

Power Reactor

Event # 22942

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: RIVER BEND                  |           | Notification Date / Time: 03/05/1992 05:25 (EST) |   |
| Unit: 1                           | Region: 4 | State : LA                                       | Event Date / Time: 03/05/1992 02:03 (CST) |
| Reactor Type: [1] GE-6            |           | Last Modification: 03/05/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: JIM BOYLE        |           | Notifications: BLAINE MURRAY RDO                 |   |
| HQ Ops Officer: THOMAS ANDREWS    |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | LEROY HIRST FEMA                                 |   |
| 10 CFR Section:                   |           | LEE SPESSARD AEOD                                |   |
| 50.72(b)(2)(ii) RPS ACTUATION     |           |  |   |
| 50.72(b)(1)(iii) TORNADO          |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

AT 0203 CST, THE PLANT EXPERIENCED A GENERATOR TRIP AND SUBSEQUENT REACTOR SCRAM FROM 100% POWER WHEN TURBINE BUILDING BLOW-OUT PANELS BLEW OFF STRIKING THE MAIN TRANSFORMER DURING SEVERE WEATHER.

ALL CONTROL RODS INSERTED ON THE REACTOR SCRAM. STEAM IS BEING DUMPED TO THE CONDENSER VIA THE BYPASS VALVES. THE REACTOR IS BEING FED USING THE FEEDWATER PUMPS. WATER LEVEL DROPPED BELOW LEVEL 3 [LEVEL 3 = 9.7 INCHES] GENERATING THE APPROPRIATE SIGNALS, HOWEVER, NO VALVE MOVEMENT ACTUALLY OCCURRED SINCE THE VALVES WERE ALREADY IN THE PROPER POSITIONS.

OFF SITE POWER WAS MAINTAINED THROUGHOUT THE EVENT. THE POWER GRID IS PRESENTLY STABLE, BUT SEVERE WEATHER IS STILL IN THE AREA. THE PLANT IS STILL UNDER A SEVERE THUNDERSTORM WARNING. THE DIESELS ARE OPERABLE IF NEEDED.

WHILE INVESTIGATING THE DAMAGE, THE LICENSEE DISCOVERED THAT HIGH WINDS, POSSIBLY A TORNADO, PASSED NEAR THE TURBINE BUILDING CAUSING THE BLOW OUT PANELS TO BLOW OFF AND STRIKE THE MAIN POWER TRANSFORMER. THE DISCONNECT BREAKER AND SOME INSULATORS WERE DAMAGED. DEBRIS WAS ALSO FOUND IN THE PARKING LOT. NO TORNADO WAS ACTUALLY OBSERVED OR REPORTED.

PLANT OPERATORS AND SECURITY PERSONNEL ARE CHECKING EXTERNAL STRUCTURES AND EQUIPMENT FOR ADDITIONAL DAMAGE. NO SECURITY BREACHES HAVE BEEN DISCOVERED OR REPORTED.

BASED UPON THE ASSESSMENT OF THE DAMAGE, THE LICENSEE CONSERVATIVELY DECLARED AN UNUSUAL EVENT AT 0350 CST. AFTER FURTHER INVESTIGATION, THE LICENSEE DETERMINED THAT NO EMERGENCY CONDITION EXISTED, THEREFORE THE UNUSUAL EVENT WAS TERMINATED AT 0423 CST.

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THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AS WELL AS LOCAL AND STATE  
OFFICIALS IN LOUISIANA AND MISSISSIPPI. A PRESS RELEASE IS POSSIBLE.

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Event # 22969

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HOPE CREEK                  |            | Notification Date / Time: 03/08/1992 19:05 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : NJ                                       | Event Date / Time: 03/08/1992 18:25 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4            |            | Last Modification: 03/08/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: HANNA            |            | Notifications: RICHARD CONTE RDO                 |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY       |            | MARTIN VIRGILIO EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | SIMMERS FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

"B" TRAIN CS AND LPCI INJECTED FOR A SHORT TIME WHILE IN COLD SHUTDOWN DUE TO PERSONNEL ERROR DURING A SURVEILLANCE.

A FALSE CHANNEL "B" LOCA SIGNAL (ONE OF 4 CHANNELS) CAUSED FULL LOCA RESPONSE FROM "B" CHANNEL ECCS WITH INJECTION TO THE VESSEL. DURING THE PERFORMANCE OF AN I & C SURVEILLANCE (RX VESSEL PRESSURE LOW PERMISSIVE (461#) SETPOINT CHECK), THE FALSE CHANNEL "B" LOCA SIGNAL WAS GENERATED WHEN A TECHNICIAN INADVERTENTLY GROUNDED THE CIRCUIT. THE "B" CORE SPRAY PUMP AND "B" LPCI PUMP INITIATED AND INJECTED TO THE VESSEL. THE UNUSUAL EVENT WAS TERMINATED AT 1829 EST ON 03/08/92. THE UNIT IS IN COLD SHUTDOWN WITH VESSEL PRESSURE AT 0 PSIG. RX VESSEL LEVEL INCREASED THIRTEEN INCHES FROM 70" TO 83" ON THE SHUTDOWN RANGE. THE INJECTION WAS SECURED BY THE OPERATORS AFTER ONLY A FEW SECONDS.

THE NATURE OF THE GROUNDING CAUSED POWER TO BE REMOVED FROM THE RX VESSEL LEVEL AND CONTAINMENT PRESSURE TRANSMITTERS IN THE RACK THAT THE TECHNICIAN WAS WORKING IN. THESE TRANSMITTERS ARE ASSOCIATED WITH THE "B" CHANNEL ECCSs ONLY. THE "B" EDG ALSO STARTED, BUT DID NOT LOAD AS A RESULT OF THE EVENT. THE "B" EDG HAS BEEN SECURED AND RETURNED TO STANDBY. IT IS UNCLEAR AT THIS TIME WHETHER HPCI AND RCIC RECEIVED START SIGNALS AS A RESULT OF THE EVENT. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR.

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Power Reactor

Event # 22977

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: ARKANSAS NUCLEAR            |            |           |            | Notification Date / Time: 03/09/1992 21:38 (EST) |            |   |
| Unit: 1                           |            | Region: 4 |            | State : AR                                       |            | Event Date / Time: 03/09/1992 20:15 (CST) |
| Reactor Type: [1] B&W-L-LP,[2] CE |            |           |            | Last Modification: 03/09/1992                    |            |   |
| Containment Type: DRY AMB         |            |           |            |  |            |   |
| NRC Notified by: GARY SANDERS     |            |           |            | Notifications: TOM STETKA                        |            | RDO                                       |
| HQ Ops Officer: MARK MILLER       |            |           |            | MARTIN VIRGILIO                                  |            | EO  |
| Emergency Class: UNUSUAL EVENT    |            |           |            | ED SIMMERS                                       |            | FEMA                                      |
| 10 CFR Section:                   |            |           |            | RAY SMITH  |            | AEOD                                      |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

UNUSUAL EVENT DECLARED DUE TO CONTAMINATED WORKER BEING TRANSPORTED OFF SITE.

AT APPROXIMATELY 1945CST, A CONTRACT WORKER, WORKING IN THE UNIT 1 REACTOR BUILDING, FELL FROM SCAFFOLDING AND SUFFERED INJURIES. THE WORKER WAS PLACED IN A BACK BRACE AND TRANSPORTED TO THE HOSPITAL. THE LICENSEE REPORTED THAT LOW LEVEL CONTAMINATION WAS PRESENT AND DECLARED AN UNUSUAL EVENT (UE) PER EAL'S AT 2015CST. THE UE WILL REMAIN IN EFFECT UNTIL THE WORKER IS STABILIZED AND SHOWN TO BE NOT CONTAMINATED.

THE RESIDENT INSPECTOR AND THE STATE HAVE BEEN NOTIFIED.

\*\*\* UPDATE AT 2153EST BY MILLER FROM SANDERS \*\*\*

THE WORKER HAS BEEN DECONTAMINATED AND WAS FOUND TO HAVE APPROXIMATELY 100 CPM IN HER HAIR. THE LICENSEE IS WAITING FOR INFORMATION ON THE WORKER'S PHYSICAL CONDITION PRIOR TO SECURING THE UE.

\*\*\* UPDATE AT 2212EST FROM SANDERS TO MILLER \*\*\*

UE TERMINATED BASED ON WORKER BEING DECONTAMINATED AND RECEIVING MEDICAL TREATMENT.

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Power Reactor

Event # 23006

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: SAN ONOFRE                       |            |           |            | Notification Date / Time: 03/13/1992 15:13 (EST) |            |   |
| Unit: 2                                |            | Region: 5 |            | State : CA                                       |            | Event Date / Time: 03/13/1992 11:20 (PST) |
| Reactor Type: [1] W-3-LP,[2] CE,[3] CE |            |           |            | Last Modification: 03/13/1992                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: PLAPPERT              |            |           |            | Notifications: JOHNSON                           |            | RDO                                       |
| HQ Ops Officer: GREG SCARFO            |            |           |            | ROSSI  |            | EO  |
| Emergency Class: UNUSUAL EVENT         |            |           |            | BAGWELL  |            | FEMA                                      |
| 10 CFR Section:                        |            |           |            | COOK(R5PAO)                                      |            | PAO                                       |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| TECH SPEC LCO A/S                      |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                      | N          | Yes       | 100        | Power Operation                                  | 80         | Power Operation                           |

AN UNUSUAL EVENT WAS DECLARED AT 1120 PST AND A TECHNICAL SPECIFICATION (T/S) REQUIRED SHUTDOWN WAS INITIATED WHEN SEVERAL VALVES IN THE HIGH PRESSURE SAFETY INJECTION (HPSI) SYSTEM AND CONTAINMENT SPRAY SYSTEM WERE DECLARED INOPERABLE. THESE SYSTEMS REMAIN FULLY OPERABLE AND CAN RESPOND TO AN EMERGENCY CONDITION.

AT 1120 PST ON 03/13/92, AN UNUSUAL EVENT WAS DECLARED AND A T/S REQUIRED SHUTDOWN WAS INITIATED WHEN MINI FLOW VALVES "HV9306", "HV9307", "HV9347", "HV9348" WERE DECLARED INOPERABLE. THESE VALVES ARE LOCATED IN TRAINS "A" & "B" OF THE COMMON HPSI/CONTAINMENT SPRAY DISCHARGE LINE TO THE REFUELING WATER STORAGE TANK (RWST). TEST RESULTS ON SIMILAR VALVES IN UNIT 3 PERFORMED PER GENERIC LETTER 89-10 INDICATED THAT THEY MAY NOT FULLY RESEAT UNDER SEVERE ACCIDENT CONDITIONS (DESIGN BASIS FLOW/PRESSURE CONDITIONS). IF THESE VALVES ARE NOT FULLY RESEATED, BACK LEAKAGE INTO THE RWST DURING THE RECIRCULATION PHASE OF AN ACCIDENT COULD BE A POTENTIAL RELEASE PATH FOR RADIOACTIVITY OUTSIDE OF CONTAINMENT. THE HPSI AND CONTAINMENT SPRAY SYSTEMS REMAIN FULLY OPERABLE AND CAN RESPOND ACCORDINGLY IN THE CASE OF AN EMERGENCY CONDITION. THE UNIT IS IN NO OTHER T/S LCOs AT THIS TIME AND ALL OTHER SAFETY SYSTEMS ARE FULLY OPERABLE.

THE LICENSEE INTENDS TO COMPLETE THE SHUTDOWN OF THE UNIT AND PERFORM TESTING ON THE AFOREMENTIONED VALVES TO VERIFY IF THE SAFETY CONCERNS ARE VALID. THE CRITERIA FOR TERMINATING THE UNUSUAL EVENT IS ENTRY INTO MODE 3 (HOT STANDBY).

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES. A PRESS RELEASE IS PLANNED.

\*\*\* UPDATE 03/13/92 1811 EST FROM:SWIFT BY:SCARFO \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1811 EST PER THE LICENSEE'S EMERGENCY COORDINATOR DUTY PROCEDURES "SO123VIII-10". THE UNIT IS CURRENTLY AT 40% POWER AND

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PROCEEDING WITH THE T/S-REQUIRED SHUTDOWN. ALL PREVIOUSLY INOPERABLE EQUIPMENT  
REMAINS INOPERABLE AT THIS TIME. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.  
R5DO(VANDENBURGH) NOTIFIED. EO(CHAFFEE) NOTIFIED. FEMA(SULLIVAN) NOTIFIED.

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Power Reactor

Event # 23014

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PERRY                       |            | Notification Date / Time: 03/15/1992 01:52 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 3  | State : OH                                       | Event Date / Time: 03/15/1992 01:43 (EST) |                 |            |                 |
| Reactor Type: [1] GE-6            |            | Last Modification: 03/16/1992                    |   |                 |            |                 |
| Containment Type: MARK III        |            |  |   |                 |            |                 |
| NRC Notified by: A. ADORNETTO     |            | Notifications: MARTIN SCHUMACHER RDO             |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            | ALFRED CHAFFEE EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(1)(iii) EARTHQUAKE       |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

DECLARED UNUSUAL EVENT AT 0143 EST DUE TO POSSIBLE EARTHQUAKE. AT THE TIME OF THE EVENT, MOTION WAS FELT IN THE CONTROL ROOM AND THE OPERATORS REPORTED WHAT SOUNDED LIKE A LOUD BOOM OR EXPLOSION. THE CLOSEST CHEMICAL PLANT IS ABOUT 8 - 10 MILES AWAY [LUBRISOL].

THE WHITE FLAG ON THE SEISMIC INSTRUMENTATION IS TRIPPED INDICATING THAT A SEISMIC EVENT HAS OCCURRED. THE LICENSEE HAS CALLED IN PERSONNEL TO EVALUATE THE INFORMATION RECORDED BY THE SEISMIC INSTRUMENTATION. THEY ARE EXPECTED TO ARRIVE BY 0220 EST. IF THE STRENGTH OF THE EARTHQUAKE IS BELOW DESIGN LIMITS, THEY PLAN ON TERMINATING THE UNUSUAL EVENT ONCE THIS DETERMINATION IS MADE.

THERE ARE NO INDICATIONS OF ANY EQUIPMENT PROBLEMS, REPORTS OF DAMAGE, OR REPORTS OF INJURIES ON-SITE. NO RADIOACTIVE RELEASE IS IN PROGRESS. THE PLANT REMAINS STABLE AT 100% POWER.

THE LICENSEE REPORTED RECEIVING CALLS FROM RESIDENTS NEAR THE SITE TO ASK IF ANYTHING HAD HAPPENED AT THE NUCLEAR PLANT. THEY REPORTED THAT THE SHERIFFS DEPARTMENT WAS RECEIVING A LARGE NUMBER OF CALLS. THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS NOT PLANNED AT THIS TIME.

HOO NOTE: HOO CALLED BEAVER VALLEY NUCLEAR PLANT AND DAVIS BESSE NUCLEAR PLANT. NOTHING WAS FELT, REPORTED, OR RECORDED ON THEIR INSTRUMENTS. HOO ALSO NOTIFIED AEOD (SMITH, WEISS, RUBIN, JORDAN), EARTHQUAKE SPECIALIST (RICHARDSON, JENG, BAGCHI).

\*\*\* UPDATE AT 0300 EST ON 03/15/92 BY ADORNETTO TAKEN BY ANDREWS \*\*\*

STATE OFFICIALS FROM OHIO INDICATED THAT THEY WERE RECEIVING CALLS ABOUT THE EARTHQUAKE BEING FELT AS FAR AWAY AS THE PENNSYLVANIA BORDER. THIS IS ABOUT 100 MILES

Power Reactor  
AWAY FROM PERRY NUCLEAR PLANT.

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THE WHITE FLAG ON THE SEISMIC INSTRUMENT IS FOR THE MOST SENSITIVE LEVEL OF THE SEISMIC INSTRUMENTATION. PERSONNEL ARE ONSITE NOW AND ARE EVALUATING THE DATA. THE PLANT REMAINS STABLE AT 99% POWER. THE NRC RESIDENT INSPECTOR IS NOW ONSITE AND IN THE CONTROL ROOM.

HOO NOTIFIED R3DO (SCHUMACHER), EO (CHAFFEE)

\*\*\* UPDATE AT 0330 EST ON 03/15/92 BY ADORNETTO TAKEN BY ANDREWS \*\*\*  
PLANT REMAINS STABLE AT 99% POWER. THE LICENSEE IS STILL EVALUATING THE DATA. THEY EXPECT THE LEVEL TO BE WELL BELOW THE DESIGN LIMITS.

\*\*\* UPDATE AT 0443 EST ON 03/15/92 BY ADORNETTO TAKEN BY ANDREWS \*\*\*  
LICENSEE TERMINATED THE UNUSUAL EVENT AT 0434 EST SINCE THERE WERE NO CONDITIONS AFFECTING PLANT OPERATIONS. THE EXACT MAGNITUDE OF THE EARTHQUAKE IS STILL BEING EVALUATED. ALL INDICATIONS ARE THAT IT IS BELOW THE ALERT LEVEL.

THE NRC RESIDENT INSPECTOR STATE AND LOCAL OFFICIALS HAVE BEEN INFORMED.

HOO NOTIFIED R3DO (SCHUMACHER), EO (CHAFFEE), FEMA (LOUZANIS).

\*\*\* UPDATE AT 0615 EST ON 03/15/92 BY ADORNETTO TAKEN BY ANDREWS \*\*\*  
THE MAGNITUDE OF THE EARTHQUAKE IS ESTIMATED TO BE ABOUT 3.5 ON THE RICHTER SCALE [PRELIMINARY ESTIMATE].

HOO NOTIFIED R3DO (SCHUMACHER), EO (CHAFFEE), AEOD (JORDAN, RUBIN, WEISS, SMITH), PUBLIC AFFAIRS (GAGNER).

\*\*\* UPDATE @ 0811 EST ON 03/16/92 FROM KEN RUSSELL TAKEN BY TOM ANDREWS \*\*\*  
THE ORIGINAL EARTHQUAKE OCCURRED AT 0114 EST ON 03/15/92. FIVE AFTERSHOCKS WERE REPORTED AT 0128, 0246, 0450, 0609, AND 0950 EST ON 03/15/92. THESE WERE OF SMALLER MAGNITUDE [MAGNITUDE NOT PROVIDED]. THIS INFORMATION WAS OBTAINED FROM THE NATIONAL EARTHQUAKE CENTER AND CONFIRMED BY THE JOHN CAROLL UNIVERSITY SESMIC OBSERVATORY. THE EPICENTER WAS LOCATED ABOUT 4 MILES NORTHWEST OF THE PLANT IN LAKE ERIE.

THE LICENSEE CALCULATED PEAK GROUND ACCELERATION AT 0.038g [OPERATING BASIS EARTHQUAKE IS 0.075g AND SAFE SHUTDOWN EARTHQUAKE IS 0.150g. THE LICENSEE NOTED THAT THEY RECEIVED THEIR ESTIMATE OF 3.5 ON THE RICHTER FROM THE NATIONAL EARTHQUAKE CENTER IN COLORADO.

HOO NOTIFIED R3DO (SCHUMACHER), EO (CHAFFEE).

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Event # 23031

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 03/17/1992 14:07 (EST) |   |                 |            |                 |
| Unit: 1                                  | Region: 1  | State : CT                                       | Event Date / Time: 03/17/1992 13:45 (EST) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 03/17/1992                    |   |                 |            |                 |
| Containment Type: MARK I                 |            |  |   |                 |            |                 |
| NRC Notified by: BASLER                  |            | Notifications: GLENN MEYER RDO                   |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE            |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | SIMMERS FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1  | N          | Yes  | 78  | Power Operation | 78         | Power Operation |

- UNUSUAL EVENT DECLARED DUE TO TECH SPEC REQUIRED PLANT SHUTDOWN -

AT 1130, LICENSEE DECLARED THE DRYWELL SPRAY ISOLATION VALVE (DSIV) INOPERABLE DUE TO IT FAILING ITS TECH SPEC SURVEILLANCE TEST.

AT 1345, LICENSEE DECLARED 1 OF 1 UNIT 1 EDG INOPERABLE DUE TO IT FAILING ITS TECH SPEC SURVEILLANCE TEST DUE TO ITS JACKET WATER HEAT EXCHANGER DIFFERENTIAL TEMPERATURE READINGS BEING IN EXCESS OF TECH SPEC LIMITS.

TECH SPEC LCO A/S 3.5.F.2 REQUIRES LICENSEE TO RESTORE THE UNIT 1 EDG TO OPERABLE STATUS WITHIN 7 DAYS OR TO PLACE UNIT 1 IN AT LEAST COLD SHUTDOWN CONDITION WITHIN THE FOLLOWING 24 HOURS.

TECH SPEC LCO A/S 3.5.F.4 REQUIRES LICENSEE TO PLACE UNIT 1 IN AT LEAST COLD SHUTDOWN CONDITION WITHIN 24 HOURS WITH BOTH THE DSIV AND THE UNIT 1 EDG INOPERABLE.

LICENSEE IS REPAIRING BOTH THE DSIV AND THE UNIT 1 EDG AND HOPES TO DECLARE ONE OR BOTH OPERABLE PRIOR TO PLANT SHUTDOWN.

AT 1355, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE @ 2058 BY SHOLLER ENTERED BY HOO JOLLIFFE \*\*\*

AT 1950, LICENSEE REPAIRED THE DSIV, RETESTED IT SATISFACTORILY, AND DECLARED IT OPERABLE.

AT 2015, LICENSEE EXITED TECH SPEC LCO A/S 3.5.F.4 AND TERMINATED THE UNUSUAL EVENT.

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POWER REMAINED AT 78% THROUGHOUT THIS EVENT.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL INFORM THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R1DO MEYER, NRR EO LAINAS, AND FEMA DAMICO.

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Power Reactor

Event # 23047

|  |           |  |   |
|--|-----------|--|---|
| Site: SEQUOYAH                         |           | Notification Date / Time: 03/18/1992 22:49 (EST) |   |
| Unit: 1                                | Region: 2 | State : TN                                       | Event Date / Time: 03/18/1992 22:10 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 03/20/1992                    |   |
| Containment Type: ICE COND             |           |  |   |
| NRC Notified by: HILL                  |           | Notifications: EDWARD MCALPINE RDO               |   |
| HQ Ops Officer: DICK JOLLIFFE          |           | GUS LAINAS EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | SHULL FEMA                                       |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 83         | Power Operation |

-UE DECLARED & PLANT SHUTDOWN TO REPAIR STICKING ICE CONDENSER INLET DOORS-

LICENSEE HAS DECIDED TO SHUT UNIT 1 DOWN PER TECH SPEC LCO A/S 3.6.5.3  
TO REPAIR 11 STICKING ICE CONDENSER INLET DOORS.

AT 2210, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT  
SHUTDOWN. IF REPAIRS CANNOT BE COMPLETED WHILE IN MODE 3, LICENSEE PLANS TO CONTINUE  
DOWN TO MODE 5 TO COMPLETE REPAIRS.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

NOTE: SEE EVENTS #23034 AND #23046 FOR RELATED EVENTS.

\*\*\* UPDATE AT 0350EST ON 3/20/92 FROM VARNER TO MILLER \*\*\*

THE LICENSEE TERMINATED THE UE AT 0205EST WHEN THE UNIT ENTERED MODE 5. REPAIRS ARE  
CONTINUING TO THE ICE CONDENSER DOORS. STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.  
THE RESIDENT INSPECTOR WILL BE NOTIFIED.

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Power Reactor

Event # 23048

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CALVERT CLIFFS              |           | Notification Date / Time: 03/19/1992 05:35 (EST) |   |
| Unit: 1 2                         | Region: 1 | State : MD                                       | Event Date / Time: 03/19/1992 05:25 (EST) |
| Reactor Type: [1] CE,[2] CE       |           | Last Modification: 03/19/1992                    |   |
| Containment Type: DRY AMB DRY AMB |           |  |   |
| NRC Notified by: DICK DENTEN      |           | Notifications: GLENN MEYER RDO                   |   |
| HQ Ops Officer: MARK MILLER       |           | GUS LAINAS EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

SHUTDOWN OF BOTH UNITS AND UNUSUAL EVENT (UE) DECLARED DUE TO EMERGENCY DIESEL GENERATOR (EDG) INOPERABILITY.

AN UNUSUAL EVENT WAS DECLARED AT 0525EST WHEN THE EDG'S FOR UNITS 1 AND 2 WERE DECLARED INOPERABLE AND SHUTDOWNS WERE COMMENCED ON BOTH UNITS. THE LICENSEE MADE THE DECLARATION FOLLOWING THE RESULTS OF A DESIGN REVIEW WHICH SHOWED THAT, DURING A SMALL BREAK LOCA CONCURRENT WITH A LOSS OF OFFSITE POWER, A POTENTIAL EXISTS FOR TWO LOADS TO SEQUENCE ON AN EDG SIMULTANEOUSLY, THUS DEGRADING EMERGENCY BUS VOLTAGE. THE DEGRADED VOLTAGE CONDITION COULD RENDER ECCS COMPONENTS INOPERABLE.

THE LICENSEE IS PERFORMING THE SHUTDOWN UNDER TECHNICAL SPECIFICATION 3.8.1.1.E WHICH REQUIRES THAT AN EDG BE RETURNED TO SERVICE WITHIN 2 HOURS OR THE UNIT BE IN HOT STANDBY WITHIN 6 HOURS. THE LICENSEE HAS STATED THAT THE UE WILL TERMINATED WHEN THE UNITS ENTER MODE 5. THE RESIDENT INSPECTOR AND STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED.

\*\*\* UPDATE AT 0252EST ON 3/20/92 FROM GROOMS TO MILLER \*\*\*

THE UE WAS TERMINATED AT 0245EST ON 3/20/92. BOTH UNITS WERE SHUT DOWN ON 3/19/92, HOWEVER THE UE WAS MAINTAINED UNTIL TEMPORARY MODIFICATIONS WERE IN PLACE WHICH DEFEATED THE AUTOMATIC START OF CONTAINMENT SPRAY (CS). THE UNITS ARE IN MODE 4 AND CS CAN BE INITIATED MANUALLY.

A POSTULATED AUTOMATIC START OF CS IN COMBINATION WITH ANOTHER EDG LOAD DURING A LOCA WITH LOSS OF OFFSITE POWER LED TO THE UNIT SHUTDOWNS. THE SOURCE OF CONCERN WAS THAT THE EDG SEQUENCER PROVIDES A CS PERMISSIVE SIGNAL RATHER THAN AN AUTOMATIC START SIGNAL. IF A VALID CS SIGNAL EXISTS WHEN THE SEQUENCER STEPS THROUGH THE CS ACTUATION POINT, CS PUMPS WILL START. HOWEVER, IF A VALID CS SIGNAL DOES NOT EXIST, THE PUMPS WILL REMAIN IDLE UNTIL CONTAINMENT PRESSURE REACHES THE ACTUATION SETPOINT.

Power Reactor

Event # 23048

SHOULD THIS OCCUR WHILE THE SEQUENCER IS STARTING OTHER ESF LOADS, THE CONCURRENT STARTS COULD RESULT IN DEGRADED BUS VOLTAGE AND A CHALLENGE TO THE OPERABILITY OF MOTORS FED FROM THE EDG BUS.

STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED THAT THE UE IS TERMINATED. THE RESIDENT INSPECTOR WILL BE NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23070

|  |           |  |   |
|--|-----------|--|---|
| Site: MILLSTONE                          |           | Notification Date / Time: 03/22/1992 10:11 (EST) |   |
| Unit: 1                                  | Region: 1 | State : CT                                       | Event Date / Time: 03/22/1992 09:20 (EST) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |           | Last Modification: 04/20/1992                    |   |
| Containment Type: MARK I                 |           |  |   |
| NRC Notified by: NATHAN JAYCOX           |           | Notifications: GLENN MEYER                       | RDO                                       |
| HQ Ops Officer: WILLIAM HUFFMAN          |           | GUS LAINAS                                       | EO  |
| Emergency Class: UNUSUAL EVENT           |           | LEROY HIRST                                      | FEMA                                      |
| 10 CFR Section:                          |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |           |  |   |
| TECH SPEC LCO A/S                        |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 3          | Startup         | 0          | Hot Shutdown    |

INOPERABLE CONTROL ROD IDENTIFIED WHILE SHUTTING DOWN.

IN THE PROCESS OF A CONTROLLED SHUT DOWN TO REPAIR A STEAM LEAK, THE LICENSEE ENCOUNTERED A CONTROL ROD WHICH WILL NOT INSERT PAST NOTCH 12. THE CONTROL ROD IS AT POSITION 30-23 AND HAD BEEN MOVED INTO THE CORE FROM NOTCH 48 UNTIL IT FAILED TO FURTHER INSERT AFTER REACHING NOTCH 12. I&C PERSONNEL ARE CURRENTLY EVALUATING THE CONTROL CIRCUITRY, HOWEVER, THE LICENSEE IS TREATING IT AS AN INOPERABLE ROD. THIS CONDITION REQUIRES A PLANT SHUTDOWN (WHICH WAS ALREADY IN PROGRESS FOR OTHER REASONS) PER TECH SPEC 3.3.F. LICENSEE EMERGENCY CLASSIFICATION GUIDELINES REQUIRES DECLARATION OF AN UE WHEN A TECH SPEC SHUTDOWN CONDITION IS ENTERED.

THE SHUTDOWN ROD INSERTION SEQUENCE IS STILL IN PROGRESS WITH MORE THAN 50% OF THE RODS ALREADY FULLY INSERTED INTO THE CORE. THE REACTOR IS SUB-CRITICAL ON IRM RANGE 1. ENGINEERING IS PERFORMING A SHUTDOWN MARGIN CALCULATION TO CONFIRM THAT REQUIRED SHUTDOWN MARGIN IS AVAILABLE UNDER ALL CONDITIONS WITH THE ROD STUCK AT ITS CURRENT POSITION. LICENSEE HAS NOT YET INTRODUCED A SCRAM SIGNAL TO DETERMINE IF THE ROD IS TRIPPABLE. LICENSEE IS HOPING TO AVOID SCRAMMING THE ROD AND POTENTIALLY AGGRAVATING THE PROBLEM IF THE ROD IS EXPERIENCING MECHANICAL BINDING. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. THE RESIDENT WILL BE INFORMED.

HOO NOTE: LICENSEE COMMENCED A CONTROLLED SHUTDOWN AT APPROXIMATELY 0500EST DUE TO A STEAM LINE LEAK IN THE TURBINE HALL HEATER BAY. THE EXACT NATURE OF THE STEAM LEAK HAS NOT YET BEEN ASSESSED BECAUSE OF THE RESTRICTED NATURE OF THE LOCATION. THE CONTROLLED SHUTDOWN FOR REPAIR OF THE STEAM LEAK WAS NOT A REPORTED EVENT.

\*\*\*UPDATE AT 21:49 BY HOAGLAND TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 21:20 WHEN THE CONTROL ROD WAS MADE OPERABLE AND MOVED TO THE 0-0 POSITION. THE PROBLEM WAS A

Power Reactor

Event # 23070

FAULTY DIRECTION CONTROL BLOCK. THE RI WAS INFORMED. REG 1 MEYER, FEMA STINEDURF & EOLAINAS NOTIFIED.

\*\*\* UPDATE DATE :04/20/92 UPDATE TIME:0946 \*\*\*FROM LICENSEE:SEARLE BY McGINTY \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT BASED ON THE DETERMINATION THAT IT WAS NOT REPORTABLE. WHEN THE CONTROL ROD WAS DECLARED TO BE INOPERABLE, IT WOULD HAVE BEEN PERMITTED TO BE INOP BY TECH SPECS PROVIDED THERE WAS NOT ANOTHER INOPERABLE ROD WITHIN A 3X3 ARRAY OF THAT ROD, AND THAT THERE IS ADEQUATE SHUTDOWN MARGIN (IN ADDITION TO SOME OTHER REQUIREMENTS THAT WERE MET). THE SHUTDOWN MARGIN THAT WAS CALCULATED AT THE TIME OF THE EVENT WAS A "ROUGH" CALCULATION BASED ON LIMITED RESOURCES AVAILABLE AT THE TIME. ALTHOUGH THE SHUTDOWN MARGIN CALCULATED AT THE TIME WAS ACCEPTABLE, IT WAS MARGINAL, AND THE LICENSEE MADE A CONSERVATIVE DECISION TO DECLARE THE UNUSUAL EVENT BASED ON A TS REQUIRED SHUTDOWN. SUBSEQUENT, MORE DETAILED, CALCULATIONS HAVE SHOWN THAT ADEQUATE SHUTDOWN MARGIN EXISTED IN THIS SITUATION, AND THUS THE LICENSEE IS RETRACTING THIS EVENT. THE PROBLEM WITH THE ROD WAS A FAILED DIRECTIONAL CONTROL SOLENOID WHICH AFFECTED NORMAL ROD MOVEMENT, BUT WOULD NOT HAVE AFFECTED THE RODS AVAILABILITY TO INSERT DUE TO A SCRAM SIGNAL. WHEN THE DIRECTIONAL CONTROL SOLENOID WAS REPLACED, THE ROD WAS FULLY INSERTED VIA NORMAL ROD MOVEMENT. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. HOO NOTIFIED THE R1DO (HAVERKAMP).

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Power Reactor

Event # 23076

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: DIABLO CANYON                    |            |           |            | Notification Date / Time: 03/23/1992 01:11 (EST) |            |   |
| Unit: 2                                |            | Region: 5 |            | State : CA                                       |            | Event Date / Time: 03/22/1992 21:43 (PST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            |           |            | Last Modification: 03/23/1992                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: DAVID PATTY           |            |           |            | Notifications: KENNETH PERKINS                   |            | RDO                                       |
| HQ Ops Officer: WILLIAM HUFFMAN        |            |           |            | GUS LAINAS                                       |            | EO  |
| Emergency Class: UNUSUAL EVENT         |            |           |            | GARY BELCHER                                     |            | FEMA                                      |
| 10 CFR Section:                        |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                      | N          | Yes       | 92         | Power Operation                                  | 92         | Power Operation                           |

REACTOR SHUTDOWN IN PROGRESS DUE TO APPARENT TURBINE STOP VALVE FAILURE.

LICENSEE INVESTIGATION INTO AN UNEXPLAINED POWER FLUCTUATION HAS CONCLUDED THAT TURBINE STOP VALVE FCV-144 MAY HAVE FAILED PARTIALLY CLOSED. EXTERNAL INDICATIONS OF THE VALVE APPEAR NORMAL. HOWEVER, OTHER INDICATIONS SUCH AS SOUND, PRESSURE DROP, AND DOWNSTREAM TEMPERATURE WOULD INDICATE THAT EITHER THE VALVE DISK IS PARTIALLY CLOSED OR SOME OBSTRUCTION EXISTS IN THE VALVE.

THE VALVE WAS DECLARED INOPERABLE AND THE LICENSEE COMMENCED A NORMAL PLANT SHUTDOWN AS REQUIRED PER TECH SPEC 3.3.4.1 (TURBINE OVERSPEED PROTECTION). THE UNUSUAL EVENT WAS DECLARED BASED ON A TECH SPEC REQUIRED SHUTDOWN. TERMINATION OF THE UE WILL BE UPON CLOSURE OF THE MAIN STEAM ISOLATION VALVES.

STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED AND A PRESS RELEASE IS ANTICIPATED. THE NRC RESIDENT INSPECTOR WILL BE INFORMED.

\*\*\*UPDATE FROM LICENSEE:PATTY TO NRC:HUFFMAN AT 04:39EST, 3/23/92\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 01:28 PST WHEN TURBINE WAS ISOLATED FROM MAIN STEAM SUPPLY BY CLOSURE OF MAIN STEAM ISOLATION VALVES. NRC RESIDENT INSPECTOR WILL BE NOTIFIED. R5DO(PERKINS), EO(LAINAS), AND FEMA(SIMMONS) HAVE BEEN INFORMED. NRC RESIDENT WILL BE NOTIFIED.

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Power Reactor

Event # 23091

|  |           |  |   |
|--|-----------|--|---|
| Site: WATERFORD                        |           | Notification Date / Time: 03/25/1992 04:31 (EST) |   |
| Unit: 3                                | Region: 4 | State : LA                                       | Event Date / Time: 03/25/1992 02:48 (CST) |
| Reactor Type: [3] CE                   |           | Last Modification: 03/25/1992                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: HALL                  |           | Notifications: JOHN PELLET RDO                   |   |
| HQ Ops Officer: DICK JOLLIFFE          |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT         |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 92         | Power Operation |

- UE DECLARED DUE TO TS REQD PLANT SHUTDOWN DUE TO 13 GPM RCS LEAK @ 100% -

LICENSEE DISCOVERED Rx COOLANT SYSTEM LEAK OF 13 GPM FROM #1B Rx COOLANT PUMP SHAFT SEAL PACKAGE WHEN CONTAINMENT RAD LEVELS AND CONTAINMENT SUMP LEVELS BEGAN INCREASING.

AT 0028 (CST), LICENSEE ENTERED TECH SPEC LCO A/S 3.4.5.2 WHICH REQUIRES THE LICENSEE TO REDUCE THE Rx COOLANT SYSTEM LEAK TO BELOW THE TECH SPEC IDENTIFIED LEAKAGE OF 10 GPM WITHIN 4 HOURS OR TO PLACE UNIT 3 IN AT LEAST HOT SHUTDOWN MODE WITHIN THE FOLLOWING 6 HOURS.

LICENSEE BEGAN SHUTTING UNIT 3 DOWN FROM 100% POWER AND WAS AT 92% POWER AND DECREASING AT THE TIME OF THE NOTIFICATION TO THE OPERATIONS CENTER. LICENSEE EXPECTS TO BE IN MODE 3 (HOT SHUTDOWN) BY 0700 (CST).

AT 0248 (CST), LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN. LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE @ 1435 BY MIKE MASON TAKEN BY TOM ANDREWS \*\*\*

AT 0545 (CST), UNIT 3 ENTERED MODE 3 (HOT STANDBY); RCS LEAK RATE IS 9.44 GPM. AT 1254 (CST), LICENSEE TERMINATED THE UNUSUAL EVENT WHEN LEAKAGE WAS IDENTIFIED AS COMING FROM VALVE #RC-104, THE #1 HOT LEG SAMPLE LINE AIR OPERATED ISOLATION VALVE. LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R4DO PELLET, NRR EO CHAFFEE, AND FEMA SULLIVAN.

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Event # 23091

\*\*\* UPDATE @ 1900 BY TOM DIXON TAKEN BY TOM ANDREWS \*\*\*

AT 1730 (CST), LICENSEE ISSUED A PRESS RELEASE REGARDING THE UNUSUAL EVENT. LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R4DO PELLET AND HQPAO FOUCHARD.

\*\*\*\*\*

Power Reactor

Event # 23118

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PALISADES                   |            | Notification Date / Time: 03/27/1992 22:49 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 3  | State : MI                                       | Event Date / Time: 03/27/1992 22:34 (EST) |                 |            |                 |
| Reactor Type: [1] CE              |            | Last Modification: 03/29/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: TOM STEFFLER     |            | Notifications: JOHN JACOBSON RDO                 |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            | BRUCE BOGER EO                                   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | DAN SULLIVAN FEMA                                |   |                 |            |                 |
| 10 CFR Section:                   |            | RAY SMITH IRB                                    |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(iii)(B) POT RHR INOP  |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO LOSS OF SHUTDOWN COOLING FOR 5 MINUTES.

AT 2234 EST ON 03/27/92, ELECTRICIANS WERE TESTING THE START UP POWER BREAKER ON THE "1C" BUS. THEY HAD BEEN GIVEN PERMISSION TO PUT THE BREAKER IN THE TEST POSITION (RACKED OUT WITH CONTROL POWER TABS ENGAGED). AFTER THEIR TEST, THEY PUT THE BREAKER IN THE CLOSED POSITION. THEY WERE NOT GRANTED PERMISSION TO TAKE THIS STEP.

BY PUTTING THIS BREAKER IN THE CLOSED POSITION, BUS "1C" TRIPPED, AS THE NORMAL SUPPLY BREAKER, SENSING A FAST TRANSFER FROM THE CLOSURE OF THE BREAKER UNDER TEST, OPENED. THIS RESULTED IN LOSS OF POWER TO THE LOW PRESSURE SAFETY INJECTION PUMP THAT WAS BEING USED FOR SHUTDOWN COOLING.

BOTH DIESEL GENERATORS AUTO-STARTED, AS DESIGNED. DIESEL GENERATOR "1-1" DID NOT SEQUENCE ONTO THE "1C" BUS BECAUSE THE START UP BREAKER THAT WAS CLOSED AFFECTED THE PERMISSIVE LOGIC TO TIE THE GENERATOR ONTO THE BUS. THE "1-1" DIESEL WAS MANUALLY SEQUENCED ONTO THE BUS. THE NORMAL POWER TO THE BUS HAS BEEN RESTORED AND THE DIESELS HAVE BEEN SHUT DOWN. THE "1-2" DIESEL DID NOT SEQUENCE ONTO THE BUS SINCE THE 1-D BUS WAS NOT DE-ENERGIZED.

SHUTDOWN COOLING WAS RESTORED AT 2239 EST. THE UNUSUAL EVENT WAS DECLARED AND TERMINATED AT 2241 EST.

AT THE TIME OF THE EVENT, THE REACTOR WAS IN REFUELING SHUTDOWN, WITH THE HEAD FULLY TENSIONED. THE INITIAL REACTOR COOLANT SYSTEM TEMPERATURE MEASURED BY THE CORE EXIT THERMOCOUPLES WAS 89 DEGREES F. THE PEAK TEMPERATURE DURING THE EVENT WAS 93 DEGREES F MEASURED BY THE CORE EXIT THERMOCOUPLES. THE REACTOR HAS BEEN SHUT DOWN SINCE FEBRUARY 6 FOR A REFUELING OUTAGE.

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Event # 23118

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED AS WELL AS STATE AND LOCAL OFFICIALS.

\*\*\* UPDATE AT 0418 EST ON 3/29/92 FROM STEFFLER TO MILLER \*\*\*

THE LICENSEE REPORTS THAT, UPON REVIEW OF THIS EVENT, AN ESF ACTUATION OCCURRED IN THAT BOTH EDG'S STARTED AS A RESULT OF THE BUS DEENERGIZATION. R3DO (JACOBSON) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23143

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PALISADES                   |           | Notification Date / Time: 04/01/1992 06:28 (EST) |   |
| Unit: 1                           | Region: 3 | State : MI                                       | Event Date / Time: 04/01/1992 06:00 (EST) |
| Reactor Type: [1] CE              |           | Last Modification: 04/01/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: BAUSTIAN         |           | Notifications: MCCORMICK-BARGER RDO              |   |
| HQ Ops Officer: GREG SCARFO       |           | CECIL THOMAS EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

AN NOUE WAS DECLARED AND TERMINATED AT 0600 EST WHEN AN RCS LETDOWN ISOLATION CAUSED RCS PRESSURE TO REACH 90% OF DESIGN PRESSURE DURING COLD SHUTDOWN MAINTENANCE.

AN NOUE WAS DECLARED AND TERMINATED AT 0600 EST DUE TO THE FOLLOWING EVENT. AT 0531 EST WHILE DE-ENERGIZING LOAD CENTERS "11" & "19" IN PREPARATION FOR MAINTENANCE ON SAFEGUARDS BUS "C", INSTRUMENT AC BUS "Y01" TRANSFERRED FROM MOTOR CONTROL CENTER "MCC-1" TO "MCC-2" AS EXPECTED. DURING THE TRANSFER, TEMPERATURE CONTROLLER "TIC-0201" IN THE LETDOWN CONTROL SYSTEM SENSED AN UNDERVOLTAGE CONDITION AND FAILED HIGH. THIS RESULTED IN AN RCS LETDOWN ISOLATION. CONCURRENTLY, FILLING AND VENTING PROCEDURE "SOP-1" WAS BEING PERFORMED WITH ONE CHARGING PUMP IN OPERATION. THE RCS WAS COMPLETELY FILLED (SOLID). WHEN THE LETDOWN ISOLATION OCCURRED, RCS PRESSURE INCREASED TO 327 PSIG AT 80 DEGREES F (DESIGN PRESSURE IS 360 PSIG). A PORV LIFTED FOR APPROXIMATELY 2 SECONDS TO RELIEVE THE OVERPRESSURE CONDITION AND THEN RESEATED PROPERLY. AFTER ABOUT ONE MINUTE, AN OPERATOR TOOK MANUAL CONTROL OF LETDOWN ISOLATION VALVE "CV2001" AND RE-ESTABLISHED RCS LETDOWN FLOW TO REDUCE RCS PRESSURE TO NOMINAL VALUE OF 151 PSIG.

WHEN POWER WAS RE-ESTABLISHED TO "Y01" AT THE COMPLETION OF THE BUS TRANSFER, THE TEMPERATURE CONTROLLER RESUMED IT NORMAL OPERATION. THE LETDOWN ISOLATION WAS "SEALED-IN" BY THE LETDOWN CONTROL SYSTEM AND ONLY MANUAL OPERATION OF THE LETDOWN ISOLATION VALVE WAS ALLOWED. THE LETDOWN CONTROL SYSTEM HAS BEEN RESET AND NORMAL LETDOWN CONTROL HAS BEEN RE- ESTABLISHED. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 23194

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FERMI                       |           | Notification Date / Time: 04/07/1992 17:29 (EDT) |   |
| Unit: 2                           | Region: 3 | State : MI                                       | Event Date / Time: 04/07/1992 17:04 (EDT) |
| Reactor Type: [2] GE-4            |           | Last Modification: 04/08/1992                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: MEATH            |           | Notifications: JOHN GROBE RDO                    |   |
| HQ Ops Officer: TIM McGINTY       |           | GARY HOLAHAN EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | HERST FEMA                                       |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 95         | Power Operation |

# DRYWELL TO TORUS VACUUM BREAKER STUCK OPEN FOLLOWING OPERABILITY TEST.

DURING THE PERFORMANCE OF THE DRYWELL AND SUPPRESSION CHAMBER VACUUM BREAKER OPERABILITY TEST, A VACUUM BREAKER REMAINED OPEN. VACUUM BREAKER T-23-F400K STROKED OPEN FOR THE TEST AND INDICATED THAT IT STUCK OPEN. THERE ARE THREE LIMIT SWITCHES WHICH INDICATE THE POSITION, AND BOTH CLOSED INDICATIONS WERE LOST AND THE OPEN INDICATION IS ILLUMINATED. TS LCO 3.6.4.1.b WAS ENTERED AT 1105 EDT, WHICH REQUIRES CLOSING THE VACUUM BREAKER WITHIN 2 HOURS. AT 1305 EDT, THE VACUUM BREAKER WAS STILL OPEN, WHICH PUT THE PLANT IN THE 12 HOURS TO HOT SHUTDOWN AND COLD SHUTDOWN IN THE SUBSEQUENT 24 HOURS PORTION OF THE LCO. A CONTROLLED PLANT SHUTDOWN WAS INITIATED AT 1704 EDT, WHICH PUT THE PLANT IN AN UNUSUAL EVENT DUE TO A SHUTDOWN REQUIRED BY TECH SPECS.

THE PROBLEM APPEARS TO BE EITHER THAT THE VACUUM BREAKER IS STUCK OPEN OR THAT THE NITROGEN PRESSURE USED TO STROKE IT OPEN REMAINS LOCKED IN (POSSIBLY DUE TO A DEFECTIVE 3-WAY SOLENOID VALVE). THE PLANT OSRO (ON SITE REVIEW COMMITTEE) IS CURRENTLY INVESTIGATING AN ALTERNATE MEANS OF BLEEDING OFF THE NITROGEN PRESSURE. ALL ECCSs ARE AVAILABLE WITH THE EXCEPTION OF DIV 2 RHR, WHICH WAS REMOVED FROM SERVICE FOR PLANNED MAINTENANCE AND IS CURRENTLY BEING RESTORED. THE LICENSEE INFORMED THE RESIDENT INSPECTOR, THE MICHIGAN STATE POLICE AND WAYNE & MONROE COUNTY AUTHORITIES.

\*\*\* UPDATE 04/08/92 0957EDT FROM:KIEL BY:KARSCH \*\*\*

THE UNIT IS ENTERING MODE 3 (HOT SHUTDOWN) AND INITIATING SHUTDOWN COOLING. THE LICENSEE PLANS TO ENTER COLD SHUTDOWN BY 1300EDT. EFFORTS ARE UNDERWAY TO ENTER THE DRYWELL AND REPAIR THE DRYWELL/TORUS VACUUM BREAKER. R3DO (GROBE) NOTIFIED.

\*\*\* UPDATE 04/08/92 1330EDT FROM:KIEL BY:SCARFO \*\*\*

Power Reactor

Event # 23194

THE LICENSEE ENTERED MODE 4 (COLD SHUTDOWN) AND TERMINATED THE NOUE. PREPARATIONS ARE BEING MADE TO ENTER THE TORUS, INSPECT THE VACUUM BREAKER, AND INITIATE CORRECTIVE ACTIONS. THE INSPECTION OF THE VACUUM BREAKER IS TO DETERMINE WHETHER THE BREAKER IS ACTUALLY STUCK OPEN OR INDICATING OPEN. THE LICENSEE PLANS TO RESTART BY 04/09/92. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R3DO(GROBE), EO(ROSSI), FEMA (LOUZONIS) NOTIFIED. STATE OF MICHIGAN, WAYNE COUNTY, MONROE COUNTY AND ONTARIO (CANADA) NOTIFIED.

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Power Reactor

Event # 23204

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: DRESDEN                            |            | Notification Date / Time: 04/09/1992 03:08 (EDT) |   |                 |            |                 |
| Unit: 3                                  | Region: 3  | State: IL  | Event Date / Time: 04/09/1992 01:30 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |            | Last Modification: 04/09/1992                    |   |                 |            |                 |
| Containment Type: MARK I                 |            |  |   |                 |            |                 |
| NRC Notified by: HUSSEIN ATA             |            | Notifications: JOHN GROBE RDO                    |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH              |            | GARY HOLAHAN EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | STEINDURF FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3  | N          | Yes  | 10  | Startup         | 0          | Startup         |

UNUSUAL EVENT DECLARED DUE TO A TECH SPEC REQUIRED SHUTDOWN.

WHILE PERFORMING HIGH PRESSURE CORE INJECTION (HPCI) OVERSPEED TEST "DOS 2300-2", A SEVERE OIL LEAK DEVELOPED WHICH REQUIRED TERMINATION OF THE TEST. THE LEAK WAS SEVERAL GALLONS OF LUBE OIL FROM ONE OF THE TURBINE BEARINGS. THE LICENSEE DETERMINED THAT IT WOULD TAKE APPROXIMATELY 36 HOURS TO REPAIR THE OIL LEAK. THIS EXCEEDS THE THE 12 HOUR REQUIREMENT FOR COMPLETION OF HPCI TESTING DURING STARTUP PER TECH SPEC 3.5.C.2.b. A REACTOR SHUTDOWN WAS INITIATED PER TECH SPEC 3.5.C.3, WHICH REQUIRES REACTOR SHUTDOWN AND DEPRESSURIZATION TO LESS THAN 150 PSI WITHIN 24 HOURS IF THE TESTING REQUIREMENT CANNOT BE MET.

AN UNUSUAL EVENT WAS DECLARED BASED ON EMERGENCY ACTION LEVEL 3.A, TECH SPEC REQUIRED SHUTDOWN. IN ADDITION, DUE TO CONCERNS BY THE LICENSEE'S QUALIFIED NUCLEAR ENGINEER REGARDING OPERATION OF THE REACTOR AT LESS THAN 150 PSI, IT WAS DECIDED TO CONTINUE WITH THE SHUTDOWN UNTIL ALL CONTROL RODS WERE FULLY INSERTED, AND THE MODE SWITCH PLACED IN REFUEL.

THE LICENSEE IS NOW INSERTING CONTROL RODS. REACTOR PRESSURE IS 315 PSI. THEY EXPECT REACTOR PRESSURE TO BE LOWER THAN 150 PSI WITHIN ONE HOUR, AT WHICH TIME THEY WILL EXIT THE UNUSUAL EVENT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE STATE OF ILLINOIS.

\*\*\* UPDATE AT 0540 EDT FROM ATA TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 0430 CDT. EO (HOLAHAN), R3DO (GROBE) AND FEMA (STEINDURF) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23209

|                                     |                    |  |   |
|-------------------------------------|--------------------|--|---|
| Site: COOK                          |                    | Notification Date / Time: 04/09/1992 17:29 (EDT) |   |
| Unit: 2                             | Region: 3          | State : MI                                       | Event Date / Time: 04/09/1992 17:10 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                    | Last Modification: 04/11/1992                    |   |
| Containment Type: ICE COND          |                    |  |   |
| NRC Notified by: NED WALLENLEGAL    |                    | Notifications: JIM MCCORMICKBARGER RDO           |   |
| HQ Ops Officer: THOMAS ANDREWS      |                    |  |   |
| Emergency Class: UNUSUAL EVENT      |                    | CHARLES BAGWELL                                  | FEMA                                      |
| 10 CFR Section:                     |                    | ERIC WEISS                                       | IRB                                       |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED | LEE SPESSARD                                     | AEOD                                      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

THE 'A' DIESEL GENERATOR INVERTER (WHICH PROVIDES FIELD FLASHING AND GOVERNOR CONTROL) FAILED WITH THE 'B' DIESEL GENERATOR TAGGED OUT FOR MAINTENANCE. THIS EFFECTIVELY RENDERS BOTH DIESELS FOR UNIT 2 INOPERABLE.

THE BASIS FOR TERMINATING THE UNUSUAL EVENT IS REPAIR OF THE 'A' DIESEL GENERATOR INVERTER.

THE LICENSEE REPORTED THAT THEY SMELLED SMOKE COMING FROM THE 'A' DIESEL GENERATOR INVERTER CABINET. A FIRE WATCH HAS BEEN ESTABLISHED TO MONITOR THE CABINET AND THE CABINET HAS BEEN DE-ENERGIZED.

THE CORE IS OFF-LOADED TO THE SPENT FUEL POOL. THE SPENT FUEL POOL IS BEING COOLED FROM UNIT 1. UNIT 1 IS AT 100% POWER WITH ALL SYSTEMS NORMAL. ALL POWER SUPPLIES ARE AVAILABLE TO UNIT 1. ONLY THE RESERVE FEED LINE IS AVAILABLE TO TRAIN 'A' ON UNIT 2.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS NOT ANTICIPATED AT THIS TIME.

\*\*\* UPDATE AT 2157EDT ON 4/9/92 FROM BLYTH TO MILLER \*\*\*

AFTER CONSULTING WITH A WOODWARD GOVERNOR TECHNICAL REPRESENTATIVE, THE LICENSEE ESTIMATES THAT THE 'A' DIESEL GENERATOR INVERTER REPAIR WILL BE COMPLETED DURING THE EVENING OF 4/10/92. THE FAILURE HAS BEEN IDENTIFIED AS A TRANSFORMER IN THE GOVERNOR CONTROL MODULE, ELECTRICALLY DOWNSTREAM OF THE INVERTER.

\*\*\* UPDATE 04/11/92 0448EDT FROM:BLYTH BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0438EDT WHEN EDG "2CD" (REFERRED TO AS THE 'A' EDG ABOVE) WAS RETURNED TO SERVICE AFTER A POWER SUPPLY TO A WOODWARD GOVERNOR (WHICH CAUSED THE GOVERNOR INVERTER TO FAIL) WAS REPAIRED. THE LICENSEE WILL INFORM THE NRC

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Power Reactor

Event # 23209

RESIDENT INSPECTOR. THE LICENSEE HAS ISSUED A PRESS RELEASE. THE LICENSEE HAS NOTIFIED THE STATE OF MICHIGAN AND THE SHERIFF OF BERRIEN COUNTY. R3DO(GROBE), EO(HOLAHAN), FEMA(AUSTIN), R3PAO (STRASMA) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23228

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: ROBINSON                    |           | Notification Date / Time: 04/13/1992 14:12 (EDT) |   |
| Unit: 2                           | Region: 2 | State : SC                                       | Event Date / Time: 04/13/1992 13:43 (EDT) |
| Reactor Type: [2] W-3-LP          |           | Last Modification: 04/13/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: RICK DAYTON      |           | Notifications: GEORGE AL BELISLE RDO             |   |
| HQ Ops Officer: WILLIAM HUFFMAN   |           | ERNIE ROSSI EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | WITSBERGER FEMA                                  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

BOTH EMERGENCY DIESEL GENERATORS (EDG's) OUT OF SERVICE.

LICENSEE DECLARED AN UNUSUAL EVENT WHEN BOTH EMERGENCY DIESEL GENERATORS WERE DECLARED INOPERABLE. THE "A" EDG WAS ALREADY OUT OF SERVICE AT THE TIME FOR ROUTINE MAINTENANCE. THE "B" EDG WAS DECLARED INOPERABLE WHEN A SMALL FUEL OIL LEAK WAS DISCOVERED ON A PIPE FITTING.

THE REACTOR IS IN COLD SHUTDOWN WITH RCS AT 115 F BUT NOT OPEN (ONLY VENTED). NORMAL OFFSITE POWER IS FULLY AVAILABLE. LICENSEE ESTIMATES THAT REPAIR OF THE PIPE LEAK WILL BE COMPLETED IN SEVERAL HOURS.

STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR HAVE BEEN INFORMED.

\*\*\* UPDATE AT 1609 EDT FROM DAYTON TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1540 EDT.

THE FUEL OIL LEAK ON THE "B" EDG WAS REPAIRED AND THE DIESEL TESTED SATISFACTORILY. IT WAS PLACED BACK IN SERVICE AT 1540 EDT TERMINATING THE UNUSUAL EVENT. THE LICENSEE INFORMED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. NRR EO (ROSSI), R2DO (BELISLE), AND FEMA (ROY) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23232

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HARRIS                      |           | Notification Date / Time: 04/14/1992 05:41 (EDT) |   |
| Unit: 1                           | Region: 2 | State : NC                                       | Event Date / Time: 04/14/1992 05:19 (EDT) |
| Reactor Type: [1] W-3-LP          |           | Last Modification: 04/14/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: ABRAHAM          |           | Notifications: GEORGE AL BELISLE                 | RDO                                       |
| HQ Ops Officer: GREG SCARFO       |           | JAMES RICHARDSON                                 | EO  |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS   | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AN NOUE WAS DECLARED AT 0519 DUE TO LOSS OF PLANT COMPUTER.

THE FOLLOWING IS THE TEXT OF A FACSIMILE SUBMITTED TO THE OPERATIONS CENTER:

"UNUSUAL EVENT DECLARED AT 0519 EDS DUE TO LOSS OF PLANT COMPUTER FOR MORE THAN FOUR HOURS. ALL PARAMETERS NECESSARY FOR PLANT OPERATION ARE AVAILABLE BY OTHER MEANS, AND SURVEILLANCE REQUIREMENTS USUALLY PERFORMED BY THE PLANT COMPUTER ARE BEING MONITORED BY LOCAL AND CONTROL ROOM INDICATIONS."  
END OF TEXT

THE OTHER MEANS AVAILABLE TO MONITOR PARAMETERS NORMALLY MONITORED BY THE PLANT COMPUTER INCLUDE METERS ON THE MAIN CONTROL BOARD, MANUALLY-OBTAINED MEASUREMENTS, AND NUCLEAR INSTRUMENTATION. THE REASON FOR THE LOSS OF THE PLANT COMPUTER IS UNDER INVESTIGATION AT THIS TIME. THE LICENSEE STATED THAT THE LOSS WAS DUE TO A COMPUTER-SPECIFIC PROBLEM. NO OTHER SYSTEMS, ELECTRICAL BUSES, OR SAFETY EQUIPMENT ARE AFFECTED. PLANT ANNUNCIATORS ARE FULLY OPERABLE. THE CRITERIA FOR EXITING THE NOUE IS THE RETURN TO SERVICE OF THE PLANT COMPUTER. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES.

\*\*\*\* UPDATE @ 0902 EDT ON 04/14/92 BY A. WILLIAMS TAKEN BY T. ANDREWS \*\*\*\*

TERMINATED UNUSUAL EVENT AT 0845 EDT WHEN THE PLANT COMPUTER WAS RESTORED TO SERVICE. ALL SYSTEMS ARE NORMAL. THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED OF THE TERMINATION.

HOO NOTIFIED R2DO (BELISLE), EO (ROSSI), FEMA (SUMMER)

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Power Reactor

Event # 23294

|  |           |  |   |
|--|-----------|--|---|
| Site: MCGUIRE                          |           | Notification Date / Time: 04/21/1992 11:35 (EDT) |   |
| Unit: 1                                | Region: 2 | State : NC                                       | Event Date / Time: 04/21/1992 11:00 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 04/21/1992                    |   |
| Containment Type: ICE COND             |           |  |   |
| NRC Notified by: MCCORKLE              |           | Notifications: JEROME BLAKE RDO                  |   |
| HQ Ops Officer: THOMAS ANDREWS         |           | ALFRED CHAFFEE EO                                |   |
| Emergency Class: UNUSUAL EVENT         |           | DAN SULLIVAN FEMA                                |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 98         | Power Operation | 93         | Power Operation |

LICENSEE DECLARED UNUSUAL EVENT DUE TO INITIATING PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS AT 1100 EDT.

AT 0914 EDT, THE 'B' SOLID STATE PROTECTION SYSTEM [SSPS] BECAME INOPERABLE WHEN A DEMULTIPLEXER MALFUNCTIONED. TECHNICAL SPECIFICATIONS REQUIRE THE PLANT TO BE IN MODE 3 WITHIN SIX HOURS OF THE SOLID STATE PROTECTION SYSTEM BEING DECLARED INOPERABLE.

SHUTDOWN WAS STARTED AT 1100 EDT AT 36% PER HOUR. THE UNUSUAL EVENT WAS DECLARED WHEN THE SHUTDOWN BEGAN. THE UNIT WILL BE IN MODE 3 BY 1514 EDT. THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE EITHER RESTORING THE 'B' SSPS AND SECURING THE PLANT SHUTDOWN OR WHEN THE PLANT REACHES MODE 3.

THE LICENSEE IS WORKING TO REPAIR THE PROBLEM AND IS INVESTIGATING THE CAUSE OF THE DEMULTIPLEXER MALFUNCTION. THE PROBLEM APPEARS TO BE ASSOCIATED WITH ONE OF THE ELECTRONIC CARDS IN THE SSPS.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE, AND LOCAL OFFICIALS. A PRESS RELEASE IS NOT ANTICIPATED AT THIS TIME.

\*\*\*\* UPDATE @ 1327 EDT ON 04/21/92 BY MCCORKLE TAKEN BY ANDREWS \*\*\*\*

TERMINATED UNUSUAL EVENT AT 1315 EDT WHEN THE 'B' SSPS WAS RETURNED TO SERVICE AND THE LOAD REDUCTION TERMINATED. THE PROBLEM WAS CORRECTED BY REPLACING A CARD IN THE SSPS. POWER WAS REDUCED TO 60 PERCENT.

THE LICENSEE WILL STABILIZE POWER AND RETURN TO 100 PERCENT POWER.

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Power Reactor

Event # 23294

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION OF UNUSUAL  
EVENT. THEY WILL NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R2DO (CANTRELL), EO (ROSSI), FEMA (ROY).

\*\*\*\*\*

Research Reactor

Event # 23298

|   |                    |   |      |
|---|--------------------|---|------|
| <b>Facility:</b> UNIV OF VIRGINIA       |                    | <b>Notification Date / Time:</b> 04/22/1992 13:00 (EDT) |      |
| <b>Licensee:</b> UNIVERSITY OF VIRGINIA |                    | <b>Event Date / Time:</b> 04/22/1992 12:10 (EDT)        |      |
| <b>Fac Type:</b> 2000 KW POOL           |                    | <b>Last Modification:</b> 04/22/1992                    |      |
| <b>Region:</b> 2                        |                    | <b>Docket #:</b> 05000062                               |      |
| <b>City:</b> CHARLOTTESVILLE            |                    | <b>Agreement State:</b> No                              |      |
| <b>County:</b> ALBEMARLE                |                    | <b>License #:</b> R-66                                  |      |
| <b>State:</b> VA                        |                    |   |      |
| <b>NRC Notified by:</b> JAMES FARRAR    |                    | <b>Notifications:</b> FLOYD CANTRELL                    | RDO  |
| <b>HQ Ops Officer:</b> THOMAS ANDREWS   |                    | ERNIE ROSSI   | EO   |
| <b>Emergency Class:</b> UNUSUAL EVENT   |                    | CALDWELL  | FEMA |
| <b>10 CFR Section:</b>                  |                    | EUGENE MCPEEK   | IAT  |
| 50.72(a)(1)(i)                          | EMERGENCY DECLARED | COLLINS   | R2   |
| 73.71(b)(1)                             | SAFEGUARDS REPORTS | ROBERT BURNETT  | IAT  |

SECURITY THREAT DIRECTED AT UNIVERSITY OF VIRGINIA NUCLEAR REACTOR FACILITY BUILDING CONTAINING THE TWO MW SWIMMING POOL RESEARCH REACTOR. THIS FACILITY IS LOCATED AT CHARLOTTESVILLE, VA.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THE DECLARATION OF THE UNUSUAL EVENT

SEE HOO LOG FOR DETAILS.

\*\*\*\* UPDATE AT 1558 EDT ON 04/22/92 BY BENNECHE TAKEN BY ANDREWS \*\*\*\*

LICENSEE HAS DETERMINED THAT NO REAL THREAT CURRENTLY EXISTS AT THE REACTOR BUILDING. THEY ARE TERMINATING THE UNUSUAL EVENT AT 1558 EDT. THE LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R2DO (CANTRELL), EO (ROSSI), IAT (BURNETT, MCPEEK) AND FEMA (LOUZANIS)

\*\*\*\*\*

Power Reactor

Event # 23355

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SOUTH TEXAS                      |            | Notification Date / Time: 04/28/1992 19:14 (EDT) |   |                 |            |                 |
| Unit: 2                                | Region: 4  | State : TX                                       | Event Date / Time: 04/28/1992 17:30 (CDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 04/28/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: LAROYA                |            | Notifications: PHIL HARRELL RDO                  |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY            |            | JAMES RICHARDSON EO                              |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | SIMMERS FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N          | Yes  | 100                                       | Power Operation | 93         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO TWO STUCK OPEN SG SAMPLE ISOLATION VALVES.

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1730 CDT DUE TO A TECHNICAL SPECIFICATION REQUIRED SHUTDOWN. OPERATORS HAD JUST COMPLETED SAMPLING THE "2C" STEAM GENERATOR (SG) AND WERE IN THE PROCESS OF SECURING THE LINEUP WHEN THEY WERE UNABLE TO SHUT THE TWO IN-LINE SAMPLE ISOLATION VALVES. SPECIFICALLY, VALVES SBFV-4187 AND 4187A (ONE INCH, SOLENOID OPERATED, FAIL SHUT (SPRING) TARGET-ROCK VALVES) WERE STUCK OPEN. WITH THE TWO IN LINE ISOLATION VALVES (BOTH OUTSIDE OF PRIMARY CONTAINMENT) OPEN, THE LICENSEE ENTERED TECHNICAL SPECIFICATION 3.0.3 WHICH REQUIRES THE UNIT TO BE PLACED IN HOT SHUTDOWN WITHIN 6 HOURS. THESE VALVES ARE REQUIRED TO CLOSE AUTOMATICALLY ON AN AUXILIARY FEEDWATER ACTUATION.

OPERATORS REMOVED FUSES THAT SUPPLY POWER TO THE SOLENOIDS AND THE VALVES DID NOT GO SHUT. OPERATORS THEN TOOK ACTION TO REMOVE INSULATION AROUND THE VICINITY OF THE VALVES AND DIRECT VENTILATION ON THE VALVES TO COOL THEM.

WHILE THE INITIAL NOTIFICATION WAS IN PROGRESS, ONE OF THE VALVES WENT SHUT AND WAS CONFIRMED TO BE SHUT BY LINING UP TO THE SAMPLE SINK AND RECEIVING NO FLOW. THE UNUSUAL EVENT WAS TERMINATED AT 1835 CDT AND THE POWER DECREASE STOPPED AND THE UNIT STABILIZED AT 93% POWER. THE LICENSEE EXITED TECHNICAL SPECIFICATION 3.0.3 WITH THE PLANT MANAGERS CONCURRENCE.

TECHNICAL SPECIFICATION 3.6.3, WHICH ADDRESSES PRIMARY CONTAINMENT ISOLATION REQUIREMENTS IS MET BECAUSE "THE AFFECTED PENETRATION WAS ISOLATED WITHIN 4 HOURS USING AT LEAST ONE DE-ACTIVATED AUTOMATIC VALVE SECURED IN THE ISOLATION POSITION". THE SBFV-4187 VALVE IS CURRENTLY ISOLATED WITH POWER TO ITS SOLENOID REMOVED, WHILE THE 4187A VALVE IS STILL CURRENTLY STUCK OPEN. OPERATORS ARE CONTINUING WITH EFFORTS TO COOL THE VALVE THAT REMAINS OPEN.

Power Reactor

Event # 23355

THE CAUSE OF THE VALVES REMAINING OPEN IS STILL BEING INVESTIGATED BUT IS THOUGHT TO BE RELATED TO THERMAL EFFECTS. THE LICENSEE STATED THAT THIS PROBLEM HAS OCCURRED ON THESE VALVES BEFORE, ONE VALVE AT A TIME. THERE WERE NO EMERGENCY CORE COOLING SYSTEMS OUT OF SERVICE AT THE TIME OF THE EVENT.

THE LICENSEE INFORMED THE RESIDENT INSPECTOR.

\*\*\*\*\*

Power Reactor

Event # 23366

|                                      |           |  |   |
|--------------------------------------|-----------|--|---|
| Site: SEQUOYAH                       |           | Notification Date / Time: 04/29/1992 23:03 (EDT) |   |
| Unit: 1                              | Region: 2 | State: TN  | Event Date / Time: 04/29/1992 22:26 (EDT) |
| Reactor Type: [1] W-4-LP, [2] W-4-LP |           | Last Modification: 04/29/1992                    |   |
| Containment Type: ICE COND           |           |  |   |
| NRC Notified by: HILL                |           | Notifications: THOMAS DECKER RDO                 |   |
| HQ Ops Officer: TIM McGINTY          |           | JAMES RICHARDSON EO                              |   |
| Emergency Class: UNUSUAL EVENT       |           | HIRST FEMA                                       |   |
| 10 CFR Section:                      |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |           |  |   |
| 50.72(b)(1)(iv) ECCS INJECTION       |           |  |   |
| 50.72(b)(2)(ii) RPS ACTUATION        |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION        |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | No      | 0          | Hot Standby     | 0          | Hot Standby     |

UNIT 1 WAS IN HOT STANDBY AT NORMAL OPERATING TEMPERATURE AND PRESSURE. AT 2226 EDT A REACTOR TRIP AND SAFETY INJECTION SIGNAL WAS RECEIVED. THE INITIATING SIGNAL WAS THE LOW MAIN STEAM LINE PRESSURE (600#) SAFETY INJECTION/RX TRIP SIGNAL, WHICH ALSO CONTAINS A HIGH RATE OF STEAM LINE PRESSURE DECREASING TRIP. STEAM PRESSURE WAS NORMAL AT ABOUT 1000# AT THE TIME OF THE EVENT, AND THE LOWEST INDICATED STEAM LINE PRESSURE ACCORDING TO THE STRIP CHARTS WAS ABOUT 950# DURING THE EVENT. THEREFORE IT APPEARS THAT THE RATE TRIP CAUSED THE SAFETY INJECTION SIGNAL.

THE CAUSE OF THE LOWERING STEAM LINE PRESSURE IS UNKNOWN AND IS BEING INVESTIGATED AT THIS TIME. THE STEAM DUMPS TO THE MAIN CONDENSER (12 VALVES RATED AT APPROXIMATELY 3% EACH) WERE SEEN BY ONE OPERATOR TO BE BRIEFLY OPEN, AND THEN INDICATED SHUT AGAIN. PERSONNEL IN THE TURBINE BUILDING HEARD A NOISE AT THE TIME OF THE EVENT THAT MAY INDICATE THE STEAM DUMPS OPENED BRIEFLY. AN I&C TECHNICIAN WAS WORKING ON THE STEAM LINE PRESSURE TRANSMITTER CIRCUIT AT THE TIME OF THE EVENT AND HE IS BEING INTERVIEWED REGARDING HIS ACTIVITIES AT THE TIME.

THE PLANT RESPONDED TO THE EVENT AS FOLLOWS:

- SHUTDOWN ROD BANKS WERE FULLY WITHDRAWN PER NORMAL PROCEDURE (A STARTUP WAS NOT IN PROGRESS) AND FULLY INSERTED INTO THE CORE.
- ALL FOUR EDGs AUTO STARTED AS DESIGNED, BUT DID NOT LOAD BECAUSE OFF-SITE POWER REMAINED AVAILABLE.
- MSIVs WENT CLOSED AS DESIGNED ON THE SAFETY INJECTION SIGNAL.
- AUX FEEDWATER INITIATED AS DESIGNED IN RESPONSE TO THE EVENT.
- NO PRIMARY OR SECONDARY RELIEF VALVES LIFTED DUE TO THE EVENT.
- ALL ECCSs STARTED AS DESIGNED (CHARGING PUMPS, SAFETY INJECTION PUMPS AND RHR PUMPS), HOWEVER ONLY THE CHARGING PUMPS ACTUALLY INJECTED DUE TO REMAINING AT NORMAL PRESSURE.

Power Reactor

Event # 23366

THE UNUSUAL EVENT WAS DECLARED PER THE UNITS EMERGENCY CLASSIFICATION SYSTEM DUE TO AN UNPLANNED ECCS DISCHARGE TO THE RCS. THE UE WILL BE TERMINATED WHEN THE INVESTIGATION HAS DETERMINED A CAUSE FOR THE EVENT.

THE UNIT REMAINS IN HOT STANDBY, BLEEDING STEAM VIA THE MSIV BYPASSES (MSIVs REMAIN SHUT) TO WARM UP AND REPRESSURIZE THE MAIN STEAM HEADER. AUX FEED CONTINUES TO BE UTILIZED TO FEED THE SGs. THE MAIN CONDENSER HAS A VACUUM LOCKED IN, AND ATMOSPHERIC STEAM DUMPS ARE AVAILABLE IF NEEDED. THE ECCS INJECTION VIA THE CHARGING PUMPS WAS SECURED BY PROCEDURE A FEW MINUTES AFTER THE EVENT. THE SAFETY INJECTION SIGNAL HAS BEEN RESET AND ALL SYSTEMS RETURNED TO NORMAL.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR, AND A PRESS RELEASE WILL PROBABLY BE ISSUED IN THE MORNING.

\*\*\*\* UPDATE @ 0347 EDT ON 04/30/92 BY HILL TAKEN BY ANDREWS \*\*\*\*  
LICENSEE EXITED UNUSUAL EVENT AT 0330 EDT.

THE LICENSEE HAS DETERMINED THAT THE SAFETY INJECTION SIGNAL WAS INITIATED BY AN INADVERTENT ACTUATION OF THE STEAM DUMP SYSTEM. THE STEAM DUMP SYSTEM IS NOW IN THE OFF CONDITION AND THE MAIN STEAM ISOLATION VALVES ARE CLOSED. THE MAIN STEAM ISOLATION VALVES WILL REMAIN CLOSED UNTIL THE STEAM DUMP PROBLEM IS RESOLVED.

THE SAFETY INJECTION SIGNAL HAS BEEN CLEARED. ALL EMERGENCY PROCEDURES HAVE BEEN COMPLETED AND ALL EQUIPMENT HAS BEEN RETURNED TO ITS NORMAL STANDBY CONDITION. THE AUTOMATIC SAFETY INJECTION HAS BEEN RE-ENABLED.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS WILL BE NOTIFIED OF THE TERMINATION. A PRESS RELEASE WILL BE MADE IN THE MORNING.

HOO NOTIFIED R2DO (DECKER), EO (RICHARDSON), FEMA (HIRST).

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Power Reactor

Event # 23381

|                                      |            |            |            |  |            |                 |
|--------------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: BEAVER VALLEY                  |            |            |            | Notification Date / Time: 05/01/1992 14:34 (EDT) |            |                 |
| Unit: 2                              | Region: 1  | State : PA |            | Event Date / Time: 05/01/1992 13:56 (EDT)        |            |                 |
| Reactor Type: [1] W-3-LP,[2] W-3-LP  |            |            |            | Last Modification: 05/04/1992                    |            |                 |
| Containment Type: DRY SUB            |            |            |            |  |            |                 |
| NRC Notified by: WAHLENMAYER / HASER |            |            |            | Notifications: GENE KELLY RDO                    |            |                 |
| HQ Ops Officer: DICK JOLLIFFE        |            |            |            | ERNIE ROSSI EO                                   |            |                 |
| Emergency Class: UNUSUAL EVENT       |            |            |            | WITSBERGER FEMA                                  |            |                 |
| 10 CFR Section:                      |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |            |            |  |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION        |            |            |            |  |            |                 |
| Unit                                 | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                    | N          | No         | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |

- UE DECLARED ON UNIT 2 DUE TO 550 GAL SI WHILE IN MODE 5 (COLD SHUTDOWN) -

LICENSEE WAS PERFORMING MAINTENANCE ACTIVITIES ON THE #2-3 120 VAC VITAL BUS WITH A FALSE HIGH PRESSURE SIGNAL INSERTED ON SAFETY INJECTION SYSTEM, CHANNEL 1.

AT 1356, THE VOLTAGE ON THE #2-3 120 VAC VITAL BUS SPIKED HIGH FOR UNKNOWN REASONS CAUSING A HIGH PRESSURE SIGNAL ON SAFETY INJECTION SYSTEM, CHANNEL 3 WHICH CAUSED AN AUTOMATIC SAFETY INJECTION DUE TO 2 OF 3 SAFETY INJECTION LOGIC SIGNAL. 2 OF 3 EDGs STARTED AND ALL SAFETY INJECTION SYSTEM VALVES REPOSITIONED, AS EXPECTED.

AT 1400, LICENSEE RESET THE SAFETY INJECTION SIGNAL.

APPROX 550 GALLONS WERE INJECTED INTO THE RCS IN LESS THAN 2 MINUTES; PRESSURIZER WATER LEVEL INCREASED FORM 50 TO 60%; RCS PRESSURE INCREASED FROM 345 TO 375 PSIG; RCS TEMPERATURE DECREASED FROM 167 TO 166 DEGREES F.

AT 1408, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A SAFETY INJECTION INTO THE Rx COOLANT SYSTEM.

AT 1415, LICENSEE COMPLETED THE RECOVERY FROM THE SAFETY INJECTION.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND WILL INFORM THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1451 BY WAHLENMAYER ENTERED BY HOO JOLLIFFE \*\*\*

AT 1448, LICENSEE TERMINATED THE UNUSUAL EVENT AFTER VERIFYING ALL SYSTEMS WERE

Power Reactor  
RESTORED TO NORMAL.

Event # 23381

LICENSEE WILL NOTIFY STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R1DO KELLY, NRR EO ROSSI, FEMA WITSBERGER OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE @ 1034 ON 05/04/92 BY KINEST TO GOULD \*\*\*

THE REASON VITAL BUS #3 WAS DEENERGIZED IS EXPLAINED IN THIS UPDATE. THE #3 VITAL BUS VOLTAGE REGULATOR WAS BEING PLACED IN SERVICE AND THE #3 UPS WAS DEENERGIZED TO PERMIT I&C TO REPLACE FUSES. ADDITIONAL SWITCHING PERFORMED BY THE OPERATOR PER THE MAINTENANCE WORK REQUEST, RESULTED IN AN INADVERTENT DOWNPOWERING OF THE VOLTAGE REGULATOR, WHICH DEENERGIZED THE #3 VITAL BUS. AT THE SAME TIME A MAINTENANCE PROCEDURE WAS IN PROGRESS ON A CHANNEL 1 PRESSURIZER (PZR) CHANNEL. THE BISTABLES FOR THE PRESSURE CHANNEL WERE TRIPPED PER THE MAINTENANCE PROCEDURE. WHEN THE #3 VITAL BUS WAS DEENERGIZED, THE BISTABLES FOR CHANNEL 3 COMPONENTS TRIPPED AS DESIGNED, INCLUDING PZR PRESSURE CHANNEL 3. THE LOW PZR SI BLOCK PERMISSIVE (#P11) AUTOMATICALLY UNBLOCKED. WITH RCS PRESSURE @ 343 PSIG, THE PZR PRESSURE SI LOGIC WAS SATISFIED. RCS PRESSURE ROSE TO 375 PSIG AS THE RESULT OF THE INJECTED WATER. THE LOW OVERPRESSURE PROTECTION SYSTEM WAS IN SERVICE, BUT RCS PRESSURE REMAINED BELOW THE LIFT SETPOINT OF 458 PSIG.

\*\*\*\*\*

Power Reactor

Event # 23412

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: TROJAN                      |            | Notification Date / Time: 05/06/1992 23:52 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 5  | State : OR                                       | Event Date / Time: 05/06/1992 20:27 (PDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP          |            | Last Modification: 05/07/1992                    |   |                 |            |                 |
| Containment Type:                 |            |  |   |                 |            |                 |
| NRC Notified by: ROSS             |            | Notifications: STUART RICHARDS RDO               |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY       |            | JOSE CALVO EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | SHULL FEMA                                       |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

THE LICENSEE DECLARED AN UNUSUAL EVENT IN RESPONSE TO A CHLORINE LEAK AT THE ALL-PURE CHEMICAL PLANT (LOCATED DIRECTLY ACROSS THE COLUMBIA RIVER FROM THE PLANT). THE CHEMICAL PLANT IS LOCATED IN KALAMA, WASHINGTON. THE COWLITZ COUNTY (WASHINGTON) EMERGENCY CENTER HAS STOPPED TRAVEL ON THE COLUMBIA RIVER AND ON THE RAILROAD TRACKS ADJACENT TO THE CHEMICAL PLANT.

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON AN OFF-SITE THREAT OF TOXIC GAS AFFECTING THE OPERATING PERSONNEL AT THE TROJAN PLANT. THE LICENSEE STATED THAT RIVER TRAFFIC WAS STOPPED AS A PRECAUTIONARY MEASURE, AND THAT THE SOURCE OF THE LEAK IS A RUPTURED TANK. CREWS ARE ATTEMPTING TO PUMP THE RUPTURED TANKS CONTENTS TO AN INTACT TANK AT THIS TIME. THE UE WAS DECLARED AT TROJAN ALSO AS A PRECAUTIONARY MEASURE DUE TO FLUCTUATING WIND CONDITIONS BEING UNPREDICTABLE. SCBAs HAVE BEEN STATIONED IN THE CONTROL ROOM, BUT HAVE NOT BEEN DONNED. THE CRITERIA FOR TERMINATING IS WHEN THE LEAK HAS BEEN ISOLATED AND RIVER TRAFFIC RESUMED. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR.

**\*\* UPDATE DATE/TIME: 5/7/92 @ 0105 EDT FROM LICENSEE: KEPPINGER BY McGINTY \*\***

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2155 PDT WHEN THE RELEASE WAS POSITIVELY SECURED IN THE TANK BY INSTALLING A LEADED PLUG. TRAFFIC ON THE COLUMBIA RIVER IS SCHEDULED TO BE RESUMED AT 2230 PDT. THE ORIGINAL CAUSE OF THE TANK RUPTURE IS UNKNOWN AT THIS TIME. THE DESCRIPTION OF THE TANK SIZE OF THE LEAK GIVEN TO THE LICENSEE BY THE WASHINGTON STATE POLICE WAS A "200# CYLINDER WHICH DEPRESSURIZED DUE TO THE LEAK". THERE WERE NO RESIDENTIAL EVACUATIONS AS A RESULT OF THIS EVENT. THE LICENSEE WILL ISSUE A PRESS RELEASE IN THE MORNING, AND HAS NOTIFIED THE RESIDENT INSPECTOR.

HOO NOTIFIED: R5DO (RICHARDS), EO (CALVO) AND FEMA (DAMICO).

\*\*\*\*\*

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 23428

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FT CALHOUN                  |           | Notification Date / Time: 05/08/1992 17:34 (EDT) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 05/08/1992 16:10 (CDT) |
| Reactor Type: [1] CE              |           | Last Modification: 06/04/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: CARLSON          |           | Notifications: ART HOWELL                        | RDO                                       |
| HQ Ops Officer: JOHN MacKINNON    |           | JOSE CALVO                                       | EO  |
| Emergency Class: UNUSUAL EVENT    |           | HIRST  | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 66         | Power Operation | 66         | Power Operation |

LOCAL LEAK RATE TEST ON PERSONNEL ACCESS DOOR TO CONTAINMENT > 0.6La. THIS PLACED THEM IN TECH SPEC 2.0.1 (MOTHERHOOD STATEMENT).

AT 1610CDT I&C TECHNICIANS NOTIFIED CONTROL ROOM THAT SURVEILLANCE TESTING ON PERSONNEL ACCESS DOOR TO CONTAINMENT WAS GREATER THAN TECH SPEC LIMIT OF 1.87SCF/M (STANDARD CUBIC FEET PER MINUTE). ACTUAL LEAK RATE WAS 2.4SCF/M. THIS PLACED LICENSEE IN TECH SPEC 2.6 (CONTAINMENT INTEGRITY). LICENSEE DECLARED A LOSS OF CONTAINMENT INTEGRITY WHICH PLACED THEM IN TECH SPEC 2.0.1 (MOTHERHOOD STATEMENT) WHICH IS REQUIRES THE PLANT TO BE SHUTDOWN IF THE PERSONNEL ACCESS DOOR TO CONTAINMENT LEAK RATE CANNOT BE REDUCED BELOW TECH SPEC LIMIT OF 1.87SCF/M. LICENSEE MADE SOME REPAIRS TO PERSONNEL ACCESS DOOR TO CONTAINMENT BY TIGHTENING SOME PACKING AND HAVE RETESTED THE DOOR AGAIN. AT 1735EDT OPERATIONS SUPERVISOR INFORMED CHUCK CARLSON THAT RETESTED DATA SHOWS A LEAK RATE OF 1.6SCF/M WHICH IS BELOW LIMIT FOR PERSONNEL ACCESS DOOR OF 1.87SCF/M.

STATE, & LOCAL AUTHORITIES HAVE BEEN INFORMED BY LICENSEE BUT THEY ARE UNABLE TO CONTACT RESIDENT INSPECTOR.

\*\*\*UPDATE 1748EDT 5/08/92 BY CHUCK CARLSON TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 1745EDT BECAUSE PERSONNEL ACCESS DOOR TO CONTAINMENT LEAK RATE WAS BELOW TECH SPEC LIMIT. RI WILL BE NOTIFIED. R4DO(ART HOWELL), EO (CALVO), & FEMA (HIRST) NOTIFIED.

\*\*\* UPDATE AT 1512 BY GESCHWENDER ENTERED BY HOO JOLLIFFE \*\*\*

LICENSEE DESIRES TO RETRACT THIS EVENT SINCE CONTAINMENT INTEGRITY HAD NOT BEEN VIOLATED AND ENTRY INTO TECH SPEC LCO A/S 2.0.1 AND THE DECLARATION OF THE UNUSUAL

05/19/2005

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor  
EVENT WAS NOT NECESSARY.

Event # 23428

LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R4DO HUNTER.

\*\*\*\*\*

Research Reactor

Event # 23440

|  |  |
|--|--|
| Facility: REED COLLEGE                               | Notification Date / Time: 05/11/1992 18:35 (EDT) |
| Licensee: REED INSTITUTE                             | Event Date / Time: 05/11/1992 14:08 (PDT)        |
| Fac Type: 250 KW TRIGA MARK I                        | Last Modification: 05/11/1992                    |
| Region: 5  | Docket #: 05000288                               |
| City: PORTLAND                                       | Agreement State: Yes                             |
| County: MULTNOMAH                                    | License #: R-112                                 |
| State: OR  |  |
| NRC Notified by: POLLOCK                             | Notifications: JIM REESE RDO                     |
| HQ Ops Officer: TIM McGINTY                          | JOSE CALVO EO                                    |
| Emergency Class: UNUSUAL EVENT                       | CALDWELL FEMA                                    |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |  |

REED COLLEGE, LOCATED IN PORTLAND OREGON, HAD A FIRE IN THE CHEMISTRY BUILDING AT 1408 PDT, WHICH RESULTED IN EVACUATION OF THE CHEMISTRY BUILDING. THE EMERGENCY PLAN STIPULATES THAT A FIRE WHICH REQUIRES AN EVACUATION OF ANY PORTION OF THE CHEMISTRY BUILDING (IN WHICH THE TRIGA RX IS LOCATED) SHALL BE CLASSIFIED AS AN UNUSUAL EVENT. THE FIRE WAS A CHEMICAL LAB TOP FIRE IN A REMOTE AREA OF THE CHEMISTRY BUILDING, FAR AWAY FROM THE RX. THE RX WAS SHUTDOWN AT THE TIME OF THE EVENT, AND THERE WERE NOT ANY PERSONNEL IN THE RX FACILITY AT THE TIME. THE FIRE WAS EXTINGUISHED BY THE EXPERIMENTER USING SAND. THE FIRE DEPARTMENT WAS CALLED AND TOLD, HOWEVER THEY WERE NOT REQUIRED TO RESPOND.

THE REED COLLEGE EMERGENCY PLAN IS CURRENTLY UNDER REVIEW FOR CHANGE, SUCH THAT AN UNUSUAL EVENT WOULD NOT BE DECLARED FOR SUCH A FIRE UNLESS IT REQUIRED AN EVACUATION FOR A LONGER PERIOD OF TIME. MR. POLLOCK NOTIFIED REGION V (REESE), AND WILL NOTIFY THE OREGON DOE.

\*\*\*\*\*

Power Reactor

Event # 23456

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: VOGTLE                           |            | Notification Date / Time: 05/14/1992 04:17 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : GA                                       | Event Date / Time: 05/14/1992 03:37 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 05/14/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: CARTER                |            | Notifications: WILLIAM CLINE RDO                 |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE          |            | JACK ROE EO                                      |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | HERSKO FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 99         | Power Operation |

- UE DECLARED & PLANT SHUTDOWN DUE TO 2.6 GPM UNIDENTIFIED LEAKRATE -

AT 0008, UNIT 1 EXPERIENCED A SUDDEN INCREASE IN ATMOSPHERIC RADIATION LEVELS INSIDE CONTAINMENT.

AT 0035, LICENSEE BEGAN DETERMINING THE Rx COOLANT SYSTEM LEAKRATE.

AT 0250, LICENSEE DETERMINED THE LEAKRATE TO BE 2.6 GPM UNIDENTIFIED (TECH SPEC LIMIT IS 1.0 GPM UNIDENTIFIED) AND 2.1 IDENTIFIED (TECH SPEC LIMIT IS 10.0 GPM IDENTIFIED).

AT 0330, LICENSEE DETERMINED THAT THE UNIDENTIFIED LEAK WAS COMING FROM INSIDE THE REACTOR BIOLOGICAL SHIELD WALL INSIDE CONTAINMENT.

AT 0337, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN UNIDENTIFIED LEAK RATE EXCEEDING TECH SPEC LIMITS AND BEGAN SHUTTING UNIT 1 DOWN FROM 100% POWER.

LICENSEE EXPECTS TO BE SHUTDOWN IN MODE 3 (HOT STANDBY) IN 4 TO 6 HOURS.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND SAVANNAH RIVER SITE (DOE FACILITY NEARBY) AND THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE AT 17:45 BY WILLIAMS TO GOULD\*\*\*

THE LICENSEE DETERMINED THAT THE LEAK IS COMING FROM A DRAIN VALVE (#1-1204X4306) ON THE SI LINE TO THE LOOP ONE HOT LEG. THERE IS A CRACKED WELD WHERE THE 1" LINE GOES INTO THE 6" LINE. LICENSEE

Power Reactor

Event # 23456

CONSIDERS THIS PRESSURE BOUNDARY LEAKAGE INSTEAD OF UNIDENTIFIED LEAKAGE. LICENSEE IS PROCEEDING TO MODE 5. THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE AT 19:51 BY CARTER TO GOULD\*\*\*

THE LICENSEE TERMINATED THE UE AT 19:45 WHEN UNIT 1 ENTERED MODE 5.  
THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R2DO CLINE, EO ROE, & FEMA EARL.

\*\*\*\*\*

Power Reactor

Event # 23458

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 05/14/1992 09:31 (EDT) |   |
| Unit: 1 2                         | Region: 2 | State : NC                                       | Event Date / Time: 05/14/1992 09:05 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 05/14/1992                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: HARRISON         |           | Notifications: BILL CLINE                        | RDO                                       |
| HQ Ops Officer: JOHN MacKINNON    |           | E ROSSI  | EO  |
| Emergency Class: UNUSUAL EVENT    |           | DAN SULLIVAN                                     | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

SMALL RELEASE OF CHLORINE GAS IN CIRCULATION WATER PUMP INTAKE STRUCTURE (CIRC WATER BAY 1B). NOBODY INJURED.

LICENSEE WAS INJECTING CHLORINE GAS INTO CIRCULATION WATER SYSTEM WHEN THEY DEVELOPED A SMALL CHLORINE GAS LEAK. THE LEAK WAS ISOLATED AND PLANT PERSONNEL WERE EVACUATED FROM CIRCULATION WATER PUMP INTAKE STRUCTURE (BAY "1A & 1B"). NOBODY WAS INJURED BY THE CHLORINE GAS RELEASE. LICENSEE WILL TERMINATE THE UNUSUAL EVENT AFTER THEY START CIRCULATION WATER PUMP AND ENTRAIN THE CHLORINE GAS INTO THE CIRC WATER SYSTEM.

LICENSEE NOTIFIED STATE, LOCAL COUNTIES, & UNITED STATES COAST GUARD OF THIS EVENT.

RESIDENT INSPECTOR HAS BEEN INFORMED OF THIS EVENT BY LICENSEE.

\*\*\*UPDATE 1125EDT 05/14/92 BY ARHERN/HILL TAKEN BY MACKINNON\*\*\*

LICENSEE REPORTED THAT FOUR OF THEIR SECURITY GUARDS CAME INTO CONTACT WITH CHLORINE GAS WHEN THE WIND SHIFTED (THEY WERE CONTROLLING CHLORINE BARRIER TO PREVENT PEOPLE ENTERING AREA) HAVE BEEN TAKEN TO LICENSEES EMERGENCY ROOM (SITE MEDICAL CENTER) FOR OBSERVATION. NONE OF THE SECURITY GUARDS INHALED THE CHLORINE GAS. LICENSEE SAID THAT THE CHLORINE GAS INSIDE CIRC WATER BAYS "1A & 1B" HAS BEEN ENTRAINED INTO CIRC WATER AFTER THEY STARTED THE CIRC WATER PUMPS. LICENSEE NOTIFIED STATE, LOCAL COUNTIES, & RESIDENT INSPECTOR OF THIS EVENT. R2DO(POTTER), EO(ROSSI), FEMA(SULLIVAN) NOTIFIED.

\*\*\*UPDATE 1208EDT 05/14/92 BY HARRISON TAKEN BY MACKINNON\*\*\*

AT 1158EDT LICENSEE TERMINATED THEIR UNUSUAL EVENT AFTER CHLORINE GAS WAS ENTRAINED INTO CIRC WATER SYSTEM AFTER CIRC WATER PUMPS WERE STARTED. LICENSEE HAD NO

Power Reactor

Event # 23458

FURTHER UPDATE ON PERSONNEL SENT TO THEIR MEDICAL CENTER.  
RESIDENT INSPECTOR, STATE, & LOCAL COUNTIES HAVE BEEN NOTIFIED OF THE UE TERMINATION.  
R2DO (BILL CLINE), FEMA (HIRST) NOTIFIED.

\*\*\*UPDATE 1705EDT 05/14/92 BY STRICKLAND TAKEN BY MACKINNON\*\*\*

"FOUR SECURITY GUARDS WERE TAKEN TO DOSHER MEMORIAL HOSPITAL, SOUTHPORT, NC.  
THE FOUR PATIENTS WERE EVALUATED FOR CHLORINE GAS EXPOSURE. THREE OF THEM HAD  
SUPERFICIAL BURNS TO SKIN AND MUCOUS MEMBRANE IRRITATION FROM THE CHLORINE GAS. THEY  
WERE OBSERVED, GIVEN TYLENOL FOR DISCOMFORT. PONTACAINE EYE DROPS WERE GIVEN TO  
ONE OF THEM TO RELIEVE THE BURNING AND IRRITATION. SINCE THEY DID NOT DEVELOP ANY  
RESPIRATORY SYMPTOMS THEY WERE RELEASED.

THE FOURTH PATIENT, A SECURITY GUARD WHO WAS IN THE SAME AREA FOR MOST OF THE TIME,  
DEVELOPED SUPERFICIAL EYE AND THROAT IRRITATION, BUT ALSO RESPIRATORY SYMPTOMS OF  
COUGH, CHEST TIGHTNESS AND SHORTNESS OF BREATH. SHE WAS ADMITTED FOR OBSERVATION  
AS WELL AS GIVEN BREATHING TREATMENTS, OXYGEN, IV FLUIDS AND A DOSE OF STEROIDS TO  
DECREASE THE INFLAMMATION IN THE RESPIRATORY TRACT. A CHEST X-RAY WAS PERFORMED AND  
WILL BE REPEATED IN 24 HOURS TO RULE OUT A DEVELOPING PNEUMONIA OR FLUID BUILD UP IN  
THE LUNGS"

R2DO (BILL CLINE), PAO (FRANK INGRAM) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE. SEE EVENT # 23460

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Power Reactor

Event # 23482

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: RIVER BEND                  |           | Notification Date / Time: 05/17/1992 20:07 (EDT) |   |
| Unit: 1                           | Region: 4 | State : LA                                       | Event Date / Time: 05/17/1992 18:23 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 05/17/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: BAKER            |           | Notifications: GARY SANBORN RDO                  |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT    |           | EARL FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

- UE DECLARED WHEN POTENTIALLY CONTAMINATED CONTRACTOR TAKEN TO HOSPITAL -

AT 1823 (CDT), LICENSEE DECLARED AN UNUSUAL EVENT DUE TO TRANSPORTING A POTENTIALLY CONTAMINATED CONTRACTOR TO AN OFFSITE HOSPITAL AFTER THE CONTRACTOR FELL AND STRUCK HIS HEAD.

HEALTH PHYSICS TECHNICIANS ACCOMPANYING THE INJURED CONTRACTOR TO THE HOSPITAL DETERMINED THAT THE CONTRACTOR WAS NOT CONTAMINATED.

THE CONTRACTOR WAS TREATED IN THE HOSPITAL AND SHOULD BE RELEASED WITHIN 24 HOURS.

AT 1855 (CDT), LICENSEE TERMINATED THE UNUSUAL EVENT.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 23494

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: RIVER BEND                  |           | Notification Date / Time: 05/19/1992 16:27 (EDT) |   |
| Unit: 1                           | Region: 4 | State : LA                                       | Event Date / Time: 05/19/1992 14:52 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 05/19/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: FINNEGAN         |           | Notifications: J. GAGLIARDO RDO                  |   |
| HQ Ops Officer: WILLIAM HUFFMAN   |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED BASED ON INJURED, CONTAMINATED INDIVIDUAL TRANSPORTED OFFSITE.

INDIVIDUAL FELL OFF LADDER (APPROXIMATELY 10 TO 15 FT) WHILE WORKING IN THE MAIN STEAM TUNNEL. HE HAS TWISTED HIS ANKLE AND HAS LOWER BACK PAINS AND POSSIBLE LEG INJURIES. THERE IS NO INDICATION OF SKIN BREAKS OR WOUNDS. THE CONTAMINATION LEVELS ON THE INDIVIDUAL'S PROTECTIVE CLOTHING IS 1000 DPM PER 100 SQ. CM'S. THE CONTAMINATION ON THE STRETCHER IS 4000 DPM PER 100 SQ. CM'S. THE CONTAMINATION IS BETA/GAMMA BUT THE SPECIFIC ISOTOPES ARE UNKNOWN.

THE INDIVIDUAL IS BEING TRANSPORTED TO WEST FELICIANA HOSPITAL ACCOMPANIED BY AN HP TECHNICIAN IN THE AMBULANCE. AN HP TECH HAS ALSO BEEN SENT AHEAD TO THE HOSPITAL TO ASSIST IN PREPARING FOR THE INDIVIDUAL'S ARRIVAL. HP MANAGEMENT IS ALSO ON THE WAY TO THE HOSPITAL.

LICENSEE WILL TERMINATE THE UE WHEN THE INDIVIDUAL IS DECONTAMINATED. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. THE RESIDENT INSPECTOR HAS BEEN INFORMED. THE LICENSEE IS CONSIDERING A PRESS RELEASE.

\*\*\*UPDATE AT 1822EDT BY FINNEGAN TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1722 CDT WHEN NO CONTAMINATION WAS FOUND ON THE SKIN OF THE CONTRACT WORKER (WORKS FOR ANCO AS AN INSULATOR). HE HAS A COMPOUND FRACTURE OF HIS LEFT UPPER FEMUR (FEMUR BROKE THROUGH THE SKIN) ALSO HE HAS SERIOUSLY INJURED HIS BACK. EVERYBODY THAT ACCOMPANIED THE INJURED PERSON TO HOSPITAL HAVE BEEN SURVEYED FOR CONTAMINATION AND THEY WERE CLEAN. ALSO THE AMBULANCE WAS SURVEYED AND FOUND CLEAN. RI, STATE, & LOCAL OFFICIALS NOTIFIED BY THE LICENSEE. R4DO (BARNES), EO (BOGER), & FEMA(LOUZONIS) NOTIFIED.

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Power Reactor

Event # 23495

|  |           |  |   |
|--|-----------|--|---|
| Site: SOUTH TEXAS                      |           | Notification Date / Time: 05/19/1992 18:32 (EDT) |   |
| Unit: 1 2                              | Region: 4 | State : TX                                       | Event Date / Time: 05/19/1992 17:06 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 05/19/1992                    |   |
| Containment Type: DRY AMB DRY AMB      |           |  |   |
| NRC Notified by: BEN DEVILLER          |           | Notifications: IAN BARNES RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON         |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT         |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 91         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 91         | Power Operation |

LICENSEE ENTERED TECH SPEC REQUIRED SHUTDOWN AFTER ENTERING TECH SPEC 3.0.3 FOR UNIT 1 & UNIT 2. LICENSEE DISCOVERED THAT SHUNT TRIP CONTACTS FOR MANUAL REACTOR TRIP SWITCHES (PUSH BUTTONS) AND SAFETY INJECTION SWITCHES (PUSH BUTTONS) ON CONTROL PANEL 5 & 7 (FOR UNIT 1 & UNIT 2) HAD NOT BEEN INDEPENDENTLY TESTED.

LICENSEE ENTERED TECH SPEC 3.0.3 AT 1430 CDT AFTER ENGINEERING FOUND DURING REVIEW OF SURVEILLANCE TEST PROCEDURE (1,2) PSP 03-RS0002 (MANUAL REACTOR TRIP TADOT, OPERATIONAL TEST) THAT THEY HAD NOT INDEPENDENTLY TESTED THE SHUNT CONTACTS OF THE MANUAL REACTOR TRIP BREAKER SWITCHES AND THE SAFETY INJECTION SWITCHES ASSOCIATED WITH CONTROL PANEL 5 & 7 WHICH ARE LOCATED IN LICENSEES RESPECTIVE CONTROL ROOMS. AT 1706 CDT LICENSEE COMMENCED A TECH SPEC REQUIRED SHUTDOWN (ON BOTH UNITS) AFTER DISCUSSION WITH US NRC REGION 4 OFFICE AND NRR BRUCE BOGER. LICENSEE HAS TO BE IN MODE 3 (HOT SHUTDOWN BY 2130 CDT). ALL ECCS AND EDGs ARE FULLY OPERABLE AND THEIR GRID IS STABLE. LICENSEE HAS NOTIFIED STATE, LOCAL OFFICIALS AND THE RESIDENT INSPECTOR OF THIS EVENT.

\*\*\*\*UPDATE 1854EDT BY BEN DEVILLIER TAKEN BY MACKINNON\*\*\*\*

LICENSEE HAS RECEIVED A VERBAL WAVIER OF COMPLIANCE FROM NRR Mr. BOGER AND THEY HAVE STOPPED DECREASING REACTOR POWER AT 83% (SAME POWER LEVEL FOR BOTH UNITS) AND TERMINATED THEIR UNUSUAL EVENT. STATE, LOCAL, & THE RESIDENT INSPECTOR HAVE BEEN INFORMED BY THE LICENSEE. R4DO (BARNES), EO(B BOGER), & FEMA (LOUZONIS) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23513

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CLINTON                     |           | Notification Date / Time: 05/22/1992 09:36 (EDT) |   |
| Unit: 1                           | Region: 3 | State : IL                                       | Event Date / Time: 05/22/1992 08:02 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 05/26/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: JEFF NADEN       |           | Notifications: MARTIN FARBER RDO                 |   |
| HQ Ops Officer: WILLIAM HUFFMAN   |           | E. ROSSIE EO                                     |   |
| Emergency Class: UNUSUAL EVENT    |           | SHULL FEMA                                       |   |
| 10 CFR Section:                   |           | WEISS AEOD                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | JORDAN AEOD                                      |   |
| 50.72(b)(1)(vi) FIRE (ONSITE)     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

#### FIRE IN CHARCOAL FILTER ADSORBER VESSEL.

CLINTON DECLARED AN UNUSUAL EVENT DUE TO A FIRE GREATER THAN 10 MINUTES IN THE FIRST CHARCOAL FILTER ADSORBER VESSEL(#12) IN THEIR OFF-GAS SYSTEM. THE VESSEL, LOCATED IN THE OFF-GAS ADSORBER VAULT, HAS AN INDICATED TEMPERATURE OF GREATER THAN 300F (WHICH EXCEEDS THE UPPER LIMIT OF THE TEMPERATURE MONITORING RTD OF THE CHARCOAL BED). LOCAL TEMPERATURE MONITORING ON THE OUTSIDE OF THE VESSEL INDICATES A TEMPERATURE OF 350F IN THE UPPER REGION OF THE BED.

THE CHARCOAL ADSORBER VESSEL HAS BEEN ISOLATED. THE PLANT STACK EXHAUST MONITORS HAVE NOT INDICATED ANY INCREASE IN RADIATION LEVELS. THE FIRE IS CONTAINED TOTALLY WITHIN THE VESSEL AND DOES NOT PRESENTLY REPRESENT A THREAT TO ANY SURROUNDING PROCESS OR PERSONNEL. THE PLANT IS IN COLD SHUTDOWN COMING OUT OF A REFUELING OUTAGE AND THE OFF-GAS ADSORBER SYSTEM IS NOT REQUIRED.

THE LICENSEE IS CURRENTLY ALIGNING THE SYSTEM TO START A NITROGEN PURGE. THEIR PROCEDURES CALL FOR A 14 DAY PURGE OF THE SYSTEM IN THE EVENT OF A FIRE. THE LICENSEE HAS ALSO CONTACTED THE PERRY NUCLEAR POWER STATION FOR THEIR EXPERIENCE IN COMBATING CHARCOAL ADSORBER BED FIRES.

THE CAUSE OF THE FIRE OR THE APPROXIMATE TIME IT ORIGINATED HAS STILL NOT BEEN DETERMINED.

STATE AND LOCAL AUTHORITIES HAVE BEEN INFORMED. THE RESIDENT INSPECTOR IS PRESENT AT THE FIRE LOCATION.

\*\*\* UPDATE AT 1247 EDT ON 5/22/92 FROM NADEN TO MILLER \*\*\*

THE LICENSEE IS ISSUING A PRESS RELEASE TO LOCAL TELEVISION STATIONS REGARDING THIS

Power Reactor

Event # 23513

EVENT. AT THIS TIME, THE 14 DAY NITROGEN PURGE IS ONGOING, VESSEL WALL TEMPERATURE IS AT 240 F AND VESSEL TOP IS AT 252 F. R3DO (FARBER), EO (ROSSI), PAO (NEWLIN), IRB(SMITH) INFORMED.

\*\*\* UPDATE AT 1725 EDT ON 5/22/92 FROM SCHOTTEL TO MILLER \*\*\*  
COMMAND AUTHORITY SHIFTED FROM SS REED TO SS HAYES AT NORMAL SHIFT TURNOVER.

\*\*\* UPDATE AT 2015 EDT ON 5/23/92 FROM SCHOTTEL TO MILLER \*\*\*  
THE UNUSUAL EVENT WAS TERMINATED AT 1850 CDT WHEN THE LICENSEE MET THE FOLLOWING PREESTABLISHED CRITERIA OVER FOUR CONSECUTIVE HOURS:

- CARBON MONOXIDE LEVELS AT THE EXIT OF THE AFFECTED TANK <100 PPM
- CARBON DIOXIDE LEVELS AT THE EXIT OF THE AFFECTED TANK <1%
- VESSEL TEMPERATURES STEADY OR DECREASING

THE NITROGEN PURGE CONTINUES PER PROCEDURE.  
THE RESIDENT INSPECTOR, R3DO (FARBER), EO (ZWOLINSKI), FEMA (WRIGHT), IRB (SMITH), IRB (WEISS) AND THE STATE HAVE BEEN NOTIFIED.

\*\*\*\* UPDATE @ 1645 EDT ON 05/26/92 TAKEN BY ANDREWS \*\*\*\*  
PLANT ENTERED STARTUP AT 1503 CDT ON 05/26/92. R3DO (WRIGHT) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23534

|  |           |  |   |
|--|-----------|--|---|
| Site: HOPE CREEK                       |           | Notification Date / Time: 05/26/1992 12:15 (EDT) |   |
| Unit: 1                                | Region: 1 | State : NJ                                       | Event Date / Time: 05/26/1992 11:45 (EDT) |
| Reactor Type: [1] GE-4                 |           | Last Modification: 06/15/1992                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: LARRY WAGNER          |           | Notifications: LARRY NICHOLSON RDO               |   |
| HQ Ops Officer: WILLIAM HUFFMAN        |           | E. ROSSI EO                                      |   |
| Emergency Class: UNUSUAL EVENT         |           | MIKE MOSTELLER FEMA                              |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION          |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO TECH SPEC REQUIRED SHUTDOWN.

LICENSEE ENTERED TECH SPEC 3.6.1.1 ACTION STATEMENT FOR PRIMARY CONTAINMENT INTEGRITY AFTER FAILING A DRYWELL TO SUPPRESSION CHAMBER PRESSURE DECAY SURVEILLANCE TEST. THE TECH SPEC REQUIRES THE REACTOR TO BE IN HOT SHUTDOWN WITHIN 12 HOURS IF THE CONDITION CAN NOT BE CORRECTED. THE LICENSEE ELECTED TO DECLARE AN UNUSUAL EVENT BASED ON THE POSSIBLE NEED FOR A TECH SPEC REQUIRED SHUTDOWN.

THE 18 MONTH SURVEILLANCE TEST REQUIRES THAT THE DRYWELL PRESSURE BE ELEVATED TO 0.8PSI ABOVE THE SUPPRESSION CHAMBER. THE PRESSURE DECAY IN THE DRYWELL MUST BE LESS THAN 0.24 INCHES OF WATER PER MINUTE. THE ACTUAL PRESSURE DECAY RATE WAS 0.4 INCHES OF WATER PER MINUTE. THE MOST LIKELY LEAK PATH IS THROUGH ONE OF THE EIGHT VACUUM BREAKERS WHICH CONNECT THE DRYWELL TO THE SUPPRESSION CHAMBER.

LICENSEE HAS CYCLED ALL EIGHT VACUUM BREAKERS AND WILL RERUN THE SURVEILLANCE TEST. IF THE TESTS FAILS AGAIN THEY WILL COMMENCE SHUTTING DOWN AT APPROXIMATELY 1700 EDT TODAY.

THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE FROM LICENSEE:WAGNER TO NRC:HUFFMAN AT 1735EDT, 5/26/92 \*\*\*

LICENSEE COMMENCED SHUTDOWN AT 1500EDT AFTER FAILING THE CONTAINMENT INTEGRITY PRESSURE DECAY SURVEILLANCE A SECOND TIME. HOT SHUTDOWN CONDITIONS SHOULD BE REACHED WELL BEFORE THE TECH SPEC REQUIRED TIME LIMIT OF 2300EDT. THE UE WILL BE TERMINATED UPON REACHING COLD SHUTDOWN CONDITIONS AND EXITING THE CONTAINMENT INTEGRITY TECH SPEC ACTION STATEMENT. THE RESIDENT INSPECTOR HAS BEEN INFORMED. R1DO(SHANBAKY) AND EO(BUTCHER) NOTIFIED.

Power Reactor

Event # 23534

\*\*\*UPDATE 05/27/92 0426EDT BY HARKINS TAKEN BY MACKINNON\*\*\*

WHILE COOLING DOWN THE PLANT (AT 0351EDT) A HIGH DIFFERENTIAL FLOW FOR RWCU WAS RECEIVED (LICENSEE SUSPECTS FLASHING IN INSTRUMENT LINE) WHICH CAUSED PRIMARY CONTAINMENT ISOLATION VALVES FOR THE RWCU SYSTEM TO ISOLATE (RWCU PUMP TRIPPED AS EXPECTED). RWCU SYSTEM WAS CHECKED FOR LEAKS NONE WERE FOUND. CURRENTLY PLANT PRESSURE IS 62psig. LICENSEE WILL RETURN RWCU BACK TO SERVICE. RESIDENT INSPECTOR & LOWER ALLOWAYS CREEK TOWNSHIP WILL BE NOTIFIED BY THE LICENSEE. R1DO (M. SHANBAKY) NOTIFIED.

\*\*\*UPDATE 05/27/92 0626EDT BY COLEMAN TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0615EDT WHEN PLANT ENTERED A COLD SHUTDOWN CONDITION. RESIDENT INSPECTOR AND LOWER ALLOWAYS CREEK TOWNSHIP WILL BE NOTIFIED BY LICENSEE. R1DO (M SHANBAKY), & FEMA (ROY) NOTIFIED.

\*\*\* UPDATE 06/15/92 0925 EDT BY HANSON TAKEN BY KARSCH \*\*\*

RETRACTING THE UPDATE DATED 05/27/92 REGARDING THE RWCU ISOLATION. THE LICENSEE'S ADMINISTRATIVE PROCEDURE "NC.NA/AT.ZZ-0006" EXEMPTS THE LICENSEE FROM THE REQUIREMENT TO REPORT RWCU ISOLATIONS DURING HEATUP OR COOLDOWN DUE TO KNOWN DEFICIENCIES IN THE SYSTEM DESIGN THAT MAKE IT SUSCEPTABLE TO SPURIOUS ISOLATIONS. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE REGION 1 DUTY OFFICER (JOHANSEN) WAS NOTIFIED.

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Power Reactor

Event # 23558

|  |           |  |   |
|--|-----------|--|---|
| Site: FT CALHOUN                       |           | Notification Date / Time: 06/01/1992 01:21 (EDT) |   |
| Unit: 1                                | Region: 4 | State : NE                                       | Event Date / Time: 05/31/1992 22:55 (CDT) |
| Reactor Type: [1] CE                   |           | Last Modification: 06/01/1992                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: SPILKER               |           | Notifications: WESTERMAN                         | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD         |           | BUTCHER  | EO  |
| Emergency Class: UNUSUAL EVENT         |           | EARL   | FEMA                                      |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 63         | Power Operation |

THE PLANT ENTERED A TECH SPEC REQUIRED SHUTDOWN DUE TO A CONTROL ELEMENT ASSEMBLY(CEA) BEING DECLARED INOPERABLE.

THE PLANT EXPERIENCED ONE OF THEIR CEA'S TO DROP FULLY INTO THE CORE. AFTER THE PLANT STABILIZED AT 90% POWER, THEY BEGAN REDUCING POWER AS PER TS TO <70% WITHIN 1 HOUR TO VERIFY THAT THEY HAD ADEQUATE SHUTDOWN MARGIN FOR THE CONFIGURATION. WHEN THEY REACHED BELOW 70% THEY ATTEMPTED TO WITHDRAW THE CEA, BUT THEY COULD NOT GET IT TO MOVE FOR REALIGNMENT, SO IT WAS DECLARED INOPERABLE. WHEN THE CEA WAS DECLARED INOPERABLE, THE PLANT ENTERED A TS LCO WHICH REQUIRES THEM TO BE IN HOT SHUTDOWN WITHIN 5 HOURS. THEY ARE REDUCING POWER AT APPROX 15%/HR. THE CAUSE OF THE CEA DROPPING INTO THE CORE IS BEING INVESTIGATED(THEY SUSPECT A CLUTCH OR ELECTRICAL PROBLEM. THEIR CEA DRIVE MECHANISMS HAVE A RACK AND PINION DESIGN WHICH IS DIFFERENT FROM MOST CE PLANTS). ALL EMERGENCY EQUIPMENT IS OPERABLE. THE RI WAS INFORMED AND SO WAS THE STATE.

\*\*\*UPDATE AT 05:15 FROM RICHARD TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 04:10 CDT WHEN THE PLANT REACHED HOT S/D. NOTIFIED FEMA(MOSTELLER), RDO(WESTERMAN) & EO()

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Power Reactor

Event # 23568

|  |           |  |   |
|--|-----------|--|---|
| Site: COMANCHE PEAK                    |           | Notification Date / Time: 06/03/1992 04:18 (EDT) |   |
| Unit: 1                                | Region: 4 | State : TX                                       | Event Date / Time: 06/03/1992 02:50 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 06/03/1992                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: FAGALA                |           | Notifications: DORWIN HUNTER RDO                 |   |
| HQ Ops Officer: GREG SCARFO            |           | BRIAN GRIMES EO                                  |   |
| Emergency Class: UNUSUAL EVENT         |           | HUGHES FEMA                                      |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 97         | Power Operation |

AT 0250CDT, AN NOUE WAS DECLARED DUE TO THE LOSS OF ONE OF TWO CONTROL ROOM (CR) HVAC UNITS WHILE BOTH UNITS ON TRAIN TWO WERE OUT OF SERVICE FOR MAINTENANCE.

AT 0215CDT, ONE OF THE TWO CR HVAC UNITS ON ONE OF TWO TRAINS OF THE CR VENTILATION SYSTEM WAS DECLARED INOPERABLE WHILE THE OTHER TRAIN WAS OUT-OF-SERVICE FOR MAINTENANCE. WITH 3 OF 4 CR HVAC UNITS OUT OF SERVICE, THE LICENSEE ENTERED TECHNICAL SPECIFICATION LCO 3.0.3 AND A UNIT SHUTDOWN COMMENCED FROM 100% REACTOR POWER. AT 0250CDT, AN NOUE WAS DECLARED. IT IS BELIEVED THAT ONE OF THE TWO OPERABLE HVAC UNITS TRIPPED DUE TO LOW LUBE OIL PRESSURE FROM LEAKAGE OF FREON PAST A COMPRESSOR SEAL INTO THE CRANKCASE.

THE UNIT IS CURRENTLY AT 97% POWER AND REDUCING POWER AT 3% PER HOUR. CORRECTIVE ACTIONS INCLUDE REPLACING THE LUBE OIL TO REMOVE FREON FROM THE OIL SYSTEM AND/OR COMPLETING MAINTENANCE ON THE OTHER CR HVAC TRAIN TO RETURN IT TO SERVICE. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE LICENSEE HAS INFORMED THE TEXAS DEPARTMENT OF PUBLIC SAFETY, HOOD COUNTY, AND SUMMERVILLE COUNTY.

\*\*\* UPDATE 06/03/92 0509EDT FROM:GILLILAND BY:SCARFO \*\*\*

JOE GILLILAND (R4PAO) NOTIFIED THE OPS CENTER OF A PRESS RELEASE BY THE LICENSEE REGARDING THE NOUE AT THE PLANT. R4DO(HUNTER) AND EO(GRIMES) NOTIFIED.

\*\*\* UPDATE 06/03/92 0521EDT FROM:FAGALA BY:SCARFO \*\*\*

THE UNIT IS CURRENTLY AT 92% POWER AND DECREASING POWER AT APPROXIMATELY 24% POWER PER HOUR. RI INFORMED. R4DO(HUNTER) AND EO(GRIMES) NOTIFIED.

\*\*\* UPDATE 06/03/92 0546EDT FROM:HOOD BY:SCARFO \*\*\*

THE LICENSEE REPORTED THAT THERE WILL BE A PRESS RELEASE REGARDING THE EVENT. RI INFORMED.

Power Reactor

Event # 23568

\*\*\* UPDATE 06/03/92 0606EDT FROM:FAGALA BY:SCARFO \*\*\*

THE PLANT IS CURRENTLY AT 71% POWER. NO OFFSITE RELEASES ARE EXPECTED. TAINTED LUBE OIL IS BEING REPLACED WITH NEW OIL TO PRECIPITATE A RETURN TO SERVICE OF THE AFFECTED CR HVAC UNIT. RI INFORMED.

\*\*\* UPDATE 06/03/92 0737EDT FROM:HOOD BY:SCARFO \*\*\*

THE UNIT IS CURRENTLY AT 15% POWER. THE TRIPPED CR HVAC UNIT IS IN OPERATION BUT HAS NOT BEEN DECLARED OPERABLE YET. THE LICENSEE WANTS TO RUN THE UNIT FOR A SHORT TIME BEFORE DECLARING IT OPERABLE. AT THAT TIME, IT WILL BE DECLARED OPERABLE, THE T/S LCO WILL BE EXITED, AND THE NOUE WILL BE TERMINATED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R4DO(HUNTER) AND EO(GRIMES) NOTIFIED.

\*\*\* UPDATE 06/03/92 0930EDT FROM:HOOD BY:SCARFO \*\*\*

TERMINATED THE NOUE AT 0823CDT WHEN THE TRIPPED CR HVAC UNIT WAS RETURNED TO SERVICE. THE UNIT IS STABLE AT 8% WHILE AN INVESTIGATION OF THE EVENT CONTINUES. THE LICENSEE INTENDS TO REMAIN AT 8% POWER UNTIL BOTH TRAINS OF CR HVAC ARE FULLY OPERABLE OR AN ENGINEERING ANALYSIS IS PERFORMED TO ASSURE THAT A SINGLE OPERABLE TRAIN OF CR HVAC IS ADEQUATE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. EO(GRIMES) AND R4DO(HUNTER) NOTIFIED.

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Power Reactor

Event # 23627

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: GRAND GULF                       |            | Notification Date / Time: 06/10/1992 16:27 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : MS                                       | Event Date / Time: 06/10/1992 15:07 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-6                 |            | Last Modification: 06/10/1992                    |   |                 |            |                 |
| Containment Type: MARK III             |            |  |   |                 |            |                 |
| NRC Notified by: SIMPSON               |            | Notifications: PAUL FREDRICKSON RDO              |   |                 |            |                 |
| HQ Ops Officer: GREG SCARFO            |            | VARGA (NRR) EO                                   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | DAMICO FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 37  | Power Operation | 35         | Power Operation |

AT 1507CDT, AN NOUE WAS DECLARED WHEN BOTH TRAINS OF STANDBY GAS TREATMENT SYSTEM (SGTS) WERE DECLARED INOPERABLE DUE TO DEFICIENT INSTALLATION OF MODIFICATIONS DURING A RECENT OUTAGE. A PLANT SHUTDOWN HAS BEEN INITIATED PER TECHNICAL SPECIFICATION 3.0.3.

AT 1507CDT, AN NOUE WAS DECLARED WHEN BOTH DIVISIONS OF SGTS WERE DECLARED INOPERABLE. A VISUAL INSPECTION OF THE STANDBY GAS FILTER FAN HOUSINGS DETERMINED THAT MODIFICATIONS ON THE HOUSINGS WERE DEFICIENT PER THE MODIFICATION CHANGE PACKAGE. PARTICULARLY, DOW CORNING SEALANT WAS NOT INSTALLED PER THE DESIGN CHANGE AND NEOPRENE GASKETS WERE INSTALLED INSTEAD OF DURLON GASKETS. THESE DESIGN DEFICIENCIES COULD RESULT IN EXCESSIVE INLEAKAGE OR COULD HAVE ADVERSE EFFECTS ON SYSTEM FLOW RATE. EACH DIVISION OF SGTS HAS ONE FAN WITH A FAN HOUSING.

PER TECHNICAL SPECIFICATION (T/S) LCO 3.0.3, THE UNIT WILL BE IN HOT STANDBY WITHIN 12 HOURS AND COLD SHUTDOWN WITHIN 24 HOURS. THE LICENSEE ANTICIPATES THAT REPAIRS/RE-INSTALLATIONS WILL BE COMPLETED WITHIN TWO HOURS. AT THAT TIME, THE SHUTDOWN WILL BE TERMINATED, T/S LCO WILL BE EXITED, AND THE NOUE WILL BE TERMINATED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. ALSO NOTIFIED WERE THE MISSISSIPPI HIGHWAY PATROL, LA DEPARTMENT OF EMERGENCY PREPAREDNESS, CLAYBORN COUNTY SHERIFF, TENSAW PARISH SHERIFF, AND PORT GIBSON POLICE DEPARTMENT.

\*\*\*UPDATE AT 18:18 BY SIMPSON TO GOULD\*\*\* AT 16:30 CDT THE LICENSEE CORRECTED THE NONCONFORMANCIES WITH THE STANDBY GAS TREATMENT TRAINS "A" & "B". THEY ARE NOW EVALUATING THE ROOT CAUSE TO DETERMINE THE REASON FOR THE NONCONFORMANCIES. THE NOUE IS STILL ONGOING. THE RI WAS INFORMED.

\*\*\* UPDATE 06/10/92 1836CDT FROM:SIMPSON BY:SCARFO \*\*\*

TERMINATED THE NOUE AND EXITED T/S 3.0.3 AT 1836CDT WHEN BOTH TRAINS OF SGTS WERE DECLARED OPERABLE. THE LICENSEE COMPLETED THE RE-APPLICATION OF THE DOW CORNING

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Power Reactor

Event # 23627

SEALANT TO THE STANDBY GAS FILTER FAN HOUSINGS AND REPLACED THE NEOPRENE GASKETS WITH DURLON GASKETS. THE UNIT IS AT APPROXIMATELY 32% POWER AND PREPARING TO INCREASE TO 100%. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R2DO(FREDRICKSON), FEMA (LOUZONIS) NOTIFIED. STATE AND LOCAL AGENCIES NOTIFIED AS ABOVE.

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Power Reactor

Event # 23645

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: RIVER BEND                  |           | Notification Date / Time: 06/13/1992 00:05 (EDT) |   |
| Unit: 1                           | Region: 4 | State : LA                                       | Event Date / Time: 06/12/1992 22:14 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 06/13/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: BARKER           |           | Notifications: JAMES GAGLIARDO RDO               |   |
| HQ Ops Officer: STEVE SANDIN      |           | STEVEN VARGA EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED DUE TO TRANSPORT OFFSITE OF INJURED POTENTIALLY CONTAMINATED WORKER.

AT 2214CDT, A RAD WORKER WEARING DOUBLE ANTI-Cs EXITED THE DRYWELL AREA AND COLLAPSED AFTER REMOVING HIS RESPIRATOR DUE TO POSSIBLE HEAT EXHAUSTION. HE WAS TRANSPORTED TO WEST FELICIANA PARISH HOSPITAL NEAR ST. FRANCISVILLE, LA WHERE A RAD SURVEY WAS PERFORMED WHICH VERIFIED NO CONTAMINATION WAS INVOLVED. THE UNUSUAL EVENT WAS TERMINATED AT 2253CDT WITH THE LICENSEE NOTIFYING FIVE LOCAL PARISHES, TWO STATE AGENCIES AND THE NRC RESIDENT INSPECTOR. ALSO, A PRESS RELEASE WILL NOT BE MADE UNLESS LICENSEE RECEIVES MEDIA INQUIRIES.

\*\*\*\*\*

Power Reactor

Event # 23674

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: RIVER BEND                  |           | Notification Date / Time: 06/18/1992 19:16 (EDT) |   |
| Unit: 1                           | Region: 4 | State : LA                                       | Event Date / Time: 06/18/1992 17:47 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 06/18/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: CARLSON          |           | Notifications: B MURRAY RDO                      |   |
| HQ Ops Officer: JOHN MacKINNON    |           | RICHARDSON EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

POTENTIALLY CONTAMINATED INJURED PERSON TRANSPORTED OFFSITE BY LOCAL AMBULANCE TO OUR LADY OF THE LAKE HOSPITAL LOCATED IN BATON ROUGE.

A CHAINFALL FELL ON A WORKER WHILE HE WAS WORKING ON A MSIV IN THE DRYWELL. THIS INDIVIDUAL WALKED OUT OF THE DRYWELL ON HIS OWN POWER, & UNDRESSED HIMSELF. WHEN PLANT MEDICAL PERSONNEL ARRIVED ON SCENE AT THE DRYWELL ACCESS POINT THEY PLACED HIM ON A BACKBOARD. WHEN HP ARRIVED ON SCENE THE EMERGENCY MEDICAL TECHNICIAN DID NOT WANT TO MOVE THE INJURED PERSON OFF THE BACKBOARD TO SURVEY HIS BACK. THE EMT WOULDN'T ALLOW THE HP TO MOVE THE INJURED PERSON OFF THE BACKBOARD TO SURVEY HIS BACK FOR CONTAMINATION UNTIL THE INJURED PERSON HAD BEEN CHECKED BY A DOCTOR. HP TEAM IS ACCOMPANYING INJURED PERSON VIA A LOCAL OFFSITE AMBULANCE TO OUR LADY OF THE LAKE HOSPITAL LOCATED IN BATON ROUGE. THIS HOSPITAL IS ABLE TO HANDLE CONTAMINATED PERSONNEL.

LICENSEE HAS NOTIFIED STATE, & LOCAL OFFICIALS. THE RESIDENT INSPECTOR WAS ALSO NOTIFIED OF THIS EVENT.

\*\*\*UPDATE 2033EDT 06/18/92 BY CARLSON TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1925CDT AFTER THE ABOVE MENTIONED INDIVIDUAL WAS FOUND NOT TO BE CONTAMINATED AFTER ARRIVING AT THE HOSPITAL. INDIVIDUAL WILL REMAIN AT THE HOSPITAL TO CHECK FOR POSSIBLE INJURIES. R4DO (B MURRAY), EO (RICHARDSON), & FEMA (HERSO) NOTIFIED.

LICENSEE NOTIFIED RI, STATE, & LOCAL OFFICIALS.

\*\*\*\*\*

Power Reactor

Event # 23688

|                                       |           |  |   |
|---------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                   |           | Notification Date / Time: 06/20/1992 21:31 (EDT) |   |
| Unit: 1 2                             | Region: 5 | State : CA                                       | Event Date / Time: 06/20/1992 17:35 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP   |           | Last Modification: 06/21/1992                    |   |
| Containment Type: DRY AMB DRY AMB     |           |  |   |
| NRC Notified by: DYE                  |           | Notifications: TONY GODY RDO                     |   |
| HQ Ops Officer: JOHN MacKINNON        |           | JIM RICHARDSON EO                                |   |
| Emergency Class: UNUSUAL EVENT        |           | HERSKO FEMA                                      |   |
| 10 CFR Section:                       |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |           |  |   |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

BETWEEN 100 & 200 gallons OF SULFURIC ACID WAS SPILLED DURING CONDENSATE BED DEMINERALIZER REGENERATION, NOBODY INJURED.

PLANT EMPLOYEE WAS PERFORMING ROUTINE CONDENSATE BED DEMINERALIZER REGENERATION (PERFORMED EVERY 3 DAYS PER UNIT) WHEN HE ACCIDENTALLY OVERFLOWED THE SULFURIC ACID TANK & CAUSTIC TANK (SODIUM HYDROXIDE). APPROXIMATELY 100 TO 200 gallons OF SULFURIC ACID & SODIUM HYDROXIDE OVERFLOWED THE TANKS BEFORE THE ACID TRANSFER TO THE TANKS WAS SECURED. ALL THE SULFURIC ACID & SODIUM HYDROXIDE WHICH OVERFLOWED THEIR RESPECTIVE TANKS IS CONTAINED WITHIN THE CURVED AREA SURROUNDING THE TANKS (SODIUM HYDROXIDE & SULFURIC ACID CAME INTO CONTACT AND REACTED VIOLENTLY CAUSING AN ACID CLOUD TO FORM). NONE OF THE SPILLED MIXTURE OF SULFURIC ACID & SODIUM HYDROXIDE WAS PUMPED OUT OF THE SUMP LOCATED IN CURVED AREA SURROUNDING THE TWO TANKS. THE SPILLED MIXTURE PRODUCED AN ACID CLOUD WHICH IS PRECLUDING ACCESS TO THE POLISHER AREA AND ACCESS TO A CERTAIN AREA OF THE TURBINE BUILDING. LICENSEE SAID THAT ACCESS TO ALL SAFETY EQUIPMENT AND SAFETY EQUIPMENT AREAS ARE NOT AFFECTED BY THE ACID SPILL. NOBODY HAS INHALED THE ACID FUMES OR HAS COME INTO PHYSICAL CONTACT WITH THE ACID SPILL. CONCENTRATION OF SODIUM HYDROXIDE IS 93% AND THE CONCENTRATION OF THE SULFURIC ACID IS 50%. LICENSEE HAS CALLED THE CALIFORNIA DEPARTMENT OF FORESTRY, WHICH HAS A HAZARDOUS WASTE TEAM, TO AID THEM IN CLEANING UP THE ACID SPILL. LICENSEE SAID THAT THE ACID CLOUD IS DISSIPATING.

LICENSEE NOTIFIED STATE OFFICIALS, LOCAL OFFICIALS, & THE RESIDENT INSPECTOR OF THIS EVENT. LICENSEE ALSO SAID THAT A PRESS RELEASE ON THIS EVENT MIGHT BE ISSUED.

\*\*\*UPDATE 2332EDT BY HENERICKSON TAKEN BY MACKINNON\*\*\*

LICENSEE AND CALIFORNIA DEPARTMENT OF FORESTRY ARE PRESENTLY EVALUATING HOW TO CLEAN UP THE ACID SPILL. SPILL SHOULD BE CLEANED UP IN A FEW HOURS AFTER WHICH LICENSEE

Power Reactor

Event # 23688

WILL TERMINATE THE UNUSUAL EVENT.

\*\*\* UPDATE DATE/TIME:06/21/92 @ 0513 EDT FROM LICENSEE:HENERICKSON BY McGINTY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0210 PDT WHEN GENERAL ACCESS WAS RESTORED TO THE TURBINE BUILDING. FOUR SMALL AREAS OF ACID CONTAMINATION ARE STILL BEING CLEANED UP WITH THE ASSISTANCE OF THE CALIFORNIA DEPARTMENT OF FORESTRY. THESE AREAS HAVE BEEN CORDONED OFF. THE LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR. HOO NOTIFIED THE R5DO (GODY), FEMA (ROY) AND THE EO (RICHARDSON).

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Power Reactor

Event # 23748

|   |            |  |   |                 |            |                 |
|---|------------|--|---|-----------------|------------|-----------------|
| Site: VERMONT YANKEE                    |            | Notification Date / Time: 06/27/1992 20:05 (EDT) |   |                 |            |                 |
| Unit: 1                                 | Region: 1  | State : VT                                       | Event Date / Time: 06/27/1992 19:50 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4                  |            | Last Modification: 07/21/1992                    |   |                 |            |                 |
| Containment Type: MARK I                |            |  |   |                 |            |                 |
| NRC Notified by: BROOKS                 |            | Notifications: ROBERT BORES RDO                  |   |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN            |            | MARTIN VIRGILIO EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT          |            | WIDENER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                         |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS  |            |  |   |                 |            |                 |
| 50.72(b)(1)(ii)(B) OUTSIDE DESIGN BASIS |            |  |   |                 |            |                 |
| 50.72(b)(2)(iii)(B) POT RHR INOP        |            |  |   |                 |            |                 |
| 50.72(b)(2)(iii)(D) ACCIDENT MITIGATION |            |  |   |                 |            |                 |
| Unit                                    | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                       | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT WHEN ENTERING A TECH SPEC REQUIRED SHUTDOWN.

CONTROL ROOM OPERATORS RECEIVED A TROUBLE LIGHT INDICATING A LOSS OF DC POWER TO THE "1A" UNINTERRUPTIBLE POWER SUPPLY (UPS). A SURVEILLANCE OF AN ELECTRIC FIRE PUMP WAS IN PROGRESS AT THE TIME. THE LICENSEE BELIEVES THAT THE START OF THE FIRE PUMP POWERED FROM 480 VAC BUS #9 SOMEHOW RESULTED IN AN AC TRANSIENT THROUGH THE MCC TO "1A" UPS, CAUSING ITS DC SUPPLY BREAKER TO TRIP.

THE UPS DC POWER SUPPLY DRIVES A DC MOTOR GENERATOR IF THERE IS A LOSS OF NORMAL AC POWER WHICH DID NOT OCCUR IN THIS CASE. WITH THE "A" EDG DISASSEMBLED TO CORRECT JACKET COOLING PROBLEMS (7 DAY LCO A/S ENDS 0453 EDT ON 6/30/92) AND THE ALTERNATE POWER NOT AVAILABLE TO "1A" UPS, THE UNIT ENTERED A TECH SPEC REQUIRED SHUTDOWN WHICH REQUIRES A DECLARATION OF AN UNUSUAL EVENT.

ELECTRICIANS DISPATCHED TO INVESTIGATE THE TRIPPED DC POWER SUPPLY BREAKER VERIFIED THAT THERE WAS NO DAMAGE, CLOSED THE BREAKER THUS EXITING THE TECH SPEC A/S AND UNUSUAL EVENT. THE LICENSEE COMPLETED THE FIRE PROTECTION SURVEILLANCE AND IS CONTINUING THE INVESTIGATION INTO THE CAUSE OF THE BREAKER TRIP.

THE LICENSEE INFORMED THE STATES OF VERMONT, NEW HAMPSHIRE, MASSACHUSETTS AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 17:05 ON 7/21/92 FROM SILVA TAKEN BY SEBROSKY \*\*\*

UPON FURTHER EVALUATION OF THIS EVENT, THE LICENSEE HAS DETERMINED THAT THIS EVENT SHOULD ALSO HAVE BEEN REPORTABLE AS OUTSIDE THE DESIGN BASIS, RHR CAPABILITY, AND ACCIDENT MITIGATION, IN ADDITION TO BEING ORIGINALLY REPORTED AS AN UNUSUAL EVENT AND A TECH SPEC REQUIRED PLANT SHUTDOWN.

Power Reactor

Event # 23748

WITH THE "A" EDG INOPERABLE, ONE CORE SPRAY PUMP AND TWO LPCI PUMPS REMAINED OPERABLE. WITH THE SUBSEQUENT FAILURE OF THE "1A" UPS, ONLY ONE CORE SPRAY PUMP AND ONE LPCI PUMP WERE OPERABLE. THE DESIGN BASIS LINE BREAK REQUIRES TWO PUMPS (EITHER TWO LPCI, OR TWO CORE SPRAY, OR ONE LPCI/ONE CORE SPRAY) BE OPERABLE. THE DESIGN BASIS LINE BREAK COULD NOT BE MET IN THE ABOVE CASE SINCE THE DESIGN BASIS INVOLVES A LINE BREAK WHICH WOULD MAKE THE ONE REMAINING LPCI PUMP UNABLE TO INJECT (AND THUS INOPERABLE); THEREFORE, ONLY THE ONE CORE SPRAY PUMP WOULD HAVE BEEN OPERABLE.

THE LICENSEE WILL SUBMIT AN LER ON THIS EVENT. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND WILL ALSO INFORM THE PUBLIC SERVICE DEPARTMENT OF VERMONT.

HOO NOTIFIED R1DO (ANDERSON).

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Power Reactor

Event # 23749

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 06/28/1992 08:24 (EDT) |   |
| Unit: 1 2                           | Region: 5 | State : CA                                       | Event Date / Time: 06/28/1992 05:24 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 06/28/1992                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: LEMKE              |           | Notifications: KENNETH PERKINS RDO               |   |
| HQ Ops Officer: THOMAS ANDREWS      |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT      |           | JIM MUSE FEMA                                    |   |
| 10 CFR Section:                     |           | JIM RICHARDSON NRR                               |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | ED JORDAN AEOD                                   |   |
| 50.72(b)(1)(iii) EARTHQUAKE         |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AT APPROXIMATELY 0459 PDT, AN EARTHQUAKE WAS FELT IN THE CONTROL ROOM BY OPERATORS. THE PERSON MAKING THE NOTIFICATION SAID THAT LIGHTS SWAYED AND THAT LEVEL OSCILLATIONS WERE OBSERVED IN THE PRESSURIZER RELIEF TANK INDICATING THAT THE WATER IN THE TANK WAS MOVING AS A RESULT OF THE EARTHQUAKE.

SEISMIC ALARMS DID ACTUATE. THE LICENSEE IS CALLING IN PERSONNEL TO EVALUATE THE RESULTS FROM THE SEISMIC INSTRUMENTS.

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0524 PDT AS A RESULT OF THE EARTHQUAKE. SYSTEM WALK DOWNS ARE IN PROGRESS. THERE ARE NO IMMEDIATE INDICATIONS OF DAMAGE OR PROBLEMS.

NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS ARE BEING NOTIFIED.

HOO NOTE: ACCORDING TO INFORMATION FROM NEIC PROVIDED BY FEMA, THE EARTHQUAKE EPICENTER WAS LOCATED AT 34.2 DEGREES LATITUDE NORTH, 116.5 DEGREES LONGITUDE WEST, AND MEASURED APPROXIMATELY 7.4 ON THE RICHTER SCALE. THIS IS NEAR PALM SPRINGS, CA, AN ESTIMATED 257 MILES FROM DIABLO CANYON.

SEE EVENT NUMBERS 23750 AND 23751 FOR OTHER PLANTS AFFECTED BY THE EARTHQUAKE.

\*\*\*\* UPDATE 1227 EDT ON 06/28/92 BY ANDERSON TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 0925 PDT AFTER PERFORMING SYSTEM WALK DOWNS AND FINDING NO EVIDENCE OF DAMAGE OR PROBLEMS AS A RESULT OF THE EARTHQUAKE. BEST ESTIMATES OF GROUND ACCELERATION IS LESS THAN 0.01 G.

Power Reactor

Event # 23749

LICENSEE REPORTED THAT THEY HAVE NOT DETECTED ANY AFTER SHOCKS.

NRC RESIDENT INSPECTOR, STATE, AND LOCAL OFFICIALS WILL BE NOTIFIED OF THE TERMINATION OF THE UNUSUAL EVENT. A PRESS RELEASE IS EXPECTED.

HOO NOTIFIED R5DO(PERKINS), NRR(VIRGILIO) AND FEMA(MUSE).

\*\*\*\*\* COMMISSIONERS ASSISTANTS BRIEFING \*\*\*\*\*

TIME: 1300 EDT ON 06/27/92

BRIEFER: KEN PERKINS - REGION 5

NOTIFIED: AEOD (JORDAN, SPESSARD, WEISS), NRR (RICHARDSON),  
NRR (VIRGILIO), NMSS (HICKEY, COMBS), PA (KOPECK, NEWLIN),  
SP (KAMMERER), IP (UPSHAW), EDO (BATEMAN), SECY (BATES),  
CA (MADDEN), CURTISS' OFFICE (CONNAUGHTON),  
ROGERS' OFFICE (FLEISHMAN), SELIN'S OFFICE (CYR),  
REMICK'S OFFICE (GUTTMAN), DE PLANQUE'S OFFICE (MCKENNA)

PARTICIPATED: AEOD (JORDAN, SPESSARD, WEISS), NMSS (HICKEY), PA (KOPECK),  
NRR (RICHARDSON, VIRGILIO, BAGCHI), SP (KAMMERER),  
EDO (BATEMAN), SECY (BATES), CA (MADDEN),  
CURTISS' OFFICE (CONNAUGHTON), SELIN'S OFFICE (CYR),  
ROGERS' OFFICE (FLEISHMAN), REMICK'S OFFICE (GUTTMAN),  
DE PLANQUE'S OFFICE (MCKENNA), REGION 5 (GARCIA)

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Power Reactor

Event # 23750

|  |  |  |  |
|--|--|--|--|
| Site: SAN ONOFRE                       |  | Notification Date / Time: 06/28/1992 08:44 (EDT) |  |
| Unit: 1 2 3 Region: 5 State : CA       |  | Event Date / Time: 06/28/1992 05:02 (PDT)        |  |
| Reactor Type: [1] W-3-LP,[2] CE,[3] CE |  | Last Modification: 06/28/1992                    |  |
| Containment Type: DRY AMB DRY AMB      |  |  |  |
| NRC Notified by: RICHARDS/STEINKAMP    |  | Notifications: KENNETH PERKINS RDO               |  |
| HQ Ops Officer: THOMAS ANDREWS         |  | MARTIN VIRGILIO EO                               |  |
| Emergency Class: UNUSUAL EVENT         |  | JIM MUSE FEMA                                    |  |
| 10 CFR Section:                        |  | JIM RICHARDSON NRR                               |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |  | ED JORDAN AEOD                                   |  |
| 50.72(b)(1)(iii) EARTHQUAKE            |  |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 62         | Power Operation | 62         | Power Operation |
| 2    | N          | Yes     | 80         | Power Operation | 80         | Power Operation |
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE DECLARED UNUSUAL EVENT AT 0502 PDT AFTER A SEISMIC MONITOR TRIPPED DURING AN EARTHQUAKE. MONITOR TRIP SET POINT WAS 0.019 G INDICATING THAT GROUND MOTION EXCEEDED THE TRIP SET POINT.

THE LICENSEE HAS INITIATED SYSTEM WALK DOWNS AND HAS CALLED IN PERSONNEL TO EVALUATE INFORMATION FROM THEIR SEISMIC INSTRUMENTATION. THERE ARE NO IMMEDIATE REPORTS OF DAMAGES OR PROBLEMS.

AT THE REQUEST OF K. PERKINS (REGION 5), THE LICENSEE WILL CONDUCT A SPECIAL SURVEILLANCE ON THEIR UNIT 1 REFUELING WATER STORAGE TANK SINCE THERE IS A CONCERN INVOLVING CORROSION / WALL THINNING IN THIS TANK.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED BY THE LICENSEE. A PRESS RELEASE IS EXPECTED.

HOO NOTE: ACCORDING TO INFORMATION FROM NEIC PROVIDED BY FEMA, THE EARTHQUAKE EPICENTER WAS LOCATED AT 34.2 DEGREES LATITUDE NORTH, 116.5 DEGREES LONGITUDE WEST AND MEASURED APPROXIMATELY 7.4 ON THE RICHTER SCALE. THIS IS NEAR PALM SPRINGS, AN ESTIMATED 85 MILES FROM SAN ONOFRE.

SEE EVENT NUMBERS 23749 AND 23751 FOR REPORTS FROM OTHER PLANTS AFFECTED BY THE EARTHQUAKE.

\*\*\*\* UPDATE @ 1120 EDT ON 06/27/92 BY FLYNN TAKEN BY ANDREWS \*\*\*\*

AT 0806 PDT, THE PLANT EXPERIENCED AN AFTER SHOCK OF THE INITIAL EARTHQUAKE THAT ACTIVATED SEISMIC ALARMS. THE LICENSEE WILL CONTINUE TO PERFORM SYSTEM WALK DOWNS AND WILL CONTINUE TO ANALYZE THE RESULTS OF THE INITIAL EARTHQUAKE AS WELL AS THE

Power Reactor  
AFTER SHOCKS.

Event # 23750

PRELIMINARY ESTIMATES OF THE GROUND MOVEMENT FOR THE INITIAL EARTHQUAKE ARE IN THE RANGE OF .036 G. OPERATING BASIS EARTHQUAKE LIMIT IS .33 G.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS UPDATE.

\*\*\*\* UPDATE AT 1235 EDT ON 06/27/92 BY FLYNN TAKEN BY ANDREWS \*\*\*\*

CURRENT BEST ESTIMATE OF GROUND MOTION FOR THE FIRST EARTHQUAKE IS 0.038 G AND THE AFTER SHOCK WAS 0.042 G. THE LICENSEE IS IN THE PROCESS OF TRYING TO CLOSE OUT THE UNUSUAL EVENT. THE SURVEILLANCE OF THE UNIT 1 REFUELING WATER STORAGE TANK WAS COMPLETED SATISFACTORILY PRIOR TO THE AFTER SHOCK. THE SURVEILLANCE IS BEING REPERFORMED.

\*\*\*\*\* COMMISSIONERS ASSISTANTS BRIEFING \*\*\*\*\*

TIME: 1300 EDT ON 06/27/92

BRIEFER: KEN PERKINS - REGION 5

NOTIFIED: AEOD (JORDAN, SPESSARD, WEISS), NRR (RICHARDSON),  
NRR (VIRGILIO), NMSS (HICKEY, COMBS), PA (KOPECK, NEWLIN),  
SP (KAMMERER), IP (UPSHAW), EDO (BATEMAN), SECY (BATES),  
CA (MADDEN), CURTISS' OFFICE (CONNAUGHTON),  
ROGERS' OFFICE (FLEISHMAN), SELIN'S OFFICE (CYR),  
REMICK'S OFFICE (GUTTMAN), DE PLANQUE'S OFFICE (MCKENNA)

PARTICIPATED: AEOD (JORDAN, SPESSARD, WEISS), NMSS (HICKEY), PA (KOPECK),  
NRR (RICHARDSON, VIRGILIO, BAGCHI), SP (KAMMERER),  
EDO (BATEMAN), SECY (BATES), CA (MADDEN),  
CURTISS' OFFICE (CONNAUGHTON), SELIN'S OFFICE (CYR),  
ROGERS' OFFICE (FLEISHMAN), REMICK'S OFFICE (GUTTMAN),  
DE PLANQUE'S OFFICE (MCKENNA), REGION 5 (GARCIA)

\*\*\* UPDATE 1346 EDT 06/28/92 FROM FLYNN BY S.SANDIN \*\*\*

UE TERMINATED AT 1035 PDT AFTER COMPLETION OF SYSTEM WALKDOWNS. NO DAMAGE WAS OBSERVED. THE LICENSEE INFORMED OFFSITE AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R5DO(PERKINS), EO(VIRGILIO), AND FEMA(HERSKO).

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Power Reactor

Event # 23787

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: SEABROOK                    |           | Notification Date / Time: 07/03/1992 11:00 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NH                                       | Event Date / Time: 07/03/1992 10:39 (EDT) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 07/03/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: FREEMAN          |           | Notifications: KINNEMAN                          | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD    |           | CRAIG  | EO  |
| Emergency Class: UNUSUAL EVENT    |           | SIMMERS  | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(vi) FIRE (ONSITE)     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A FIRE ON SITE LASTING MORE THAN 10 MINS.

THIS OCCURRED WHEN A PORTABLE DIESEL DRIVEN AIR COMPRESSOR WAS REPORTED ON FIRE(AT 10:29) ADJACENT TO THEIR EMERGENCY COOLING TOWER. THE FIRE WAS EXTINGUISHED IN 11 MINS BY THEIR STATION FIRE BRIGADE(NO OFF SITE HELP WAS CALLED FOR ASSISTANCE). CAUSE OF THE FIRE IS UNKNOWN AND BEING INVESTIGATED. THE LICENSEE NOTIFIED THE STATES OF NEW HAMPSHIRE AND MASSACHUSETTS. THE NOUE WAS TERMINATED AT 10:40. THE RI WILL BE NOTIFIED.

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Power Reactor

Event # 23804

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: WASHINGTON NUCLEAR          |            | Notification Date / Time: 07/06/1992 08:57 (EDT) |   |                 |            |                 |
| Unit: 2                           | Region: 5  | State : WA                                       | Event Date / Time: 07/06/1992 05:05 (PDT) |                 |            |                 |
| Reactor Type: [2] GE-5            |            | Last Modification: 07/06/1992                    |   |                 |            |                 |
| Containment Type: MARK II         |            |  |   |                 |            |                 |
| NRC Notified by: MIKE MANN        |            | Notifications: DENNIS KIRSCH                     | RDO                                       |                 |            |                 |
| HQ Ops Officer: TIM McGINTY       |            | ERNIE ROSSI                                      | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | SIMMERS  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | M/R        | Yes  | 14  | Power Operation | 0          | Hot Shutdown    |

UE DECLARED AND MANUAL RX SCRAM FROM 14% DUE TO A SAFETY RELIEF VALVE STUCK OPEN FOR GREATER THAN TWO MINUTES.

WHILE TESTING THE RX PRESSURE VESSEL SAFETY RELIEF VALVES AFTER THE ANNUAL MAINTENANCE OUTAGE, VALVE "MS-RV-3B" WOULD NOT OPERATE FROM THE CONTROL ROOM PANEL. WHEN "MS-RV-3B" WAS SUBSEQUENTLY TESTED FROM AN ALTERNATE REMOTE CONTROL STATION, THE VALVE OPENED BUT FAILED TO RECLOSE. ANY ATTEMPTS LOCALLY OR REMOTELY TO CLOSE THE VALVE WERE UNSUCCESSFUL. THE RX WAS MANUALLY SCRAMMED AT 0458 PDT DUE TO THE SAFETY RELIEF VALVE BEING STUCK OPEN FOR GREATER THAN TWO MINUTES (PER TS 3.4.2 AND THE BASIS FOR THE UE DECLARATION). THE SRV SUBSEQUENTLY CLOSED BY ITSELF, AND WAS OPEN FOR A TOTAL OF TWO MINUTES AND 28 SECONDS.

THE UNUSUAL EVENT WAS TERMINATED AT 0548 PDT BASED ON THE SRV BEING CLOSED AND THE NORMAL TRIP RESPONSE.

THE PLANT RESPONSE TO THE TRIP WAS NORMAL, ALL RODS FULLY INSERTED INTO THE CORE AND THE PLANT IS CURRENTLY AT 500 PSIG AND STABLE. THE UNIT HAS 18 SRVs, 17 OF WHICH WERE SUCCESSFULLY TESTED FROM THE CONTROL ROOM. THE PLANT HAS THE ABILITY TO OPERATE 6 SRVs FROM REMOTE PANELS, AND HAD TESTED ALL VALVES SUCCESSFULLY. THE "MS-RV-3B" SRV WAS THE LAST VALVE TO BE TESTED. THE TURBINE WAS ON THE TURNING GEAR AT THE TIME OF THE EVENT, SO POWER IS STILL BEING SUPPLIED BY OFF-SITE SOURCES.

THE RESIDENT INSPECTOR WAS IN THE CONTROL ROOM AT THE TIME OF THE EVENT, AND THE LICENSEE WILL BE INFORMING STATE AND LOCAL GOVERNMENT AGENCIES AS WELL AS ISSUING A PRESS RELEASE.

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Power Reactor

Event # 23813

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: RIVER BEND                  |           | Notification Date / Time: 07/07/1992 22:16 (EDT) |   |
| Unit: 1                           | Region: 4 | State : LA                                       | Event Date / Time: 07/07/1992 20:52 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 07/07/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: NORRIS           |           | Notifications: LES CONSTABLE RDO                 |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | ASHOK THADANI EO                                 |   |
| Emergency Class: UNUSUAL EVENT    |           | DAMICO FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

- UE DUE TO POTENTIALLY CONTAMINATED CONTRACTOR TRANSPORTED TO HOSPITAL -

WITH THE PLANT DEFUELED, A CONTRACTOR FELL IN THE DRYWELL IN THE Rx BUILDING IN THE AREA OF THE BIOSHIELD INJURING HIS BACK. HEALTH PHYSICS TECHNICIANS WERE UNABLE TO COMPLETELY SURVEY THE CONTRACTOR. HEALTH PHYSICS TECHNICIANS ACCOMPANIED THE CONTRACTOR TO WEST FELICIANA HOSPITAL IN ST FRANCISVILLE, LA. LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2324 BY NORRIS ENTERED BY HOO JOLLIFFE \*\*\*

HEALTH PHYSICS TECHNICIANS DETERMINED CONTRACTOR WAS NOT CONTAMINATED. HOSPITAL X-RAYS SHOWED NO BROKEN BONES. LICENSEE TERMINATED THE UE AT 2132 (CDT). LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND WILL INFORM THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UE. HOO NOTIFIED R4DO CONSTABLE, NRR EO THADANI, FEMA DAMICO.

\*\*\*\*\*

Power Reactor

Event # 23838

|  |           |  |   |
|--|-----------|--|---|
| Site: WATERFORD                        |           | Notification Date / Time: 07/11/1992 08:19 (EDT) |   |
| Unit: 3                                | Region: 4 | State : LA                                       | Event Date / Time: 07/11/1992 07:03 (CDT) |
| Reactor Type: [3] CE                   |           | Last Modification: 07/12/1992                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: AL DODDS              |           | Notifications: JOHN PELLET RDO                   |   |
| HQ Ops Officer: STEVE SANDIN           |           | ASHOK THADANI EO                                 |   |
| Emergency Class: UNUSUAL EVENT         |           | LEROY HIRST FEMA                                 |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 94         | Power Operation |

AT 0703 CDT UNIT DECLARED AN UNUSUAL EVENT AND ENTERED A TECH SPEC REQUIRED SHUTDOWN DUE TO UNIDENTIFIED RCS LEAKAGE OF APPROXIMATELY 7.5 GPM.

AT 0620 CDT, THE LICENSEE OBSERVED AN INCREASE IN CONTAINMENT SUMP LEVEL WHICH CORRESPONDED TO A 7.5 GPM LEAK RATE. FURTHER INVESTIGATION SHOWED A SLIGHT INCREASE IN CONTAINMENT PRESSURE WITH A DECREASE IN VOLUME CONTROL TANK LEVEL. AT 0703 CDT AN UNUSUAL EVENT WAS DECLARED AND A SHUTDOWN COMMENCED DUE TO UNIDENTIFIED RCS LEAKAGE EXCEEDING THE 1 GPM LIMIT PER TS 3.4.5.2. RCS ACTIVITY IS 11 MICROCURIES WHICH IS WITHIN NORMAL LIMITS. THERE IS NO SAFETY EQUIPMENT OR OFFSITE POWER SUPPLIES OUT OF SERVICE AT THIS TIME. ALSO, NO INCREASE IN SECONDARY ACTIVITY HAS BEEN OBSERVED. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. FURTHER, LICENSEE PLANS A PRESS RELEASE.

AT 0845 EDT, THE LICENSEE IDENTIFIED THE SOURCE OF THE LEAKAGE AS A PRIMARY HOT LEG SAMPLE VALVE RC-104. THIS VALVE HAD BEEN REWORKED 3/27/92 FOLLOWING A SIMILAR OCCURRENCE (SEE EVENT #23091). LICENSEE WILL REMAIN IN THE UNUSUAL EVENT UNTIL THE UNIT ENTERS MODE 3 AT WHICH TIME THE LEAK WILL BE ISOLATED.

\*\*\*\* UPDATE AT 1923 EDT ON 07/11/92 BY BROWN TAKEN BY ANDREWS \*\*\*\*

THE PLANT IS CURRENTLY IN MODE 3, RCS TEMPERATURE IS 540 DEGREES F, RCS PRESSURE IS 1500 PSIA. THE LATEST LEAK RATE INDICATES THE IDENTIFIED LEAKAGE IS 0.0826 GPM AND THE UNIDENTIFIED LEAKAGE IS 7.9120 GPM.

THE LEAK RATE TECHNICAL SPECIFICATION IS APPLICABLE FOR MODES 1 THROUGH 4. SINCE THE LICENSEE IS NOT CURRENTLY COOLING DOWN TO COLD SHUTDOWN, THEY ARE REMAINING IN THE UNUSUAL EVENT UNTIL THE LEAK CAN BE REPAIRED OR THE LEAKAGE IDENTIFIED. THE LICENSEE CANNOT QUANTIFY HOW MUCH IS LEAKING THROUGH THE VALVE SINCE IT IS A MIXTURE OF WATER AND STEAM.

Power Reactor

Event # 23838

A REPAIR TEAM IS PREPARING TO ENTER CONTAINMENT TO FIX THE LEAKING VALVE. THE LICENSEE EXPECTS TO KNOW MORE ABOUT THE REPAIR EFFORTS IN THE NEXT COUPLE OF HOURS.

THE LICENSEE WAS ASKED BY THE HOO TO PROVIDE AN UPDATE IN ABOUT 3 HOURS.  
THE HOO NOTIFIED R4DO (PELLET), EO (THADANI), AEOD (WEISS)

\*\*\*\* UPDATE AT 2030 EDT ON 07/11/92 BY MESSINA TAKEN BY ANDREWS \*\*\*\*  
CONTAINMENT ENTRY IN PROGRESS. STILL IN MODE 3. LEAKAGE REMAINS THE SAME. NOTIFIED R4DO(PELLET) AND EO(THADANI).

\*\*\* UPDATE 0217EDT 07/12/92 FROM MORGAN BY S.SANDIN \*\*\*  
AT 2250CDT PRIMARY HOT LEG SAMPLE VALVE RC-104 WAS SHUT ISOLATING THE LEAK. A LEAK REPAIR WHICH INVOLVES INJECTING A SEALANT INTO THE CAVITY NORMALLY OCCUPIED BY THE PACKING RINGS WHICH HAD BEEN REMOVED PREVIOUSLY IN MARCH WAS COMPLETED AT 2400CDT. LICENSEE IS CURRENTLY PERFORMING RCS LEAK RATE DETERMINATION WHICH IS EXPECTED TO VERIFY THAT UNIDENTIFIED RCS LEAKAGE IS < 1 GPM, AT WHICH TIME THE UNIT WILL EXIT THE LCO A/S, TERMINATING THE UNUSUAL EVENT, AND RESTART. THE LEAK REPAIRED VALVE WILL REMAIN SHUT UNTIL FINAL REPAIRS CAN BE PERFORMED AT THE NEXT REFUELING OUTAGE SCHEDULED TO BEGIN 09/15/92. LICENSEE WILL DRAW RCS HOT LEG SAMPLES FROM THE PRESSURIZER SURGE LINE DURING THIS TIME PERIOD. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R4DO(PELLET) AND EO(THADANI).

\*\*\* UPDATE 0620EDT 07/12/92 FROM MORGAN BY S.SANDIN \*\*\*  
UE TERMINATED AT 0507CDT AFTER RCS LEAK RATE DETERMINED THAT UNIDENTIFIED LEAKAGE WAS .46 GPM. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R4DO(PELLET), EO(THADANI) AND FEMA(VELCHER).

\*\*\*\*\*

Power Reactor

Event # 23841

|                                |                      |  |   |
|--------------------------------|----------------------|--|---|
| Site: WASHINGTON NUCLEAR       |                      | Notification Date / Time: 07/11/1992 17:38 (EDT) |   |
| Unit: 2                        | Region: 5            | State : WA                                       | Event Date / Time: 07/11/1992 13:40 (PDT) |
| Reactor Type: [2] GE-5         |                      | Last Modification: 07/11/1992                    |   |
| Containment Type: MARK II      |                      |  |   |
| NRC Notified by: MARC REIS     |                      | Notifications: GREGG YUHAS                       | RDO                                       |
| HQ Ops Officer: THOMAS ANDREWS |                      | ASHOK THADANI                                    | EO  |
| Emergency Class: UNUSUAL EVENT |                      | EARLE  | FEMA                                      |
| 10 CFR Section:                |                      |  |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   |  |   |
| 50.72(b)(1)(i)(A)              | PLANT S/D REQD BY TS |  |   |
| 50.72(b)(2)(ii)                | RPS ACTUATION        |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | M/R        | Yes     | 14         | Startup         | 0          | Hot Shutdown    |

AN UNUSUAL EVENT WAS DECLARED AT 1340 PDT ON 07/11/92 AND TERMINATED AT 1407 PDT AFTER A SAFETY RELIEF VALVE STUCK OPEN DURING TESTING.

WHILE RETESTING SAFETY RELIEF VALVE MS-RV-3B, IT AGAIN FAILED TO CLOSE. [SEE EVENT NUMBER 23804 FOR SIMILAR OCCURRENCE.] THE LICENSEE REDUCED PRESSURE FROM 950 PSI TO 920 PSI, THEN TO 900 PSI IN AN ATTEMPT TO CLOSE THE VALVE. HOWEVER, BY THAT TIME, THE 2 MINUTE ALLOWED TIME HAD EXPIRED, REQUIRING THE OPERATOR TO MANUALLY SCRAM THE REACTOR.

THE SAFETY RELIEF VALVE CLOSED APPROXIMATELY 12 SECONDS AFTER THE REACTOR WAS MANUALLY SCRAMMED. ALL RODS FULLY INSERTED. ALL SYSTEMS FUNCTIONED AS REQUIRED. THERE WERE NO ABNORMAL REACTOR VESSEL LEVEL SWINGS AS A RESULT OF THE SAFETY RELIEF VALVE BEING STUCK OPEN. THE RESIDUAL HEAT REMOVAL SYSTEM WAS BEING USED FOR SUPPRESSION POOL COOLING AT THE TIME OF THE EVENT. THERE WAS NO NOTICEABLE LEVEL OR TEMPERATURE CHANGE IN THE SUPPRESSION POOL.

THE REACTOR IS NOW IN HOT SHUTDOWN. THE LICENSEE PLANS TO COOL DOWN TO COLD SHUTDOWN TO WORK ON THE SAFETY RELIEF VALVE.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS ANTICIPATED.

\*\*\*\*\*

Power Reactor

Event # 23854

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: LIMERICK                    |           | Notification Date / Time: 07/13/1992 19:27 (EDT) |   |
| Unit: 1                           | Region: 1 | State : PA                                       | Event Date / Time: 07/13/1992 19:10 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 07/14/1992                    |   |
| Containment Type: MARK II         |           |  |   |
| NRC Notified by: DELANEY          |           | Notifications: HAROLD GRAY                       | RDO                                       |
| HQ Ops Officer: GREG SCARFO       |           | ASHOK THADANI                                    | EO  |
| Emergency Class: UNUSUAL EVENT    |           | SHULL  | FEMA                                      |
| 10 CFR Section:                   |           | WEISS  | IRB                                       |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | SPESSARD   | AEOD                                      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 93         | Power Operation | 73         | Power Operation |

AT 1910EDT, AN NOUE WAS DECLARED DUE TO A FIRE AT REACTOR FEED PUMP (RFP) "B" WHICH LASTED FOR APPROXIMATELY 15 MINUTES. THE RFP WAS SECURED AND THE FIRE EXTINGUISHED. THE NOUE WAS TERMINATED AT 1952EDT.

AT 1910EDT, AN NOUE WAS DECLARED DUE TO AN OIL FIRE AT RFP "B". A FIRE BRIGADE WAS DISPATCHED TO THE PUMP, REACTOR POWER WAS REDUCED TO ABOUT 75%, AND THE PUMP WAS MANUALLY SECURED. THE FIRE WAS EXTINGUISHED APPROXIMATELY 15 MINUTES LATER. NO OUTSIDE ASSISTANCE WAS NECESSARY BUT STATE AND LOCAL AUTHORITIES WERE NOTIFIED. THE CAUSE OF THE FIRE IS CURRENTLY UNDER INVESTIGATION.

THE UNIT IS STABLE AT 73% REACTOR POWER AT THIS TIME. TWO OF THREE RFPs ARE AVAILABLE AND COULD SUPPORT OPERATIONS TO 85% REACTOR POWER. THE LICENSEE BELIEVES THAT THE UNIT DID NOT APPROACH THE INSTABILITY REGION DURING THE EVENT.

THE LICENSEE TERMINATED THE NOUE AT 1952EDT AFTER THE COMPLETION OF A SURVEY OF THE TURBINE BUILDING FOR ANY OTHER FIRES. THE PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY, CHESTER COUNTY, MONTGOMERY COUNTY, AND BERKS COUNTY WERE NOTIFIED. A PRESS RELEASE IS PROBABLE.

\*\*\* UPDATE 07/14/92 0043EDT FROM:HUTTON BY:SCARFO \*\*\*

PORTABLE VENTILATORS WERE UTILIZED TO DISPERSE THE SMALL AMOUNT OF SMOKE THAT RESULTED FROM THE FIRE. THE CAUSE OF THE FIRE IS STILL UNDER INVESTIGATION BUT INITIAL INDICATIONS ARE OF AN INSULATION FIRE. CARBON DIOXIDE WAS USED TO EXTINGUISH THE FIRE SUPPLEMENTED WITH SMALL AMOUNTS OF WATER TO LIMIT SMOLDERING. EXCESS WATER WAS COLLECTED IN TURBINE BUILDING FLOOR DRAINS.

\*\*\*\*\*

Power Reactor

Event # 23868

|  |           |  |   |
|--|-----------|--|---|
| Site: DRESDEN                            |           | Notification Date / Time: 07/15/1992 02:06 (EDT) |   |
| Unit: 3                                  | Region: 3 | State : IL                                       | Event Date / Time: 07/15/1992 00:50 (CDT) |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |           | Last Modification: 07/15/1992                    |   |
| Containment Type: MARK I                 |           |  |   |
| NRC Notified by: WOJTULEWICZ             |           | Notifications: RICHARD HAGUE RDO                 |   |
| HQ Ops Officer: DICK JOLLIFFE            |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT           |           | SIMMERS FEMA                                     |   |
| 10 CFR Section:                          |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |           |  |   |
| TECH SPEC LCO A/S                        |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 76         | Power Operation | 76         | Power Operation |

UE DECLARED DUE TO A LARGE QUANTITY OF FLAMMABLE MATERIAL PRESENT IN UNIT 3

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO APPROXIMATELY 500 GALLONS OF DIESEL FUEL OIL (FLAMMABLE LIQUID) SPILLING ONTO #3 EDG ROOM FLOOR FOR UNKNOWN REASONS TO A DEPTH OF LESS THAN 1 INCH. LICENSEE DECLARED THE #3 EDG INOPERABLE.

PLANT FIRE BRIGADE PERSONNEL ARE ON THE SCENE. THE #3 EDG ROOM IS EQUIPPED WITH A CARBON DIOXIDE SYSTEM.

LICENSEE IS TEST RUNNING THE BACKUP EDG (#2/3 WHICH IS SHARED WITH UNIT 2) IN ACCORDANCE WITH TECH SPEC LCO A/S 3.9.B.2.a TO VERIFY OPERABILITY. UNIT 2 EDG (#2) IS OPERABLE AND UNIT 2 IS UNAFFECTED BY THIS EVENT.

LICENSEE IS PUMPING THE FUEL OIL OUT OF THE #3 EDG ROOM VIA A FLOOR DRAIN TO A HOLDING TANK VIA AN OIL SEPARATING DEVICE.

LICENSEE HAS THE SITUATION TOTALLY UNDER CONTROL AND IS INVESTIGATING THE CAUSE OF THE SPILL.

LICENSEE NOTIFIED STATE OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE AT 07:10 FROM KORCHYNSKY TO GOULD\*\*\* THE LICENSEE SPECULATES THAT A DRAIN VALVE TO THE DAY TANK HAD BEEN OPENED IN AN ATTEMPT TO DRAIN SOME LEVELS DOWN IN ORDER TO RESET THE HIGH/LOW LEVEL ON THE ANNUNCIATOR IN THE CONTROL ROOM AND ON THE COMPLETION OF THIS TASK THE VALVE MAY HAVE BEEN INADVERTENTLY LEFT OPEN. THE LICENSEE IS TREATING THIS AS A HAZARDOUS SPILL DUE TO THE LEVELS OF BENZENE IN THE FUEL OIL. THE CONTRACTORS THAT WILL CLEAN UP THIS FUEL OIL ARE ON SITE AND WILL START THE JOB AT

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Power Reactor

Event # 23868

07:30EDT AND SHOULD TAKE APPROX 2 HRS TO COMPLETE. THE RI WILL BE NOTIFIED. THE OPERATIONS OFFICER NOTIFIED THE R3DO HAGUE.

\*\*\* UPDATE 07/15/92 2014EDT FROM:SCOTT BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1828CDT WHEN THE SPILL CLEANUP WAS COMPLETED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. FEMA(AUSTIN), R3DO(HAGUE), EO(ZECH) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23891

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: DRESDEN                            |            | Notification Date / Time: 07/17/1992 05:30 (EDT) |   |                 |            |                 |
| Unit: 2                                  | Region: 3  | State: IL  | Event Date / Time: 07/16/1992 08:30 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |            | Last Modification: 07/17/1992                    |   |                 |            |                 |
| Containment Type: MARK I                 |            |  |   |                 |            |                 |
| NRC Notified by: MOHR                    |            | Notifications: RICHARD HAGUE RDO                 |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE            |            | GARY ZECH EO                                     |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | EARL FEMA  |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |  |   |                 |            |                 |
| LICENSEE 24 HR REPORT                    |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | N          | Yes  | 45  | Power Operation | 45         | Power Operation |

-UE DUE TO TS REQUIRED SHUTDOWN DUE TO A FULL DRYWELL EQUIPMENT DRAIN SUMP-

DRESDEN UNIT 2 CONTAINMENT HAS 2 SUMPS OF THE SAME SIZE: A DRYWELL EQUIPMENT DRAIN SUMP (DEDS) AND A FLOOR DRAIN SUMP. THE DEDS IS REQUIRED TO BE PUMPED OUT EVERY 4 HOURS TO VERIFY DRYWELL LEAKAGE.

ON 07/16/92, LICENSEE DECLARED DEDS DISCHARGE VALVE #2001-5 (A CONTAINMENT ISOLATION VALVE) INOPERABLE SINCE THE VALVE SHOWED DUAL INDICATION (OPEN AND CLOSED LIGHTS WERE ILLUMINATED SIMULTANEOUSLY). LICENSEE CLOSED THE IN-SERIES VALVE #2001-6 PER TECH SPEC 3.7.

THUS, THE DEDS WAS NOT PUMPED OUT 0830 (CDT) ON 07/16/92, AS REQUIRED BY TECH SPEC 4.6.D.1.

LICENSEE REPAIRED THE #2001-5 VALVE, DECLARED IT OPERABLE, AND PUMPED THE DEDS OUT AT 0921 (CDT) ON 07/16/92.

AT 1215 (CDT) ON 07/16/92, THE #2001-5 VALVE DUAL INDICATION PROBLEM REOCCURRED AND LICENSEE AGAIN CLOSED VALVE #2001-6.

AT 1630 (CDT) ON 07/16/92, LICENSEE ENTERED A 24 HOUR SHUTDOWN LCO SINCE THEY COULD NOT PUMP THE DEDS. THE DEDS WAS NOT PUMPED OUT AT 1630 OR 2030 (CDT) ON 07/16/92 NOR AT 0030 OR 0430 (CDT) ON 07/17/92. WHEN THE DEDS IS FULL, IT OVERFLOWS INTO THE FLOOR DRAIN SUMP. LICENSEE THEN PUMPS OUT THE FLOOR DRAIN SUMP.

AT 0424 (CDT) ON 07/17/92, LICENSEE DECIDED TO SHUT UNIT 2 DOWN AND DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN. LICENSEE NOTIFIED STATE OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 23891

\*\*\* UPDATE AT 0720 ON 07/17/92 BY COYLE ENTERED BY HOO JOLLIFFE \*\*\*

AT 0547 (CDT) ON 07/17/92, LICENSEE REPAIRED THE #2001-5 VALVE, DECLARED IT OPERABLE, PUMPED THE DEDS OUT, AND TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND WILL NOTIFY STATE OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT. HOO NOTIFIED R3DO HAGUE, NRR EO ROSSI, AND FEMA EARL.

\*\*\*\*\*

Power Reactor

Event # 23911

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: COOK                          |           | Notification Date / Time: 07/18/1992 19:51 (EDT) |   |
| Unit: 1                             | Region: 3 | State : MI                                       | Event Date / Time: 07/18/1992 19:08 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 07/18/1992                    |   |
| Containment Type: ICE COND          |           |  |   |
| NRC Notified by: WOLLENSLEGEL       |           | Notifications: RICHARD HAGUE RDO                 |   |
| HQ Ops Officer: JOHN MacKINNON      |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT      |           | MUSE FEMA  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

LICENSEE DECLARED BOTH OF THEIR EDGs INOPERABLE FOR 31 MINUTES.

EDG "CD" IS TORN APART FOR ITS 18 MONTH MAINTENANCE CHECKOUT. EDG "AB" WAS DECLARED INOPERABLE WHEN ITS ESSENTIAL SERVICE WATER (ESW) SUPPLY WAS ISOLATED BECAUSE LICENSEE THOUGHT THAT THEY HAD A LEAK IN THE SYSTEM. LICENSEE FOUND THE ESW LEAK IN THEIR NON ESSENTIAL SERVICE WATER SYSTEM, ISOLATED THE NON ESSENTIAL SERVICE WATER SYSTEM AND THEN THEY UNISOLATED EDG "AB" ESW SYSTEM AT 1939EDT. UNUSUAL EVENT WAS TERMINATED AT 1939EDT WHEN EDG "AB" WAS DECLARED OPERABLE. A RUBBER EXPANSION JOINT IN THE NON ESSENTIAL WATER SYSTEM HAD RUPTURED. UNIT IS DEFUELED. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS.

LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR.

HOO NOTE: UNIT 2 WHILE IN A REFUELING OUTAGE EARLIER THIS YEAR DECLARED AN UNUSUAL EVENT DUE TO BOTH EDGs BEING INOPERABLE. SEE EVENT # 23209, 04/09/92.

\*\*\*\*\*

Power Reactor

Event # 23956

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: NORTH ANNA                    |           | Notification Date / Time: 07/29/1992 05:05 (EDT) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 07/29/1992 04:25 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 07/29/1992                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: PURVIS             |           | Notifications: JOHN POTTER RDO                   |   |
| HQ Ops Officer: DICK JOLLIFFE       |           | ALFRED CHAFFEE EO                                |   |
| Emergency Class: UNUSUAL EVENT      |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 95         | Power Operation | 95         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UE DUE TO A FIRE IN INTAKE STRUCTURE LASTING LONGER THAN 10 MINUTES -

AT 0415, AN ELECTRICAL FIRE STARTED IN THE INTAKE STRUCTURE OUTSIDE THE PLANT PROTECTED AREA AFFECTING 2 MCCs THAT SUPPLY POWER TO UNIT 1 CIRC WATER MOVs AND LUBE OIL COOLING WATER PUMPS FOR UNIT 1 AND UNIT 2 CIRC WATER PUMP MOTOR BEARINGS. CONTROL ROOM OPERATORS DEENERGIZED THE MCCs.

AT 0425, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A FIRE LASTING LONGER THAN 10 MINUTES.

AT 0431, THE PLANT FIRE BRIGADE PUT OUT THE FIRE WITH CARBON DIOXIDE AND LICENSEE TERMINATED THE UNUSUAL EVENT.

THERE WERE NO PERSONNEL INJURIES.

LICENSEE IS INVESTIGATING THE CAUSE OF THE FIRE.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF BOTH THE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 23971

|  |           |  |   |
|--|-----------|--|---|
| Site: COOPER                           |           | Notification Date / Time: 07/30/1992 19:16 (EDT) |   |
| Unit: 1                                | Region: 4 | State : NE                                       | Event Date / Time: 07/30/1992 17:30 (CDT) |
| Reactor Type: [1] GE-4                 |           | Last Modification: 08/01/1992                    |   |
| Containment Type: MARK I               |           |  |   |
| NRC Notified by: HITZEL                |           | Notifications: STETKA RDO                        |   |
| HQ Ops Officer: CHAUNCEY GOULD         |           | HOLAHAN EO                                       |   |
| Emergency Class: UNUSUAL EVENT         |           | ROY FEMA   |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(b)(1)(ii)(A) UNANALYZED COND OP  |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 70         | Power Operation |

THE LICENSEE HAS DETERMINED AFTER A DESIGN BASIS REVIEW THAT THEIR LOCA ANALYSIS IS INVALID AND THE PLANT IS OUTSIDE ITS CURRENT LICENSING BASIS.

THE FOLLOWING TEXT IS FROM A FAX TO THE OPERATIONS CENTER FROM THE LICENSEE.

"DURING ONGOING DESIGN BASIS REVIEW PROGRAM ACTIVITIES, CONCERNS ASSOCIATED WITH THE VALIDITY OF ASSUMPTIONS USED IN THE CURRENT LOCA ANALYSIS WERE IDENTIFIED. SPECIFICALLY, UNDER LOCA CONDITIONS WITH A LOSS OF OFFSITE POWER, THE MOST LIMITING SINGLE FAILURE HAD BEEN IDENTIFIED TO BE FAILURE OF ONE OF THE TWO LPCI SUBSYSTEM INJECTION VALVES TO OPEN. HOWEVER, SEVERAL FAILURE MODES OF THE 125 VDC SYSTEM HAVE RECENTLY BEEN IDENTIFIED WHICH RESULT IN MORE SEVERE LOCA ANALYSIS RESULTS. SPECIFICALLY, LOSS OF ONE OF THE TWO 125 VDC BUSES RESULTS IN LOSS OF:

- 1) THE DIVISIONAL LPCI PUMPS
- 2) ONE LPCI SUBSYSTEM INJECTION VALVE
- 3) ONE CORE SPRAY PUMP
- 4) ONE RECIRC PUMP DISCHARGE VALVE
- 5) ONE DIESEL GENERATOR

DUE TO THE INCORRECT IDENTIFICATION OF THE MOST LIMITING SINGLE FAILURE, THE EXISTING CNS LOCA ANALYSIS IS INVALID AND THE PLANT IS OUTSIDE OF ITS CURRENT LICENSING BASIS.

AN EVALUATION OF CORE STANDBY COOLING SYSTEM PERFORMANCE USING THE CURRENT APPROVED APPENDIX MODEL IS BEING PERFORMED BY GENERAL ELECTRIC COMPANY. THIS EVALUATION IS BEING PERFORMED TO DETERMINE THE THERMAL POWER LIMIT BELOW WHICH PLANT OPERATION COULD BE CONTINUED SUCH THAT COMPLIANCE WITH 10CFR50.46 CRITERIA WOULD BE ACHIEVED.

Power Reactor

Event # 23971

THIS CONDITION WAS DETERMINED REPORTABLE 5:10 PM. AT 5:30 PM, A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED AND A POWER REDUCTION WAS INITIATED. THE POWER REDUCTION IS BEING CONTINUED AT APPROXIMATELY 100 MWe PER HOUR TO REACH HOT SHUTDOWN WITHIN 6 HOURS. IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS, DEFINITION J, COLD SHUTDOWN CONDITIONS WILL BE ACHIEVED WITHIN THE NEXT 30 HOURS. MEANWHILE, NRC REGION IV OFFICIALS ARE BEING CONTACTED TO DISCUSS THE UNANALYZED CONDITION AND THE DISTRICTS ACTIONS IN RESPONSE TO THIS SITUATION."

THE RI WILL BE NOTIFIED AND BOTH STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\*UPDATE AT 22:46 TO GOULD BY REEVES\*\*\* AN EVALUATION PERFORMED BY GE HAS RESULTED IN DETERMINING THAT THE MAXIMUM POWER LEVEL WHERE COMPLIANCE WITH THE REQUIREMENTS OF 10CFR50.46 IS ASSURED IS <75% OF RATED(2381MWt) POWER. AT APPROXIMATELY 20:00 CT, PLANT POWER WAS REDUCED TO 55%(415MWe). CURRENT PLANS ARE TO CURTAIL ANY FURTHER POWER REDUCTIONS AND INSTEAD, IDENTIFY AND ESTABLISH COMPENSATORY MEASURES TO BE IMPLEMENTED IN THE UNLIKELY EVENT OF A LOCA WITH CONCURRENT LOSS OF ONE OF THE TWO 125 VDC BUSES. THIS IS CONSISTENT WITH THE PROPOSED PLANS DISCUSSED EARLIER THIS EVENING BETWEEN NPPD MANAGEMENT AND NRC REGION IV AND NRR OFFICIALS. UNTIL COMPENSATORY MEASURES ARE IN PLACE AND THE EVALUATION PERFORMED BY GE HAS BEEN APPROVED BY THE STATION OPERATIONS REVIEW COMMITTEE, THE TECHNICAL SPECIFICATION REQUIREMENT TO BE IN HOT SHUTDOWN WITHIN 6 HOURS(BY 23:10CT) WILL CONTINUE TO APPLY AND THE NOUE WILL REMAIN IN EFFECT. THE RI WILL BE INFORMED. NOTIFIED R4DO STETKA & EO HOLAHAN.

\*\*\*UPDATE AT 23:43 TO GOULD FROM HITZEL\*\*\* THE NOUE WAS TERMINATED AT 22:30CT DUE TO STATION OPERATIONS REVIEW COMMITTEE APPROVAL OF THE EVALUATION PERFORMED BY GE AND THE ESTABLISHMENT OF COMPENSATORY MEASURES TO BE TAKEN IN THE EVENT OF A LOCA AND CONCURRENT LOSS OF ONE OF THE TWO 125 VDC BUSES. CURRENT PLANS ARE TO LIMIT POWER BELOW 75%. THE RI WILL BE INFORMED AND STATE AND LOCAL AGENCIES HAVE BEEN INFORMED. NOTIFIED R4DO STEAK, EO HOLAHAN, & FEMA AUSTIN.

\*\*\*UPDATE AT 2040 ON 08/01/92 TO GOULD FROM HAZEL\*\*\* AT 19:00CT THE PLANT MANAGER ISSUED SPECIAL ORDER 9204 REV 1(COMPENSATORY MEASURES DURING POWER DERATE). THIS CHANGE IS DUE TO UPDATED INFORMATION FROM GE WHICH CHANGED THE POWER DERATE LIMIT TO 0.81 X THE CURRENT MAPLHGR LIMIT AND 0.81 X THE CURRENT SINGLE LOOP MAPLHGR LIMIT. SPECIAL ORDER 9204 FURTHER LIMITED CMAPR TO < OR = 0.80 AND SINGLE LOOP < OR = 0.60. CMAPR = MAPLHGR/MAPLHGR LIMIT FOR HIGHEST RATIO OF THE CORE. THE VALUE OBTAINED IN THIS ANALYSIS WOULD NOT BE AS LIMITING AS THEIR INTERIM CALCULATIONS HAD SUGGESTED EARLIER. THE PLANT IS CURRENTLY AT 59% POWER. THE RI WILL BE INFORMED. R4DO(STETKA) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23981

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CALVERT CLIFFS              |           | Notification Date / Time: 07/31/1992 20:00 (EDT) |   |
| Unit: 2                           | Region: 1 | State : MD                                       | Event Date / Time: 07/31/1992 19:48 (EDT) |
| Reactor Type: [1] CE,[2] CE       |           | Last Modification: 08/02/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: MARKS            |           | Notifications: CONTE RDO                         |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | HOLAHAN EO                                       |   |
| Emergency Class: UNUSUAL EVENT    |           | BAGWELL FEMA                                     |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE ENTERED AN NOUE DUE TO THE LOSS OF BOTH PRIMARY AND SECONDARY METHODS FOR MONITORING METEOROLOGICAL DATA.

THIS CONDITION PUTS THEM IN TS ACTION STATEMENT 3.3.3.4 ACTION "A" WHICH REQUIRES THE LICENSEE TO SUBMIT A SPECIAL REPORT TO THE COMMISSION PURSUANT TO TS 6.9.2 WITHIN THE NEXT 10 DAYS IF ONE OR MORE OF THESE SYSTEMS IS INOP FOR MORE THAN 7 DAYS. THE PROBLEM WITH THE SYSTEM IS BEING INVESTIGATED.

ALL SAFETY EQUIPMENT IS OPERABLE. THERE ARE NO RAD RELEASES IN PROGRESS. THE RI WILL BE NOTIFIED, AND STATE AND LOCAL AGENCIES HAVE BEEN INFORMED.

\*\*\* UPDATE 08/01/92 2343EDT FROM:FREDGE BY:SCARFO \*\*\*

THE LICENSEE TERMINATED THE NOUE AT 2325EDT WHEN AN INTERIM HUMAN/TELEPHONE DATA LINK WAS ESTABLISHED TO TRANSFER METEOROLOGICAL DATA FROM OFFSITE METEOROLOGICAL INSTRUMENTATION TO A LOCAL COMPUTER ONSITE. AN INVESTIGATION OF THE INITIAL FAILURE INDICATED THAT A DATA LINK BETWEEN THE METEOROLOGICAL INSTRUMENTATION AND THE LOCAL COMPUTER HAD FAILED. REPAIRS OF THE PERMANENT DATA LINK ARE IN PROGRESS AND SHOULD BE COMPLETED BY EARLY NEXT WEEK. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R1DO (CONTE), EO(HOLAHAN) AND FEMA(HERSKO) HAVE BEEN NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 23982

|                                       |                      |   |  |                        |                   |                        |
|---------------------------------------|----------------------|---|--|------------------------|-------------------|------------------------|
| <b>Site:</b> PERRY                    |                      | <b>Notification Date / Time:</b> 08/01/1992 10:08 (EDT) |  |                        |                   |                        |
| <b>Unit:</b> 1                        | <b>Region:</b> 3     | <b>State :</b> OH                                       | <b>Event Date / Time:</b> 08/01/1992 09:40 (EDT) |                        |                   |                        |
| <b>Reactor Type:</b> [1] GE-6         |                      | <b>Last Modification:</b> 08/01/1992                    |  |                        |                   |                        |
| <b>Containment Type:</b> MARK III     |                      |   |  |                        |                   |                        |
| <b>NRC Notified by:</b> ELLIOTT       |                      | <b>Notifications:</b> GEOFFREY WRIGHT RDO               |  |                        |                   |                        |
| <b>HQ Ops Officer:</b> GREG SCARFO    |                      | GARY HOLAHAN EO   |  |                        |                   |                        |
| <b>Emergency Class:</b> UNUSUAL EVENT |                      | AUSTIN FEMA   |  |                        |                   |                        |
| <b>10 CFR Section:</b>                |                      |   |  |                        |                   |                        |
| 50.72(a)(1)(i)                        | EMERGENCY DECLARED   |   |  |                        |                   |                        |
| 50.72(b)(1)(v)                        | ENS INOPERABLE       |   |  |                        |                   |                        |
| 50.72(b)(1)(v)                        | OTHER ASMT/COMM INOP |   |  |                        |                   |                        |
| <b>Unit</b>                           | <b>Scram Code</b>    | <b>RX Crit</b>  | <b>Init Power</b>                                | <b>Initial RX Mode</b> | <b>Curr Power</b> | <b>Current RX Mode</b> |
| 1                                     | N                    | Yes   | 100  | Power Operation        | 100               | Power Operation        |

AT 0940EDT, AN NOUE WAS DECLARED AND TERMINATED DUE TO THE LOSS OF TELEPHONE COMMUNICATIONS CAPABILITY (INCLUDING DEDICATED LINES TO STATE AND LOCAL AUTHORITIES) FOR APPROXIMATELY FIVE MINUTES DURING PLANNED MAINTENANCE OF THE SYSTEM.

THE LOSS OF TELEPHONE COMMUNICATIONS CAPABILITY WAS DUE TO A LOOSE CONNECTION RESULTING IN TEMPORARY LOSS OF A BACKUP POWER SUPPLY TO THE SYSTEM. ALL PHONE CAPABILITY WAS LOST FROM 0905EDT TO 0910EDT WHEN THE CONNECTION WAS REPAIRED AND POWER RESTORED. NO OTHER PLANT SYSTEMS WERE AFFECTED BY THE LOSS OF POWER. THE MICROWAVE COMMUNICATION SYSTEM REMAINED OPERABLE THROUGHOUT THE EVENT. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. A PRESS RELEASE IS POSSIBLE.

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Fuel Cycle Facility

Event # 23986

|   |                         |  |      |
|---|-------------------------|--|------|
| Facility: SEQUOYAH FUELS CORPORATION      |                         | Notification Date / Time: 08/03/1992 17:35 (EDT) |      |
| Licensee: SEQUOYAH FUELS CORPORATION      |                         | Event Date / Time: 08/02/1992 12:40 (CDT)        |      |
| Fac Type: URANIUM HEXAFLUORIDE PRODUCTION |                         | Last Modification: 08/03/1992                    |      |
| Region: 4                                 |                         | Docket #: 04008027                               |      |
| City: GORE                                |                         | Agreement State: No                              |      |
| County: EAST SEQUOYAH                     |                         | License #: SUB-1010                              |      |
| State: OK                                 |                         |  |      |
| NRC Notified by: ROBERT MILLER            |                         | Notifications: PHILIP WAGNER                     | RDO  |
| HQ Ops Officer: TIM McGINTY               |                         | JOHN GLENN                                       | EO   |
| Emergency Class: UNUSUAL EVENT            |                         | BAGWELL  | FEMA |
| 10 CFR Section:                           |                         |  |      |
| 40.60(b)(1)                               | UNPLANNED CONTAMINATION |  |      |
| 50.72(a)(1)(i)                            | EMERGENCY DECLARED      |  |      |

THE LICENSEE REPORTED THAT CONTAMINATION ABOVE SEQUOYAH FUELS CORPORATION (SFC) ADMINISTRATIVE LIMITS WAS IDENTIFIED AS A RESULT OF BELLOWS FAILURES AT THE #2 AND #5 FLUORINATION TOWERS ON 08/02/92. THE #5 TOWER AREA WAS POSTED BY HEALTH AND SAFETY PERSONNEL AS A TEMPORARY CONTROLLED ACCESS AREA AT APPROXIMATELY 1240 CDT ON 08/02/92, WITH THE POSTING AREA INCREASED TO INCLUDE THE #2 TOWER AT 1535 CDT. THE FAILURE OF THE #2 TOWER BELLOWS WAS ALSO CONSIDERED TO BE AN UNUSUAL EVENT, WHICH WAS TERMINATED AT 1552 CDT ON 08/02/92, WHEN THE #2 TOWER WAS SHUT DOWN.

THE BELLOWS FAILURES WERE BOTH DESCRIBED AS "PINHOLE LEAKS", WITH THE #2 TOWERS BEING DECLARED AN UNUSUAL EVENT DUE TO HIGHER CONTAMINATION LEVELS. CURRENTLY, ALL 5 TOWERS ARE SHUT-DOWN AND POSTED TO REQUIRE FULL-FACE RESPIRATORY PROTECTION. SINCE THE POSTING IS EXPECTED TO REMAIN IN EFFECT FOR GREATER THAN 24 HOURS, THE EVENT WAS REPORTED PURSUANT TO 10 CFR 40.60(b)(1).

THE CONTAMINATION IDENTIFIED IN THE TOWER AREAS IS WITHIN THE RESTRICTED AREA OF THE SFC FACILITY, LOCATED AT THE INTERSECTION OF HIGHWAY 10 AND INTERSTATE 40 IN GORE, OKLAHOMA. THE ISOTOPE INVOLVED IS NATURAL URANIUM. IT IS PRESENT AS URANYL FLUORIDE IN SOLID FORM. THE MAXIMUM REMOVABLE CONTAMINATION IDENTIFIED IS AS FOLLOWS:

ALPHA REMOVABLE: 6,000 dpm/100 sq. cm  
BETA/GAMMA: 30,000 dpm/100 sq. cm

THE SFC HEALTH AND SAFETY STAFF IS EVALUATING THE SITUATION TO DETERMINE IF THIS EVENT HAS CONTRIBUTED IN ANY MEASURABLE WAY TO THE EXPOSURE OF PERSONNEL OR THE PUBLIC. THE LICENSEE INFORMED REGION IV (CAIN) AND AN ON-SITE NRC INSPECTOR (P. GARCIA).

\*\*\*\*\*

Power Reactor

Event # 24003

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: NORTH ANNA                    |            |           |            | Notification Date / Time: 08/06/1992 08:12 (EDT) |            |   |
| Unit: 2                             |            | Region: 2 |            | State : VA                                       |            | Event Date / Time: 08/06/1992 07:51 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |            |           |            | Last Modification: 08/06/1992                    |            |   |
| Containment Type: DRY SUB           |            |           |            |  |            |   |
| NRC Notified by: BLANCHARD          |            |           |            | Notifications: SANDY LAWYER                      |            | RDO                                       |
| HQ Ops Officer: JEFF HAROLD         |            |           |            | ERNIE ROSSI                                      |            | EO  |
| Emergency Class: UNUSUAL EVENT      |            |           |            | BAGWELL  |            | FEMA                                      |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| 50.72(b)(1)(iv) ECCS INJECTION      |            |           |            |  |            |   |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |           |            |  |            |   |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | A/R        | Yes       | 100        | Power Operation                                  | 0          | Hot Standby                               |

UNUSUAL EVENT DECLARED FOLLOWING A SAFETY INJECTION AND REACTOR TRIP FROM 100% POWER DUE TO CLOSURE OF ONE MAIN STEAM ISOLATION VALVE.

THE "C" MSIV CLOSED CAUSING A SAFETY INJECTION (SI) SIGNAL ON LOW STEAM LINE PRESSURE COINCIDENT WITH HIGH STEAM FLOW. THIS RESULTED IN A REACTOR TRIP FROM 100% POWER, THE ISOLATION OF MSIVs "A" AND "B", AND THE INITIATION OF HIGH HEAD SAFETY INJECTION INTO THE RCS CAUSING PRESSURIZER (PZR) LEVEL TO INCREASE PASSING WATER THROUGH THE PZR POWER OPERATED RELIEF VALVE INTO THE PZR RELIEF TANK. THE SI PUMPS INJECTED THE CONTENTS OF THE BORON INJECTION TANK (900 GALLONS) AND FLOW WAS SECURED AFTER THIRTEEN MINUTES.

ALL RODS INSERTED PROPERLY. ALL ECCS SYSTEMS FUNCTIONED AS REQUIRED AND THE DIESEL GENERATORS STARTED BUT DID NOT LOAD. NO PRIMARY SYSTEM SAFETY VALVES OR SG SAFETY VALVES LIFTED. THE AUXILIARY FEEDWATER SYSTEM AUTO STARTED TO SUPPLY THE STEAM GENERATORS AND DECAY HEAT IS BEING REMOVED USING THE ATMOSPHERIC DUMP VALVES. THE PLANT HAS STABILIZED AT 2235 PSI AND 547 DEGREES F.

THE LICENSEE INFORMED STATE, LOCAL AUTHORITIES AND NRC RESIDENT INSPECTOR.

\*\*\* UPDATE ON 08/06/92 AT 0854 BY BLANCHARD TO HAROLD \*\*\*

UNUSUAL EVENT TERMINATED AT 0850EDT. LICENSEE INFORMED STATE, LOCAL AUTHORITIES AND NRC RESIDENT INSPECTOR. EO(ROSSI), R2DO(LAWYER) AND FEMA(DEPUY) WERE NOTIFIED.

\*\*\*HOO NOTE: THIS EVENT IS SIMILAR TO AN EVENT WHICH OCCURRED AT UNIT 1 ON 08/08/91, EVENT #21571.

\*\*\*\*\*

Power Reactor

Event # 24011

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: LASALLE                     |           | Notification Date / Time: 08/07/1992 13:15 (EDT) |   |
| Unit: 1 2                         | Region: 3 | State : IL                                       | Event Date / Time: 08/07/1992 12:00 (CDT) |
| Reactor Type: [1] GE-5,[2] GE-5   |           | Last Modification: 08/07/1992                    |   |
| Containment Type: MARK II MARK II |           |  |   |
| NRC Notified by: DOWD             |           | Notifications: DICK HAGUE RDO                    |   |
| HQ Ops Officer: JOSEPH SEBROSKY   |           | ERNIE ROSSI EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | BOB CALDWELL FEMA                                |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(v) ENS INOPERABLE     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 89         | Power Operation | 89         | Power Operation |
| 2    | N          | Yes     | 99         | Power Operation | 99         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO LOSS OF COMMERCIAL PHONE SERVICE, ENS PHONE SERVICE AND THE NUCLEAR ACCIDENT REPORTING SYSTEM (NARS) PHONE. THE NARS PHONE IS USED TO NOTIFY LOCAL AUTHORITIES.

THE LICENSEE LOST THE ABOVE PHONE SERVICES AT APPROXIMATELY 12:00 AND DECLARED AN UNUSUAL EVENT AT THAT TIME. THE CAUSE OF THE PROBLEM IS BEING INVESTIGATED AT THIS TIME. COMMUNICATIONS TO THE FACILITY ARE AVAILABLE THROUGH A MICROWAVE LINK VIA THE LOAD DISPATCHER.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. THE LICENSEE WILL ALSO INFORM THE ILLINOIS EMERGENCY MANAGEMENT AGENCY AND THE ILLINOIS DEPARTMENT OF NUCLEAR SAFETY.

\*\*\* UPDATE AT 14:40 8/7/92 FROM DOWD TAKEN BY SEBROSKY \*\*\*

THE CAUSE OF THE PROBLEM HAS BEEN IDENTIFIED AS A CABLE SPLIT AT THE ILLINOIS BELL SENECA STATION. NO ESTIMATE FOR TIME TO REPAIR THE PROBLEM IS AVAILABLE AT THIS TIME. R3DO (JACKIW) AND EO (ROSSI) NOTIFIED.

\*\*\* UPDATE AT 16:12 8/7/92 FROM FORD TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 15:00 CDT DUE TO REPAIR OF THE PROBLEM. THE LICENSEE HAS NOTIFIED THE RESIDENT INSPECTOR. HOO NOTIFIED R3DO (JACKIW), EO (ROSSI) AND FEMA (MOSTELLER).

\*\*\*\*\*

Power Reactor

Event # 24044

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WASHINGTON NUCLEAR          |           | Notification Date / Time: 08/13/1992 23:36 (EDT) |   |
| Unit: 2                           | Region: 5 | State : WA                                       | Event Date / Time: 08/13/1992 19:40 (PDT) |
| Reactor Type: [2] GE-5            |           | Last Modification: 08/25/1992                    |   |
| Containment Type: MARK II         |           |  |   |
| NRC Notified by: LANGDON          |           | Notifications: JAMES REESE                       | RDO                                       |
| HQ Ops Officer: GREG SCARFO       |           | ERNIE ROSSI                                      | EO  |
| Emergency Class: UNUSUAL EVENT    |           | WRIGHT   | FEMA                                      |
| 10 CFR Section:                   |           | ROSS   | AEOD                                      |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | BROCKMAN   | IRB                                       |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 50         | Power Operation |

AT 1940 PDT, AN NOUE WAS DECLARED DUE TO EXCESSIVE UNIDENTIFIED LEAKAGE OF GREATER THAN 5 GPM AS MEASURED IN THE DRYWELL SUMP. A PLANT SHUTDOWN HAS BEEN INITIATED AND IS PROCEEDING TO HOT STANDBY. A CONTAINMENT ENTRY IS PLANNED TO DETERMINE THE SOURCE OF THE LEAKAGE.

AT 1855 PDT, A NORMAL, CONTROLLED PLANT SHUTDOWN WAS INITIATED WHEN UNIDENTIFIED LEAKAGE INCREASED TO THE TECHNICAL SPECIFICATION (T/S) LIMIT OF 5 GPM. AT 1940 PDT, AN NOUE WAS DECLARED DUE TO UNIDENTIFIED LEAKAGE GREATER THAN 5 GPM. THE MAXIMUM LEAKAGE WAS APPROXIMATELY 5.1 GPM AS MEASURED BY THE DRYWELL FLOOR DRAIN SUMP MONITOR. THE SOURCE OF THE LEAKAGE MUST BE DETERMINED, HOWEVER, AN ISOTOPIC ANALYSIS CONFIRMS THAT THE LEAKAGE IS REACTOR COOLANT. THE LEAKAGE IS BEING COLLECTED IN THE RAD WASTE SYSTEM.

AT THE TIME OF THE INITIAL NOTIFICATION, REACTOR POWER WAS 50% AND THE LEAK RATE WAS APPROXIMATELY 2.8 GPM. NO ECCS OR ENGINEERED SAFETY FEATURES (ESF) ACTUATIONS HAVE OCCURRED. ALL SAFETY EQUIPMENT REMAINS FULLY OPERABLE AND REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM IS AVAILABLE. WHEN THE UNIT REACHES HOT STANDBY, A CONTAINMENT ENTRY IS PLANNED TO DETERMINE THE SOURCE OF THE LEAKAGE.

ELEVATED RADIATION LEVELS (1E4 CPS) HAVE BEEN REGISTERED BY THE CONTAINMENT PARTICULATE MONITORS. NO OTHER RADIATION MONITORS ARE READING ELEVATED LEVELS. NO POTENTIAL FOR RADIATION RELEASE EXISTS AT THIS TIME. HOWEVER, THERE MAY BE A MONITORED RADIATION RELEASE WHEN CONTAINMENT IS VENTILATED TO DE-INERT IN PREPARATION FOR ENTRY.

THE UNIT HAS ENTERED T/S 3.4.3.2.b (RCS LEAKAGE > 5 GPM; 4 HOUR LCO) & 3.4.3.2.c (RCS LEAKAGE INCREASE > 2 GPM IN 4 HOURS; 4 HOUR LCO) ACTION STATEMENTS. THE CRITERIA FOR TERMINATING THE NOUE IS TO IDENTIFY THE SOURCE OF THE LEAK AND REDUCE IT BELOW THE 5

Power Reactor

Event # 24044

GPM T/S LIMIT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE OF WASHINGTON, BENTON COUNTY EMERGENCY, AND THE DEPARTMENT OF ENERGY WERE NOTIFIED. THERE WILL BE A PRESS RELEASE.

\*\*\* UPDATE @ 0600 EDT FROM SINGER BY McGINTY \*\*\*

THE TURBINE IS OFF-LINE WITH RX POWER AT ABOUT 10%. THE LICENSEE IS DE-INERTING CONTAINMENT IN PREPARATION TO MAKE A DRYWELL ENTRY TO DETERMINE THE UNIDENTIFIED LEAKAGE SOURCE. THE UE IS ONGOING, AND THE LICENSEE ESTIMATES BEING ABLE TO ENTER CONTAINMENT AT ABOUT 0500 PDT. ONCE FOUND, THE PLANT MAY REMAIN AT POWER IF THE SOURCE OF THE LEAK IS NOT THROUGH AUSTENETIC STAINLESS STEEL AND CAN BE CORRECTED (OTHERWISE THE PLANT MUST BE IN HOT SHUTDOWN AT 1119 PDT). THE LEAK RATE REMAINS AT 2.8 GPM. THE IDENTIFIED LEAKAGE LIMIT IS 25 GPM PER TECH SPECS. HOO NOTIFIED R5DO (REESE) & EO (ROSSI).

\*\*\*UPDATE AT 08/14/92 1222 EDT BY A WOOD TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0858 PDT WHEN LEAKAGE SOURCE WAS IDENTIFIED COMING FROM RWCU VALVE PACKING. LICENSEE MADE A CONTAINMENT ENTRY AND DETERMINED LEAKAGE SOURCE WAS A PACKING ON VALVE RWCU-V-103 (REACTOR VESSEL HEAD DRAIN LINE). SOURCE OF LEAKAGE HAS BEEN IDENTIFIED SO LEAKAGE IS NO LONGER CONSIDERED UNIDENTIFIED LEAKAGE. LEAK RATE IS DOWN TO 2 GPM. PRESENTLY LICENSEE IS DETERMINING IF THEY CAN REPLACE THE PACKING AT THEIR CURRENT POWER LEVEL OF 5% OR IS THEY HAVE TO REDUCE POWER AND PRESSURE IN ORDER TO REPLACE THE PACKING. LICENSEE SAID ALL THEIR EDG & ECCS SYSTEMS ARE FULLY OPERABLE. LICENSEE NOTIFIED STATE, LOCAL OFFICIALS, & THE DEPARTMENT OF ENERGY OF THE TERMINATION OF THEIR UNUSUAL EVENT CLASSIFICATION. LICENSEE SAID THAT A PRESS RELEASE WILL BE ISSUED.

THE RESIDENT INSPECTOR WAS NOTIFIED BY THE LICENSEE.

R5DO (ANG), EO (ROSSI), & FEMA (MOSTELLER) NOTIFIED.

\*\*\* UPDATE 1612EDT 8/25/92 FROM ROLLY FULLER BY S.SANDIN \*\*\*

LICENSEE WISHED TO CLARIFY THAT NO LER WILL BE ISSUED BASED UPON A REPORTABILITY EVALUATION IN THAT NO VIOLATION OF TECH SPEC OR LOSS OF SAFETY SYSTEM/FUNCTION OCCURRED. NOTIFIED R5(RICHARDS).

\*\*\*\*\*

Power Reactor

Event # 24055

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WASHINGTON NUCLEAR          |           | Notification Date / Time: 08/15/1992 06:53 (EDT) |   |
| Unit: 2                           | Region: 5 | State : WA                                       | Event Date / Time: 08/15/1992 03:04 (PDT) |
| Reactor Type: [2] GE-5            |           | Last Modification: 08/15/1992                    |   |
| Containment Type: MARK II         |           |  |   |
| NRC Notified by: RAMBO            |           | Notifications: ROSS SCARANO RDO                  |   |
| HQ Ops Officer: JEFF HAROLD       |           | ERNIE ROSSI EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | SULLIVAN FEMA                                    |   |
| 10 CFR Section:                   |           | ROSS, SPESSARD AEOD                              |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | PLOSKI, ROSENTHAL AEOD                           |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | M/R        | Yes     | 33         | Power Operation | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED FOLLOWING 15 TO 20 PERCENT (PEAK-TO-PEAK), CORE-WIDE POWER OSCILLATIONS DURING REACTOR STARTUP.

AT 0304 PDT, THE LICENSEE WAS AT APPROXIMATELY 33 PERCENT POWER AND INCREASING POWER. THEY WERE IN THE PROCESS OF SHIFTING THE RECIRCULATION PUMPS TO HIGH SPEED BY FIRST CLOSING THE FLOW CONTROL VALVES PER PROCEDURE. SHORTLY AFTER THIS (PRIOR TO INCREASING THE PUMP SPEED), THE OPERATORS OBSERVED CORE-WIDE POWER OSCILLATIONS.

THE REACTOR WAS MANUALLY SCRAMMED. ALL RODS FULLY INSERTED. NO OTHER ACTUATIONS OCCURRED AS A RESULT OF THE EVENT. THE CONDENSER IS BEING USED TO COOL THE REACTOR. ALL SYSTEMS RESPONDED NORMALLY.

THE PLANT IS CURRENTLY STABLE. ALL SAFETY SYSTEMS ARE OPERABLE AND AVAILABLE, IF NEEDED. OFFSITE POWER IS STABLE AND AVAILABLE.

AT 0320 PDT, THE LICENSEE DECLARED AN UNUSUAL EVENT AS A RESULT OF EXPERIENCING CORE-WIDE POWER OSCILLATIONS. THE LICENSEE HAS CALLED IN SENIOR MANAGEMENT TO MAKE AN ASSESSMENT OF THE EVENT BEFORE TERMINATING THE UNUSUAL EVENT.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AS WELL AS THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS PLANNED.

\*\*\*\* UPDATE AT 0751 EDT BY RAMBO TAKEN BY HAROLD \*\*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0446 PDT ON THE BASIS THAT THE PLANT IS IN A STABLE CONDITION. THEY HAVE NOTIFIED STATE AND LOCAL OFFICIALS AS WELL AS THE RESIDENT INSPECTOR OF THE TERMINATION.

HOO NOTIFIED R5DO (SCARANO), EO (ROSSI), FEMA (SHULL), AEOD (ROSSI, SPESSARD, PLOSKI)

Power Reactor

Event # 24055

HOO NOTE: BASED ON INFORMATION GAINED THROUGH BRIDGE CALLS PLACED THROUGH THE OPERATIONS CENTER, THE POWER OSCILLATIONS STARTED SMALL (ABOUT 3% THERMAL POWER, PEAK-TO-PEAK) WITH AN ESTIMATED 2 SECOND OSCILLATION PERIOD. THE OSCILLATIONS INCREASED TO AROUND 20% PERCENT THERMAL POWER, PEAK-TO-PEAK, OVER ABOUT 90 SECONDS, AT WHICH TIME, THE REACTOR WAS MANUALLY SCRAMMED.

THE REGION REFERRED TO AS THE CORE POWER INSTABILITY REGION ON THE CORE FLOW VS. CORE POWER MAP FOR BOILING WATER REACTORS IS GENERALLY DEFINED AS CONDITIONS WHERE THE CONTROL RODS ARE POSITIONED TO PRODUCE EIGHTY PERCENT POWER (REFERRED TO AS THE 80 PERCENT ROD-LINE) OR HIGHER AT FULL CORE FLOW WITH LESS THAN FORTY-FIVE PERCENT FULL CORE FLOW. THE CONCERN WITH CORE POWER OSCILLATIONS IS THAT THE CORE POWER MAY NOT BE ACCURATELY MEASURED BY THE AVERAGE POWER RANGE MONITORS.

AT THE TIME THE EVENT STARTED, THE PLANT WAS AT APPROXIMATELY TWENTY-SIX PERCENT CORE FLOW AND 33% THERMAL POWER. THE INSTABILITY REGION AT THIS CORE FLOW WOULD BEGIN AROUND 44% THERMAL POWER. SINCE THE PLANT WAS WELL OUTSIDE OF THE CURRENTLY DEFINED INSTABILITY REGION, THIS EVENT IS SIGNIFICANT IN THAT SOME OTHER PARAMETER(S) MAY NEED TO BE CONSIDERED IN ADDITION TO THOSE PREVIOUSLY MENTIONED IN ORDER TO MORE ACCURATELY DEFINE THE INSTABILITY REGION.

\*\*\* 08/15/92 1300 EDT — COMMISSIONERS ASSISTANTS BRIEFING \*\*\*

NOTIFICATIONS: (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD(\*), IRB(PLOSKI), COMM SELIN(McOSKER), CURTISS(CONNAUGHTON), REMICK(DOOLITTLE), ROGERS(SCARBOROUGH), EDO(\*), EDO REGION(\*), EO(ROSSI), RDO(\*), PAO(NEWLIN), CAO(MADDEN), SECY(\*), SP(\*), IP(UPSHAW), BRIEFER(PERKINS), OTHERS PARTICIPATING(HILL, COOK, PROULX). AN AUGMENTED INSPECTION TEAM (AIT) WILL BE DISPATCHED TO THE SITE ON MONDAY. A LICENSEE PRESS RELEASE IS PLANNED.

\*\*\*\*\*

Power Reactor

Event # 24059

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: DRESDEN                            |            |           |            | Notification Date / Time: 08/16/1992 23:07 (EDT) |            |   |
| Unit: 2                                  |            | Region: 3 |            | State : IL                                       |            | Event Date / Time: 08/16/1992 20:50 (CDT) |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |            |           |            | Last Modification: 08/16/1992                    |            |   |
| Containment Type: MARK I                 |            |           |            |  |            |   |
| NRC Notified by: DANIEL KIM              |            |           |            | Notifications: MICHAEL J. JORDAN RDO             |            |   |
| HQ Ops Officer: THOMAS ANDREWS           |            |           |            |  |            |   |
| Emergency Class: UNUSUAL EVENT           |            |           |            |  |            |   |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(b)(2)(ii) ESF ACTUATION            |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | Yes       | 75         | Power Operation                                  | 75         | Power Operation                           |

DURING A ROUTINE PANEL WALKDOWN, THE LICENSEE DISCOVERED THE LOW PRESSURE COOLANT INJECTION (LPCI) MINIMUM FLOW VALVE "M02-1501-13B" CLOSED. THIS VALVE IS NORMALLY OPEN. WHEN THE OPERATOR TRIED TO OPEN THE VALVE, IT AUTOMATICALLY RECLOSED. THE AUTOMATIC CLOSURE OF THIS VALVE IS CONSIDERED TO BE AN ESF ACTUATION.

APPROXIMATELY 20 MINUTES AFTER THE AUTO CLOSURE, AN ANALOG TRIP PANEL ALARM OCCURRED. WHILE INVESTIGATING THIS ALARM, THE LICENSEE DISCOVERED FLOW TRANSMITTER "2-1501-58B" TO BE FAILED HIGH. SINCE THE OUTPUT OF THIS TRANSMITTER CONTROLS THE LPCI MINIMUM FLOW CONTROL VALVE, THE UNIT 2 LPCI SYSTEM "B" LOOP HAS BEEN DECLARED INOPERABLE.

THE "2/3" EMERGENCY DIESEL GENERATOR, WHICH IS SHARED BY BOTH UNITS 2 AND 3, IS ALSO INOPERABLE. WITH LPCI INOPERABLE ON UNIT 2, THE LICENSEE HAS ENTERED THE LCO FOR TECHNICAL SPECIFICATION 3.5.A.8 WHICH REQUIRES THE PROBLEM BE CORRECTED OR THE UNIT BE IN COLD SHUTDOWN WITHIN 24 HOURS.

THE LICENSEE IS TROUBLESHOOTING THE PROBLEM WITH FLOW TRANSMITTER "2-1501-5B." THE LICENSEE INDICATED THAT IF THE PROBLEM IS NOT CORRECTED WITHIN 8 HOURS, THEY WILL HAVE TO DECLARE AN UNUSUAL EVENT DUE TO A PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS. THIS IS NECESSARY SINCE IT IS ESTIMATED TO TAKE ABOUT 16 HOURS TO ACHIEVE COLD SHUTDOWN.

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED. NO OTHER NOTIFICATIONS ARE REQUIRED AT THIS TIME.

\*\*\*\* UPDATE 0127 EDT ON 08/17/92 BY TANG WEE TAKEN BY HAROLD \*\*\*\*

LICENSEE DETERMINED THAT THE REQUIREMENTS OF TECHNICAL SPECIFICATION 3.0.B WAS MORE RESTRICTIVE SINCE THE HIGH PRESSURE COOLANT INJECTION SYSTEM IS ALSO INOPERABLE. THIS

Power Reactor

Event # 24059

TECHNICAL SPECIFICATION REQUIRES THE PLANT TO BE IN HOT SHUT DOWN IN 12 HOURS AND IN COLD SHUTDOWN WITHIN THE FOLLOWING 24 HOURS.

THE "2/3" EMERGENCY DIESEL GENERATOR IS INOPERABLE DUE TO A SPEED SENSOR CIRCUIT PROBLEM. MAINTENANCE IS TROUBLESHOOTING NOW AND THE LICENSEE BELIEVES THAT THE REPAIR SHOULD BE COMPLETED BY THE END OF THE SHIFT (0700 CDT).

THE HIGH PRESSURE COOLANT INJECTION (HPCI) SYSTEM IS INOPERABLE DUE TO WORK ON THE AUXILIARY OIL PUMP. THE PUMP IS BEING RE-WORKED AND THE MOTOR IS BEING REPLACED. THE LICENSEE DID NOT HAVE AN ESTIMATED REPAIR TIME FOR THIS WORK.

TROUBLESHOOTING / REPAIR WORK ON THE FLOW TRANSMITTER IS IN PROGRESS. THE LICENSEE BELIEVES THAT THE WORK COULD BE COMPLETED AS EARLY AS 0500 CDT.

THE PLANT INITIATED A UNIT SHUTDOWN AT APPROXIMATELY 8% PER HOUR AT 2355 CDT ON 08/16/92 AND DECLARED AN UNUSUAL EVENT AT THAT TIME. THE BASIS FOR THE UNUSUAL EVENT IS A SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS.

THE RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED. NO PRESS RELEASE IS EXPECTED AT THIS TIME.

HOO NOTIFIED R3DO (JORDAN), EO (ROSSI), FEMA (CALDWELL)

\*\*\*\*UPDATE AT 0613 EDT ON 08/17/92 BY TANG WEE TAKEN BY HAROLD\*\*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT. THE 2B LPCI LOOP WAS DECLARED OPERABLE WHEN THE FLOW TRANSMITTER WAS REPLACED, CALIBRATED AND TESTED SATISFACTORY. THE 2/3 DIESEL AND THE HPCI SYSTEM ARE BEING REPAIRED AND ARE STILL INOPERABLE. THE RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.

HOO NOTIFIED R3DO(JORDAN) AND FEMA (CALDWELL).

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Power Reactor

Event # 24060

|  |            |         |            |  |            |                 |
|--|------------|---------|------------|--|------------|-----------------|
| Site: DRESDEN                            |            |         |            | Notification Date / Time: 08/17/1992 01:27 (EDT) |            |                 |
| Unit: 2 3 Region: 3 State : IL           |            |         |            | Event Date / Time: 08/16/1992 23:55 (CDT)        |            |                 |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |            |         |            | Last Modification: 08/17/1992                    |            |                 |
| Containment Type: MARK I MARK I          |            |         |            |  |            |                 |
| NRC Notified by: TANG WEE                |            |         |            | Notifications: MICHAEL J. JORDAN RDO             |            |                 |
| HQ Ops Officer: JEFF HAROLD              |            |         |            | ERNIE ROSSI EO                                   |            |                 |
| Emergency Class: UNUSUAL EVENT           |            |         |            | CALDWELL FEMA                                    |            |                 |
| 10 CFR Section:                          |            |         |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |         |            |  |            |                 |
| Unit                                     | Scram Code | RX Crit | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2  | N          | Yes     | 75         | Power Operation                                  | 75         | Power Operation |
| 3  | N          | Yes     | 47         | Power Operation                                  | 47         | Power Operation |

A STATION UNUSUAL EVENT WAS DECLARED DUE TO THE COMMERCIAL TELEPHONE SYSTEM AND THE FTS 2000 EMERGENCY NOTIFICATION SYSTEM BEING OUT OF SERVICE (NO PHONE CALLS CAN BE MADE OR RECEIVED FROM THE STATION THROUGH THE NORMAL PHONE LINES).

THE LICENSEE HAS CONTACTED THE LOCAL TELEPHONE COMPANY AND HAS CALLED PERSONNEL IN TO CHECK OUT THE PLANT PHONE SYSTEM. THE ONLY LINE OF COMMUNICATION TO THE CONTROL ROOM IS VIA THE LOAD DISPATCHER, WHO HAS A DIRECT LINE. THE LICENSEE IS ABLE TO CALL OUT VIA A PAY PHONE IN THE PLANT.

THE LICENSEE HAS INFORMED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS. NO FURTHER NOTIFICATIONS ARE REQUIRED OR ANTICIPATED AT THIS TIME.

\*\*\* UPDATE 1336EDT 08/17/92 FROM ATA BY S.SANDIN \*\*\*

UE TERMINATED AT 1315EDT AFTER TELEPHONE COMMUNICATION REESTABLISHED. THE PROBLEM WAS ISOLATED TO A PHONE COMPANY REPEATER BREAKER WHICH TRIPPED ON FAULT AFFECTING PHONE RELAYS ON SITE. THE LICENSEE INFORMED THE STATE AND THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO(KNOP), EO(ROSSI) AND FEMA(STEINDURF).

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Power Reactor

Event # 24064

|                                      |            |            |            |  |            |                 |
|--------------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: BRUNSWICK                      |            |            |            | Notification Date / Time: 08/17/1992 10:13 (EDT) |            |                 |
| Unit: 2                              | Region: 2  | State : NC |            | Event Date / Time: 08/17/1992 09:40 (EDT)        |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4      |            |            |            | Last Modification: 08/17/1992                    |            |                 |
| Containment Type: MARK I             |            |            |            |  |            |                 |
| NRC Notified by: ROUSE               |            |            |            | Notifications: KENNETH BARR RDO                  |            |                 |
| HQ Ops Officer: JEFF HAROLD          |            |            |            | ERNIE ROSSI EO                                   |            |                 |
| Emergency Class: UNUSUAL EVENT       |            |            |            | DAMIACO FEMA                                     |            |                 |
| 10 CFR Section:                      |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |            |            |  |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |            |            |  |            |                 |
| Unit                                 | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                    | N          | No         | 0          | Refueling  | 0          | Refueling       |

**\*\*THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN INDIVIDUAL BEING TRANSFERED OFFSITE AFTER SUFFERING FROM A FALL IN THE DRYWELL.\*\***

AN INDIVIDUAL FELL IN UNIT 2 DRYWELL SUFFERING BROKEN BONES AND A LARGE CONTUSION OF THE LEFT FEMUR. THE INDIVIDUAL WAS TRANSPORTED BY AMBULANCE TO DOSHER HOSPITAL IN SOUTHPORT. A PERSONNEL AND DECONTAMINATION TEAM MEMBER HAS BEEN SENT TO PREPARE FOR ARRIVAL OF THE VICTIM. IT HAS NOT BEEN DETERMINED IF THE INDIVIDUAL IS CONTAMINATED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, LOCAL AND STATE OFFICIALS. A PRESS RELEASE IS PLANNED.

\*\*\*\* UPDATE 1043 EDT ON 08/17/92 BY ROUSE TAKEN BY HAROLD \*\*\*\*

INDIVIDUAL WAS DETERMINED NOT TO BE CONTAMINATED. HOWEVER, SOME ANTI-CONTAMINATION CLOTHING IS STILL AT THE HOSPITAL.

HOO NOTIFIED R2DO (BARR) AND EO (ROSSI).

\*\*\*\* UPDATE 1043 EDT ON 08/17/92 BY ROUSE TAKEN BY HAROLD \*\*\*\*

THE UNUSUAL EVENT HAS TERMINATED. IT WAS DETERMINED THAT THE ANTI-CONTAMINATION CLOTHING CONTAINED NO RADIOACTIVE MATERIAL. THE CLOTHING HAS BEEN RETURNED TO THE SITE.

HOO NOTIFIED R2DO (BARR), EO (ROSSI) AND FEMA (DAMIACO).

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Power Reactor

Event # 24085

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HUMBOLDT BAY                |            | Notification Date / Time: 08/20/1992 22:28 (EDT) |   |                 |            |                 |
| Unit: 3                           | Region: 5  | State : CA                                       | Event Date / Time: 08/20/1992 19:00 (PDT) |                 |            |                 |
| Reactor Type: [3] GE-1            |            | Last Modification: 08/20/1992                    |   |                 |            |                 |
| Containment Type:                 |            |  |   |                 |            |                 |
| NRC Notified by: RICHARD McKENNA  |            | Notifications: EDWARD BUTCHER RDO                |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH       |            | BRUCE BOGER EO                                   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) FIRE (ONSITE)     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                 | N          | No   | 0   | Decommissioned  | 0          | Decommissioned  |

UNUSUAL EVENT DECLARED AT 1900 PDT DUE TO A BRUSH FIRE ON THE NORTHERN SITE BOUNDARY WHICH GOT SIX INCHES INSIDE THE LICENSEE'S FENCE BEFORE IT WAS PUT OUT.

THE FIRE WAS PUT OUT WITHIN HALF AN HOUR BY THE LICENSEE'S FIRE BRIGADE AND THE HUMBOLDT FIRE DISTRICT. ASSISTANCE BY THE OFF SITE FIRE FIGHTERS CONSTITUTES AN UNUSUAL EVENT UNDER THE LICENSEE'S EMERGENCY PLAN. THE UNUSUAL EVENT WAS TERMINATED AT 1920 PDT. NEITHER PHYSICAL SECURITY NOR OFF SITE POWER LINES WERE THREATENED BY THE FIRE.

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Power Reactor

Event # 24092

|                                     |            |                    |            |  |            |   |
|-------------------------------------|------------|--------------------|------------|--|------------|---|
| Site: SEQUOYAH                      |            |                    |            | Notification Date / Time: 08/21/1992 14:11 (EDT) |            |   |
| Unit: 2                             |            | Region: 2          |            | State : TN                                       |            | Event Date / Time: 08/21/1992 13:22 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |                    |            | Last Modification: 08/21/1992                    |            |   |
| Containment Type: ICE COND          |            |                    |            |  |            |   |
| NRC Notified by: HILL               |            |                    |            | Notifications: EDWARD MCALPINE RDO               |            |   |
| HQ Ops Officer: GREG SCARFO         |            |                    |            | ROSSI EO   |            |   |
| Emergency Class: UNUSUAL EVENT      |            |                    |            | AUSTIN FEMA                                      |            |   |
| 10 CFR Section:                     |            |                    |            |  |            |   |
| 50.72(a)(1)(i)                      |            | EMERGENCY DECLARED |            |  |            |   |
| 50.72(b)(1)(iv)                     |            | ECCS INJECTION     |            |  |            |   |
| 50.72(b)(2)(ii)                     |            | RPS ACTUATION      |            |  |            |   |
| 50.72(b)(2)(ii)                     |            | ESF ACTUATION      |            |  |            |   |
| Unit                                | Scram Code | RX Crit            | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | M/R        | Yes                | 100        | Power Operation                                  | 0          | Hot Standby                               |

AT 1336EDT, AN NOUE WAS DECLARED WHEN A REACTOR TRIP AND SAFETY INJECTION OCCURRED FOR UNKNOWN REASONS. THE UNIT IS STABLE IN HOT STANDBY AT THIS TIME.

AT 1322EDT, A REACTOR TRIP AND SAFETY INJECTION (SI) OCCURRED ON A LOW PRESSURIZER PRESSURE SIGNAL. HOWEVER, THE MINIMUM PRESSURIZER PRESSURE MEASURED DURING THE TRIP WAS 2100# (WELL ABOVE THE SI ACTUATION SETPOINT OF 1870#). ALL RODS FULLY INSERTED ON THE TRIP. AT 1336EDT, AN NOUE WAS DECLARED WHEN EMERGENCY OPERATING PROCEDURE "ES1.1" (SI TERMINATION) WERE ENTERED. AS A CONSEQUENCE OF THE SI SIGNAL, THE HIGH HEAD INJECTION PUMPS (CENTRIFUGAL CHARGING PUMPS), SI PUMPS, AND RHR PUMPS ALIGNED TO THE REACTOR COOLANT SYSTEM (RCS) AND STARTED. THE CCPs INJECTED APPROXIMATELY 5000 GALLONS OF WATER FROM THE REFUELING WATER STORAGE TANK OVER A 25 MINUTE PERIOD. MINIMUM PRESSURIZER LEVEL DIPPED TO 42% ON THE SHRINK AND THE MAXIMUM PRESSURIZER LEVEL PEAKED AT 60% WHEN THE CCPs WERE SECURED. STEAM GENERATOR (SG) PRESSURE AND LEVEL REMAINED WITHIN EXPECTED BANDS DURING THE TRIP. NO SAFETY VALVES OR PORVs LIFTED.

AS A RESULT OF THE SI SIGNAL, SEVERAL ENGINEERED SAFETY FEATURES (ESF) ACTUATIONS OCCURRED INCLUDING PHASE "A" CONTAINMENT ISOLATION (CONTAINMENT ISOLATION, CONTAINMENT VENTILATION ISOLATION, CONTROL ROOM VENTILATION ISOLATION), AUXILIARY FEEDWATER (AFW) ACTUATION, EMERGENCY DIESEL GENERATOR (EDG) START, AND MAIN FEEDWATER ISOLATION. THE EDGs DID NOT LOAD.

AT THIS TIME, THE UNIT IS STABLE IN HOT STANDBY. OFFSITE POWER IS AVAILABLE TO THE SAFETY BUSES VIA THE STARTUP TRANSFORMER. AFW CONTINUES TO SUPPLY THE SGs AND STEAM IS BEING DUMPED TO THE CONDENSER VIA THE STEAM DUMP SYSTEM. THE CRITERIA FOR EXITING THE NOUE IS THE COMPLETION OF THE "SI TERMINATION" EOP. THE CAUSE OF THE LOW PRESSURIZER PRESSURE SIGNAL IS UNDER INVESTIGATION. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE LICENSEE WILL MAKE A PRESS RELEASE.

Power Reactor

Event # 24092

\*\*\* UPDATE AT 1730EDT BY CARROLL TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 1722EDT. PLANT CONDITIONS ARE STABLE, AND THEY HAVE TRANSITIONED FROM EMERGENCY INSTRUCTIONS TO NORMAL OPERATING PROCEDURES. THE LICENSEE IS STILL INVESTIGATING THE REASON FOR THE LOW PRESSURIZER PRESSURE RPS ACTUATION, BUT IS PREPARING TO RESTART. R2DO (McALPINE), EO (BOGER), FEMA (WITSBERGER) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 24101

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: ROBINSON                    |            | Notification Date / Time: 08/22/1992 11:09 (EDT) |   |                 |            |                 |
| Unit: 2                           | Region: 2  | State : SC                                       | Event Date / Time: 08/22/1992 10:09 (EDT) |                 |            |                 |
| Reactor Type: [2] W-3-LP          |            | Last Modification: 08/22/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: JAMES CONDOR     |            | Notifications: EDWARD MCALPINE RDO               |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN   |            | BRUCE BOGER EO                                   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                   |            | EBNETER RGII                                     |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            | JORDAN AEOD                                      |   |                 |            |                 |
|                                   |            | BROCKMAN AEOD                                    |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | A/R        | Yes  | 99  | Power Operation | 0          | Hot Standby     |

# REACTOR TRIP AND MANUAL SAFETY INJECTION FOLLOWING LOSS OF OFFSITE POWER.

AT 10:09 EDT, THE LICENSEE EXPERIENCED A LOSS OF THEIR STARTUP TRANSFORMER. APPROXIMATELY ONE MINUTE LATER, DUE TO LOSS OF VARIOUS PROCESS SYSTEMS THE REACTOR EXPERIENCED A REACTOR TRIP (CURRENTLY BELIEVED TO BE CAUSED BY A HIGH STEAM GENERATOR LEVEL TURBINE TRIP - REACTOR TRIP). ALL RODS FULLY INSERTED TO SHUTDOWN THE REACTOR. UPON LOSS OF THE MAIN GENERATOR, EMERGENCY BUSES ATTEMPTED TO TRANSFER TO THE STARTUP TRANSFORMER, WHICH WAS UNAVAILABLE. THIS EFFECTIVELY RESULTED IN A LOSS OF OFFSITE POWER. NO OTHER OFFSITE POWER PATH IS AVAILABLE TO THE ROBINSON 1E 480 VOLT BUSES WHEN THE STARTUP TRANSFORMER IS OUT OF SERVICE.

THE EMERGENCY DIESEL GENERATORS STARTED AND LOADED AS REQUIRED. LOSS OF PRESSURE CONTROL AND SHRINK IN PRESSURIZER LEVEL RESULTED IN LICENSEE MANUALLY ACTUATING ECCS INJECTION. LOWEST PRESSURIZER PRESSURE WAS 1740 PSI. RCS PRESSURE CONTROL WAS RESTORED AND ECCS SECURED WITH NORMAL LETDOWN AND CHARGING CONTROL OF RCS. RCS IS CURRENTLY IN NATURAL CIRCULATION COOLING (NO RCP'S RUNNING) WITH MSIV'S ISOLATED AND DECAY HEAT BEING DISCHARGED TO THE ATMOSPHERE VIA STEAM DUMPS. AUX FEED TO THE STEAM GENERATORS IS BEING SUPPLIED VIA THE MOTOR DRIVEN AFW PUMPS.

AN UNUSUAL EVENT WAS DECLARED DUE TO THE LOSS OF OFFSITE POWER AT 1025 EDT. LICENSEE IS STILL TRYING TO DETERMINE THE CAUSE OF THE STARTUP TRANSFORMER LOCKOUT. LICENSEE IS PURSUING BACK FEED OF THE EMERGENCY BUSES THROUGH THE MAIN STEP UP TRANSFORMER. HOWEVER, THIS WILL REQUIRE MANUAL OPENING OF DISCONNECT LINKS AND IS ESTIMATED TO TAKE APPROXIMATELY 4 TO 8 HOURS.

THE RESIDENT INSPECTOR HAS BEEN NOTIFIED. THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES AND IS ISSUING A PRESS RELEASE. OTHER NRC INFORMED INCLUDE: MERSCHOFF, VERRELLI, REYES OF RGN2; AND ADENSAM OF HQTRS.

Power Reactor

Event # 24101

LICENSEE ACTIVATED THEIR TSC AT APPROXIMATELY 11:45EDT AND OPERATIONAL SUPPORT CENTER AT 12:15 EDT. NRC ENTERED THE INCIDENT MONITORING MODE AT ~12:45EDT. OTHER FEDERAL AGENCIES NOTIFIED: DOE (SHAWALDER), EPA (LYMAN), HHS (GRAY), DOS (BAKER), DOT (CROMWELL).

\*\*\*UPDATE FROM LICENSEE AT 13:30 EDT 8/22/92\*\*\*

LICENSEE PROVIDED ADDITIONAL INFORMATION: A EMPTY SPENT FUEL CASK WAS BEING LOWERED INTO THE SPENT FUEL POOL WHEN THE LOSS OF POWER OCCURRED. THE CASK IS STILL SUSPENDED OVER ITS NORMAL SEATING LOCATION IN THE POOL BUT IS NOT SEATED. THERE IS NO FUEL IN THE IMMEDIATE VICINITY OF THE CASK. THE CASK IS FULLY SECURED BY REDUNDANT CRANE SUPPORT MECHANISMS. LICENSEE ALSO HAS PERSONNEL AT BOTH EMERGENCY DIESELS TO CLOSELY MONITOR CONDITIONS. LICENSEE NOTES THAT A DEDICATED SHUTDOWN DIESEL IS AVAILABLE AND ALSO RUNNING.

LICENSEE HAS SAMPLED TRANSFORMER OIL AND FOUND NO INDICATION OF HEATING OR BREAKDOWN. THEY HAVE FOUND MOISTURE IN A JUNCTION BOX ASSOCIATED WITH THE STARTUP TRANSFORMER WHICH IS BEING INVESTIGATED.

\*\*\* UPDATE BY KARSCH COMMISSIONER'S ASSISTANTS BRIEFING AT 2000 EDT \*\*\*

BRIEFERS: MERSCHOFF & BROCKMAN PARTICIPANTS: PLOSKI (AEOD/IRB), LOBEL & WECHSELBERGER (EDO), BOGER (NRR/EO), MADDEN (CA), KAMMERER (SP), FOUCHARD (PAO), CYR (SELIN), TRIMBLE (CURTIS), CROCKET (REMICK), JENSEN (DePLANQUE)

\*\*\*UPDATE FROM:CHRISTENSEN, RGII TO HOO:HUFFMAN AT 00:45 EDT ON 8/23/92\*\*\*

AT 21:60 EDT A TEMPORARY POWER SUPPLY WAS PROVIDE TO THE SPENT FUEL CASK CRANE. THE SUSPENDED SPENT FUEL CASK WAS LOWERED AND SEATED ON ITS DECON PAD.

THE CAUSE OF THE STARTUP TRANSFORMER FAULT WAS RELATED TO A PRESSURE SENSOR CIRCUITRY RELAY FAILURE. THIS CONDITION HAS BEEN CORRECTED AND THE STARTUP TRANSFORMER WAS PLACED BACK IN SERVICE AT 23:45 EDT.

EMERGENCY BUS E1 WAS ENERGIZED FROM OFFSITE POWER VIA THE STARTUP TRANSFORMER AT 00:14 EDT. EMERGENCY BUS E2 WAS ENERGIZED AT 00:24 EDT. BOTH EMERGENCY DIESELS HAVE BEEN SECURED.

\*\*\*UPDATE FROM LICENSEE:BAUER TO NRC:HUFFMAN AT 01:36 EDT ON 8/23/92\*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT AT 01:24 EDT BASED UPON COMPLETE RESTORATION OF PLANT POWER TO ITS NORMAL OFFSITE CONFIGURATION. EQUIPMENT LINE-UP AND VERIFICATION IS IN PROGRESS. LICENSEE ALSO PLANS TO RE-ESTABLISHED FORCED CIRCULATION BY STARTING AN RCP. PLANT IS STILL AT HOT SHUTDOWN CONDITIONS OF 2170 PSI AND 527 F. LICENSEE NOTES THAT THEY MAY HAVE A PROBLEM WITH BOWING OF THE TURBINE GENERATOR ROTOR SHAFT DUE TO THE LONG PERIOD OF TIME THAT IT HAS NOT BEEN ON THE TURNING GEAR. THE NRC RESIDENT, STATE, AND LOCAL OFFICIALS HAVE BEEN INFORMED OF THE UE TERMINATION. A PRESS RELEASE WILL BE MADE.

HOO NOTIFIED EO(BOGER) AND R2DO(MCALPINE) AND AEOD(BROCKMAN).

OTHER FEDS NOTIFIED: FEMA (HERSKO), DOE (SHAWALDER), EPA (LYMAN), HHS (GRAY), USDA (CONNLEY), DOS (MOORE), DOT (CROMWELL). SEE EVENT #24103.

\*\*\*\*\*

Power Reactor

Event # 24102

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: OYSTER CREEK                |           | Notification Date / Time: 08/22/1992 13:49 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NJ                                       | Event Date / Time: 08/22/1992 12:55 (EDT) |
| Reactor Type: [1] GE-2            |           | Last Modification: 08/22/1992                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: DUNSMUIR         |           | Notifications: NORMAN BLUMBERG RDO               |   |
| HQ Ops Officer: GREG SCARFO       |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                   |           | BROCKMAN IRB                                     |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | JORDAN AEOD                                      |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

AT 1315EDT, AN NOUE WAS DECLARED DUE TO AN UNEXPLAINED LOSS OF LEVEL RESULTING IN A REACTOR SCRAM AND MAIN STEAM ISOLATION VALVE (MSIV) CLOSURE. THERE ARE NO INDICATIONS OF ANY REACTOR COOLANT SYSTEM LEAKS (ELEVATED RADIATION LEVELS, HUMIDITY OR SUMP LEVELS) AT THIS TIME.

AT 1255EDT, AN UNEXPLAINED LOSS OF LEVEL RESULTED IN REACTOR LEVEL DROP TO THE LOW LEVEL SETPOINT OF 137 INCHES ABOVE TOP OF THE ACTIVE FUEL (TAF). AT THAT LEVEL, A REACTOR TRIP OCCURRED WHERE ALL RODS FULLY INSERTED. LEVEL CONTINUED TO DECREASE TO THE LOW-LOW LEVEL SETPOINT OF 86 INCHES TAF WHERE SEVERAL ENGINEERED SAFETY FEATURES (ESF) ACTUATIONS OCCURRED INCLUDING MSIV CLOSURE, ISO-CONDENSER ACTUATION, CORE SPRAY ACTUATION (WITHOUT INJECTION), EMERGENCY DIESEL GENERATOR (EDG) START, CONTAINMENT ISOLATION, REACTOR WATER CLEANUP ISOLATION, AMONG OTHER ACTUATIONS. LEVEL DECREASED TO AN UNSPECIFIED LEVEL BELOW 86 INCHES TAF WHEN THE MAIN FEEDWATER SYSTEM ON THE LOW-FLOW VALVE RECOVERED LEVEL.

REACTOR WATER LEVEL RECOVERED TO ABOVE 180 INCHES TAF, WHICH REQUIRES THE ISO-CONDENSER TO BE TAKEN OUT-OF-SERVICE. THE ISOLATION CONDENSER WAS ISOLATED AND ELECTRO-MATIC RELIEF VALVE (EMRV) "A" WAS ACTUATED TO CONTINUE THE COOLDOWN. THE EMRV EXHAUSTED TO THE SUPPRESSION POOL RESULTING IN AN INCREASE IN TEMPERATURE FROM 86 DEGREES TO 88 DEGREES. IN ANTICIPATION OF A 90 DEGREE TEMPERATURE, THE CONTAINMENT SPRAY SYSTEM WAS MANUALLY ACTUATED TO COOL THE SUPPRESSION POOL/TORUS (IN A TEST MODE). ONCE REACTOR WATER LEVEL FELL BELOW 180 INCHES, THE ISO-CONDENSER WAS RETURNED TO SERVICE, THE EMRV WAS CLOSED, AND THE CONTAINMENT SPRAY SYSTEM WAS SECURED. THE EMRV WAS OPEN FOR APPROXIMATELY 2 MINUTES.

BEFORE THE MSIV CLOSURE OCCURRED, PLANT PRESSURE WAS LESS THAN 970 #. AFTER THE CLOSURE, PLANT PRESSURE PEAKED AT APPROXIMATELY 1020# THEN REDUCED BACK BELOW 970#.

Power Reactor

Event # 24102

NO SAFETY/RELIEF VALVES LIFTED ON THE REACTOR SCRAM. NO ELEVATED SUMP LEVELS, RADIATION LEVELS, OR HUMIDITY WERE REGISTERED. THE CORE SPRAY PUMPS OPERATED FOR APPROXIMATELY 3 MINUTES BEFORE BEING SECURED. EDGs DID NOT LOAD AND WERE SECURED AUTOMATICALLY AFTER AN 11.5 MINUTE TIMEOUT. THE CONTAINMENT ISOLATION HAS BEEN CLEARED BUT THE MSIVs REMAIN CLOSED.

AT THIS TIME, THE PLANT IS STABLE IN HOT SHUTDOWN. THE MAIN FEED SYSTEM IS SUPPLYING THE REACTOR AND THE ISOLATION CONDENSER IS BEING UTILIZED AS A HEAT SINK. OFFSITE POWER IS BEING SUPPLIED VIA A STARTUP TRANSFORMER. EDGs REMAIN AVAILABLE AND MSIVs REMAIN CLOSED. ALL SAFETY EQUIPMENT IS OPERABLE. NO TECHNICAL SPECIFICATION ACTION STATEMENTS HAVE BEEN ENTERED AT THIS TIME. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 08/22/92 1507EDT FROM:FULLER BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1452EDT WHEN THE LICENSEE CONFIRMED THAT THE PLANT IS STABLE IN HOT SHUTDOWN. AN INVESTIGATION OF THE CAUSE OF THE EVENT IS STILL UNDERWAY. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. NRR EO(BOGER), AEOD(JORDAN), IRB(BROCKMAN), FEMA(LOUZONIS) NOTIFIED.

\*\*\* UPDATE 08/22/92 1545EDT FROM:FULLER BY:SCARFO \*\*\*

A CONFERENCE CALL WAS HELD WITH HQ, REGION 1, AND LICENSEE PERSONNEL. THE LICENSEE BELIEVES THE CAUSE OF THE LOSS OF LEVEL IS A FAILED STEAM FLOW INPUT TO THE FEEDWATER CONTROL SYSTEM. THE INVESTIGATION IS ONGOING. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. NRR EO(BOGER), AEOD(JORDAN), IRB(BROCKMAN), RA(MARTIN), AND OTHERS.

\*\*\* COMMISSIONER'S ASSISTANTS BRIEFING 08/22/92 2000EDT \*\*\*

BRIEFER: BROCKMAN/REYES

PARTICIPANTS: PLOSKI(IRB) MADDEN(CA) KAMMERER(SP)  
LOBEL(EDO) WECHSELBERGER(EDO) FOUCARD(PAO)  
BOGER(NRR EO) TRIMBLE(CURTIS) CROCKETT(REMICK)  
CYR(SELIN) JENSEN(DEPLANQUE)

HOO NOTE: SEE ALSO EVENT 24109.

\*\*\*\*\*

Power Reactor

Event # 24105

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: SAINT LUCIE                 |                      | Notification Date / Time: 08/23/1992 08:05 (EDT) |  |
| Unit: 1 2                         | Region: 2 State : FL | Event Date / Time: 08/23/1992 07:15 (EDT)        |  |
| Reactor Type: [1] CE,[2] CE       |                      | Last Modification: 08/23/1992                    |  |
| Containment Type:                 |                      |  |  |
| NRC Notified by: MARPLE           |                      | Notifications: EDWARD MCALPINE RDO               |  |
| HQ Ops Officer: WILLIAM HUFFMAN   |                      | BRUCE BOGER EO                                   |  |
| Emergency Class: UNUSUAL EVENT    |                      | WRIGHT FEMA                                      |  |
| 10 CFR Section:                   |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |
| 50.72(b)(1)(iii) HURRICANE        |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 97         | Power Operation | 97         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DUE TO ISSUANCE OF HURRICANE WARNING.

A HURRICANE WARNING WAS ISSUED FOR SOUTH FLORIDA AT 0700 EDT. THE LICENSEE DECLARED AN EMERGENCY PLAN INITIATED UNUSUAL EVENT AS A CONSEQUENCE OF THE WARNING. LICENSEE WILL SHUTDOWN 12 HOURS PRIOR TO THE PROJECTED ARRIVAL OF HURRICANE FORCE WINDS. CURRENTLY, HURRICANE FORCE WINDS ARE NOT PROJECTED FOR THE ST. LUCIE AREA.

STATE AND LOCAL OFFICIALS, AND THE NRC RESIDENT INSPECTOR HAVE BEEN INFORMED.

\*\*\*UPDATE FROM LICENSEE:MARPLE TO HOO:HUFFMAN AT 09:58 EDT ON 8/24/92\*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT BOTH UNITS AT 0920 EDT UPON LIFTING OF HURRICANE WARNINGS AT THE SITE. THE RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED.

R2DO(MCALPINE); FEMA(HERSKO); AND EO(ROSSI)

\*\*\*\*\*

Power Reactor

Event # 24107

|   |  |  |  |
|---|--|--|--|
| Site: PALO VERDE                          |  | Notification Date / Time: 08/23/1992 20:11 (EDT) |  |
| Unit: 1 2 3 Region: 5 State : AZ          |  | Event Date / Time: 08/23/1992 17:00 (MST)        |  |
| Reactor Type: [1] CE,[2] CE,[3] CE        |  | Last Modification: 08/23/1992                    |  |
| Containment Type: DRY AMB DRY AMB DRY AMB |  |  |  |
| NRC Notified by: ED SONN                  |  | Notifications: EDWARD BUTCHER RDO                |  |
| HQ Ops Officer: RUDY KARSCH               |  | BRUCE BOGER EO                                   |  |
| Emergency Class: UNUSUAL EVENT            |  | AUSTIN FEMA                                      |  |
| 10 CFR Section:                           |  |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED         |  |  |  |
| 50.72(b)(1)(v) OTHER ASMT/COMM INOP       |  |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AND TERMINATED DUE TO LOSS AND SUBSEQUENT RESTORATION OF METEOROLOGICAL INSTRUMENTATION.

THE LICENSEE DECLARED AN UNUSUAL EVENT PURSUANT TO THEIR EMERGENCY PLAN DUE TO THE LOSS OF SITE METEOROLOGICAL INSTRUMENTATION. THE INSTRUMENTATION WAS LOST AT 2245MST ON 8/22/92 DUE TO AN ELECTRICAL STORM. THE LOST INSTRUMENTS WERE RESTORED TO OPERABILITY AT 0557 MST ON 8/23/92. THIS WAS BEFORE THE LICENSEE'S STAFF DETERMINED THAT THEIR EMERGENCY PLAN CATEGORIZED THIS AS AN UNUSUAL EVENT. THEREFORE, THE UNUSUAL EVENT WAS IMMEDIATELY TERMINATED AFTER IS WAS DECLARED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 24112

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WATERFORD                   |           | Notification Date / Time: 08/24/1992 17:54 (EDT) |   |
| Unit: 3                           | Region: 4 | State : LA                                       | Event Date / Time: 08/24/1992 16:24 (CDT) |
| Reactor Type: [3] CE              |           | Last Modification: 08/26/1992                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: McNEELY          |           | Notifications: G SANBORN RDO                     |   |
| HQ Ops Officer: JOHN MacKINNON    |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | WITSBERGER FEMA                                  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(iii) HURRICANE        |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE ENTERED AN UNUSUAL EVENT PER EMERGENCY IMPLEMENTING PROCEDURES AFTER THE NATIONAL WEATHER SERVICE DECLARED A HURRICANE WARNING FOR ST. CHARLES PARISH, LA. ALL EDGs AND ECCSs ARE FULLY OPERABLE. LICENSEE ANTICIPATES THAT THE HURRICANE WILL AFFECT THE SITE AROUND 1900 EDT ON 08/25/92. LICENSEE NOTED THAT PLANT SHUTDOWN IS NOT SPECIFIED AS A FUNCTION OF WIND SPEED IN LICENSEE EMERGENCY PLAN, BUT DETERMINED BY THE PLANT MANAGER AND THE LOAD DISPATCHER. LICENSEE NOTIFIED STATE/LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE @ 1341EDT BY D ORTEGO TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1221CDT AFTER HURRICANE WARNING WAS LIFTED BY THE NATIONAL WEATHER SERVICE. LICENSEE SAYS THAT THEY HAVE WIND GUSTS UP TO 20mph AND THE WIND GUSTS ARE DECREASING. ALL THEIR ECCS AND EDGs ARE FULLY OPERABLE. R4DO (BATES), EO (ROSSI), & FEMA (LAIRD) NOTIFIED. RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 24113

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HUMBOLDT BAY                |           | Notification Date / Time: 08/24/1992 19:27 (EDT) |   |
| Unit: 3                           | Region: 5 | State : CA                                       | Event Date / Time: 08/24/1992 15:36 (PDT) |
| Reactor Type: [3] GE-1            |           | Last Modification: 08/24/1992                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: McKENNA          |           | Notifications: FRANK WENSLAWSKI RDO              |   |
| HQ Ops Officer: STEVE SANDIN      |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Decommissioned  | 0          | Decommissioned  |

AT 1536PDT, AN NOUE WAS DECLARED DUE TO A BRUSH FIRE JUST NORTH OF THE "FARM FENCE" (OUTSIDE OF THE PLANT BOUNDARY). THE LICENSEE REQUESTED OFFSITE (HUMBOLDT FIRE DISTRICT #1) ASSISTANCE TO EXTINGUISH THE FIRE. THE NOUE WAS TERMINATED AT 1550PDT WHEN THE FIRE WAS EXTINGUISHED. REGION V WILL BE NOTIFIED. THE CALIFORNIA OFFICE OF EMERGENCY SERVICES HAS BEEN NOTIFIED.

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Power Reactor

Event # 24123

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: RIVER BEND                  |            | Notification Date / Time: 08/26/1992 10:40 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 4  | State : LA                                       | Event Date / Time: 08/26/1992 09:34 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-6            |            | Last Modification: 08/26/1992                    |   |                 |            |                 |
| Containment Type: MARK III        |            |  |   |                 |            |                 |
| NRC Notified by: NORRIS           |            | Notifications: SANBORN                           | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD    |            | ROSSI /  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | AUSTIN   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(1)(iii) HURRICANE        |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO HURRICANE ANDREW.

DUE TO THE INCREASING SEVERE WEATHER CONDITIONS RELATED TO HURRICANE ANDREW, AN NOUE WAS DECLARED BASED ON THE SHIFT SUPERVISOR'S DISCRETION. THE WIND SPEEDS ON SITE GUSTING TO 60-65 MPH AND WEATHER CONDITIONS ARE DETERIORATING. ALL D/G'S ARE AVAILABLE AND REQUIRED ECCS EQUIPMENT IS AVAILABLE. THE RI WILL BE NOTIFIED, AND STATE AND LOCAL AGENCIES HAVE BEEN INFORMED.

\*\*\*UPDATE AT 11:32 BY NORRIS TO GOULD\*\*\* WINDS AVERAGE 40 MPH WITH GUST FROM 60-70MPH.

\*\*\* UPDATE 1228EDT 8/26/92 FROM NORRIS BY S.SANDIN \*\*\*  
SUSTAINED WINDSPEED ONSITE IS APPROXIMATELY 45 MPH WITH GUSTING TO 74 MPH. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1323EDT 08/26/92 FROM:NORRIS BY:SCARFO \*\*\*  
SUSTAINED WINDSPEED ONSITE IS APPROXIMATELY 42 MPH WITH GUSTING TO 65 MPH. THE PLANT REMAINS IN COLD SHUTDOWN (MODE 4). THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1424EDT 8/26/92 FROM NORRIS BY S.SANDIN \*\*\*  
SEVERE WEATHER CONDITIONS CONTINUE. SUSTAINED WINDSPEED IS CURRENTLY 34 MPH WITH GUSTING TO 65 MPH. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1519EDT 8/26/92 FROM NORRIS BY S.SANDIN \*\*\*  
CURRENT WEATHER CONDITIONS ARE STABILIZING. SUSTAINED WINDSPEED IS 32 MPH WITH GUSTING TO 45 MPH. LICENSEE IS EVALUATING WHEN TO TERMINATE UNUSUAL EVENT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1547EDT 8/26/92 FROM NORRIS BY S.SANDIN \*\*\*

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Power Reactor

Event # 24123

UNUSUAL EVENT TERMINATED AT 1440CDT. LICENSEE INFORMED STATE/LOCAL AGENCIES AND WILL  
INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R4DO(SANBORN), EO(ROSSI) AND  
FEMA(SULLIVAN).

\*\*\*\*\*

Power Reactor

Event # 24145

|  |           |  |   |
|--|-----------|--|---|
| Site: BIG ROCK POINT                   |           | Notification Date / Time: 08/30/1992 03:06 (EDT) |   |
| Unit: 1                                | Region: 3 | State : MI                                       | Event Date / Time: 08/30/1992 02:40 (EDT) |
| Reactor Type: [1] GE-1                 |           | Last Modification: 08/30/1992                    |   |
| Containment Type:                      |           |  |   |
| NRC Notified by: ALEXANDER             |           | Notifications: FRANK JABLONSKI RDO               |   |
| HQ Ops Officer: GREG SCARFO            |           | FRANK CONGEL EO                                  |   |
| Emergency Class: UNUSUAL EVENT         |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                        |           | JORDAN AEOD                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           | SPESSARD AEOD                                    |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 75         | Power Operation | 33         | Power Operation |

AT 0240 EDT, A NOUE WAS DECLARED DUE TO A 5 GPM LEAK FROM THE REACTOR COOLANT SYSTEM (RCS) TO THE REACTOR COOLING WATER (RCW) SYSTEM. NO HIGH RADIATION LEVELS HAVE BEEN MEASURED.

AT 0105 EDT, OPERATORS NOTICED THAT LEVEL IN A RCW SYSTEM (SIMILAR TO A COMPONENT COOLING WATER SYSTEM) TANK HAD INCREASED APPROXIMATELY 4-5 INCHES. AFTER SEVERAL ALARMS, THE CAUSE WAS DETERMINED TO BE RCS LEAKAGE OF APPROXIMATELY 4-5 GPM THROUGH THE "2" RECIRCULATION PUMP 3/4" HEAT EXCHANGER TO THE RCW. THE "2" RECIRCULATION PUMP WAS SUBSEQUENTLY TRIPPED AND ISOLATED. THE LICENSEE INITIATED A TECHNICAL SPECIFICATION (T/S) REQUIRED SHUTDOWN PER ACTION STATEMENT 4.1.2c. AT APPROXIMATELY 15% POWER, THE LICENSEE WILL MAKE A CONTAINMENT ENTRY INTO THE RECIRCULATION PUMP ROOM TO INVESTIGATE THE LEAKAGE AND DETERMINED WHETHER THE LEAK IS ISOLABLE OR PROCEED TO SHUTDOWN TO AFFECT REPAIRS.

AT THIS TIME, THERE ARE NO INDICATIONS OF HIGH RADIATION CONDITIONS IN THE RCW SYSTEM OR SEAL DAMAGE TO RECIRCULATION PUMP "2". THE UNIT HAS ENTERED T/S ACTION STATEMENT 4.1.2c (SHUTDOWN WITHIN 12 HOURS, COLD SHUTDOWN WITHIN 24 HOURS). THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE OF MICHIGAN AND CHARLEVOIX COUNTY HAVE BEEN NOTIFIED.

\*\*\* UPDATE 08/30/92 0519 EDT FROM LOE BY SCARFO \*\*\*

POWER AT THE PLANT IS APPROXIMATELY 13% AND A CONTAINMENT ENTRY INTO THE RECIRCULATION PUMP ROOM IS ONGOING TO ISOLATE THE LEAK.

\*\*\* 08/30/92 0733 EDT FROM ALEXANDER BY SCARFO \*\*\*

AN ISOLATION VALVE WAS CLOSED WHICH REDUCED THE LEAK TO BELOW 1 GPM. A SPARE HEAT EXCHANGER WAS FOUND ONSITE SO THE LICENSEE HAS DECIDED TO CONTINUE TO COLD SHUTDOWN AND REPLACE THE LEAKY HEAT EXCHANGER. IT IS ANTICIPATED THAT THE NOUE WILL

Power Reactor

Event # 24145

CONTINUE UNTIL EARLY NEXT WEEK (TUESDAY). THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R3DO(JABLONSKI) AND EO(CONGEL) NOTIFIED.

\*\*\*\* UPDATE @ 1657 EDT ON 08/30/92 BY HOUSLER TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 1645 EDT ON 08/30/92. THE BASIS FOR TERMINATION IS THE PLANT IS IN COLD SHUTDOWN AND THE LEAK HAS BEEN ISOLATED. THE LICENSEE PLANS ON REPLACING THE LEAKING HEAT EXCHANGER. THEY WILL CONDUCT A ROOT CAUSE INVESTIGATION INTO THE FAILURE OF THE HEAT EXCHANGER.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R3DO (JABLONSKI), EO (CONGEL), FEMA (BAGWELL).

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Power Reactor

Event # 24169

| Site: SALEM                         |            | Notification Date / Time: 09/03/1992 10:22 (EDT) |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Unit: 2                             | Region: 1  | State : NJ                                       | Event Date / Time: 09/03/1992 10:05 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 09/03/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: GWIRTZ             |            | Notifications: RULAND                            | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD      |            | CHAFFEE  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | HIRST  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                     |            | JORDAN   | AEOD                                      |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

THE LICENSEE HAD A REACTOR TRIP(AT 09:17) FROM 100% POWER ON A POWER RANGE RATE TRIP SIGNAL.

THE CAUSE OF THE TRIP IS UNKNOWN AND IS BEING INVESTIGATED BUT IT OCCURRED WHILE AN ENTRY WAS BEING MADE INTO THE CABINET FOR THE REACTOR TRIP BYPASS BREAKERS. ALL RODS FULLY INSERTED, THE AUX FEED WATER SYSTEM AUTO STARTED AND THE MSIVS WERE MANUALLY ISOLATED TO ASSIST IN THE POST TRIP COOLDOWN. TWO STEAM GENERATOR SAFETY VALVES LIFTED AT SETPOINT(1085LB), BUT WHEN THE REACTOR COOLED DOWN TO 547F WITH PRESSURE AT 1020LB THE VALVES DID NOT FULLY RESEAT, SO THEY DECLARED AN UNUSUAL EVENT(AT 10:05). ONE OF THE VALVES DID RESEAT AT 10:18 AND THEY ARE CONTINUING WITH A CONTROLLED SLOW COOLDOWN TO RESEAT THE OTHER VALVE. THE RCS TEMP IS UNDER CONTROL. THEY ARE GOING TO INVESTIGATE THE CAUSE OF THE STICKING VALVES. THE RI AND STATE AND LOCAL AGENCIES WERE INFORMED.

\*\*\*UPDATE AT 14:05 BY HARRIGAN TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 13:42 AFTER IT HAD BEEN VERIFIED THAT THE VALVES HAD FULLY SEATED.

\*\*\*\*\*

Power Reactor

Event # 24171

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SOUTH TEXAS                      |            | Notification Date / Time: 09/03/1992 13:02 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 4  | State : TX                                       | Event Date / Time: 09/03/1992 11:49 (CDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 09/03/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: HARDT                 |            | Notifications: JOHNSON RDO                       |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD         |            | CHAFFEE EO                                       |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | HIRST FEMA                                       |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 86  | Power Operation | 86         | Power Operation |

THE LICENSEE ENTERED TS 3.0.3 REQUIRED SHUTDOWN DOWN DUE TO THE FAILURE OF THE DIGITAL ROD POSITION INDICATION(DRPI).

THE LICENSEE DECLARED THE DIGITAL ROD POSITION INDICATION INOPERABLE WHEN ITS LIGHTS STARTED FLASHING ON AND OFF. THEY ENTERED TS 3.0.3 AT 10:49CT AND AT 11:49CT THE UE WAS DECLARED. THE LCO ACTION STATEMENT GIVES THEM 6HRS TO HOT STANDBY AFTER THE FIRST HOUR AND THEN THE NEXT 6HRS TO HOT SHUTDOWN AND THE FOLLOWING 24HRS TO COLD SHUTDOWN, HOWEVER, THEY WILL NOT COMMENCE SHUTDOWN UNTIL 13:49CT. THEY ARE TROUBLE SHOOTING THE PROBLEM AT THIS TIME AND WILL ATTEMPT TO CORRECT IT PRIOR TO COMMENCING SHUTDOWN. THE RI AND STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE AT 15:35 FROM HARDT TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 14:26CT WHEN THE DRPI WAS RETURNED TO SERVICE. REACTOR POWER HAD BEEN REDUCED TO 75%. THE RI WAS INFORMED.

\*\*\*\*\*

Power Reactor

Event # 24176

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SEQUOYAH                      |            | Notification Date / Time: 09/04/1992 03:29 (EDT) |   |                 |            |                 |
| Unit: 2                             | Region: 2  | State : TN                                       | Event Date / Time: 09/04/1992 02:30 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 09/04/1992                    |   |                 |            |                 |
| Containment Type: ICE COND          |            |  |   |                 |            |                 |
| NRC Notified by: EPPERSON           |            | Notifications: THOMAS PEEBLES RDO                |   |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN        |            | CECIL THOMAS EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | WITSBERGER FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | Yes  | 100                                       | Power Operation | 1          | Startup         |

UNIT 2 DECLARED AN UNUSUAL EVENT DUE TO A FIRE IN THE BUSHING OF THE "B" PHASE OF THE MAIN TRANSFORMER LASTING LONGER THAN 10 MINUTES.

"AT 0230EDT ON 4 SEPTEMBER 1992, A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED FOR SEQUOYAH UNIT 2. THE BASIS FOR THE DECLARATION WAS A FIRE ON A BUSHING ON "B" PHASE OF THE UNIT 2 MAIN TRANSFORMER WHICH LASTED MORE THAN 10 MINUTES. A UNIT SHUTDOWN WAS COMMENCED ACCORDING TO APPLICABLE ABNORMAL OPERATING INSTRUCTIONS IN ORDER TO UNLOAD THE TRANSFORMER. THE FIRE BEGAN AT 0214EDT AND WAS EXTINGUISHED AT 0241EDT. WATER WAS APPLIED UTILIZING HAND-HELD FIRE LINES TO COOL THE TRANSFORMER FOLLOWING DEENERGIZATION. THE REACTOR WAS INITIALLY OPERATING AT 100% RTP AND IS BEING MAINTAINED IN MODE 2 AT 1% RTP UTILIZING THE STEAM DUMP SYSTEM AS ITS HEAT SINK. ENTRY INTO MODE 2 WAS NECESSITATED IN ORDER TO ALLOW THE INJECTION OF AUXILIARY FEEDWATER INTO THE STEAM GENERATORS; MAIN FEEDWATER CAPABILITY WAS LOST WITH THE REACTOR POWER AT APPROXIMATELY 8% RTP WHEN ALL THREE STRINGS OF INTERMEDIATE PRESSURE CONDENSATE HEATERS ISOLATED ON HIGH LEVELS DUE TO THE SECONDARY SYSTEM PERTURBATION. THE UNIT IS BEING MAINTAINED IN A STABLE CONDITION WITHIN THE BOUNDS OF THE PLANT'S GENERAL OPERATING INSTRUCTIONS.

WITH THE FIRE EXTINGUISHED AND STABLE REACTOR CONDITIONS ESTABLISHED THE NOTIFICATION OF UNUSUAL EVENT WAS TERMINATED AT 0250EDT, 4 SEPTEMBER 1992."

ALL SOURCES OF OFFSITE POWER ARE AVAILABLE, ALL EDGs OPERABLE AND NO SAFETY EQUIPMENT IS OUT OF SERVICE. LICENSEE SUSPECTS THAT FIRE MAY HAVE BEEN CAUSED BY OIL AND IS CONTINUING INVESTIGATION. RESTART DATE IS UNKNOWN AT THIS TIME. THE LICENSEE INFORMED THE STATE AND WILL INFORM BOTH LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 0526EDT 9/4/92 FROM EPPERSON BY S.SANDIN \*\*\*

Power Reactor

Event # 24176

"AT 0256EDT, 4 SEPTEMBER 1992, AN ESF ACTUATION OCCURRED ON UNIT 2 WHEN MOTOR-DRIVEN AUXILIARY FEEDWATER PUMPS "2A-A" AND "2B-B" AND TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP "2A-S" WERE MANUALLY STARTED. WITH THE REACTOR AT 8% RTP, ALL THREE STRINGS OF INTERMEDIATE PRESSURE CONDENSATE HEATERS AUTOMATICALLY ISOLATED AS A RESULT OF HIGH LEVELS FOLLOWING A RAPID UNIT SHUTDOWN. ISOLATION OF THE HEATERS EFFECTIVELY ISOLATED THE RUNNING MAIN FEEDWATER PUMP'S SUCTION. THE AUXILIARY FEEDWATER PUMPS WERE STARTED AND REACTOR POWER WAS REDUCED TO 1% RTP (MODE 2) IN ORDER TO BE WITHIN THE CAPABILITIES OF THE AUXILIARY FEEDWATER PUMPS (THE MAIN FEEDWATER PUMP WAS MANUALLY TRIPPED TO PROTECT IT FROM LOSS-OF-NPSH DAMAGE). THE APPROPRIATE ABNORMAL OPERATING PROCEDURE WAS REFERRED TO. THE TURBINE-DRIVEN AUXILIARY FEEDWATER PUMP WAS REMOVED FROM SERVICE AT 0418EDT; IT REMAINS AVAILABLE FOR SERVICE IF NEEDED. SECONDARY HEAT SINK IS BEING MAINTAINED BY THE MOTOR-DRIVEN AUXILIARY FEEDWATER PUMPS, WHICH ARE OPERATING WELL WITHIN THEIR CAPABILITIES." THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R2DO(PEEBLES).

\*\*\*\*\*

Power Reactor

Event # 24184

|  |           |  |   |
|--|-----------|--|---|
| Site: SOUTH TEXAS                                |           | Notification Date / Time: 09/07/1992 06:34 (EDT) |   |
| Unit: 1  | Region: 4 | State : TX                                       | Event Date / Time: 09/07/1992 05:18 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP              |           | Last Modification: 09/07/1992                    |   |
| Containment Type: DRY AMB                        |           |  |   |
| NRC Notified by: WILLIAM BLAIR                   |           | Notifications: WILLIAM JOHNSON RDO               |   |
| HQ Ops Officer: THOMAS ANDREWS                   |           | CECIL THOMAS EO                                  |   |
| Emergency Class: UNUSUAL EVENT                   |           | BELCHER FEMA                                     |   |
| 10 CFR Section:                                  |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>RCS LEAKAGE |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 82         | Power Operation | 82         | Power Operation |

DECLARED UNUSUAL EVENT AT 0518 CDT BECAUSE OF UNIDENTIFIED REACTOR COOLANT SYSTEM LEAKAGE IN EXCESS OF 1 GALLON PER MINUTE.

THE CALCULATED LEAK RATE IS 1.185 GALLONS PER MINUTE. THIS IS COMPARABLE TO THE INDICATED SUMP LEVEL INCREASE OF APPROXIMATELY 1.2 GALLONS PER MINUTE. THE LICENSEE BELIEVES THE LEAKAGE IS FROM THE LOOP CHARGING ISOLATION VALVE TO LOOP "C" (VALVE NUMBER CV-MOV-0006). THE LICENSEE HAS BEEN WORKING ON A FLANGE LEAK ON THIS VALVE FOR THE PAST COUPLE OF DAYS, HOWEVER, THEY ARE NOT ABLE TO QUANTIFY THE LEAKAGE.

THERE ARE TWO CLASS 2 CHECK VALVES BETWEEN THE REACTOR COOLANT SYSTEM AND THE LEAKING VALVE. IN AN ATTEMPT TO REDUCE LEAKAGE, THE LICENSEE ISOLATED CHARGING AND LETDOWN. THIS PROVED TO BE INEFFECTIVE IN REDUCING LEAKAGE.

COINCIDENT WITH THE ISOLATION, A FLOW TRANSMITTER ON REACTOR COOLANT SYSTEM LOOP "B" FAILED LOW. THIS FLOW TRANSMITTER IS INSIDE THE BIOSHIELD, SO THE LICENSEE CANNOT IMMEDIATELY TELL IF IT IS NOW LEAKING TOO. LEAKAGE FROM THIS INSTRUMENT GOES TO THE SAME SUMP AS THE LEAKAGE FROM THE LOOP CHARGING ISOLATION VALVE THAT IS LEAKING.

ACCORDING TO THE TECHNICAL SPECIFICATIONS, THE LICENSEE HAS 4 HOURS TO REDUCE LEAKAGE TO BELOW 1 GALLON PER MINUTE OR QUANTIFY THE LEAKAGE FROM THE LEAKING VALVE. OTHERWISE, THEY WILL HAVE TO BE IN HOT STANDBY WITHIN THE FOLLOWING 6 HOURS.

ALL EMERGENCY CORE COOLING SYSTEMS ARE OPERABLE AND AVAILABLE IF THEY ARE NEEDED.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS NOT PLANNED AT THIS TIME.

\*\*\*\* UPDATE @ 0825 EDT ON 09/08/92 FROM BLAIR TAKEN BY ANDREWS \*\*\*\*

Power Reactor

Event # 24184

UNUSUAL EVENT TERMINATED AT 0715 CDT WHEN UNIDENTIFIED LEAK RATE WAS RESTORED WITHIN LIMITS. CURRENT UNIDENTIFIED LEAKAGE IS 0.188 GALLONS PER MINUTE. IDENTIFIED LEAKAGE IS 0 GALLONS PER MINUTE. THIS WAS ACCOMPLISHED BY REPAIRING THE VALVE.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AS WELL AS THE NRC RESIDENT INSPECTOR. THEY DO NOT PLAN ON MAKING A PRESS RELEASE.

HOO NOTIFIED R4DO (JOHNSON), EO (THOMAS), FEMA (BELCHER).

\*\*\*\*\*

Power Reactor

Event # 24187

|                                   |            |            |            |  |            |                 |
|-----------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: ARKANSAS NUCLEAR            |            |            |            | Notification Date / Time: 09/08/1992 07:18 (EDT) |            |                 |
| Unit: 2                           | Region: 4  | State : AR |            | Event Date / Time: 09/08/1992 06:09 (CDT)        |            |                 |
| Reactor Type: [1] B&W-L-LP,[2] CE |            |            |            | Last Modification: 09/08/1992                    |            |                 |
| Containment Type: DRY AMB         |            |            |            |  |            |                 |
| NRC Notified by: DAN CHURCHMAN    |            |            |            | Notifications: WILLIAM JOHNSON RDO               |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            |            |            | CECIL THOMAS EO                                  |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |            |            | AUSTIN FEMA                                      |            |                 |
| 10 CFR Section:                   |            |            |            | CHAFFEE EO                                       |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |            |            |  |            |                 |
| Unit                              | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                 | N          | No         | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED AT 0609 CDT WHEN A CONFIRMED CONTAMINATED INDIVIDUAL WAS TRANSPORTED OFFSITE VIA LOCAL AMBULANCE TO ST. MARY'S REGIONAL MEDICAL CENTER.

AN INDIVIDUAL WAS FOUND UNCONSCIOUS IN THE REACTOR BUILDING, POSSIBLY SUFFERING FROM HEAT STRESS. THE PROTECTIVE CLOTHING WAS REMOVED TO HELP COOL THE INDIVIDUAL. THE INDIVIDUAL WAS CLASSIFIED AS CONTAMINATED SINCE SURVEY READINGS ON HIS SKIN AND PERSONAL CLOTHING READ 300 COUNTS ABOVE BACKGROUND ON HIS ELBOWS AND 500 COUNTS ABOVE BACKGROUND ON HIS ARMS AND FEET. THE INDIVIDUAL WAS CONSCIOUS WHEN TRANSPORTED OFFSITE. HEALTH PHYSICS PERSONNEL ACCOMPANIED INDIVIDUAL TO HOSPITAL.

THE LICENSEE ANTICIPATES TERMINATING THE UNUSUAL EVENT WHEN THE PERSON IS DECONTAMINATED AT THE HOSPITAL.

THE LICENSEE HAS NOTIFIED THE ARKANSAS DEPARTMENT OF HEALTH AND THE LOCAL HOSPITAL. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. A PRESS RELEASE IS NOT ANTICIPATED AT THIS TIME.

\*\*\*\* UPDATE @ 0841 EDT ON 09/08/92 BY CUSACK TAKEN BY ANDREWS \*\*\*\*

CONTAMINATED INDIVIDUAL ARRIVED AT HOSPITAL AND WAS DECONTAMINATED. THE LICENSEE IS WAITING ON DISPOSITION OF THE CONTAMINATED MATERIALS BEFORE TERMINATING THE UNUSUAL EVENT.

HOO NOTIFIED R4DO (BARNES), EO (CHAFFEE).

\*\*\*\* UPDATE @ 0904 EDT ON 09/08/92 BY CUSACK TAKEN BY ANDREWS \*\*\*\*

UNUSUAL EVENT TERMINATED AT 0750 CDT AFTER DECONTAMINATING INDIVIDUAL AND EMERGENCY ROOM. CONTAMINATED MATERIALS HAVE BEEN BAGGED AND WILL BE TRANSPORTED BACK TO THE PLANT SITE BY THE LICENSEE HEALTH PHYSICS PERSONNEL WHO ACCOMPANIED THE INDIVIDUAL TO

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Power Reactor  
THE HOSPITAL.

Event # 24187

THE LICENSEE HAS NOTIFIED STATE, LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS NOT ANTICIPATED AT THIS TIME.

HOO NOTIFIED R4DO (BARNES), EO (CHAFFEE), FEMA (BAGWELL).

\*\*\*\*\*

Power Reactor

Event # 24205

|                                |                      |  |   |
|--------------------------------|----------------------|--|---|
| Site: PERRY                    |                      | Notification Date / Time: 09/10/1992 21:34 (EDT) |   |
| Unit: 1                        | Region: 3            | State : OH                                       | Event Date / Time: 09/10/1992 21:17 (EDT) |
| Reactor Type: [1] GE-6         |                      | Last Modification: 09/10/1992                    |   |
| Containment Type: MARK III     |                      |  |   |
| NRC Notified by: ELLIOT        |                      | Notifications: WILLIAM SNELL RDO                 |   |
| HQ Ops Officer: GREG SCARFO    |                      | GUS LAINAS EO                                    |   |
| Emergency Class: UNUSUAL EVENT |                      | WRIGHT FEMA                                      |   |
| 10 CFR Section:                |                      |  |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   |  |   |
| 50.72(b)(2)(ii)                | ESF ACTUATION        |  |   |
| 50.72(b)(2)(ii)                | RPS ACTUATION        |  |   |
| 50.72(b)(2)(vi)                | OFFSITE NOTIFICATION |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

AT 2117EDT, AN NOUE WAS DECLARED DUE TO THE ACTUATION OF THE HIGH PRESSURE CORE SPRAY (HPCS) SYSTEM AFTER THE LOSS OF A REACTOR FEED PUMP (RFP) DUE TO A LUBE OIL SYSTEM FAILURE.

AT 2117EDT, AN NOUE WAS DECLARED WHEN A RUPTURED LUBE OIL LINE RESULTED IN A LOW LUBE OIL PRESSURE TRIP OF TURBINE-DRIVEN RFP "B". AS REACTOR WATER LEVEL DECREASED, THE MOTOR-DRIVEN RFP WAS STARTED TO SUPPLEMENT THE FEEDWATER FLOW PROVIDED BY THE REMAINING TURBINE-DRIVEN RFP "A". HOWEVER, LEVEL DROPPED TO LEVEL 3 (178") WHERE A REACTOR SCRAM OCCURRED. ALL RODS FULLY INSERTED ON THE SCRAM. THE RESULTING SHRINK AND CONTINUED REACTOR LEVEL DROP CAUSED LEVEL TO FALL BELOW THE LEVEL 2 (130") SETPOINT AT WHICH TIME HPCS INITIATED, REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM INITIATED, "BALANCE-OF-PLANT" ISOLATIONS OCCURRED, AND THE DIVISION 3 EMERGENCY DIESEL GENERATOR (EDG) STARTED (BUT DID NOT LOAD). HPCS AND RCIC INJECTED INTO THE VESSEL. WHEN RCIC & HPCS ON LEVEL 2 REACTOR FEEDWATER PUMP TURBINE TRIPPED AS DESIGNED. RCIC INJECTED APPROXIMATELY 4200 GALLONS INTO THE REACTOR VESSEL. THE BASIS FOR THE DECLARATION OF NOUE WAS HPCS & RCIC INJECTING INTO REACTOR VESSEL.

AS REACTOR VESSEL WATER LEVEL RECOVERED, THE HPCS SYSTEM WAS MANUALLY SECURED AFTER INJECTING APPROXIMATELY 20,000 GALLONS. REACTOR VESSEL WATER LEVEL CONTINUED TO INCREASE TO LEVEL 8 (219") AFTER HPCS WAS SECURED. WHEN REACTOR VESSEL WATER LEVEL REACHED LEVEL 8 RCIC ISOLATED. REACTOR VESSEL WATER LEVEL WAS THEN ALLOWED TO SLOWLY DECREASE TO ABOUT 200" (NORMAL OPERATING WATER LEVEL) AT WHICH TIME LICENSEE STARTED THEIR MOTOR DRIVEN REACTOR FEEDWATER PUMP IN SINGLE ELEMENT CONTROL TO MAINTAIN PROPER REACTOR VESSEL WATER LEVEL.

THE UNIT IS STABLE IN HOT SHUTDOWN AT THIS TIME. HEAT IS BEING DISSIPATED TO THE CONDENSER VIA THE STEAM BYPASS SYSTEM. OFFSITE POWER IS AVAILABLE AND THE EDGs ARE FULLY OPERABLE. THE DIVISION 3 EDG CONTINUES TO OPERATE AND WILL RUN FOR

Power Reactor

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APPROXIMATELY ONE HOUR PER PROCEDURE. REACTOR WATER LEVEL IS BEING MAINTAINED VIA A STARTUP FEED SYSTEM THROUGH THE FEED BYPASS VALVE.

AN INVESTIGATION OF THE LOSS OF LUBE OIL PRESSURE IS ONGOING. THE CRITERIA FOR TERMINATION OF THE NOUE IS SECURED ECCS SYSTEMS AND A STABLE UNIT IN HOT SHUTDOWN. THE STATE, COUNTIES, AND LOCAL MUNICIPALITIES WERE NOTIFIED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 09/10/92 2256EDT FROM:ELLIOT BY:SCARFO \*\*\*

THE LICENSEE TERMINATED THE NOUE AT 2247EDT WHEN THE PLANT WAS DECLARED AS STABLE AND ALL ECCS SYSTEMS WERE SECURED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. EO(LAINAS), R3DO(SNELL), AND FEMA(WRIGHT) NOTIFIED.

\*\*\*UPDATE @ 0042EDT 09/11/92 BY MALCHAK TAKEN BY MACKINNON\*\*\*

LICENSEE WILL MAKE A PRESS RELEASE ON THIS EVENT. RESIDENT INSPECTOR WAS NOTIFIED OF THIS BY THE LICENSEE. R3DO(BILL SNELL) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 24244

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: FERMI                       |            | Notification Date / Time: 09/15/1992 22:40 (EDT) |   |                 |            |                 |
| Unit: 2                           | Region: 3  | State : MI                                       | Event Date / Time: 09/15/1992 22:12 (EDT) |                 |            |                 |
| Reactor Type: [2] GE-4            |            | Last Modification: 09/15/1992                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: GORDON NADER     |            | Notifications: JOHN JACOBSON RDO                 |   |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN      |            | PHILLIP MCKEE EO                                 |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | WITSBERGER FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL    |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | N          | No   | 0   | Refueling       | 0          | Refueling       |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE MEDICAL TRANSPORT OFFSITE OF AN INJURED, CONTAMINATED WORKER.

A WORKER PUNCTURED HIS HAND WITH LOCKWIRE WHICH IS SLIGHTLY RADIOACTIVE WHILE PERFORMING WORK IN THE DRYWELL. THE WOUND WAS COVERED AND THE WORKER TRANSPORTED TO SEAWAY HOSPITAL IN TRENTON, MI FOR TREATMENT. THE HOSPITAL WILL DECON THE WORKER AND NOTIFY THE LICENSE WHO WILL AT THAT TIME TERMINATE THE UNUSUAL EVENT. THE LICENSEE INFORMED THE STATE OF MICHIGAN, WAYNE AND MONROE COUNTIES, CANADA AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 2329EDT 9/15/92 FROM NADER BY S.SANDIN \*\*\*

LICENSEE IS CORRECTING THE INITIAL REPORT TO SHOW THAT THE CONTAMINATED INDIVIDUAL WAS WORKING IN THE STEAM TUNNEL (SAME RAD CONTROL POINT) AND THAT HE HAD ALARMED A TOOL FRISKER. A HAND FRISKER SHOWED LESS THAN 100CPM ABOVE BACKGROUND. ALSO, HE WAS ACCOMPANIED TO THE HOSPITAL BY TWO (2) HP TECHNICIANS FROM THE SITE.

\*\*\* UPDATE 09/16/92 @ 01:32 BY NADER TO GOULD \*\*\* THE NOUE WAS TERMINATED AT 00:50 AFTER THE CONTAMINATED LOCKWIRE WAS REMOVED FROM HIS HAND AND RETURNED TO THE SITE. AFTER THE LOCKWIRE WAS REMOVED, THERE WERE NO SIGNS OF CONTAMINATION TO THE INJURED PERSON. THE RI STATE AND LOCAL AGENCIES WERE NOTIFIED.

NOTE: THE PATIENT WAS TAKEN TO MERCY MEMORIAL HOSPITAL INSTEAD OF SEAWAY HOSPITAL.

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Power Reactor

Event # 24253

|  |           |  |   |
|--|-----------|--|---|
| Site: ZION                             |           | Notification Date / Time: 09/17/1992 18:44 (EDT) |   |
| Unit: 1                                | Region: 3 | State : IL                                       | Event Date / Time: 09/17/1992 17:05 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 09/17/1992                    |   |
| Containment Type:                      |           |  |   |
| NRC Notified by: JAMISON RAPPEPORT     |           | Notifications: JOHN JACOBSON RDO                 |   |
| HQ Ops Officer: THOMAS ANDREWS         |           | LEDYARD MARSH EO                                 |   |
| Emergency Class: UNUSUAL EVENT         |           | AL AUSTIN FEMA                                   |   |
| 10 CFR Section:                        |           | RICHARD BARRETT NRR                              |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 93         | Power Operation | 92         | Power Operation |

AT 1705 CDT, THE LICENSEE DECLARED UNUSUAL EVENT DUE TO PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATION 3.0.3 AFTER THEY DISCOVERED DEBRIS IN THEIR AUXILIARY FEEDWATER HEADER. THE DEBRIS WAS IDENTIFIED AS PART OF THE THRUST RING FROM THE STEAM DRIVEN AUXILIARY FEEDWATER PUMP.

THE STEAM DRIVEN AUXILIARY FEEDWATER PUMP AND ITS ASSOCIATED HEADER HAVE BEEN DECLARED INOPERABLE. AS SUCH, THE LICENSEE ENTERED TECHNICAL SPECIFICATION 3.0.3. LCO WHICH REQUIRES THEM TO BE IN HOT SHUTDOWN (MODE 3) WITHIN 5 HOURS. THEY HAVE INITIATED A PLANT SHUT DOWN AT 1/4% PER MINUTE.

ALL SAFETY SYSTEMS ARE OPERABLE (WITH EXCEPTION OF THE STEAM DRIVEN AUXILIARY FEEDWATER PUMP AND HEADER). BOTH OF THE ELECTRIC DRIVEN AUXILIARY FEEDWATER PUMPS AND ONE AUXILIARY FEEDWATER PUMP HEADER IS OPERABLE. THE GRID IS STABLE AND OFFSITE POWER IS AVAILABLE.

THE LICENSEE PLANS ON GOING TO MODE 4 OR 5 TO FIX THE PUMP. THE UNUSUAL EVENT WILL PROBABLY BE TERMINATED WHEN THE PLANT ENTERS MODE 4.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AS WELL AS THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS NOT PLANNED AT THIS TIME.

\*\*\*\* UPDATE @2300 EDT ON 09/17/92 \*\*\*\*

PLANT WENT SUBCRITICAL AT APPROXIMATELY 2133 CDT. PLANT COOLDOWN IS IN PROGRESS. THE PLANT IS NOT EXPECTED TO BE IN MODE 4 UNTIL SOMETIME TOMORROW MORNING (09/18/92). WHILE SHUTTING DOWN, CONTROL ROD H8 SLIPPED FROM POSITION 194 TO 179. THERE WERE NO OTHER PROBLEMS ENCOUNTERED DURING THE SHUTDOWN.

HOO NOTIFIED R3DO (JACOBSON), EO (MARSH)

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Power Reactor

Event # 24253

\*\*\*\* UPDATE @ 1403 EDT ON 09/18/92 BY BREEN TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 0717 CDT WHEN THE PLANT ENTERED MODE 4 (COLD SHUTDOWN). THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED. A PRESS RELEASE IS NOT PLANNED.

HOO NOTIFIED R3DO (JACOBSON), EO (CHAFFEE), FEMA (AUSTIN)

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Power Reactor

Event # 24272

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 09/20/1992 06:03 (EDT) |   |
| Unit: 1 2                           | Region: 5 | State : CA                                       | Event Date / Time: 09/20/1992 01:30 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 09/20/1992                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: PIERCE             |           | Notifications: KEN PERKINS RDO                   |   |
| HQ Ops Officer: JOHN MacKINNON      |           | TAD MARSH EO                                     |   |
| Emergency Class: UNUSUAL EVENT      |           | EARL FEMA  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

DEDICATED TIE LINE AND COMMERCIAL AT&T LINE TO CALIFORNIA OFFICE OF EMERGENCY SERVICE LOSS CAUSED BY AN AUTOMOBILE ACCIDENT (TOOK OUT TELEPHONE POLE LOCATED IN SACRAMENTO, CA). UNUSUAL EVENT TERMINATED AT 0225 PDT.

AT APPROXIMATELY 0130 PDT CONTROL ROOM WAS NOTIFIED BY THEIR WIRE CHIEF (COMMUNICATION PEOPLE WORKING FOR LICENSEE) INFORMING THEM THAT THEY MAY HAVE A COMMUNICATION PROBLEM WITH CA OFFICE OF EMERGENCY SERVICE (OES). CONTROL ROOM TRIED TO NOTIFY CA OES VIA DEDICATED AND COMMERCIAL LINES BUT BOTH WERE OUT OF SERVICE. LICENSEE DECLARED AN UNUSUAL EVENT AT 0208 PDT PER G-1 EMERGENCY ACTION LEVEL CLASSIFICATION PROCEDURE. LICENSEE NOTIFIED SAN LUIS OBISPO SHERIFF DEPARTMENT OF THEIR PROBLEM. SHERIFF DEPARTMENT CONTACTED CA OES FOR LICENSEE AND INFORMED OF THE COMMUNICATION LOSS. SAN LUIS OBISPO SHERIFF HAS ESTABLISHED A TEMPORARY COMMUNICATION LINK BETWEEN LICENSEE AND CA OES. LICENSEE TERMINATED THE UNUSUAL EVENT AT 0225 PDT AFTER TEMPORARY COMMUNICATIONS WERE ESTABLISHED BETWEEN THEM AND CA OES. LICENSEE NOTIFIED STATE, AND LOCAL AGENCIES OF THEIR UNUSUAL EVENT CLASSIFICATION. RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 24283

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CLINTON                     |           | Notification Date / Time: 09/22/1992 10:58 (EDT) |   |
| Unit: 1                           | Region: 3 | State : IL                                       | Event Date / Time: 09/22/1992 09:15 (CDT) |
| Reactor Type: [1] GE-6            |           | Last Modification: 09/22/1992                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: JOE YANELLO      |           | Notifications: MARK RING                         | RDO                                       |
| HQ Ops Officer: JOHN MacKINNON    |           | CHAFFEE  | EO  |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS   | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

INJURED POTENTIALLY CONTAMINATED PERSON TRANSPORTED OFFSITE VIA AMBULANCE TO JOHN WARNER HOSPITAL, CLINTON, IL.

A PERSON FELL AND HIT HER HEAD IN 'C' ZONE TENT AREA LOCATED IN A STEAM ZONE. HEALTH PHYSICS CONSIDERED HER POTENTIALLY CONTAMINATED AND HAD HER WITH THE COMPANY OF SOME HEALTH PHYSICISTS TRANSPORTED OFFSITE TO JOHN WARNER HOSPITAL. LICENSEE DID NOT KNOW THE EXTENT OF HER HEAD INJURIES AND WHAT HER FUNCTION IS WITH THE PLANT. LICENSEE NOTIFIED STATE OF THIS EVENT. LICENSEES' RESIDENT INSPECTOR IS BACK AT REGION OFFICE AND THEY WILL CONTACT HIM THEIR AND INFORM HIM OF THIS EVENT.

\*\*\* UPDATE 09/22/92 1146EDT FROM:YANELLO BY:SCARFO \*\*\*

THE LICENSEE TERMINATED THE NOUE AT 1020CDT WHEN IT WAS DETERMINED THAT THE WORKER WAS NOT CONTAMINATED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE ILLINOIS EMERGENCY MANAGEMENT AGENCY WAS NOTIFIED. R3DO(RING), FEMA(LOUZONIS), AND NRR EO(ROSSI) NOTIFIED. THE LICENSEE WILL ISSUE A PRESS RELEASE.

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Power Reactor

Event # 24320

|  |  |  |  |
|--|--|--|--|
| Site: MILLSTONE                          |  | Notification Date / Time: 09/27/1992 22:59 (EDT) |  |
| Unit: 1 2 3 Region: 1 State : CT         |  | Event Date / Time: 09/27/1992 22:43 (EDT)        |  |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |  | Last Modification: 09/28/1992                    |  |
| Containment Type: MARK I DRY AMB DRY SUB |  |  |  |
| NRC Notified by: DWANE BASLER            |  | Notifications: LARRY NICHOLSON RDO               |  |
| HQ Ops Officer: RUDY KARSCH              |  | BRIAN GRIMES EO                                  |  |
| Emergency Class: UNUSUAL EVENT           |  | CHARLES BAGWELL FEMA                             |  |
| 10 CFR Section:                          |  |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |  |  |  |
| 50.72(b)(2)(v) OFFSITE MEDICAL           |  |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO TRANSPORT BY AMBULANCE OF A CONTAMINATED INJURED INDIVIDUAL TO A LOCAL HOSPITAL.

A WORKER IN THE UNIT 2 AREA FELL 7 FEET AND HURT HIS BACK. THE NATURE OF THE INJURY PRECLUDED REMOVAL OF HIS PROTECTIVE CLOTHING. A HEALTH PHYSICS TECHNICIAN ACCOMPANIED THE INJURED INDIVIDUAL TO THE LAWRENCE MEMORIAL HOSPITAL IN NEW LONDON, CONN. THE LEVEL OF CONTAMINATION AND THE NUCLIDES INVOLVED ARE NOT KNOWN AT THIS TIME. STATE AND LOCAL GOVERNMENTS HAVE BEEN NOTIFIED, AND THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE AT 00:44 BY SHOLLER TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 00:25 WHEN THE CONTAMINATED CLOTHING WAS REMOVED FROM THE INJURED PERSON WHO WAS DETERMINED NOT TO BE CONTAMINATED.

\*\*\*\*\*

Power Reactor

Event # 24337

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 09/30/1992 00:28 (EDT) |   |                 |            |                 |
| Unit: 3                                  | Region: 1  | State : CT                                       | Event Date / Time: 09/29/1992 23:47 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 10/01/1992                    |   |                 |            |                 |
| Containment Type: DRY SUB                |            |  |   |                 |            |                 |
| NRC Notified by: O'CONNELL/OLSON         |            | Notifications: WILLIAM RULAND RDO                |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN          |            | EDWARD BUTCHER EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | LOUZONIS FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3  | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

TECH SPEC REQUIRED SHUTDOWN DUE TO BOTH TRAINS OF THE SUPPLEMENTARY LEAK COLLECTION AND RELEASE SYSTEM(SLCRS) BEING DECLARED INOPERABLE.

THE PLANT HAS COMMENCED A TECH SPEC REQUIRED SHUTDOWN IN ACCORDANCE WITH TECH SPEC 3.0.3 AFTER DECLARING BOTH TRAINS OF SLCRS INOPERABLE. PER THE LICENSEE'S EMERGENCY PLANS, A TECH SPEC REQUIRED SHUTDOWN IS CLASSIFIED AS AN UNUSUAL EVENT. SLCRS WAS DECLARED INOPERABLE AFTER AS A RESULT OF IMPROPER SURVEILLANCE TESTING.

SLCRS IS A SUPPLEMENTARY VENTILATION SYSTEM USED TO CONTAIN POTENTIAL RADIOACTIVE RELEASES IN BUILDINGS OUTSIDE OF CONTAINMENT (eg-AUX BUILDING; ESF BUILDING; CONTAINMENT ENCLOSURE BUILDING;etc) BY ESTABLISHING A NEGATIVE PRESSURE IN THE BUILDINGS AND DISCHARGING AIR THROUGH CHARCOAL FILTER UNITS. PER TECH SPEC 3.6.6.1 IT IS REQUIRED TO BE OPERABLE IN MODES 1 THROUGH 4.

ENGINEERING REVIEW OF THE SURVEILLANCE FOR THE SLCRS SYSTEM QUESTIONED THE TESTING METHODOLOGY AND, CONSEQUENTLY, THE SURVEILLANCE TESTS WERE PERFORMED USING REVISED CONDITIONS. THESE CHANGES RELATED TO ENSURING THAT THE SURVEILLANCE WAS CONDUCTED WITH THE SYSTEM STARTING AT A TRUE STANDBY CONFIGURATION. PREVIOUS TESTING WAS APPARENTLY DONE WITH SOME EQUIPMENT POSITIONED IN THE ACTUATED CONDITION. BASED ON THE NEW SURVEILLANCE PROCEDURE, THE SLCRS SYSTEM WAS UNABLE TO ACHIEVE THE TECH SPEC REQUIRED 1/4 INCH OF VACUUM IN BUILDING PRESSURES WITHIN A SPECIFIED 50 SECOND TIME FRAME FOLLOWING ACTUATION (LICENSEE DID NOT KNOW HOW LONG IT TOOK TO REACH THE REQUIRED PRESSURE). BOTH TRAINS WERE DECLARED INOPERABLE AT 23:47 EDT.

THE LICENSEE IS PLANNING TO GO TO COLD SHUTDOWN TO RESOLVE THE ISSUE AT WHICH TIME THE UE WILL BE TERMINATED. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. THE RESIDENT INSPECTOR HAS ALSO BEEN INFORMED.

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Power Reactor

Event # 24337

\*\*\*UPDATE FROM LICENSEE:NANIEWICZ TO NRC:HUFFMAN @ 08:30 EDT ON 10/1/92\*\*\*  
THE UNUSUAL EVENT WAS TERMINATED AT 08:14 EDT UPON REACHING COLD SHUTDOWN  
CONDITIONS. LICENSEE WILL REMAIN AT COLD SHUTDOWN UNTIL THE SLCRS ACTUATION TIME  
ISSUE IS RESOLVED. THE NRC RESIDENT, STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED.  
R1DO(RULAND), EO(CHAFFEE), AND FEMA(HIRST) INFORMED.

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Power Reactor

Event # 24345

|  |                      |  |  |
|--|----------------------|--|--|
| Site: OCONEE   |                      | Notification Date / Time: 09/30/1992 16:20 (EDT) |  |
| Unit: 1 2  | Region: 2 State : SC | Event Date / Time: 09/30/1992 14:19 (EDT)        |  |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |                      | Last Modification: 09/30/1992                    |  |
| Containment Type: DRY AMB DRY AMB                    |                      |  |  |
| NRC Notified by: BILL KNIGHT                         |                      | Notifications: PIERCE SKINNER RDO                |  |
| HQ Ops Officer: TIM McGINTY                          |                      | AL CHAFFEE EO                                    |  |
| Emergency Class: UNUSUAL EVENT                       |                      | EARL FEMA  |  |
| 10 CFR Section:                                      |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |                      |  |  |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS               |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 83         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 98         | Power Operation |

AT 1419 EDT ON 9/30/92, A UNIT 1 SHUTDOWN WAS INITIATED DUE TO INOPERABILITY OF THE LPI SYSTEM. A UNIT 2 SHUTDOWN COMMENCED AT 1600 EDT FOR THE SAME REASON. THE LICENSEE DECLARED AND TERMINATED AN UNUSUAL EVENT AT 1610 EDT BASED ON THEIR EMERGENCY PLAN REQUIRING A UE FOR TS REQUIRED SHUTDOWNS, AND TERMINATING THE UE ONCE THE SHUTDOWNS WERE STARTED. A 24 HOUR LCO WAS ENTERED ON UNITS 1 & 2 YESTERDAY (9/29/92) AT 1510 EDT, AND AN EVENT REPORT MADE (SEE RELATED EVENTS 24334 & 24263). THE EVENT INVOLVES LOW PRESSURE SERVICE WATER (LPSW) PUMP FLOW CALCULATIONS (LPSW SUPPLIES COOLING WATER TO LPI COOLERS).

UNITS 1 & 2 ARE REQUIRED TO BE IN HOT SHUTDOWN BY 0310 EDT ON 10/1/92. A REGIONAL WAIVER OF COMPLIANCE IS BEING PURSUED AT THIS TIME TO ALLOW CONTINUED OPERATION OF UNITS 1 & 2 AT A REDUCED POWER LEVEL WHILE ADDITIONAL LPSW SYSTEM TESTING IS PERFORMED. UNIT 3 IS CURRENTLY AT 47% POWER AND UNAFFECTED BY THIS PROBLEM. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR.

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Fuel Cycle Facility

Event # 24347

|                                    |  |  |      |
|------------------------------------|--|--|------|
| Facility: GENERAL ELECTRIC CO.     |  | Notification Date / Time: 09/30/1992 19:56 (EDT) |      |
| Licensee: GENERAL ELECTRIC CO.     |  | Event Date / Time: 09/30/1992 16:30 (EDT)        |      |
| Fac Type: URANIUM FUEL FABRICATION |  | Last Modification: 09/30/1992                    |      |
| Region: 2                          |  | Docket #: 07001113                               |      |
| City: WILMINGTON                   |  | Agreement State: Yes                             |      |
| County: NEW HANOVER                |  | License #: SNM-1097                              |      |
| State: NC                          |  |  |      |
| NRC Notified by: RICK FOLECK       |  | Notifications: PIERCE SKINNER                    | RDO  |
| HQ Ops Officer: TIM McGINTY        |  | WILLIAM BRACH                                    | EO   |
| Emergency Class: UNUSUAL EVENT     |  | D'AMICO  | FEMA |
| 10 CFR Section:                    |  | BROCKMAN   | AEOD |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |  |  |      |

UE DECLARED WHEN CHEMICAL TANK AT AIRCRAFT PARTS MANUFACTURING FACILITY (SHARED WITH GE NUCLEAR FUELS) GAVE OFF FUMES.

THE GE NUCLEAR FUEL FACILITY IN WILMINGTON, NC, MADE AN INFORMATION CALL FOR A SITUATION THAT IS NOT REPORTABLE. THE GE FUEL FACILITY SHARES ITS LOCATION WITH AN AIRCRAFT ENGINE PARTS MANUFACTURING BUSINESS IN WILMINGTON. AT 1630 EDT, A CHEMICAL TANK HALF-FULL OF SPENT ETCH WASTE AT THE AIRCRAFT ENGINES PARTS FACILITY RECEIVED SOME NON-COMPATIBLE BASIC SOLUTION. THE TANK WAS GIVING OFF SOME FUMES AND YELLOW SMOKE. THE AIRCRAFT FACILITY OPERATORS SECURED AND ISOLATED THE AREA. THE SITE EMERGENCY ORGANIZATION WAS ASSEMBLED (THE TWO FACILITIES SHARE THE SAME EMERGENCY ORGANIZATION/PLAN). AT ABOUT 1800 EDT, THE SITUATION WAS CLASSIFIED AS AN UNUSUAL EVENT.

THERE HAVE BEEN NO INJURIES OR DAMAGE TO EQUIPMENT AS A RESULT. THE FUMES ARE SUBSIDING AT THIS TIME, AND ARE NOT CONSIDERED TO BE A SAFETY PROBLEM. THE FUMES WERE SAMPLED (APPROXIMATELY 1 ppm NITROGEN OXIDE) AND ARE NOT CONSIDERED TO BE A SAFETY PROBLEM. THERE HAS BEEN NO MEDIA INTEREST IN THE EVENT AND A PRESS RELEASE IS NOT EXPECTED TO BE MADE. THE SITUATION DOES NOT INVOLVE THE NUCLEAR MANUFACTURING FACILITY, AND THE TANK IN QUESTION IS APPROXIMATELY A HALF-MILE AWAY FROM THE NUCLEAR FUELS FACILITY. THE LICENSEE IS IN THE PROCESS OF STEPPING DOWN FROM THE UNUSUAL EVENT STATUS.

\*\*\* UPDATE DATE/TIME: 9/30/92 @ 2027 \*\*\* FROM LICENSEE: FOLECK BY McGINTY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT WHEN ALL OF THE PRE-ESTABLISHED CRITERIA WERE MET AT 2025 EDT. HOO NOTIFIED R2DO (SKINNER), NMSS EO (BRACH), AEOD (BROCKMAN) AND FEMA (D'AMICO).

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Power Reactor

Event # 24405

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SOUTH TEXAS                   |           | Notification Date / Time: 10/12/1992 09:30 (EDT) |   |
| Unit: 1                             | Region: 4 | State : TX                                       | Event Date / Time: 10/12/1992 08:08 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/12/1992                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: WILLIAM HUMPHREYS  |           | Notifications: BLAINE MURRAY RDO                 |   |
| HQ Ops Officer: MARK MILLER         |           | JAMES RICHARDSON EO                              |   |
| Emergency Class: UNUSUAL EVENT      |           | HOWARD EARL FEMA                                 |   |
| 10 CFR Section:                     |           | KEN BROCKMAN AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

# UNUSUAL EVENT DECLARED DUE TO INOPERABILITY OF ALL EMERGENCY DIESEL GENERATORS (EDG'S)

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE DECLARING THE #13 EDG INOPERABLE DUE TO A FAILURE OF AN AIR REGULATOR IN THE NON-ESSENTIAL AIR SYSTEM. THE REGULATOR FAILURE RESULTS IN AN INABILITY TO TRIP THE EDG FROM THE CONTROL ROOM; HOWEVER, THE EDG CAN STILL BE STARTED AND LOADED AND TRIPPED LOCALLY AT THE FUEL RACKS. PRIOR TO THE REGULATOR FAILURE, THE #11 EDG WAS (AND STILL IS) INOPERABLE DUE TO MAINTENANCE. THE # 12 EDG IS INOPERABLE DUE TO THE FAILURE OF A POST MAINTENANCE TEST.

THE UNIT IS CURRENTLY DEFUELED AND BOTH TRAINS OF SPENT FUEL POOL COOLING ARE AVAILABLE. ALL OFFSITE POWER SOURCES ARE OPERABLE. THE LICENSEE STATED THAT THE UNUSUAL EVENT WILL BE TERMINATED UPON RESTORATION OF ONE EDG.

STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. THE RESIDENT INSPECTOR WILL BE INFORMED.

\*\*\*UPDATE AT 1152 EDT ON 10/12/92 FROM HUMPHREYS TO MILLER\*\*\*

UE TERMINATED AT 1040 CDT WHEN THE FAILED REGULATOR WAS REPLACED AND APPROPRIATE POST MAINTENANCE TESTING WAS COMPLETED. R4DO (MURRY), FEMA(EARL), EO(RICHARDSON), NOTIFIED. THE RESIDENT INSPECTOR HAS BEEN INFORMED.

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Power Reactor

Event # 24420

|                                      |            |  |   |                 |            |                 |
|--------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: WASHINGTON NUCLEAR             |            | Notification Date / Time: 10/13/1992 22:58 (EDT) |   |                 |            |                 |
| Unit: 2                              | Region: 5  | State : WA                                       | Event Date / Time: 10/13/1992 18:03 (PDT) |                 |            |                 |
| Reactor Type: [2] GE-5               |            | Last Modification: 10/14/1992                    |   |                 |            |                 |
| Containment Type: MARK II            |            |  |   |                 |            |                 |
| NRC Notified by: ED NEASHAM          |            | Notifications: FORREST HUEY                      | RDO                                       |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH          |            | STEVEN VARGA                                     | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT       |            | BAGWELL  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                      |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |  |   |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |  |   |                 |            |                 |
| Unit                                 | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                    | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED FOR ADMINISTRATIVE REASONS DUE TO INCREASED PLANT AWARENESS AND TO FOCUS THE NEED FOR ADDITIONAL PERSONNEL TO WORK ON THIS EVENT.

APPROXIMATELY 100 GALLONS OF 8% SODIUM HYPOCHLORITE (HOUSEHOLD BLEACH) WAS PUMPED INTO A 6000 GALLON TANK CONTAINING "CALGON PCL-8125" (AN IONIC POLYMER USED FOR CIRC WATER TREATMENT) DUE TO HUMAN ERROR (HOOKED UP TO THE WRONG CONNECTION). A VIOLENT EXOTHERMIC CHEMICAL REACTION OCCURRED, THE TANK HATCH BLEW OPEN, AND A WHITE VAPOR ESCAPED. THE AREA AROUND THE TANK AND DOWN WIND HAD A "SWEET MAPLE SYRUPY" SMELL. THE LICENSEE EVACUATED THE IMMEDIATE AREA OF THE TANK AND CLEARED THE AREA DOWN WIND ON THEIR PROPERTY.

FIVE PEOPLE WERE EXPOSED TO THE VAPORS AND ARE BEING EVALUATED AT A LOCAL HOSPITAL. THE LICENSEE'S CONSULTANT STATED THAT THE GASES RELEASED COULD BE IRRITATING, BUT ARE NOT TOXIC. THERE IS NO RISK TO THE PUBLIC OF EXPOSURE TO THE GAS BECAUSE OF THE DISTANCE SEPARATING THE TANK AND THE SITE BOUNDARY (APPROX 10 MILES).

THE TANK MIGHT BE CRACKED, BUT THE LICENSEE DOES NOT THINK THE TANK IS LEAKING. THE UNUSUAL EVENT WILL BE TERMINATED WHEN PLANT MANAGEMENT DECIDES THAT CONDITIONS HAVE STABILIZED. THE LICENSEE INFORMED STATE AND LOCAL GOVERNMENT AGENCIES, THE DEPT OF ENERGY, AND WILL NOTIFY THE NRC RESIDENT INSPECTOR. THEY WILL ALSO ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 0522 ON 10/14/92 BY NEASHAM ENTERED BY HOO JOLLIFFE \*\*\*

THE TANK TRUCK CONTAINING THE SODIUM HYPOCHLORITE HAS BEEN DISCONNECTED FROM THE CALGON TANK AND 1000 GALLONS OF FRESH WATER HAS BEEN PUMPED INTO THE CALGON TANK TO DILUTE THE CONTENTS. THE CONTENTS OF THE CALGON TANK HAVE BEEN ISOLATED FROM THE COOLING TOWERS. THE CALGON TANK HAS COOLED DOWN FROM THE REACTION TO ALMOST

Power Reactor

Event # 24420

AMBIENT TEMPERATURE. THE CALGON TANK HAS BEEN INSPECTED; NO APPARENT DAMAGE. AN EVALUATION OF THE CALGON TANK CONTENTS WILL BE PERFORMED ON THE DAY SHIFT.

THE AREA AROUND THE CALGON TANK HAS BEEN LOCKED OFF TO ALL PERSONNEL. ALL PERSONNEL WHO RECEIVED MEDICAL EVALUATIONS HAVE BEEN RELEASED FROM THE HOSPITAL WITH NO ILL EFFECTS.

AT 0210 (PDT) ON 10/14/92, LICENSEE TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED LOCAL DOE OFFICIALS AND STATE & LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R5DO HUEY, NRR EO VARGA, AND FEMA SULLIVAN.

\*\*\*\*\*

Power Reactor

Event # 24437

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: PEACH BOTTOM                |            |           |            | Notification Date / Time: 10/15/1992 22:03 (EDT) |            |   |
| Unit: 3                           |            | Region: 1 |            | State : PA                                       |            | Event Date / Time: 10/15/1992 21:13 (EDT) |
| Reactor Type: [2] GE-4,[3] GE-4   |            |           |            | Last Modification: 10/15/1992                    |            |   |
| Containment Type: MARK I          |            |           |            |  |            |   |
| NRC Notified by: BREIDENBAUGH     |            |           |            | Notifications: GENE KELLY RDO                    |            |   |
| HQ Ops Officer: THOMAS ANDREWS    |            |           |            | STEVEN VARGA EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | BELCHER FEMA                                     |            |   |
| 10 CFR Section:                   |            |           |            | ANDERSON, WENZINGER RGN1                         |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            | HEHL RGN1  |            |   |
| 50.72(b)(1)(iv) ECCS INJECTION    |            |           |            | BROCKMAN AEOD                                    |            |   |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |           |            |  |            |   |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 3                                 | A/R        | Yes       | 100        | Power Operation                                  | 0          | Hot Shutdown                              |

LICENSEE DECLARED AN UNUSUAL EVENT BASED ON EMERGENCY CORE COOLING INJECTION TO THE REACTOR COOLING SYSTEM BASED ON A VALID ACTUATION SIGNAL.

WHILE OPERATING AT 100% RATED THERMAL POWER, AT 2111 EDT, THE PLANT RECEIVED A SPURIOUS CHANNEL "A" GROUP 1 (MAIN STEAM) ISOLATION SIGNAL. WHILE INVESTIGATING THIS SIGNAL, AT 2113 EDT, A SPURIOUS CHANNEL "B" GROUP 1 SIGNAL WAS RECEIVED. THIS COMPLETED THE GROUP 1 ACTUATION LOGIC RESULTING IN MAIN STEAM ISOLATION VALVE CLOSURE AND A REACTOR SCRAM.

THE MAIN FEED PUMPS WERE LOST AS A RESULT OF THE MAIN STEAM ISOLATION CLOSURE CAUSING REACTOR WATER LEVEL TO DROP. PRESSURE INCREASED IN THE REACTOR TO THE POINT WHERE THE SAFETY RELIEF VALVES ACTUATED TO CONTROL PRESSURE.

AT 0 INCHES INSTRUMENT LEVEL (APPROXIMATELY 152 INCHES ABOVE THE TOP OF ACTIVE FUEL), A GROUP 2 (REACTOR WATER CLEANUP) AND A GROUP 3 (STANDBY GAS TREATMENT AND CONTAINMENT VENTILATION) ACTUATIONS OCCURRED.

REACTOR WATER LEVEL DROPPED TO ABOUT -50 INCHES. AT -48 INCHES, HIGH PRESSURE COOLANT INJECTION AND REACTOR CORE ISOLATION COOLING SYSTEMS ACTUATED. THE UNUSUAL EVENT WAS DECLARED AS A RESULT OF THE HIGH PRESSURE COOLANT INJECTION SYSTEM ACTUATION BASED ON A VALID SIGNAL – LOW REACTOR WATER LEVEL. AN ALTERNATE ROD INJECTION INITIATION OCCURRED ON LOW REACTOR WATER LEVEL AND HIGH REACTOR PRESSURE. ALL RODS ARE FULLY INSERTED.

HIGH PRESSURE COOLANT INJECTION WAS PLACED IN THE CONDENSATE STORAGE TANK TO CONDENSATE STORAGE TANK MODE. SHORTLY AFTERWARDS, ALL SAFETY RELIEF VALVES FULLY CLOSED WHEN PRESSURE DROPPED BELOW THEIR SETPOINTS.

Power Reactor

Event # 24437

THE PLANT IS STABLE WITH HIGH PRESSURE COOLANT INJECTION BEING USED FOR PRESSURE CONTROL AND REACTOR CORE ISOLATION COOLING BEING USED FOR LEVEL CONTROL. TORUS COOLING IS IN SERVICE.

THE LICENSEE PLANS ON COOLING DOWN THE REACTOR AND INVESTIGATING THE CAUSE OF THE GROUP 1 ISOLATION. THE MAIN STEAM ISOLATION VALVES REMAIN CLOSED PENDING THE INVESTIGATION OF THE GROUP 1 LOGIC.

AT THE TIME OF THE REPORT, THE LICENSEE DID NOT INDICATE WHAT THE BASIS FOR TERMINATION WOULD BE.

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR AND HAS NOTIFIED STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS PLANNED.

\*\*\*\* UPDATE @ 2327 EDT ON 10/15/92 BY BREIDENBAUGH TAKEN BY ANDREWS \*\*\*\*

UNUSUAL EVENT TERMINATED AT 2300 BASED ON PLANT BEING STABLE AND BEING COOLED TO A COLD SHUTDOWN CONDITION. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.

HOO NOTIFIED R1DO (KELLY), EO (VARGA), FEMA (MOSTELLER).

NOTE: SEE EVENT #24438 FOR A RELATED EVENT.

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Power Reactor

Event # 24455

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: OCONEE   |            | Notification Date / Time: 10/19/1992 22:44 (EDT) |   |                 |            |                 |
| Unit: 2  | Region: 2  | State : SC                                       | Event Date / Time: 10/19/1992 21:21 (EDT) |                 |            |                 |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |            | Last Modification: 10/20/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB                            |            |  |   |                 |            |                 |
| NRC Notified by: BALDWIN                             |            | Notifications: VIAS                              | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD                       |            | VARGA  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT                       |            | BELCHER  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                                      |            | BROCKMAN   | AEOD                                      |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION                        |            |  |   |                 |            |                 |
| Unit   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Shutdown    |

THE PLANT HAD A REACTOR TRIP FROM 100% POWER DUE TO TURBINE GENERATOR TRIP AFTER BOTH GENERATOR BREAKERS OPENED ON A SWITCHYARD ISOLATION.

THIS OCCURRED AFTER THE RED AND YELLOW BUS LOCKOUT ON THE SWITCHYARD OCCURRED (CAUSE BEING INVESTIGATED). THE UNIT 2 STARTUP TRANSFORMER BREAKER DID NOT CLOSE AND UNIT 2 IS NOW BEING POWERED FROM THE KEOWEE HYDROELECTRIC PLANT (THEIR EMERGENCY POWER SOURCE). THE NOUE WAS DECLARED AT 22:25 BECAUSE THE PLANT HAD A LOSS OF OFF SITE AC POWER. ALL RODS FULLY INSERTED AND THERE WAS NO SAFETY INJECTION. THE SAFETY RELIEF VALVES LIFTED MOMENTARILY BUT THEY FULLY RESEATED. UNITS 1 & 3 ARE ON LINE AND HAVE OFF SITE POWER. UNIT 2 IS STABLE IN HOT S/D ON NATURAL CIRCULATION. THE RI AND STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*UPDATE DATE/TIME:10/20/92 @ 0335 EDT \*\*FROM LICENSEE:BALDWIN BY McGINTY\*  
THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0325 EDT ON 10/20/92, BASED ON THE RESTORATION OF POWER TO ALL BUSES (VIA BOTH THE "RED" AND "YELLOW" 230 KV BUSES TO THE STARTUP TRANSFORMER) AND THE UNIT BEING STABLE IN HOT SHUTDOWN MODE. THE UNITS SAFETY BUSES WERE SUPPLIED BY A KEOWEE GENERATOR VIA THE 13.8 KV UNDERGROUND FEEDER AND THE "CT4" TRANSFORMER IMMEDIATELY AFTER THE RX/TURBINE GENERATOR TRIPS. SUBSEQUENTLY, THE EMERGENCY BUSES WERE LINED UP TO THE 230 KV "RED" BUS VIA STARTUP TRANSFORMER "CT2" WHEN THE LICENSEE EXPERIENCED "SOME PROBLEMS" WITH THE KEOWEE GENERATORS. THE LICENSEE IS INVESTIGATING THE PROBLEMS WITH THE KEOWEE GENERATORS AND DID NOT GO INTO ADDITIONAL DETAIL.

THE HOO DISCUSSED THE EVENT WITH THE SENIOR RESIDENT INSPECTOR (HARMON) WHO WAS ON-SITE. THE KEOWEE GENERATORS APPARENTLY BOTH TRIPPED (AFTER THE SAFETY BUSES HAD BEEN LINED UP VIA THE STARTUP TRANSFORMER) DURING ELECTRICAL ALIGNMENTS OF THE #1 KEOWEE GENERATOR. THE SAFETY BUSES REMAINED ENERGIZED THROUGHOUT THE ENTIRE EVENT. THE LICENSEE ALSO TOOK THE PRECAUTIONARY MEASURE OF HAVING THE LEE STATIONS

Power Reactor

Event # 24455

GAS TURBINE GENERATORS STARTED AND AVAILABLE VIA THE 100 KV TRANSMISSION LINE TO TRANSFORMER "CT5" AS A BACKUP SOURCE OF SAFETY BUS POWER DURING THE EVENT.

HOO NOTIFIED R2DO (VIAS), EO (VIRGILIO), AND FEMA (STINEDURF).

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Power Reactor

Event # 24467

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: COMANCHE PEAK                 |            |           |            | Notification Date / Time: 10/21/1992 06:12 (EDT) |            |   |
| Unit: 1                             |            | Region: 4 |            | State : TX                                       |            | Event Date / Time: 10/21/1992 04:51 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 11/24/1992                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: DON CERNY          |            |           |            | Notifications: JOHN PELLET                       |            | RDO                                       |
| HQ Ops Officer: RUDY KARSCH         |            |           |            | MARTIN VIRGILIO                                  |            | EO  |
| Emergency Class: UNUSUAL EVENT      |            |           |            | EARL   |            | FEMA                                      |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| 73.71(b)(1) SAFEGUARDS REPORTS      |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

UNUSUAL EVENT, SECURITY COMPROMISE, "SECON RED".

A SECURITY OFFICER WAS FOUND TIED UP AND UNCONSCIOUS IN THE TURBINE BUILDING WITH HER WEAPON MISSING. HER WEAPON WAS LATER FOUND, BUT INDICATIONS OF THE COMMISSION OF A FELONY EXIST. THE INDIVIDUAL HAS BEEN SENT TO A HOSPITAL FOR TREATMENT. SECURITY REMAINS IN "SECURITY CONDITION (SECON) YELLOW" AS OF 0526 CDT. THE UNUSUAL EVENT WILL TERMINATE WHEN SECURITY COMPLETES THEIR INVESTIGATION. LOCAL POLICE HAVE BEEN CALLED IN TO AUGMENT THE INVESTIGATIONS. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. SEE HOO LOG FOR FURTHER DETAILS. IAT (McPEEK, DAVIDSON & BUSH) NOTIFIED.

COMMISSIONERS ASSISTANTS BRIEFING NOTIFICATIONS (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD AND IRB (BROCKMAN), COMM SELIN (VIETTI-COOK), CURTISS (CONNAUGHTON), REMICK (\*), ROGERS (KARMAN), DePLANQUE (SUMMERS), EDO (MITCHELL), EDO REGION (\*), EO (CHAFFEE), RDO (REESE), PAO (INGRAM), CAO (MADDEN), SECY (HART), STATE (SCHWARTZ), IP (UPSHAW), BRIEFER (JAUDAN), OTHERS (BEACH).

\*\*\* UPDATE AT 0948 EDT FROM KROSS TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 0847 CDT. PLANT SECURITY HAS COMPLETED APPLICABLE PROCEDURES AND HAS CONFIRMED NO SECURITY THREAT TO THE PLANT. PLANT OPERATION REMAINED UNAFFECTED THROUGH OUT THE EVENT. THE INJURED SECURITY GUARD HAS REGAINED CONSCIOUSNESS. THE LICENSEE HAS ISSUED A PRESS RELEASE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R4DO (PELLET), EO (CHAFFEE), AND FEMA (MUSE) NOTIFIED.

\*\*\*\* COMMISSIONERS ASSISTANT'S BRIEFING \*\*\*\*

A COMMISSIONERS ASSISTANT'S BRIEFING WAS CONDUCTED AT 1200 EST ON 11/23/92 BY JAUDON - REGION 4. DUE TO THE SENSITIVE NATURE OF THE DISCUSSION, PARTICIPATION WAS LIMITED TO THE FOLLOWING:

Power Reactor

Event # 24467

WILSON - COMMISSIONER SELIN'S OFFICE  
CARMEN - COMMISSIONER ROGERS' OFFICE  
TRIMBLE - COMMISSIONER CURTISS' OFFICE  
COLLINS - COMMISSIONER REMICK'S OFFICE  
SUMMERS - COMMISSIONER DE PLANQUE'S OFFICE  
MCKENNA - COMMISSIONER DE PLANQUE'S OFFICE  
BLACK - COMANCHE PEAK PROJECT MANAGER

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Power Reactor

Event # 24485

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MCGUIRE                          |            | Notification Date / Time: 10/23/1992 12:56 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : NC                                       | Event Date / Time: 10/23/1992 12:20 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 10/23/1992                    |   |                 |            |                 |
| Containment Type: ICE COND             |            |  |   |                 |            |                 |
| NRC Notified by: TOM ARLOW             |            | Notifications: DAVID VERRELLI RDO                |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN        |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | SUMMERS FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 84         | Power Operation |

TECH SPEC REQUIRED SHUTDOWN DUE TO INOPERABLE CONTAINMENT SPRAY LOGIC.

LICENSEE STATES THAT WHILE PERFORMING A SURVEILLANCE TEST OF THE "1B" CONTAINMENT SPRAY ACTUATION RELAY LOGIC, A SLAVE RELAY FAILED TO ACTUATE AS REQUIRED. LICENSEE ENTERED TECH SPEC 3.3.2 FOR HAVING ONE CHANNEL OF CONTAINMENT SPRAY ACTUATION LOGIC INOPERABLE. THE ACTION STATEMENT FOR THIS LCO REQUIRES UNIT 1 TO BE IN MODE 3 WITHIN SIX HOURS AND MODE 4 WITHIN THE NEXT 30 HOURS. THE LICENSEE'S EMERGENCY ACTION LEVELS REQUIRE THE DECLARATION OF AN UNUSUAL EVENT FOR TECH SPEC SHUTDOWNS. LICENSEE IS CURRENTLY REDUCING POWER AND WILL TERMINATE THE UE UPON REACHING MODE 4 OR UPON RESTORING THE ACTUATION RELAY LOGIC FOR THE "B" CONTAINMENT SPRAY SYSTEM TO AN OPERABLE STATUS. LICENSEE NOTES THAT THE "A" CONTAINMENT SPRAY SYSTEM IS STILL OPERABLE.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES HAVE BEEN INFORMED.

\*\*\*UPDATE FROM LICENSEE:ARLOW TO NRC:HUFFMAN @ 1620 EDT ON 10/23/92\*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT AT 1620 EDT WHEN IT WAS DETERMINED THAT THE SURVEILLANCE TESTING FAILURE WAS DUE TO PROBLEMS WITH THE TEST CIRCUITRY AND NOT THE CONTAINMENT SPRAY ACTUATION CIRCUITRY. LICENSEE WAS ABLE TO COMPLETE THE SURVEILLANCE BY PLACING A JUMPER AROUND THE A BAD TEST RELAY.

LICENSEE HAS CEASED POWER REDUCTION AND POWER IS BEING RETURNED TO 100%. POWER HAD BEEN REDUCED TO 35%. STATE AND LOCAL AUTHORITIES HAVE BEEN INFORMED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R2DO(VERRELLI); EO(CHAFFEE); AND FEMA(BAGWELL) HAVE BEEN NOTIFIED.

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Power Reactor

Event # 24531

|                                   |            |           |            |  |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Site: BIG ROCK POINT              |            |           |            | Notification Date / Time: 10/29/1992 11:56 (EST) |            |                 |
| Unit: 1                           |            | Region: 3 | State : MI | Event Date / Time: 10/29/1992 11:12 (EST)        |            |                 |
| Reactor Type: [1] GE-1            |            |           |            | Last Modification: 10/29/1992                    |            |                 |
| Containment Type:                 |            |           |            |  |            |                 |
| NRC Notified by: RANDY RUIS       |            |           |            | Notifications: GARY SHEAR RDO                    |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            |           |            | AL CHAFFEE EO                                    |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |           |            | DAN SULLIVAN FEMA                                |            |                 |
| 10 CFR Section:                   |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                 | M/R        | Yes       | 98         | Power Operation                                  | 0          | Hot Shutdown    |

LICENSEE DECLARED A DISCRETIONARY UNUSUAL EVENT AT 1135 EST DUE TO CONDITIONS AT THE PLANT.

AT 1112 EST, THE PLANT LOST THE TRANSMISSION LINE GOING OFFSITE. THE LICENSEE DOES NOT KNOW THE CAUSE AT THIS TIME BUT IS INVESTIGATING. THEY HAVE CONTACTED THEIR LOAD DISPATCHER WHO STATED THAT THEY HAD INDICATION OF TRIPPED RELAYS. THEY ARE USING A HELICOPTER TO FLY ALONG THE TRANSMISSION LINE TO SEE IF THEY CAN OBSERVE ANY OBVIOUS FAULTS IN THE LINE.

THE TURBINE TRIPPED AS A RESULT OF THIS EVENT. THE PLANT DOES NOT AUTOMATICALLY TRIP ON TURBINE TRIP SINCE THEY HAVE 100% STEAM BYPASS CAPABILITY.

SINCE THE LINE THAT WAS LOST IS USED FOR NORMAL STATION POWER WHILE THE PLANT IS OPERATING, THERE WAS AN AUTOMATIC TRANSFER TO THE ALTERNATE POWER SUPPLY. THIS TAKES ABOUT 3 SECONDS. DURING THIS TIME THE DIESELS AUTOMATICALLY STARTED BUT DID NOT LOAD SINCE THE TRANSFER WAS SUCCESSFUL. THERE WAS NOT A LOAD SHED DURING THIS EVENT.

THE RECIRCULATION PUMPS TRIPPED AND THE LICENSEE MANUALLY SCRAMMED THE REACTOR. ALL RODS FULLY INSERTED. THERE WAS NO SAFETY RELIEF VALVE ACTUATION. STEAM DRUM LEVEL DROPPED TO ABOUT -17 INCHES WHICH IS AT THE ENTRY POINT FOR THEIR EMERGENCY PLAN. THIS DROP IS PRIMARILY ATTRIBUTED TO VOID COLLAPSE IN THE STEAM DRUM. LEVEL WAS QUICKLY RESTORED USING THE FEEDWATER SYSTEM. THE REACTOR IS BEING COOLED USING CONDENSATE PUMPS TO PROVIDE FEEDWATER AND THE BYPASS SYSTEM TO THE CONDENSER AS THE HEAT SINK.

THE PLANT IS CURRENTLY PROCEEDING TO COLD SHUTDOWN AND THE OFFSITE POWER SUPPLY IS STABLE.

Power Reactor

Event # 24531

THE NRC RESIDENT INSPECTOR WILL BE INFORMED. THE LICENSEE HAS NOTIFIED BOTH STATE AND LOCAL OFFICIALS. IT IS NOT KNOWN IF A PRESS RELEASE IS PLANNED AT THIS TIME.

\*\*\* UPDATE DATE/TIME:10/29/92 @ 1440 FROM LICENSEE:BOURASSA BY McGINTY\*\*\*  
THE LICENSEE TERMINATED THE UE AT 1426 EST, AND IS PERFORMING AN ANALYSIS TO DETERMINE THE ROOT CAUSE OF THE EVENT. PRELIMINARY INVESTIGATION INDICATES A POTENTIAL FAULT IN THE MAIN TRANSFORMER AS THE CAUSE FOR THE EVENT. THE LICENSEE WILL BE INVESTIGATING FURTHER, AND HAS ENTERED A 3 DAY TS LCO (WHICH WOULD REQUIRE GOING TO COLD SHUTDOWN) DUE TO THE 138 KV OFF-SITE POWER SOURCE BEING UNAVAILABLE DURING INVESTIGATION AND REPAIRS. THE 46 KV AND THE EMERGENCY DIESEL GENERATOR POWER SOURCES REMAIN OPERABLE.

THE LICENSEE DOES NOT PLAN ON GOING TO COLD SHUTDOWN AT THIS TIME, AND WILL INFORM THE RESIDENT INSPECTOR OF THE UE TERMINATION.

HOO NOTIFIED R3D0 (SHEAR), EO (CHAFFEE) AND FEMA (ROY).

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Power Reactor

Event # 24569

|  |           |  |   |
|--|-----------|--|---|
| Site: TROJAN                           |           | Notification Date / Time: 11/09/1992 10:40 (EST) |   |
| Unit: 1                                | Region: 5 | State : OR                                       | Event Date / Time: 11/09/1992 06:50 (PST) |
| Reactor Type: [1] W-4-LP               |           | Last Modification: 11/09/1992                    |   |
| Containment Type:                      |           |  |   |
| NRC Notified by: PINE KEPPINGER        |           | Notifications: WENSLAWSKI RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON         |           | CHAFFEE , GRIMES EO                              |   |
| Emergency Class: UNUSUAL EVENT         |           | MOSTELLER FEMA                                   |   |
| 10 CFR Section:                        |           | JOE GIITTER AEOD                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           | KEN PERKINS (REG 5) NRC                          |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 95         | Power Operation | 40         | Power Operation |

STEAM GENERATOR "B" HAS A TUBE LEAK OF APPROXIMATELY 300 GPD. LICENSEE ENTERED OFF NORMAL INSTRUCTION (ONI) 3-12 (STEAM GENERATOR TUBE LEAK).

WHILE PERFORMING A CORE FLUX MAP AT 95% POWER LICENSEE RECEIVED ALARMS ON THE FOLLOWING PROCESS EFFLUENT RADIATION MONITORS (PERMs), PERM "26" (NITROGEN-16 STEAM LINE RADIATION DETECTOR), PERM "6A" (CONDENSER OFFGAS ACTIVITY DETECTOR), & PERM "10" (STEAM GENERATOR BLOWDOWN LINE RADIATION MONITOR). ALL PERMs ALARMED JUST ABOVE THEIR THRESHOLD SETPOINTS.

LICENSEE ENTERED ONI 3-12 PER ADMINISTRATIVE PROCEDURE (ADMINISTRATIVE PROCEDURE SAYS IF ANY ONE STEAM GENERATOR TUBE LEAK IS ABOVE 50 GPD THEY MUST ENTER ONI 3-12 AND SHUTDOWN THE PLANT). LICENSEE TECH SPEC 3.4.6.2 (IF ANY STEAM GENERATOR TUBE LEAK IS EQUAL TO OR GREATER THAN 130 GPD THEY MUST ENTER ONI 3-12 AND SHUTDOWN THE PLANT).

LICENSEE SAID THAT THEY WOULD ENTER THEIR EMERGENCY PROCEDURE FOR A STEAM GENERATOR TUBE LEAK IF THEY RECEIVED A SAFETY INJECTION ACTUATION SIGNAL. LICENSEE THINKS STEAM GENERATOR TUBE LEAK IS A THROUGH WALL LEAK THAT JUST OCCURRED WHILE PERFORMING THEIR CORE FLUX MAP. LICENSEE SAID THERE IS NO RELEASE AND THE "B" STEAM GENERATOR SHOULD BE ISOLATED WITHIN ONE HOUR.

ALL ECCS, EDGs, AND AUXILIARY FEEDWATER SYSTEMS ARE FULLY OPERABLE.

LICENSEE NOTIFIED OREGON DEPARTMENT OF ENERGY, WASHINGTON STATE, SURROUNDING COUNTIES, LOCAL AUTHORITIES, AND THE RESIDENT INSPECTOR OF THIS EVENT. LICENSEE SAID THEY WILL MOST PROBABLY ISSUE A PRESS RELEASE.

AT APPROXIMATELY 0742 PST STEAM GENERATOR "B" (PLANT WAS SHUTDOWN PRIOR TO ISOLATING THE STEAM GENERATOR) WAS ISOLATED AND LICENSEE WILL GO TO A COLD SHUTDOWN

Power Reactor

Event # 24569

CONDITION. PER RESIDENT INSPECTOR LICENSEE WILL TERMINATE UNUSUAL EVENT WHEN PLANT PRESSURE IS LESS THAN STEAM GENERATOR PRESSURE. STEAM GENERATOR CODE SAFETY VALVE SETPOINT IS 1140 PSIG.

\*\*\* UPDATE 11/09/92 @ 1330 EST FROM KEPPINGER BY McGINTY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1010 PST BASED ON STEAM GENERATOR "B" BEING ISOLATED AND ITS PRESSURE BEING EQUALIZED WITH PRIMARY PRESSURE (STOPPING THE LEAK). THE PRIMARY PLANT WAS AT 510 F AND 958 PSIG AT THE TIME OF TERMINATION OF THE UNUSUAL EVENT. PER PROCEDURE, THE STEAM GENERATOR PRESSURE IS BEING MAINTAINED SLIGHTLY GREATER THAN PRIMARY PRESSURE, SO THE GENERATOR IS FEEDING THE PRIMARY.

THE LICENSEE HAS PRELIMINARY NUMBERS OF A 0.2 Ci TOTAL RELEASE OF NOBLE GAS (NO IODINE) VIA CONDENSER OFF-GAS DURING THE ENTIRE EVENT. THE RELEASE IS BASED ON COUNTING THE PERM CARTRIDGE AND A GRAB SAMPLE DURING THE 3.3 HOUR PERIOD THE EVENT WAS IN PROGRESS. THE LICENSEE INTENDS TO CONTINUE WITH THE COOLDOWN (PLANT CURRENTLY AT 475 F, COOLING DOWN AT 50 F/HR, AND ANTICIPATES BEING IN COLD SHUTDOWN IN LESS THAN 6 HOURS. THE PLANT HAS PERFORMED AS EXPECTED WITH NOTHING UNUSUAL DURING THE SHUTDOWN AND COOLDOWN. THE LICENSEE WILL BE DETERMINING CORRECTIVE ACTIONS (PLUGGING OR SLEEVING THE LEAKING TUBE) UPON REACHING COLD SHUTDOWN. THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND THE STATE OF OREGON, AND A PRESS RELEASE IS ANTICIPATED.

HOO NOTIFIED R5 (ONG), EO (CHAFFEE), FEMA (MOSTELLER), AEOD (GIITTER) & PAO (KOPECK).

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Power Reactor

Event # 24572

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BRUNSWICK                   |            | Notification Date / Time: 11/09/1992 16:51 (EST) |   |                 |            |                 |
| Unit: 2                           | Region: 2  | State : NC                                       | Event Date / Time: 11/09/1992 16:03 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 11/09/1992                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: DOUG PATE        |            | Notifications: GEORGE AL BELISLE RDO             |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            | ASHOK THADANI EO                                 |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | HUGHES FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

LICENSEE DECLARED UNUSUAL EVENT DUE TO POTENTIALLY CONTAMINATED INDIVIDUAL BEING TRANSPORTED TO LOCAL HOSPITAL.

AT APPROXIMATELY 1603 EST, A POTENTIALLY CONTAMINATED PERSON WAS TRANSPORTED TO DOZIER MEMORIAL HOSPITAL IN SOUTHPORT, N.C. THE INDIVIDUAL WAS WORKING IN A CONTAMINATED AREA CLEANING AND UNPLUGGING DRAIN LINES USING HYDROLASER EQUIPMENT WHEN A HIGH PRESSURE LINE BURST CAUSING LACERATIONS TO THE BACK OF HIS LEG. THE NATURE OF HIS INJURIES WERE SUCH THAT HE REQUIRED TRANSPORT OFF SITE FOR MEDICAL ASSISTANCE. THE PERSON WAS FRISKED WHILE LAYING ON A GURNEY AND NO CONTAMINATION WAS DETECTED. THE LICENSEE WAS NOT ABLE TO FRISK THE INJURED PERSON'S BACK, SO HE WAS DECLARED POTENTIALLY CONTAMINATED.

IN ACCORDANCE WITH PLANT EMERGENCY PROCEDURES, AN UNUSUAL EVENT WAS DECLARED AT 1603 EST. AT APPROXIMATELY 1640, THE INDIVIDUAL WAS DETERMINED TO BE UNCONTAMINATED. THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1648 EST.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED. A PRESS RELEASE IS BEING PREPARED, HOWEVER IT IS NOT CERTAIN IF THE PRESS RELEASE WILL BE MADE AT THIS TIME.

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Power Reactor

Event # 24600

|                                    |            |           |            |  |            |   |
|------------------------------------|------------|-----------|------------|--|------------|---|
| Site: PALO VERDE                   |            |           |            | Notification Date / Time: 11/13/1992 16:54 (EST) |            |   |
| Unit: 2                            |            | Region: 5 |            | State : AZ                                       |            | Event Date / Time: 11/13/1992 13:54 (MST) |
| Reactor Type: [1] CE,[2] CE,[3] CE |            |           |            | Last Modification: 11/13/1992                    |            |   |
| Containment Type: DRY AMB          |            |           |            |  |            |   |
| NRC Notified by: NANCY TURLEY      |            |           |            | Notifications: ROSS SCARANO RDO                  |            |   |
| HQ Ops Officer: RUDY KARSCH        |            |           |            | ROY ZIMMERMAN EO                                 |            |   |
| Emergency Class: UNUSUAL EVENT     |            |           |            | BELCHER FEMA                                     |            |   |
| 10 CFR Section:                    |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |           |            |  |            |   |
| 50.72(b)(1)(iv) ECCS INJECTION     |            |           |            |  |            |   |
| 50.72(b)(2)(ii) RPS ACTUATION      |            |           |            |  |            |   |
| Unit                               | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                  | A/R        | Yes       | 100        | Power Operation                                  | 0          | Hot Standby                               |

UNUSUAL EVENT DECLARED AT 1405 MST DUE TO A LOW PRESSURIZER PRESSURE SAFETY INJECTION ACTUATION SIGNAL (SIAS).

THE REACTOR TRIPPED DUE TO LOW DEPARTURE FROM NUCLEATE BOILING RATIO (DNBR). ELEVEN MINUTES LATER AN UNUSUAL EVENT WAS DECLARED WHEN THE PRESSURE IN THE REACTOR COOLANT SYSTEM FELL BELOW 1800 PSI, WHICH IS BELOW THE SIAS ACTUATION SETPOINT. THE UNUSUAL EVENT WAS TERMINATED AT 1439 MST WHEN PRESSURE WAS RESTORED ABOVE THE SAIS ACTUATION SET POINT OF 1867 PSI AND PLANT CONDITIONS WERE STABILIZED. THE LOWEST VALUE OF SUBCOOLING MARGIN AND THE AMOUNT OF COOLANT INJECTED IS NOT KNOWN AT THIS TIME. ALL CONTROL RODS INSERTED AND NORMAL POST TRIP RECOVERY IS IN PROGRESS. PRELIMINARY THOUGHTS ARE THAT THE LOW PRESSURE CONDITION WAS CAUSED BY OVERCOOLING ONE OR BOTH STEAM GENERATORS DUE TO ONE OR BOTH ECONOMIZER VALVES STICKING OPEN. THE LICENSEE WILL ISSUE A PRESS RELEASE AND HAS INFORMED THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 24610

|  |            |           |            |  |            |                 |
|--|------------|-----------|------------|--|------------|-----------------|
| Site: OYSTER CREEK                     |            |           |            | Notification Date / Time: 11/14/1992 21:00 (EST) |            |                 |
| Unit: 1                                |            | Region: 1 | State : NJ | Event Date / Time: 11/14/1992 20:45 (EST)        |            |                 |
| Reactor Type: [1] GE-2                 |            |           |            | Last Modification: 11/15/1992                    |            |                 |
| Containment Type: MARK I               |            |           |            |  |            |                 |
| NRC Notified by: FRANK CIGANIK         |            |           |            | Notifications: JENNY JOHANSEN RDO                |            |                 |
| HQ Ops Officer: RUDY KARSCH            |            |           |            | ROY ZIMMERMAN EO                                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            |           |            | EARL FEMA  |            |                 |
| 10 CFR Section:                        |            |           |            |  |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |                 |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                      | N          | Yes       | 100        | Power Operation                                  | 98         | Power Operation |

THE SECONDARY CONTAINMENT LEAK RATE EXCEEDS TECH SPEC LIMITS REQUIRING A PLANT SHUTDOWN, WHICH STARTED AT 2045 EST.

TECH SPEC 4.5.J REQUIRES THAT A 0.25 INCH OF WATER VACUUM BE MAINTAINED IN SECONDARY CONTAINMENT AT TECH SPEC SPECIFIED VENTILATION FLOW. DUE TO EXCESSIVE AIR INFILTRATION THE INDICATED VACUUM IS ONLY 0.211 INCHES OF WATER. THE REACTOR MUST BE IN THE SHUTDOWN MODE WITHIN THE NEXT 24 HOURS. THE LICENSEE IS PRESENTLY REDUCING POWER AT 2% PER HOUR. THE LICENSEE BELIEVES THAT THE MAIN CONTRIBUTOR TO IN LEAKAGE IS THE PERSONNEL AIR LOCK, AND IS TROUBLESHOOTING THE DOOR SEAL. THEY HOPE TO RESTORE SECONDARY CONTAINMENT INTEGRITY PRIOR TO REACHING THE END OF THEIR 24 HOUR CLOCK. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE FROM LICENSEE:RAZARY TO NRC:HUFFMAN @ 0315 EST ON 11/15/92\*\*\*  
 LICENSEE UPGRADED THIS CONDITION TO AN UNUSUAL EVENT AT 0305 EST BASED ON THE ADMINISTRATIVE REQUIREMENTS OF THEIR EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIP's). THE EPIP's STATE THAT AN UNUSUAL EVENT SHALL BE DECLARED IF THE FACILITY EXPERIENCES A LOSS OF VARIOUS ENGINEERED SAFETY FEATURES, INCLUDING SECONDARY CONTAINMENT, WHICH CAN NOT BE REPAIRED WITHIN EIGHT HOURS AND REQUIRES A PLANT SHUTDOWN.

CURRENTLY POWER LEVEL IS 86% AND CONTINUING TO BE REDUCED AT 2% PER HOUR. SECONDARY CONTAINMENT SEAL REPLACEMENTS ARE IN PROGRESS. THE LICENSEE STILL PLANS ON RETURNING SECONDARY CONTAINMENT TO AN OPERABLE STATUS BEFORE THEY REACH HOT SHUTDOWN CONDITIONS. THE LICENSEE HAS NOTIFIED THE NJ STATE POLICE AND WILL INFORM THE RESIDENT INSPECTOR OF THE RECLASSIFICATION OF THIS EVENT. THE HEADQUARTERS OPERATIONS OFFICER NOTIFIED THE R1DO(JOHANSEN); EO(ZIMMERMAN); AND FEMA(EARL).

\*\*\* UPDATE BY BRITTNER AT 1406 EST ON 11/15/92 TAKEN BY KARSCH \*\*\*\*\*

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

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Power Reactor

Event # 24610

UNUSUAL EVENT TERMINATED AT 1353 EST ON 11/15/92. SECONDARY CONTAINMENT WAS RESTORED AND THE SURVEILLANCE TEST SUCCESSFULLY COMPLETED. LOWEST POWER LEVEL REACHED WAS 76%. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R1DO (JOHANSEN); EO (ZIMMERMAN); AND FEMA (EARL) NOTIFIED.

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Power Reactor

Event # 24625

|                                |                    |  |   |                 |            |                 |
|--------------------------------|--------------------|--|---|-----------------|------------|-----------------|
| Site: FERMI                    |                    | Notification Date / Time: 11/18/1992 22:15 (EST) |   |                 |            |                 |
| Unit: 2                        | Region: 3          | State : MI                                       | Event Date / Time: 11/18/1992 20:29 (EST) |                 |            |                 |
| Reactor Type: [2] GE-4         |                    | Last Modification: 11/20/1992                    |   |                 |            |                 |
| Containment Type: MARK I       |                    |  |   |                 |            |                 |
| NRC Notified by: MORRIS        |                    | Notifications: MONTE PHILLIPS RDO                |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY    |                    | JACK ROE EO                                      |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT |                    | CALDWELL FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                |                    | GITTER AEOD                                      |   |                 |            |                 |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED |  |   |                 |            |                 |
| 50.72(b)(1)(iv)                | ECCS INJECTION     |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                | RPS ACTUATION      |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                | ESF ACTUATION      |  |   |                 |            |                 |
| Unit                           | Scram Code         | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                              | M/R                | Yes  | 98  | Power Operation | 0          | Hot Shutdown    |

UE DECLARED DUE TO RX TRIP AND ECCS INJECTION ON A LOSS OF ALL FEED.

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 2029 EST WHEN THE UNIT LOST ALL THREE HEATER FEED PUMPS FOR UNKNOWN REASONS. THE RX WAS MANUALLY SCRAMMED (PRIOR TO THE AUTOMATIC LOW LEVEL SIGNAL), AND RX VESSEL LEVEL DROPPED TO THE LEVEL 2 (APPROXIMATELY 111") SETPOINT. HPCI (HIGH PRESSURE COOLANT INJECTION) AND RCIC (RX CORE ISOLATION COOLING) AUTO INITIATED AT LEVEL 2 WITH FLOW TO THE RX COOLANT SYSTEM, WHICH IS THE REASON FOR DECLARING THE UNUSUAL EVENT. THE LOWEST RX VESSEL WATER LEVEL REACHED WAS 77" (LEVEL 1 SETPOINT IS 32"). THE UNUSUAL EVENT WAS TERMINATED AT 2100 EST, WHEN BOTH HPCI AND RCIC WERE SECURED AND STANDBY FEEDWATER WAS RUNNING. DURING THE EVENT, VALVE G011-F019 (DRYWELL EQUIPMENT DRAIN SUMP PUMP DISCHARGE VALVE) DID NOT FULLY CLOSE ON THE CONTAINMENT ISOLATION SIGNAL. THE LICENSEE COMPLIED WITH THE T/S A/S TO CLOSE REDUNDANT VALVE G011-F018. THE UNIT IS IN MODE 3 AT 740#, WITH RX VESSEL WATER LEVEL AT 195" (NORMAL IS 197").

THE MAIN CONDENSER REMAINS AVAILABLE FOR STEAMING, AND THE RX VESSEL IS BEING FED WITH THE TWO STANDBY FEEDWATER PUMPS (TAKES SUCTION ON THE CST). NO RELIEF VALVES LIFTED AS A RESULT OF THE TRANSIENT. THERE WAS NO PROBLEMS WITH TRANSFER TO OFF-SITE POWER SUPPLIES, AND THE EDGs ARE OPERATIONAL. ALL RODS FULLY INSERTED ON THE MANUAL SCRAM. THE TRIP OF THE HEATER FEED PUMPS (BOOSTERS) CAUSED THE TWO STEAM DRIVEN FEED PUMPS TO TRIP ON LOW SUCTION PRESSURE, CAUSING THE TOTAL LOSS OF FEED. THE LICENSEE WILL CONTINUE TO INVESTIGATE THE CAUSE OF THE LOSS OF FEED, REMAINING STABLE IN HOT SHUTDOWN.

THE FOLLOWING ESF ACTUATIONS ALSO OCCURRED AS EXPECTED ON THE LEVEL 2: CONTAINMENT ISOLATION GROUPS 4 (RHR SHUTDOWN COOLING), 15 (TIP SYSTEM), 2 (RX WATER SAMPLE VALVES), 10 & 11 (RX WATER CLEANUP). CONTROL CENTER HVAC WAS RUNNING IN THE RECIRC MODE AT THE TIME OF THE EVENT, HOWEVER THE SIGNAL WAS RECEIVED AS EXPECTED.

Power Reactor

Event # 24625

RX BUILDING HVAC TRIPPED AND STANDBY GAS TREATMENT STARTED. CONTROL AIR COMPRESSORS STARTED. ALTERNATE ROD INSERTION (ARI) ACTUATED, INCLUDING BOTH RECIRC PUMP TRIPS (RECIRC PUMPS REMAIN SECURED). LEVEL 2 LOW PRESSURE COOLANT INJECTION LOOP SELECT "B" (THE DEFAULT LOOP) ALSO OCCURRED.

THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES, AND IS PREPARING A PRESS RELEASE.

\*\*\*\* UPDATE @ 0400 EST ON 11/20/92 TAKEN BY TALBOT \*\*\*\*

DURING THE MORNING STATUS CALL, THE LICENSEE STATED THAT THE CAUSE OF THE HEATER FEED PUMPS TRIPPING WAS DUE TO PROBLEMS ENCOUNTERED WHILE BRINGING A CONDENSATE DEMINERALIZER ONLINE.

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Power Reactor

Event # 24641

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: COOK                             |            |           |            | Notification Date / Time: 11/22/1992 01:09 (EST) |            |   |
| Unit: 2                                |            | Region: 3 |            | State : MI                                       |            | Event Date / Time: 11/22/1992 00:21 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            |           |            | Last Modification: 11/22/1992                    |            |   |
| Containment Type: ICE COND             |            |           |            |  |            |   |
| NRC Notified by: BRIAN MUTZ            |            |           |            | Notifications: MONTE PHILLIPS                    |            | RDO                                       |
| HQ Ops Officer: STEVE SANDIN           |            |           |            | GARY ZECH  |            | EO  |
| Emergency Class: UNUSUAL EVENT         |            |           |            | HERSKO   |            | FEMA                                      |
| 10 CFR Section:                        |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                      | N          | Yes       | 0          | Startup  | 0          | Hot Standby                               |

UNIT 2 DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED SHUTDOWN FOLLOWING IMPROPER ENTRY INTO MODE 2.

SHUTDOWN OF UNIT 2 COMMENCED DUE TO TECH SPEC 3.0.3 ENTRY. PER TECH SPEC 3.7.1.5 EACH STEAM GENERATOR STOP VALVE SHALL BE OPERABLE. UNIT 2 WAS TAKEN CRITICAL AT 2112 EST ON 11/21/92 WHEN TECH SPECS WERE INTERPRETED TO ALLOW MODE CHANGE TO MODE 2 PROVIDED THE STEAM GENERATOR STOP VALVES WERE MAINTAINED CLOSED (SURVEILLANCE REQUIREMENTS FOR STEAM GENERATOR STOP VALVES WERE NOT MET AND WERE CLEARANCE TAGGED CLOSED). UPON FURTHER REVIEW OF TECH SPECS, THIS CONDITION WAS UNACCEPTABLE AND A UNIT SHUTDOWN WAS INITIATED TO PLACE THE UNIT INTO MODE 3.

AN UNUSUAL EVENT WAS DECLARED AT 0021 EST WHEN THE UNIT SHUTDOWN WAS COMMENCED AND THE UNIT WAS PLACED INTO MODE 3. THE UNUSUAL EVENT WAS EXITED AT 0032 EST WHEN THE PLANT WAS ONCE AGAIN IN MODE 3 PER EMERGENCY CATEGORY CLASSIFICATION (ECC) #13 UNUSUAL EVENT.

LICENSEE ATTRIBUTES CAUSE OF PROBLEM TO PERSONNEL ERROR. ALL SYSTEMS FUNCTIONED AS REQUIRED WITH THE EXCEPTION OF A ROD CONTROL URGENT FAILURE ALARM WHICH OCCURRED WHILE DRIVING IN SHUTDOWN BANK "A". LICENSEE HAS CAUSE UNDER INVESTIGATION. THE LICENSEE INFORMED THE STATE, LOCAL SHERIFFS OFFICE AND THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 24658

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: TURKEY POINT                     |            |           |            | Notification Date / Time: 11/25/1992 18:38 (EST) |            |   |
| Unit: 3                                |            | Region: 2 |            | State : FL                                       |            | Event Date / Time: 11/25/1992 18:25 (EST) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP    |            |           |            | Last Modification: 11/26/1992                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: MCFADDEN              |            |           |            | Notifications: CHRIS CHRISTENSEN RDO             |            |   |
| HQ Ops Officer: JOSEPH SEBROSKY        |            |           |            | GARY HOLAHAN EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT         |            |           |            | DIMICO FEMA                                      |            |   |
| 10 CFR Section:                        |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 3                                      | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby                               |

## UNUSUAL EVENT DECLARED DUE TO PRESSURE BOUNDARY LEAKAGE.

THE LICENSEE WAS MAKING PREPARATION FOR A STARTUP. AS PART OF THE PREREQUISITES FOR THE STARTUP A PRESSURE BOUNDARY LEAK INSPECTION IS MADE OF THE CONTAINMENT. DURING THIS INSPECTION IT WAS IDENTIFIED THAT A SEAL WELDED PIPE CAP ON A 1/2 INCH LINE WAS FOUND TO HAVE A SMALL HOLE IN IT. (TIME OF INITIAL DISCOVERY WAS 13:30). THE LEAK WAS IDENTIFIED BY WISPS OF STEAM NOTED COMING FROM THE CAP. THE LICENSEE HAS BEEN UNABLE TO DETERMINE THE LEAK RATE. THERE HAS BEEN NO NOTICEABLE CHANGE IN PRESSURIZER LEVEL DUE TO THE LEAK. THE LINE LEADS FROM THE PRESSURIZER SPRAY VALVE (455-B) BONNET. AT ONE TIME THE LINE WAS USED TO COLLECT PACKING LEAKAGE FROM THE VALVE. THE LINE HAS SINCE BEEN CAPPED.

ATTEMPTS TO STOP THE LEAK BY BACKSEATING THE SPRAY VALVE HAVE BEEN UNSUCCESSFUL. (THE LICENSEE IS NOT SURE IF THE AUTOMATIC CONTROLLER USED TO OPERATE THE SPRAY VALVE WILL ALLOW BACKSEATING OF THE VALVE.) THE CURRENT PLANT TEMPERATURE IS 530F AND PLANT PRESSURE IS 2235 PSIG. ALL ECCS, EMERGENCY DIESEL GENERATORS AND ESF SYSTEMS ARE OPERABLE.

THE LICENSEE IS CURRENTLY IN TECH SPEC 3.4.6.2.A WHICH ALLOWS 30 HOURS TO REACH COLD SHUTDOWN. THE BASIS FOR TERMINATION OF THE UNUSUAL EVENT WILL BE THE PLANT REACHING COLD SHUTDOWN CONDITIONS.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AS WELL AS THE STATE OF FLORIDA AND THE DADE COUNTY EMERGENCY OPERATIONS CENTER.

\*\*\* UPDATE 11/26/92 AT 00:07 FROM MACARTHUR TAKEN BY SEBROSKY \*\*\*

AT 23:15 ON 11/25/92 THE LICENSEE COMMENCED A COOLDOWN TO ALLOW REPAIRS OF THE

Power Reactor

Event # 24658

PRIMARY PRESSURE BOUNDARY LEAK IDENTIFIED ABOVE. THE DELAY IN COMMENCING THE COOLDOWN WAS DUE TO THE LICENSEE EVALUATING REPAIR OF THE LEAK AND ALSO TO ALLOW THE LICENSEE TO COMPLETE SECONDARY RELIEF VALVE TESTING THAT WAS IN PROGRESS AT THE TIME. THE LICENSEE EXPECTS TO BE IN COLD SHUTDOWN AT 14:00 ON 11/26/92.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR AND THE DADE COUNTY EMERGENCY OPERATIONS CENTER. THE LICENSEE HAS INFORMED THE STATE OF FLORIDA. HOO NOTIFIED R2DO (CHRISTENSEN) AND EO (HOLOHAN).

\*\*\* UPDATE ON 11/26/92 @ 0818 EST FROM PREVATT TAKEN BY McGINTY\*\*\*

THE LICENSEE WENT BELOW 200F AT 0812 EST ON 11/26/92 AND TERMINATED THE UNUSUAL EVENT. THE LINE WITH THE LEAKING CAP IS AN OLD LINE THAT WAS A LEAKOFF WHEN THE VALVE USED TO HAVE A BELLOWS. THE LINE IS LOCATED BELOW THE PACKING (PRIMARY BOUNDARY), AND THERE IS ALSO A SECOND PACKING LEAKOFF LINE ABOVE THE PACKING. THE LICENSEE WILL BE CUTTING OFF AND REPLACING THE CAP TODAY (WILL ALSO REPLACE THE CAP ON THE OTHER SPRAY VALVES CAPPED LEAKOFF LINE TO INSPECT), AND EXPECTS TO BE HEATING UP TONIGHT.

THE LICENSEE INFORMED THE STATE OF FLORIDA, DADE COUNTY AND THE RESIDENT INSPECTOR. HOO NOTIFIED R2DO (CHRISTENSEN), EO (HOLOHAN) AND FEMA (SULLIVAN).

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Power Reactor

Event # 24671

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: BEAVER VALLEY                 |           | Notification Date / Time: 11/28/1992 17:40 (EST) |   |
| Unit: 1 2                           | Region: 1 | State : PA                                       | Event Date / Time: 11/28/1992 16:35 (EST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 11/28/1992                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: RON VALLECORSA     |           | Notifications: MARIE MILLER RDO                  |   |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | GARY HOLAHAN EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | DAMECO FEMA                                      |   |
| 10 CFR Section:                     |           |  |   |
| 73.71(b)(1) SECURITY DEGRADATION    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 90         | Power Operation | 90         | Power Operation |
| 2    | N          | Yes     | 46         | Power Operation | 46         | Power Operation |

SAFEGUARDS SYSTEM DEGRADATION OCCURRED WHILE TROUBLESHOOTING SECURITY COMPUTER TRANSFER FUNCTION. DEGRADATION INVOLVED LOSS OF SECURITY MONITORING ALARM SYSTEM AND CARD READER ACCESS CONTROL SYSTEM. SYSTEMS WERE LOST AT 1635 EST AND RESTORED AT 1645 EST. COMPENSATORY ACTIONS HAD ALREADY BEEN ESTABLISHED PRIOR TO THE EVENT DUE TO EARLIER PROBLEMS WITH THE COMPUTERS. BASED ON LICENSEE'S EMERGENCY ACTION LEVELS, LOSS OF SECURITY TO THIS EXTENT REQUIRED DECLARATION OF A UNUSUAL EVENT. LICENSEE DECLARED AND TERMINATED THE UE AT 1701 EST. STATE, LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR HAVE BEEN INFORMED. SEE HOO LOG FOR MORE DETAILS.

SEE SIMILAR EVENT #24669.

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Power Reactor

Event # 24691

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: ROBINSON                         |            | Notification Date / Time: 12/02/1992 23:56 (EST) |   |                 |            |                 |
| Unit: 2                                | Region: 2  | State : SC                                       | Event Date / Time: 12/02/1992 23:05 (EST) |                 |            |                 |
| Reactor Type: [2] W-3-LP               |            | Last Modification: 12/02/1992                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: HORNE                 |            | Notifications: WILLIAM RANKIN RDO                |   |                 |            |                 |
| HQ Ops Officer: GREG SCARFO            |            | CECIL THOMAS EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N          | Yes  | 100                                       | Power Operation | 90         | Power Operation |

AT 2305EST, AN NOUE WAS DECLARED WHEN A REACTOR COOLANT SYSTEM (RCS) LEAK OF 43 CC/MINUTE OCCURRED PAST TWO RCS SAMPLE VALVES. A TECHNICAL SPECIFICATION (T/S)-REQUIRED SHUTDOWN HAS BEEN INITIATED.

AT 2305EST, AN NOUE WAS DECLARED WHEN EXCESSIVE LEAKAGE PAST 3/4" PRIMARY SAMPLE VALVES "PS-956E" AND "PS-956F" OCCURRED AFTER A TECHNICIAN ATTEMPTED TO ISOLATE A PACKING LEAK ON PRIMARY SAMPLE VALVE "PS-956F" BY CLOSING THE TWO PRIMARY SAMPLE VALVES. THE MAGNITUDE OF THE LEAK WAS DETERMINED TO BE APPROXIMATELY 43 CC/MINUTE. THE VALVES WERE DECLARED INOPERABLE AND T/S ACTION STATEMENT 3.6.3.D (LOSS OF CONTAINMENT VESSEL INTEGRITY) WAS ENTERED. THIS ACTION STATEMENT REQUIRES THAT THE UNIT BE IN COLD SHUTDOWN WITHIN 36 HOURS. A CONTROLLED SHUTDOWN WAS INITIATED AT 2300EST.

THE PRIMARY SAMPLE VALVES ARE LOCATED IN THE PRIMARY SAMPLE ROOM OUTSIDE OF CONTAINMENT. THE LEAKAGE IS BEING DEPOSITED INTO A "SAMPLE SINK" WHICH DISCHARGES TO A WASTE HOLDUP TANK VIA THE "#1" SUMP. NO ELEVATED RADIATION LEVELS HAVE BEEN DETECTED IN THE PRIMARY SAMPLE ROOM.

CORRECTIVE ACTIONS INCLUDE REPLACING THE PRIMARY SAMPLE VALVES. THE CRITERION FOR EXITING THE NOUE IS REDUCING THE LEAK RATE BELOW 12 CC/MINUTE AND RESTORING CONTAINMENT VESSEL INTEGRITY. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED.

\*\*\* UPDATE 12/03/92 0030EST FROM:CROOK BY:SCARFO \*\*\*

REACTOR POWER HAS BEEN REDUCED BELOW 90% AND THE LEAK RATE IS APPROXIMATELY 19 CC/MINUTE. THE T/S-REQUIRED SHUTDOWN WILL BE TERMINATED WHEN THE LEAK RATE IS REDUCED BELOW 12 CC/MINUTE. THE LICENSEE ANTICIPATES THIS CONDITION WILL BE ACHIEVED WITHIN A COUPLE OF HOURS.

Power Reactor

Event # 24691

\*\*\* UPDATE 12/03/92 0244EST FROM:CROOK BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0220EST AND T/S ACTION STATEMENT 3.6.3.D WAS EXITED (TERMINATED THE UNIT SHUTDOWN) WHEN RCS LEAKAGE DROPPED BELOW 12 CC/MINUTE. CURRENT POWER IS 77% AND RCS LEAKAGE IS APPROXIMATELY 10 CC/MINUTE. RCS LEAKAGE WAS REDUCED BY INCREASING THE SPRING FORCE ON THE VALVES TO TIGHTEN THEIR SEATING. THE LICENSEE WILL INCREASE POWER OF THE UNIT AT 10% PER HOUR UNTIL FULL POWER OPERATION IS RESUMED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. R2DO(RANKIN), EO(THOMAS), AND FEMA(AUSTIN) NOTIFIED.

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Fuel Cycle Facility

Event # 24716

|   |  |  |      |
|---|--|--|------|
| Facility: BABCOCK & WILCOX CO.              |  | Notification Date / Time: 12/08/1992 15:41 (EST) |      |
| Licensee: BABCOCK & WILCOX CO.              |  | Event Date / Time: 12/08/1992 15:30 (EST)        |      |
| Fac Type: URANIUM FUEL R&D AND PILOT PLANTS |  | Last Modification: 12/08/1992                    |      |
| Region: 2                                   |  | Docket #: 07000824                               |      |
| City: LYNCHBURG                             |  | Agreement State: No                              |      |
| County: CAMPBELL                            |  | License #: SNM-778                               |      |
| State: VA                                   |  |  |      |
| NRC Notified by: COFFEY/OLSEN               |  | Notifications: DOUGLAS COLLINS                   | RDO  |
| HQ Ops Officer: GREG SCARFO                 |  | GREEVES  | EO   |
| Emergency Class: UNUSUAL EVENT              |  | AUSTIN   | FEMA |
| 10 CFR Section:                             |  |  |      |
| 50.72(a)(1)(i) EMERGENCY DECLARED           |  |  |      |

AT 1530EST, AN NOUE WAS DECLARED DUE TO A FIRE IN A HOTCELL CONTAINING AN IRRADIATED FUEL ROD WHICH LASTED APPROXIMATELY TEN MINUTES. NO RADIATION RELEASES OR PERSONNEL EXPOSURES OCCURRED.

AT 1530EST, AN NOUE WAS DECLARED DUE TO A FIRE IN A HOTCELL. PRIOR TO THE FIRE, THE ZIRCALLOY CLADDING OF AN IRRADIATED FUEL ROD WAS BEING CUT. THE LICENSEE BELIEVES THAT A SPARK FROM THE CUTTING OF THE CLADDING IGNITED WASTE MATERIAL ON THE FLOOR OF THE HOTCELL. AFTER APPROXIMATELY TEN MINUTES, THE HALON SYSTEM ACTUATED TO EXTINGUISH THE FIRE.

RADIATION MONITORS AT THE PLANT STACK AND AROUND THE HOTCELL DID NOT REGISTER ANY ELEVATED RADIATION LEVELS. NO RELEASE OF RADIOACTIVE MATERIALS OR PERSONNEL EXPOSURES OCCURRED.

THE CRITERION FOR TERMINATING THE NOUE IS THE COMPLETION OF A VISUAL INSPECTION OF THE HOTCELL TO CONFIRM THAT ALL REMNANTS OF THE FIRE ARE EXTINGUISHED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE VIRGINIA DEPARTMENT OF EMERGENCY SERVICES AND CAMPBELL COUNTY HAVE BEEN NOTIFIED.

\*\*\* UPDATE 12/08/92 1604EST FROM:COFFEY BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1600EST WHEN A VISUAL INSPECTION OF THE HOTCELL CONFIRMED THAT THE FIRE WAS EXTINGUISHED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. EO(GREEVES), R2DO(COLLINS), FEMA(AUSTIN) NOTIFIED.

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Power Reactor

Event # 24720

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 12/09/1992 06:08 (EST) |   |                 |            |                 |
| Unit: 3                                  | Region: 1  | State : CT                                       | Event Date / Time: 12/09/1992 05:50 (EST) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 12/09/1992                    |   |                 |            |                 |
| Containment Type: DRY SUB                |            |  |   |                 |            |                 |
| NRC Notified by: ROBERT HASKELL          |            | Notifications: HAROLD GRAY RDO                   |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH              |            |  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            |  |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(b)(1)(ii)(B) OUTSIDE DESIGN BASIS  |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(B) DEVIATION FROM T SPEC  |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3  | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

ENTERED TECH SPEC (TS) 3.0.3 WHEN CHARGING AND BORATION FLOW PATH COMPONENTS WERE DECLARED INOPERABLE DUE TO LOW OUTSIDE AIR TEMPERATURE.

OUTSIDE AIR TEMPERATURES BELOW 17 DEGREES F AND EXISTING PROBLEMS WITH ROOM HEATING COUPLED WITH CERTAIN ACCIDENT SCENARIOS COULD RENDER CHARGING PUMPS INOPERABLE. CONSEQUENTLY, THE LICENSEE ENTERED TECH SPEC 3.0.3 AT 0550 EST. IF OUTSIDE AIR TEMPERATURES DO NOT INCREASE, THE UNIT WILL BEGIN TO SHUT DOWN AT 3% PER MINUTE AT 0645 EST. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR AND ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 0710 EST FROM FRANKS TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT DECLARED AT 0650 EST DUE TO TECH SPEC REQUIRED SHUTDOWN. THE LICENSEE HAS NOT BEEN ABLE TO INFORM THE NRC RESIDENT INSPECTOR. R1DO (GRAY) AND R1 (CONTE), EO (CALVO), FEMA (BAGWELL) NOTIFIED.

\*\*\* UPDATE AT 0811 EST FROM ASHINGURST TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 0807 EST. LICENSEE EXITED TECH SPEC WHEN AIR TEMPERATURE ROSE ABOVE 17 DEGREES F. R1 (SWETLAND) NOTIFIED BY THE LICENSEE IN LIEU OF RESIDENT INSPECTOR. R1DO (GRAY), EO (CALVO), FEMA (WRIGHT) NOTIFIED.

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Power Reactor

Event # 24730

|                                   |            |           |            |  |   |                 |
|-----------------------------------|------------|-----------|------------|--|---|-----------------|
| Site: OYSTER CREEK                |            |           |            | Notification Date / Time: 12/11/1992 10:12 (EST) |   |                 |
| Unit: 1                           |            | Region: 1 | State : NJ |  | Event Date / Time: 12/11/1992 09:55 (EST) |                 |
| Reactor Type: [1] GE-2            |            |           |            | Last Modification: 12/13/1992                    |   |                 |
| Containment Type: MARK I          |            |           |            |  |   |                 |
| NRC Notified by: JOHN VERMEYLEN   |            |           |            | Notifications: HAROLD GRAY                       |   | RDO             |
| HQ Ops Officer: RUDY KARSCH       |            |           |            | JOSE CALVO                                       |   | EO              |
| Emergency Class: UNUSUAL EVENT    |            |           |            | WRIGHT   |   | FEMA            |
| 10 CFR Section:                   |            |           |            |  |   |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |   |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power                                | Current RX Mode |
| 1                                 | N          | No        | 0          | Refueling  | 0   | Refueling       |

UNUSUAL EVENT DECLARED DUE TO HIGH WATER LEVEL AT THE INTAKE STRUCTURE.

HIGH WINDS AND TIDES CAUSED THE WATER LEVEL AT THE INTAKE TO EXCEED THE MAXIMUM LEVEL NOTED IN THE LICENSEE'S EMERGENCY PLAN. IF THE WATER LEVEL ROSE ANOTHER FOOT AND A HALF IT COULD THREATEN THE OPERABILITY OF CIRC AND SERVICE WATER PUMPS. HIGH TIDE HAS PASSED AND THE WATER LEVEL IS EXPECTED TO GO DOWN. NO SPECIFIC ACTION IS REQUIRED. THE UNUSUAL EVENT WILL BE TERMINATED WHEN THE WATER LEVEL DROPS TO LESS THAN 4.5 FEET ABOVE MEAN SEA LEVEL. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2125 ON 12/13/92 BY FWANK ENTERED BY HOO JOLLIFFE \*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT AT 2115. PRESENT INTAKE STRUCTURE WATER LEVEL IS 3.25 FEET ABOVE MEAN SEA LEVEL. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL INFORM THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R1DO GRAY, NRR EO CALVO, FEMA AUSTIN.

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Power Reactor

Event # 24756

|  |           |  |   |
|--|-----------|--|---|
| Site: BYRON                            |           | Notification Date / Time: 12/15/1992 03:25 (EST) |   |
| Unit: 1                                | Region: 3 | State : IL                                       | Event Date / Time: 12/15/1992 01:44 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 12/15/1992                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: PETER KNARR           |           | Notifications: BJ HOLT RDO                       |   |
| HQ Ops Officer: STEVE SANDIN           |           | JOSE CALVO EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | DAMICO FEMA                                      |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 99         | Power Operation | 62         | Power Operation |

UNIT 1 DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED SHUTDOWN AFTER DECLARING THE "D" STEAM GENERATOR FEEDWATER ISOLATION VALVE (FWIV) INOPERABLE.

"DUE TO THE HYDRAULIC ACTUATOR FAILURE ON A FEEDWATER ISOLATION VALVE A PLANT SHUTDOWN IS REQUIRED BY PLANT TECHNICAL SPECIFICATION. THE UNIT MUST BE IN MODE 3 PRIOR TO 0744CST. HOWEVER, IT IS EXPECTED THAT THE FEEDWATER ISOLATION VALVE WILL BE CLOSED PRIOR TO THIS TIME. ONCE THE VALVE IS CLOSED, THE TECHNICAL SPECIFICATION ACTION STATEMENT WILL BE SATISFIED AND THE UNUSUAL EVENT TERMINATED."

DURING SURVEILLANCE TESTING OF THE "1FW009D" FWIV THE VALVE FAILED TO FULLY REOPEN AFTER BEING STROKED CLOSED. LICENSEE SUSPECTS EITHER A FAILURE OF THE HYDRAULIC PUMP OR ONE OF ITS ASSOCIATED SOLENOIDS. THE VALVE WAS DECLARED INOPERABLE PLACING UNIT 1 IN TECH SPEC 3.6.3-1A (CONTAINMENT INTEGRITY) AND AN UNUSUAL EVENT DECLARED DUE TO A TECH SPEC REQUIRED SHUTDOWN PER THEIR EMERGENCY PLAN. THE LICENSEE INTENDS TO REDUCE POWER TO < 25%, ESTABLISH FEEDWATER FLOW THROUGH THE FEED REG VALVE BYPASS VALVE THEN USE NITROGEN PRESSURE TO CLOSE THE PARTIALLY OPENED VALVE EXITING BOTH THE TECH A/S AND UNUSUAL EVENT. THE LICENSEE WILL MAINTAIN THE PLANT IN THIS CONDITION WHILE THE FWIV VALVE IS REPAIRED. CURRENT ESTIMATE IS THAT UNIT 1 WILL BE < 25% POWER BY 0600CST. THE LICENSEE INFORMED STATE, LOCAL AND OTHER GOVERNMENT AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 0828EST 12/15/92 FROM BRAD MILNER BY S.SANDIN \*\*\*

UNIT 1 TERMINATED THE UNUSUAL EVENT AND EXITED THEIR TECH SPEC REQUIRED SHUTDOWN WITH POWER AT 24% AT 0707CST AFTER CLOSING THE PARTIALLY OPEN FWIV AT 0652CST. LICENSEE ESTIMATES THAT REPAIRS WILL REQUIRE APPROX 6-8 HOURS. ALSO, THE LICENSEE CLARIFIED THAT THE ALTERNATE FEEDPATH VICE FEED REG VALVE BYPASS VALVE AS PREVIOUSLY DESCRIBED IS BEING USED TO SUPPLY SG "D". THE LICENSEE INFORMED STATE, LOCAL AND OTHER GOVERNMENT AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO(HOLT), EO(CHAFFEE) AND

05/19/2005

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Power Reactor  
FEMA(LOUZONIS).

Event # 24756

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Power Reactor

Event # 24780

|                                      |                      |  |   |
|--------------------------------------|----------------------|--|---|
| Site: PEACH BOTTOM                   |                      | Notification Date / Time: 12/19/1992 08:05 (EST) |   |
| Unit: 2 3                            | Region: 1            | State : PA                                       | Event Date / Time: 12/19/1992 07:35 (EST) |
| Reactor Type: [2] GE-4,[3] GE-4      |                      | Last Modification: 12/19/1992                    |   |
| Containment Type: MARK I MARK I      |                      |  |   |
| NRC Notified by: ANDERSON & BREIDENB |                      | Notifications: RICHARD KEIMIG RDO                |   |
| HQ Ops Officer: RUDY KARSCH          |                      | ERNIE ROSSI EO                                   |   |
| Emergency Class: UNUSUAL EVENT       |                      | BELCHER FEMA                                     |   |
| 10 CFR Section:                      |                      |  |   |
| 50.72(a)(1)(i)                       | EMERGENCY DECLARED   |  |   |
| 50.72(b)(1)(v)                       | ENS INOPERABLE       |  |   |
| 50.72(b)(1)(v)                       | OTHER ASMT/COMM INOP |  |   |
| 50.72(b)(1)(v)                       | EMERGENCY SIREN INOP |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 20         | Power Operation | 20         | Power Operation |
| 3    | N          | Yes     | 20         | Power Operation | 20         | Power Operation |

UNUSUAL EVENT DECLARED UNDER THE LICENSEE'S EMERGENCY PLAN DUE TO LOST EMERGENCY COMMUNICATIONS AND ASSESSMENT CAPABILITY.

THE LICENSEE NOTICED AT 0503 EST THAT THEIR EMERGENCY TELEPHONE TO THE NRC WAS OUT. THEY WERE INSTALLING EQUIPMENT IN THE BUILDING THAT HOUSES THE TELEPHONE EQUIPMENT. THE TECHNICAL SUPPORT CENTER (TSC) IS ALSO LOCATED IN THIS BUILDING. ISOLATING POWER TO THIS BUILDING APPEARS TO HAVE RENDERED SEVERAL REDUNDANT TELEPHONE SYSTEMS INOPERABLE.

THIS EVENT WAS UPGRADED TO AN UNUSUAL EVENT AT 0735 EST, WHEN FURTHER INVESTIGATION DETERMINED THAT THE EMERGENCY NOTIFICATION SYSTEM TO THE NRC, THE DEDICATED PHONES TO STATE AND COUNTY EMERGENCY AGENCIES, AND THE EMERGENCY ASSESSMENT CAPABILITIES OF THE TSC WERE INOPERABLE. COMMERCIAL TELEPHONE SERVICE TO THE CONTROL ROOM IS OPERABLE. THE LICENSEE HAS NOTIFIED THE AFFECTED STATE AND COUNTY AGENCIES ABOUT THE OUTAGE [THIS IS AN OFFSITE NOTIFICATION PER 50.72(b)(2)(vi)], AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1027 EST FROM BREIDENBAUGH TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 1015 EST. THE LICENSEE IS USING A PORTABLE GENERATOR TO PROVIDE POWER TO THE TELEPHONE EQUIPMENT BATTERY CHARGER. ALL TELEPHONE AND EMERGENCY ASSESSMENT CAPABILITY HAS BEEN RESTORED. RGN 1 DO (KEIMIG), NRR EO (ROSSI) AND FEMA (SIMMERS) NOTIFIED.

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Power Reactor

Event # 24810

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: COOPER                      |            | Notification Date / Time: 12/30/1992 11:50 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 4  | State : NE                                       | Event Date / Time: 12/30/1992 10:07 (CST) |                 |            |                 |
| Reactor Type: [1] GE-4            |            | Last Modification: 12/30/1992                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: RON SHAW         |            | Notifications: LES CONSTABLE RDO                 |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            | CHRIS GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | MOSTELLER FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                 |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT AT 1007 CST WHEN THEY DECLARED BOTH EMERGENCY DIESEL GENERATORS INOPERABLE DUE TO DESIGN BASIS CONCERNS.

AS PART OF THE DESIGN BASIS RECONSTITUTION EFFORT, DURING PERFORMANCE OF A DESIGN REVIEW OF THE AC ELECTRICAL SYSTEM, IT WAS DETERMINED THAT IN THE EVENT OF A SEISMIC, TORNADO, OR MISSILE EVENT, COUPLED WITH A LOSS OF OFF-SITE POWER, CLOSURE OF THE DIESEL GENERATOR OUTPUT BREAKERS COULD BE INHIBITED DUE TO DAMAGE TO A PORTION OF THE CONTROL CIRCUITRY FOR 4160V BREAKERS 1FA AND 1GB WHICH IS LOCATED IN NON-SEISMIC STRUCTURES. AS A RESULT, AT 1007 CST, THE LICENSEE DECLARED BOTH EMERGENCY DIESEL GENERATORS INOPERABLE AND DECLARED AN UNUSUAL EVENT.

IN ACCORDANCE WITH TECHNICAL SPECIFICATION 3.5.F.2, A POWER REDUCTION TO 25% RATED THERMAL POWER WAS COMMENCED AT 1030 CST. VERIFICATION OF LOW PRESSURE CORE STANDBY COOLING SYSTEMS REQUIRED BY TECHNICAL SPECIFICATION 3.5.F.2 IS BEING PERFORMED.

A PROPOSED MODIFICATION TO THE 1FA AND 1GB BREAKER CONTROL CIRCUITRY WHICH WILL RESOLVE THE IDENTIFIED CONCERN IS BEING REVIEWED BY THE LICENSEE. IMPLEMENTATION IS EXPECTED TO BEGIN SHORTLY AND SHOULD BE COMPLETED WELL BEFORE THE 24 HOUR LCO TIME FRAME (TECHNICAL SPECIFICATIONS REQUIRE THAT THE DIESELS BE RETURNED TO SERVICE OR POWER REDUCED BELOW 25%).

FURTHER DETAILS REGARDING THIS PROBLEM WILL BE PROVIDED IN AN LER WITHIN THE NEXT 30 DAYS.

ALL OFFSITE POWER SUPPLIES ARE AVAILABLE. THE ELECTRICAL GRID IS STABLE. THE WEATHER IS FAIR, OVERCAST, NO PRECIPITATION, ABOUT 25 DEGREES F WITH ABOUT 4 MILE PER HOUR WINDS ONSITE. NO OTHER ABNORMAL CONDITIONS EXIST AT THE SITE. ALL SAFETY SYSTEMS ARE CONSIDERED OPERABLE.

Power Reactor

Event # 24810

THE STATE AND LOCAL OFFICIALS AS WELL AS THE NRC RESIDENT INSPECTOR HAVE BEEN NOTIFIED BY THE LICENSEE. NO OTHER NOTIFICATIONS OR PRESS RELEASE IS PLANNED AT THIS TIME.

\*\*\*\* UPDATE AT 1558 EST ON 12/30/92 BY SHAW TAKEN BY ANDREWS \*\*\*\*  
LICENSEE TERMINATED UNUSUAL EVENT AT 1433 CST WHEN THEY FINISHED MODIFICATIONS TO THE 1FA BREAKER, MAKING ONE OF THE DIESEL GENERATORS OPERABLE.

THE POWER REDUCTION WAS TERMINATED AT APPROXIMATELY 65% RATED THERMAL POWER. THE LICENSEE IS MAKING PREPARATIONS TO TO RETURN TO 100%.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AS WELL AS THE RESIDENT INSPECTOR REGARDING THE TERMINATION.

HOO NOTIFIED R4DO (CONSTABLE), EO (GRIMES), AND FEMA (HERSKO).

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Power Reactor

Event # 24819

|                                      |           |  |   |
|--------------------------------------|-----------|--|---|
| Site: SEQUOYAH                       |           | Notification Date / Time: 12/31/1992 22:42 (EST) |   |
| Unit: 1 2                            | Region: 2 | State : TN                                       | Event Date / Time: 12/31/1992 21:50 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP  |           | Last Modification: 01/01/1993                    |   |
| Containment Type: ICE COND ICE COND  |           |  |   |
| NRC Notified by: C. FIELDS           |           | Notifications: MIKE ERNSTES RDO                  |   |
| HQ Ops Officer: RUDY KARSCH          |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT       |           | SULLIVAN FEMA                                    |   |
| 10 CFR Section:                      |           | HAYDEN PAO                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |           |  |   |
| 50.72(b)(2)(ii) RPS ACTUATION        |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION        |           |  |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |
| 2    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 2200 EST IN ACCORDANCE WITH CRITERIA IN THEIR EMERGENCY PLAN WHEN THEY LOST THEIR 500 KV SWITCHYARD FOR UNKNOWN REASONS AND BOTH REACTORS TRIPPED.

BOTH UNITS ARE STABLE IN MODE THREE WITH T AVE ABOVE 540 DEGREES, ALL CONTROL RODS FULLY INSERTED FOLLOWING THE REACTOR TRIP. THE UNIT 1 ATMOSPHERIC RELIEF VALVES OPENED BRIEFLY AND RECLOSED. THE ATMOSPHERIC RELIEF VALVES FOR UNIT 2 WERE NOT OBSERVED TO OPEN. OFF SITE POWER WAS NOT LOST DUE TO THE LOSS OF THE 500 KV SWITCHYARD, HOWEVER, ALL EMERGENCY DIESEL GENERATORS (EDGs) STARTED AND PROVIDED POWER TO THEIR RESPECTIVE SHUTDOWN BOARDS. THE COOLING WATER TO THE MAIN CONDENSERS WAS LOST MOMENTARILY, BUT THE MAIN CONDENSERS ARE NOW ABSORBING DECAY HEAT. THE FIRST OUT ANNUNCIATOR WAS REACTOR COOLANT PUMP UNDERVOLTAGE, BUT THE REACTOR COOLANT PUMPS HAVE BEEN RUNNING THROUGHOUT THIS EVENT.

IN ADDITION TO THE EDG STARTS ALL AUXILIARY FEEDWATER PUMPS AT BOTH UNITS STARTED AND THE AUXILIARY BUILDING ISOLATED. BOTH MOTOR DRIVEN AUX FEED PUMPS ARE CURRENTLY SUPPLYING FEED TO THE UNIT 1 STEAM GENERATORS, AND ALL THREE AUX FEED PUMPS ARE SUPPLYING THE UNIT 2 STEAM GENERATORS. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE STATE OF TENNESSEE.

\*\*\*UPDATE AT 2355 EST FROM FIELDS TAKEN BY KARSCH\*\*\*THE LICENSEE EXITED THE UNUSUAL EVENT AT 2348 EST. THEY DETERMINED THAT A FAULT CAUSED THE LOSS OF THEIR 500 KV SWITCHYARD. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R2DO (ERNSTES), EO (BOGER) AND FEMA (SULLIVAN) NOTIFIED.

\*\*\*UPDATE AT 01:24 @ 1/1/93 BY FIELDS TO GOULD\*\*\* THE LICENSEE MADE A PRESS RELEASE ON THIS EVENT. THE RI WAS INFORMED.

Power Reactor

Event # 24819

\*\*\* UPDATE AT 1400 EST ON 1/1/93 BY KARSCH \*\*\*

COMMISSIONERS ASSISTANTS BRIEFING NOTIFICATIONS (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD(SPESSARD & ROSENTHAL), IRB(BROCKMAN & GIITTER), COMM SELIN(MCOSKER), CURTISS(TRIMBLE), REMICK(DOOLITTLE), ROGERS(FLEISHMAN), de PLANQUE(McKENNA), EDO(\*), EDO REGION(PLISCO), EO(BOGER), RDO(ERNSTES), PAO(FOUCHARD), CAO(CALLAHAN), SECY(HILL), STATE(\*), IP(CHANEY), BRIEFER (RGN2:KELLOG), OTHERS(LAINAS, MERSCHOFF, CLARK, WILSON)

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Power Reactor

Event # 24827

|  |           |  |   |
|--|-----------|--|---|
| Site: ZION                             |           | Notification Date / Time: 01/04/1993 16:33 (EST) |   |
| Unit: 1                                | Region: 3 | State : IL                                       | Event Date / Time: 01/04/1993 15:30 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 01/04/1993                    |   |
| Containment Type:                      |           |  |   |
| NRC Notified by: MADIGAN               |           | Notifications: ROBERT HASSE RDO                  |   |
| HQ Ops Officer: JOSEPH SEBROSKY        |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | MUSE FEMA  |   |
| 10 CFR Section:                        |           | JOE GIITTER AEOD                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           | KEN BROCKMAN AEOD                                |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 99         | Power Operation | 99         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO 2 OF THE 6 ECCS PUMPS BEING DECLARED INOPERABLE.

WITH THE 1B SAFETY INJECTION PUMP OUT OF SERVICE FOR REPAIRS THE 1A CHARGING PUMP WAS DECLARED INOPERABLE DUE TO VIBRATION READINGS OUTSIDE THE ACCEPTABLE RANGE. THE 1A CHARGING PUMP WAS BEING TESTED DUE TO THE WORK ON THE 1B SAFETY INJECTION PUMP. THE LICENSEE THEN ENTERED TECH SPEC 3.8.2.D DUE TO 2 OF THE 6 ECCS PUMPS BEING INOPERABLE. THE TECH SPEC REQUIRES THE PLANT TO BE IN HOT SHUTDOWN WITHIN 4 HOURS.

THE 1B CHARGING PUMP, THE 1A SAFETY INJECTION PUMP AND THE TWO LOW HEAD INJECTION RHR PUMPS ARE AVAILABLE AT THIS TIME. (THE CHARGING PUMPS CAN INJECT WATER AT NORMAL OPERATING PRESSURE, WHILE THE SAFETY INJECTION PUMPS HAVE A SHUTOFF HEAD OF 1600 PSIG.) ALL THE DIESEL GENERATORS ARE OPERABLE AND ALL OFFSITE POWER IS CURRENTLY AVAILABLE.

THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE THE REPAIR OF THE 1B SAFETY INJECTION PUMP OR THE PLANT BEING IN A SHUTDOWN CONDITION.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR, THE ILLINOIS ESDA, THE DEPARTMENT OF NUCLEAR SAFETY FOR THE STATE OF ILLINOIS, THE WISCONSIN DEG AND THE KENOSHA COUNTY SHERIFF.

\*\*\* UPDATE AT 19:22 1/4/93 FROM MADIGAN TAKEN BY SEBROSKY \*\*\*

THE LICENSEE EXITED THE UNUSUAL EVENT AT 17:55 CST BASED ON A TECH SPEC WAIVER OF COMPLIANCE BEING APPROVED BY THE NRC AT 17:35 CST. THE WAIVER ALLOWS THE LICENSEE 24 HOURS TO REPAIR THE 1B SAFETY INJECTION PUMP AND TO EXIT THE TECH SPEC LCO OF 3.8.2.D. (THE LICENSEE REMAINS IN A 7 DAY TECH SPEC LCO ,3.8.1.D, DUE TO THE 1A CHARGING PUMP BEING INOPERABLE.)

Power Reactor

Event # 24827

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR, THE ILLINOIS ESDA, THE DEPARTMENT OF NUCLEAR SAFETY FOR THE STATE OF ILLINOIS, THE WISCONSIN DEG AND THE KENOSHA COUNTY SHERIFF.

HOO NOTIFIED R3DO(HASSE), NRR EO(CONGEL), AEOD(BROCKMAN), AND FEMA(MUSE)

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Power Reactor

Event # 24836

|                                   |            |           |            |  |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Site: PALISADES                   |            |           |            | Notification Date / Time: 01/06/1993 01:33 (EST) |            |                 |
| Unit: 1                           |            | Region: 3 | State : MI | Event Date / Time: 01/06/1993 01:23 (EST)        |            |                 |
| Reactor Type: [1] CE              |            |           |            | Last Modification: 01/06/1993                    |            |                 |
| Containment Type: DRY AMB         |            |           |            |  |            |                 |
| NRC Notified by: MARK HOLBEIN     |            |           |            | Notifications: ROBERT HASSE RDO                  |            |                 |
| HQ Ops Officer: THOMAS ANDREWS    |            |           |            | GUS LAINAS EO                                    |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |           |            | BAGWELL FEMA                                     |            |                 |
| 10 CFR Section:                   |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                 | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT AT 0123 EST WHEN BOTH EMERGENCY DIESEL GENERATORS WERE DECLARED INOPERABLE WITH PRIMARY COOLANT SYSTEM TEMPERATURE GREATER THAN 300 DEGREES F.

AT THE TIME OF THE EVENT, THE "1-1" EMERGENCY DIESEL GENERATOR WAS TAGGED OUT FOR MAINTENANCE (THE OUTPUT BREAKER WAS OPEN, PREVENTING IT FROM PROVIDING POWER TO THE EMERGENCY BUS). THE "1-2" DIESEL WAS BEING SECURED FROM TESTING. AFTER THE "1-2" DIESEL HAD BEEN SHUT DOWN, THE OVERSPEED TRIP ACTUATED. IT APPEARS THAT THIS WAS A MANUAL ACTUATION, HOWEVER, THE CAUSE OF THIS TRIP IS STILL UNDER INVESTIGATION.

THE OVERSPEED TRIP CIRCUIT WAS RESET AND THE "1-2" DIESEL WAS TEST STARTED SATISFACTORILY. THE "1-2" DIESEL WAS THEN DECLARED OPERABLE. THE CONDITION WITH BOTH EMERGENCY DIESEL GENERATORS INOPERABLE LASTED ABOUT 2 MINUTES.

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0134 EST SINCE ONE DIESEL GENERATOR WAS OPERABLE. PLANT CONDITIONS, INCLUDING OFFSITE POWER SUPPLIES ARE STABLE.

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR. BOTH STATE AND LOCAL OFFICIALS HAVE BEEN CONTACTED BY THE LICENSEE. IT IS NOT KNOWN IF A PRESS RELEASE WILL BE MADE.

\*\*\*\*\*

Power Reactor

Event # 24867

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SOUTH TEXAS                      |            | Notification Date / Time: 01/12/1993 17:18 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 4  | State : TX                                       | Event Date / Time: 01/12/1993 15:51 (CST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 01/13/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: FRAHM                 |            | Notifications: TOM STETKA RDO                    |   |                 |            |                 |
| HQ Ops Officer: JOSEPH SEBROSKY        |            | JOHN ZWOLINSKI EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | SULLIVAN FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                        |            | JOE GIITTER AEOD                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            | KEN BROCKMAN AEOD                                |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 74  | Power Operation | 74         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO MAIN STEAM PRESSURE TRANSMITTERS BEING DECLARED INOPERABLE.

THE LICENSEE ENTERED TECH SPEC ACTION 3.0.3 DUE TO THE LEAD AND LAG TIME CONSTANTS USED IN THE COMPENSATED STEAM LINE PRESSURE LOW AND STEAM LINE PRESSURE NEGATIVE RATE HIGH TRIP SETPOINTS VIOLATING THE TECHNICAL SPECIFICATIONS. (THE APPLICABLE TECH SPECS ARE 3.3.4.1.4C AND 3.3.4.1.4E RESPECTIVELY). IT APPEARS THAT THE CALIBRATION PROCEDURE USED TO CALIBRATE THE PRESSURE TRANSMITTERS HAD TOLERANCE BANDS THAT WERE LESS CONSERVATIVE THAN THAT ALLOWED BY THE TECHNICAL SPECIFICATIONS.

THERE ARE 4 PRESSURE TRANSMITTERS PER STEAM LINE AND THERE ARE FOUR STEAM LINES. TECHNICAL SPECIFICATIONS REQUIRE 3 OF THE 4 PRESSURE TRANSMITTERS PER LINE TO BE OPERABLE. THE LICENSEE CURRENTLY HAS 2 OF THE 4 PRESSURE TRANSMITTERS PER LINE OPERABLE BECAUSE THE FINAL SETTING PER THE CALIBRATION PROCEDURE HAPPENED TO FALL IN THE TECH SPEC ALLOWED BAND.

THE BASIS FOR TERMINATION OF THE UNUSUAL EVENT WILL BE THE LICENSEE ENTERING HOT SHUTDOWN OR THE REQUIRED NUMBER OF PRESSURE TRANSMITTERS BEING DECLARED OPERABLE. THE LICENSEE PLANS ON PERFORMING AN ANALOG CHANNEL OPERATIONAL TEST ON THE TRANSMITTERS THAT HAVE BEEN DECLARED INOPERABLE.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

HOO NOTE: SEE EVENT 24868 FOR RELATED EVENT FOR UNIT 2.

\*\*\*\* UPDATE AT 0300 EST ON 01/13/92 BY WENDEL TAKEN BY ANDREWS \*\*\*\*

LICENSEE EXITED UNUSUAL EVENT AT 0130 CST ON 01/13/93 AFTER COMPLYING WITH TECHNICAL

Power Reactor

Event # 24867

SPECIFICATION 3.3.2 ACTION STATEMENT BY RESTORING A MINIMUM OF TWO CHANNELS PER TRAIN TO OPERABILITY AT 2232 CST ON 01/12/93 FOR UNIT 1.

THE PLANT IS CURRENTLY AT 0% POWER IN MODE 3. THE LICENSEE PLANS ON RESTARTING THE PLANT LATER TODAY.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION. THE RESIDENT INSPECTOR WILL BE NOTIFIED OF THE TERMINATION. AT THIS TIME, THE LICENSEE IS NOT CERTAIN IF A PRESS RELEASE WILL BE MADE.

HOO NOTIFIED R4DO (STETKA), EO (ZWOLINSKI), FEMA (STEINDRUF).

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Power Reactor

Event # 24868

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: SOUTH TEXAS                      |            |           |            | Notification Date / Time: 01/12/1993 18:15 (EST) |            |   |
| Unit: 2                                |            | Region: 4 |            | State : TX                                       |            | Event Date / Time: 01/12/1993 16:39 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            |           |            | Last Modification: 01/13/1993                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: FRAHM                 |            |           |            | Notifications: TOM STETKA RDO                    |            |   |
| HQ Ops Officer: JOSEPH SEBROSKY        |            |           |            | JOHN ZWOLINSKI EO                                |            |   |
| Emergency Class: UNUSUAL EVENT         |            |           |            | BAGWELL FEMA                                     |            |   |
| 10 CFR Section:                        |            |           |            | JOE GIITTER AEOD                                 |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            | KEN BROCKMAN AEOD                                |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| TECH SPEC LCO A/S                      |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                      | N          | Yes       | 96         | Power Operation                                  | 96         | Power Operation                           |

UNUSUAL EVENT DECLARED DUE TO MAIN STEAM PRESSURE TRANSMITTERS BEING DECLARED INOPERABLE.

SEE EVENT 24867 FOR DETAILS. UNIT 2 HAS MORE STEAM TRANSMITTERS DECLARED INOPERABLE THAN UNIT 1. THE NUMBER OF TRANSMITTERS DECLARED INOPERABLE FOR UNIT 2 IS 11.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. THE LICENSEE HAS INFORMED STATE AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

\*\*\*\* UPDATE @ 0300 EST ON 01/13/92 BY WENDEL TAKEN BY ANDREWS \*\*\*\*

LICENSEE EXITED UNUSUAL EVENT AT 0130 CST AFTER COMPLYING WITH TECHNICAL SPECIFICATION 3.3.2 ACTION STATEMENT BY RESTORING A MINIMUM OF TWO CHANNELS PER TRAIN TO OPERABILITY AT 0128 CST ON 01/13/93 FOR UNIT 2.

THE PLANT IS PRESENTLY AT 0% POWER IN MODE 3. THE LICENSEE PLANS ON RESTARTING THE PLANT LATER TODAY.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION. THE RESIDENT INSPECTOR WILL BE NOTIFIED OF THE TERMINATION. AT THIS TIME, THE LICENSEE IS NOT CERTAIN IF A PRESS RELEASE WILL BE MADE.

HOO NOTIFIED R4DO (STETKA), EO (ZWOLINSKI), FEMA (STEINDRUF).

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Power Reactor

Event # 24888

| Site: BRUNSWICK                       |            |           |            | Notification Date / Time: 01/15/1993 10:35 (EST) |            |   |
|---------------------------------------|------------|-----------|------------|--|------------|---|
| Unit: 1 2                             |            | Region: 2 |            | State : NC                                       |            | Event Date / Time: 01/15/1993 09:35 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4       |            |           |            | Last Modification: 01/15/1993                    |            |   |
| Containment Type: MARK I MARK I       |            |           |            |  |            |   |
| NRC Notified by: TIM MASCARENO        |            |           |            | Notifications: PAUL FREDRICKSON RDO              |            |   |
| HQ Ops Officer: THOMAS ANDREWS        |            |           |            | AL CHAFFEE EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT        |            |           |            | BELCHER FEMA                                     |            |   |
| 10 CFR Section:                       |            |           |            | GIITTER AEOD                                     |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |           |            |  |            |   |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |            |           |            |  |            |   |
| Unit                                  | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                     | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |
| 2                                     | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A CHLORINE GAS LEAK WHICH COULD ENDANGER PERSONNEL. THE CLOUD APPEARS TO HAVE DISPERSED AND THE LICENSEE BELIEVES THE CHLORINE SUPPLY HAS BEEN SECURED. THERE WERE NO INJURIES REPORTED. THE LICENSEE HAS EVACUATED ALL AFFECTED AREAS.

THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE VERIFYING THE CHLORINE SUPPLY HAS BEEN SECURED AND THE GAS HAS DISPERSED. DOWNWIND SAMPLING IS IN PROGRESS.

PERSONNEL WORKING ON SCREENS IN THE SERVICE WATER INTAKE AREA NOTICED A STRONG ODOR OF CHLORINE IN THE AREA. THEY LOOKED DOWN IN THE WATER WHERE THE CHLORINE DISPERSAL PIPES WERE LOCATED AND NOTICED BUBBLES IN THE WATER AS WELL AS A GAS CLOUD FORMING.

THE CHLORINE IS BEING SUPPLIED FROM A RAIL TANK CAR WITH A MAXIMUM VOLUME OF APPROXIMATELY 110,000 POUNDS OF CHLORINE. THE TANK CAR IS BELIEVED TO BE ALMOST EMPTY WITH A ROUGH ESTIMATE OF 1000 POUNDS OF CHLORINE. THE CHLORINE IS ROUTED FROM THE TANK CAR TO THE CHLORINATION SYSTEM. WITH THE TANK CAR ISOLATED THE MAXIMUM VOLUME OF CHLORINE THAT CAN BE RELEASED IS THE VOLUME OF THE CHLORINATION SYSTEM. THERE WAS NO ESTIMATE AVAILABLE FOR THIS QUANTITY OR FOR THE AMOUNT OF CHLORINE RELEASED.

THE WIND IS BLOWING AWAY FROM THE PLANT AND CONTROL ROOM. HOWEVER IT IS SHIFTING TOWARD MORE POPULATED AREAS OF THE PLANT. CONTROL ROOM VENTILATION IS IN NORMAL MODE AND HAS NOT ISOLATED ON CHLORINE DETECTION.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS. NO OFFSITE ACTIONS ARE RECOMMENDED AT THIS TIME. THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED. THE LICENSEE DOES NOT ANTICIPATE MAKING A PRESS RELEASE ON THIS EVENT.

Power Reactor

Event # 24888

\*\*\*\* UPDATE @ 1100 EST ON 01/15/92 BY MASCARENO TAKEN BY ANDREWS \*\*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1057 EST AFTER THEY VERIFIED THAT THE CHLORINE LEAK HAD STOPPED AND THAT THE GAS HAD DISPERSED. THEY SURVEYED ALL AREAS AND ALL ELEVATIONS IN THE IMMEDIATE AREA OF THE LEAK AS WELL AS DOWN WIND.

THE LICENSEE HAS NOT SECURED FROM THE ABNORMAL OPERATING PROCEDURE YET SINCE THE FIRE BRIGADE IS STILL OUT IN THE PLANT. WHEN THE FIRE BRIGADE HAS RETURNED TO THE CONTROL ROOM AND SECURED THEIR EQUIPMENT, THEY WILL EXIT THE ABNORMAL OPERATING PROCEDURE.

PRELIMINARY LOOK BY ENGINEERING FOUND THAT THEY MAY HAVE A BROKEN INJECTOR LINE ON TWO OF THE CHLORINE DIFFUSERS (THE BREAK IS JUST BELOW THE WATER LINE)

THE LICENSEE HAS NOTIFIED THE RESIDENT INSPECTOR AS WELL AS STATE AND LOCAL OFFICIALS OF THE TERMINATION.

HOO NOTIFIED R2DO (VERRELLI), EO (CHAFFER), FEMA (BELCHER), NRR (GARY HOLAHAN), & NRR (CAMPE, RISK ASSESSMENT - PAST SPECIALTY IS TOXIC GASES) NOTIFIED.

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Power Reactor

Event # 24889

|  |           |  |   |
|--|-----------|--|---|
| Site: TURKEY POINT                     |           | Notification Date / Time: 01/15/1993 14:54 (EST) |   |
| Unit: 3                                | Region: 2 | State : FL                                       | Event Date / Time: 01/15/1993 14:32 (EST) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP    |           | Last Modification: 01/18/1993                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: TIM GREEN             |           | Notifications: PAUL FREDRICKSON RDO              |   |
| HQ Ops Officer: JOHN MacKINNON         |           | BOB DENNIG EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | WITSBERGER FEMA                                  |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNISOLABLE LEAK ON A SPRAY LINE TEST CAP FITTING. LEAK RATE IS 2 DROPS/MIN.

A 1" WELDED TEST CAP FITTING LOCATED DOWNSTREAM OF SPRAY VALVE PCV-3-455A WAS FOUND TO HAVE A LEAK RATE OF 2 DROPS/MIN. COMING FROM THE WELD AROUND THE TEST CAP. LICENSEE DID NOT KNOW THE SIZE OF THE CRACK IN THE WELD AROUND THE TEST CAP OR HOW FAR THE WELD IS CRACKED AROUND THE TEST CAP. LICENSEE ENTERED TECH SPEC 3.4.6.2.A (UNISOLABLE LEAK IN PRESSURE BOUNDARY) WHICH REQUIRES THEM TO BE SHUTDOWN WITHIN 6 HOURS (LICENSEE SAID THAT THEY WOULD BE SHUTDOWN BY 1900 EST 1/15/93). LICENSEE WILL EXIT UNUSUAL EVENT WHEN PLANT IS COOLED DOWN AND DEPRESSURIZED WHICH WILL BE SOMETIME SATURDAY AFTERNOON. LICENSEE SAID ALL THEIR ECCS & THEIR EDGs ARE FULLY OPERABLE.

LICENSEE SAID THAT THEIR RADIATION MONITORS R11 & R12 (GAS/PARTICULATE) READING INCREASED FROM A NORMAL READING OF  $6.5E-4$  uci/ml TO RADIATION MONITOR ALARM SETPOINT OF  $1.1E-3$  uci/ml FOR THE LAST SEVERAL DAYS. LICENSEE NOTICED THAT THE RADIATION MONITORS LEVEL INCREASED WHEN THE PRESSURIZER SPRAY VALVE OPENED. LICENSEE ENTERED CONTAINMENT AND DISCOVERED THE TEST CAP FITTING LEAKING (LICENSEE GOT TO ABOUT 1' OF THE TEST CAP). THIS TEST CAP WAS LAST LEAKED CHECKED IN DECEMBER 1992 WHEN THEY STARTED THE PLANT UP. LICENSEE DID NOT KNOW WHEN THE TEST CAP WAS LAST WORKED ON OR WELDED.

UNIT 3 HAD A LEAKING CAP ON THE OTHER SPRAY LINE LAST 11/25/92, SEE EVENT #24658.

LICENSEE NOTIFIED RESIDENT INSPECTOR, STATE OFFICIALS, AND LOCAL OFFICIALS.

\*\*\*\*UPDATE 1759 EST 01/15/93 BY PREVATTE TAKEN BY MACKINNON\*\*\*\*

PLANT ENTERED HOT STANDBY CONDITION AT 1755 EST. NO OTHER PROBLEMS OR INFORMATION

Power Reactor

Event # 24889

AVAILABLE. R3DO (PAUL FREDRICKSON) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*UPDATE 1832 EST 01/16/93 BY KING TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1815 EST WHEN PLANT ENTERED COLD SHUTDOWN CONDITION (Tave NOW AT 196 DEGREES F) WITH THE REACTOR COOLANT SYSTEM PRESSURE AT 315psig. LICENSEE HAS NOT GONE INTO CONTAINMENT TO CHECK THE TEST CAP SO HE COULD NOT ANSWER QUESTIONS ON SIZE OF CRACK, HOW MANY DEGREES THE CRACK GOES AROUND THE TEST CAP, WHAT MECHANISM CAUSED THE CRACK IN THE CAPS WELD, & WHEN THE TEST CAP WAS LAST WELDED/WORKED ON. LICENSEE SAID PLANT WOULD BE CRITICAL AND ON LINE BY 1700 EST 01/20/93. R2DO (PAUL FREDRICKSON), EO (ZWOLINSKI), & FEMA (CALDWELL) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\* UPDATE 1625EST 1/18/93 FROM KNORR BY S.SANDIN \*\*\*

LICENSEE INVESTIGATION DETERMINED THAT THE CRACK OCCURRED IN THE SOCKET WELD AND WAS APPROXIMATELY 1/4" IN LENGTH. THE FAILURE IS ATTRIBUTED TO STRESS CORROSION AND IMPROPER WELDING TECHNIQUE (i.e., THE CAP WAS NOT "BACKED OFF" PRIOR TO WELDING AS REQUIRED). THE WELD WAS PERFORMED IN THE 1983-1984 TIME PERIOD. THIS SECTION OF PIPE HAS BEEN REPLACED AND SATISFACTORILY TESTED. LICENSEE IS CURRENTLY HEATING UP FOR RESTART. NOTIFIED R2DO(FREDRICKSON).

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Power Reactor

Event # 24928

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: OYSTER CREEK                |           | Notification Date / Time: 01/22/1993 16:55 (EST) |   |
| Unit: 1                           | Region: 1 | State : NJ                                       | Event Date / Time: 01/22/1993 16:43 (EST) |
| Reactor Type: [1] GE-2            |           | Last Modification: 01/22/1993                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: VERMEYLEN        |           | Notifications: ESELGROTH                         | RDO                                       |
| HQ Ops Officer: GREG SCARFO       |           | BUTCHER  | EO  |
| Emergency Class: UNUSUAL EVENT    |           | MOSTELLER  | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

AT 1643 EST, AN NOUE WAS DECLARED WHEN A POTENTIALLY-CONTAMINATED, INJURED WORKER WAS TRANSPORTED TO A LOCAL HOSPITAL.

A PERSON WORKING IN A CONTAMINATED AREA FELL AND SUSTAINED INJURIES TO THE HEAD AND BACK. THE INJURIES WERE SO SEVERE THAT THE WORKER COULD NOT BE "FRISKED" BEFORE LEAVING THE CONTAMINATED AREA. AT 1643 EST, AN NOUE WAS DECLARED WHEN THE POTENTIALLY-CONTAMINATED WORKER WAS TRANSPORTED TO A LOCAL HOSPITAL. A RADIATION SURVEY OF THE WORKER WILL BE PERFORMED UPON ADMISSION TO THE HOSPITAL.

THE CRITERIA FOR TERMINATING THE NOUE IS THE DETERMINATION THAT THE WORKER IS NOT CONTAMINATED. THE NEW JERSEY STATE POLICE WAS NOTIFIED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1/22/93 1736 EST FROM:VERMEYLEN BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1730 EST WHEN IT WAS DETERMINED THAT THE WORKER WAS NOT CONTAMINATED. R1DO (ESELGROTH), NRR EO (BUTCHER), AND FEMA (MOSTELLER) NOTIFIED.

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Power Reactor

Event # 24979

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BEAVER VALLEY                 |            |           |            | Notification Date / Time: 01/30/1993 01:55 (EST) |            |   |
| Unit: 2                             |            | Region: 1 |            | State : PA                                       |            | Event Date / Time: 01/30/1993 01:26 (EST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |            |           |            | Last Modification: 01/30/1993                    |            |   |
| Containment Type: DRY SUB           |            |           |            |  |            |   |
| NRC Notified by: FRED NELSON        |            |           |            | Notifications: LAWRENCE DOERFLEIN RDO            |            |   |
| HQ Ops Officer: TIM McGINTY         |            |           |            | BRIAN GRIMES EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | SULLIVAN FEMA                                    |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| 50.72(b)(1)(iv) ECCS INJECTION      |            |           |            |  |            |   |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |           |            |  |            |   |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | A/R        | Yes       | 92         | Power Operation                                  | 0          | Hot Standby                               |

MSL ISOLATION, RX TRIP AND SAFETY INJECTION DURING THE PERFORMANCE OF A MSL SURVEILLANCE PROCEDURE.

DURING THE PERFORMANCE OF A MAIN STEAM SYSTEM MAINTENANCE SURVEILLANCE PROCEDURE, THE UNIT RECEIVED A MAIN STEAM LINE (MSL) LOW PRESSURE ACTUATION, RESULTING IN A MSL ISOLATION, REACTOR TRIP AND SAFETY INJECTION.

FOR THE PERFORMANCE OF THE SURVEILLANCE PROCEDURE, ONE MAIN STEAM LINE PRESSURE CHANNEL WAS IN "TEST", AND FOR REASONS WHICH ARE UNDER INVESTIGATION, A SECOND CHANNEL ACTUATED ON LOW PRESSURE. THE LICENSEE SPECULATED THAT EITHER A PRESSURE SPIKE OR A POWER SUPPLY FAILURE ACTUATED THE SECOND MSL LOW PRESSURE CHANNEL.

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON AN ECCS INJECTION TO THE REACTOR VESSEL, WHICH OCCURRED DUE TO THE CHARGING PUMPS (HIGH HEAD SAFETY INJECTION) SUPPLYING THE VESSEL. THE UNIT IS CURRENTLY STABLE IN HOT STANDBY, BLEEDING STEAM TO ATMOSPHERE AND FEEDING WITH THE AUXILIARY FEED PUMPS. OPERATORS ARE IN THE PROCESS OF RECOVERING THE MAIN CONDENSER AS THE HEAT SINK, WHICH WAS LOST DUE TO THE MSL ISOLATION. ALL RODS FULLY INSERTED INTO THE CORE, AND NO PRIMARY RELIEFS LIFTED AS A RESULT OF THE TRANSIENT. THE SAFETY INJECTION HAS BEEN TERMINATED AND RESET. THE UNIT HAD NO PROBLEMS WITH TRANSFERS TO OFF-SITE POWER SUPPLIES, HAS MAINTAINED FORCED CIRCULATION AND ALL SYSTEMS FUNCTIONED AS REQUIRED. BOTH EMERGENCY DIESEL GENERATORS STARTED AND DID NOT LOAD, AS EXPECTED, DURING THE EVENT. THERE WERE NO RELEASES TO ATMOSPHERE.

THE LICENSEE IS INVESTIGATING THE CAUSE OF THE EVENT AND WILL BE PURSUING THE TERMINATION CRITERIA OF THE UNUSUAL EVENT. THE LICENSEE HAS INFORMED THE STATE AND LOCAL AGENCIES REQUIRED PER THE EMERGENCY PLAN AND HAS INFORMED THE RESIDENT INSPECTOR.

Power Reactor

Event # 24979

\*\*\* UPDATE ON 01/30/93 @ 0600 EST FROM LICENSEE: NELSON BY:McGINTY\*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0545 EST. THE LICENSEE HAS RETURNED THE MAIN CONDENSER TO SERVICE AND HAS TERMINATED STEAMING TO ATMOSPHERE. THE LICENSEE WAS PERFORMING A CALIBRATION SURVEILLANCE ON A STEAM PRESSURE CHANNEL AT THE TIME OF THE EVENT. TECHNICIANS HAVE FOUND A FAILED CARD IN THE SECOND STEAM PRESSURE CHANNEL INVOLVED, HAVE REPLACED THE CARD AND ARE CALIBRATING THE CHANNEL.

THE LICENSEE TERMINATED THE UE UPON INVESTIGATING A RAD MONITOR SPIKE ON THE "C" STEAM GENERATOR. THERE WERE NO IDENTIFIABLE NOBLE GASES AND ONLY A TRACE AMOUNT OF Co-60 FOUND UPON ANALYZING SAMPLES. THE LICENSEE ALSO REPORTED AN AUTO-START OF THE STEAM DRIVEN AUX FEED PUMP, SUBSEQUENT TO HAVING SHUT IT DOWN. THE LEVEL IN ONE SG DIPPED LOW ENOUGH TO CAUSE AN AUTO START OF THE TURBINE AUX FEED PUMP WHILE MAINTAINING THE PLANT IN HOT STANDBY (LEVEL MUST DECREASE BELOW SETPOINT IN TWO STEAM GENERATORS TO CAUSE AN AUTO-START OF MOTOR DRIVEN AUX FEED PUMPS). THE LICENSEE ANTICIPATES ISSUING A PRESS RELEASE, IS UNCERTAIN OF A PROJECTED RESTART DATE AND HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO (DOERFLEIN), EO (GRIMES) AND FEMA (SULLIVAN).

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05/19/2005

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Power Reactor

Event # 25005

|                                   |  |           |  |  |  |   |
|-----------------------------------|--|-----------|--|--|--|---|
| Site: BRUNSWICK                   |  |           |  | Notification Date / Time: 02/03/1993 15:50 (EST) |  |   |
| Unit: 2                           |  | Region: 2 |  | State : NC                                       |  | Event Date / Time: 02/03/1993 15:09 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4   |  |           |  | Last Modification: 02/03/1993                    |  |   |
| Containment Type: MARK I          |  |           |  |  |  |   |
| NRC Notified by: GREENWALT        |  |           |  | Notifications: JAPE                              |  | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD    |  |           |  | CHAFFEE  |  | EO  |
| Emergency Class: UNUSUAL EVENT    |  |           |  | SIMMERS  |  | FEMA                                      |
| 10 CFR Section:                   |  |           |  |  |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

THE LICENSEE TRANSPORTED A POTENTIALLY CONTAMINATED INJURED PERSON TO THE DOSHER HOSPITAL.

AN INDIVIDUAL WAS TRANSPORTED TO A HOSPITAL AFTER RECEIVING HEAD INJURIES WHEN A BOLT FELL ON HIS HEAD. HE WAS ASSUMED TO BE CONTAMINATED AS HE WAS TRANSPORTED. THE RI WAS INFORMED.

\*\*\*UPDATE AT 16:06 TO SCARFO FROM REINSBURROW\*\*\* THE NOUE WAS TERMINATED AT 15:34 WHEN THEY DETERMINED THAT THE INDIVIDUAL WAS NOT CONTAMINATED. THE RI WAS INFORMED.

\*\*\*\*\*

Power Reactor

Event # 25013

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: SOUTH TEXAS                      |            |           |            | Notification Date / Time: 02/04/1993 10:42 (EST) |            |   |
| Unit: 1                                |            | Region: 4 |            | State : TX                                       |            | Event Date / Time: 02/04/1993 09:37 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            |           |            | Last Modification: 02/04/1993                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: J PIERCE              |            |           |            | Notifications: BLAINE MURRAY RDO                 |            |   |
| HQ Ops Officer: JOHN MacKINNON         |            |           |            | AL CHAFFEE EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT         |            |           |            | AUSTIN FEMA                                      |            |   |
| 10 CFR Section:                        |            |           |            | JORDAN AEOD                                      |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            | DICK JOLLIFFE AEOD                               |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                      | N          | Yes       | 98         | Power Operation                                  | 98         | Power Operation                           |

LICENSEE ENTERED UNUSUAL EVENT PER TECH SPEC REQUIRED SHUTDOWN WHEN 72 HOUR LCO ON THEIR TURBINE DRIVEN AUXILIARY FEEDWATER PUMP (TDAFW) EXPIRED.

TECHNICAL SPECIFICATION 3.7.1.2 SAYS RETURN TDAFW PUMP TO SERVICE WITHIN 72 HOURS OR BE IN HOT STANDBY IN THE NEXT 6 HOURS & HOT SHUTDOWN IN THE FOLLOWING 6 HOURS. AT 0937 CST THE 72 HOUR LCO ACTION STATEMENT RAN OUT AND LICENSEE COMMENCED A REACTOR PLANT SHUTDOWN AT 20%/hr.

THIS MORNING LICENSEE SUCCESSFULLY RAN THEIR TDAFW PUMP. LICENSEE SAID THAT THEY HAVE TO WAIT 6 HOURS BEFORE THEY CAN RUN THE TDAFW PUMP AGAIN WHICH WILL BE 1400 CST. IF THE TDAFW PUMP OPERATES PROPERLY AGAIN IT WILL BE DECLARED OPERABLE AND THEN LICENSEE WILL EXIT TECH SPEC 3.7.1.2. LICENSEE SAID THAT REACTOR POWER WILL BE BETWEEN 15% TO 20% BY 1400 CST WHEN THEY RUN THE TDAFW PUMP FOR A SECOND TIME. IF THE TDAFW PUMP FAILS (TRIPS ON OVERSPEED, ETC.) LICENSEE WILL SHUTDOWN PLANT BY 1537 CST (6 HOURS TO BE IN HOT STANDBY AFTER 72 HOUR RAN OUT).

LICENSEE SAID THAT ALL THEIR ECCS, EDGs, AND ALL THEIR MOTOR DRIVEN AUXILIARY FEEDWATER PUMPS ARE FULLY OPERABLE IF THEY ARE NEEDED. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THEY MAY ISSUE A PRESS RELEASE ON THIS EVENT.

LICENSEE WILL INFORM THEIR RESIDENT INSPECTOR OF THIS EVENT.

\*\*\*\* UPDATE @ 2252 EST ON 02/04/93 BY WENDLE, TAKEN BY ANDREWS \*\*\*\*

PLANT ENTERED MODE 4 AT 2132 CST ON 02/04/93 AND EXITED TECHNICAL SPECIFICATION ACTION STATEMENT 3.7.1.2. THE UNUSUAL EVENT WAS TERMINATED AT 2133 CST.

THE LICENSEE HAS NOTIFIED THE RESIDENT INSPECTOR AS WELL AS STATE AND LOCAL OFFICIALS.

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Power Reactor

Event # 25013

HOO NOTIFIED R4DO (MURRAY), EO (RICHARDSON), FEMA (WEIDNER).

\*\*\*\*\*

Power Reactor

Event # 25018

|                                    |            |         |            |  |            |                 |
|------------------------------------|------------|---------|------------|--|------------|-----------------|
| Site: PALO VERDE                   |            |         |            | Notification Date / Time: 02/04/1993 17:51 (EST) |            |                 |
| Unit: 3 Region: 5 State : AZ       |            |         |            | Event Date / Time: 02/04/1993 15:23 (MST)        |            |                 |
| Reactor Type: [1] CE,[2] CE,[3] CE |            |         |            | Last Modification: 02/04/1993                    |            |                 |
| Containment Type: DRY AMB          |            |         |            |  |            |                 |
| NRC Notified by: CHARLES PRYOR     |            |         |            | Notifications: HOWARD WONG RDO                   |            |                 |
| HQ Ops Officer: THOMAS ANDREWS     |            |         |            | JAMES RICHARDSON EO                              |            |                 |
| Emergency Class: UNUSUAL EVENT     |            |         |            | AL AUSTIN FEMA                                   |            |                 |
| 10 CFR Section:                    |            |         |            | RICHARD JOLLIFFE AEOD                            |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |         |            | KEN BROCKMAN AEOD                                |            |                 |
|                                    |            |         |            | ED JORDAN AEOD                                   |            |                 |
| Unit                               | Scram Code | RX Crit | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 3                                  | A/R        | Yes     | 100        | Power Operation                                  | 0          | Hot Standby     |

LICENSEE DECLARED AN UNUSUAL EVENT AT 1540 MST BECAUSE OF A SAFETY INJECTION ACTUATION WITH INJECTION TO THE VESSEL AS A RESULT OF LOW REACTOR COOLANT SYSTEM PRESSURE.

AT 1523 MST, THE "A" MAIN FEEDWATER PUMP SHIFTED TO MINIMUM SPEED (APPROX. 1000rpm) FOR UNKNOWN REASONS. A REACTOR POWER CUTBACK (AUTOMATIC POWER REDUCTION FROM 100% TO BELOW 70%) DID NOT OCCUR SINCE THE PUMP DID NOT TRIP. THE OTHER MAIN FEEDWATER PUMP CONTINUED TO OPERATE PROPERLY. THE REACTOR TRIPPED ON LOW STEAM GENERATOR LEVEL. ALL RODS FULLY INSERTED FOLLOWING THE TRIP. THE REACTOR COOLANT PUMPS REMAINED RUNNING. AUXILIARY FEEDWATER AUTOMATICALLY STARTED ON LOW STEAM GENERATOR LEVEL. THERE WERE NO PRIMARY CODE SAFETY VALVE OR SECONDARY PORV OR CODE SAFETY VALVE ACTUATIONS. STEAM GENERATOR WATER LEVEL DECREASED TO 14% IN STEAM GENERATOR NUMBER 1 AND 24% IN STEAM GENERATOR NUMBER 2.

THE STEAM CONTROL BYPASS VALVES OPENED TO MAINTAIN STEAM GENERATOR PRESSURE. AS DESIGNED, THESE VALVES CLOSED WHEN FILLING THE STEAM GENERATOR USING AUXILIARY FEEDWATER. AT THIS TIME, STEAM IS ONLY BEING USED TO SUPPLY THE STEAM DRIVEN AUXILIARY FEEDWATER PUMP.

DURING REFILL OF THE STEAM GENERATOR USING THE AUXILIARY FEEDWATER SYSTEM, A SAFETY INJECTION SIGNAL AND CONTAINMENT ISOLATION SIGNAL WAS INITIATED DUE TO LOW REACTOR COOLANT SYSTEM PRESSURE. THIS WAS CAUSED BY OVER COOLING OF THE REACTOR COOLANT SYSTEM BY THE STEAM GENERATORS. THE SAFETY INJECTION AND CONTAINMENT ISOLATION SETPOINT IS 1837 PSIA. TWO OF THE FOUR REACTOR COOLANT PUMPS WERE TRIPPED (ONE FOR EACH STEAM GENERATOR) WHEN PRESSURE DROPPED BELOW 1837 PSIA.

THE LICENSEE STATED THAT IT APPEARED THAT PRESSURE MOMENTARILY DROPPED BELOW THE SETPOINT AND QUICKLY RECOVERED. REACTOR COOLANT SYSTEM TEMPERATURE DROPPED TO

Power Reactor

Event # 25018

AROUND 550 DEGREES F, WHICH IS LOW FOR A NORMAL REACTOR TRIP. PRESSURIZER LEVEL WAS MAINTAINED THROUGHOUT THE EVENT. PRESSURIZER LEVEL WENT DOWN TO 14%, IS CURRENTLY AROUND 37% AND IS RECOVERING. CORE SUBCOOLING WAS MAINTAINED.

THE SAFETY INJECTION SYSTEM PUMPED WATER INTO THE REACTOR COOLANT SYSTEM FOR ABOUT 10 TO 15 MINUTES. THE SHUTOFF HEAD FOR A HIGH HEAD SAFETY INJECTION PUMP IS APPROX. 1850psi. THE LICENSEE DID NOT HAVE AN ESTIMATE OF THE VOLUME OF WATER INJECTED.

OFF SITE POWER IS AVAILABLE AND THE DIESEL GENERATORS ARE RUNNING. THE DIESEL GENERATORS AUTOMATICALLY STARTED ON THE SAFETY INJECTION SIGNAL. ALL SUPPORT SYSTEMS ARE OPERABLE AND AVAILABLE IF NEEDED.

REACTOR COOLANT LETDOWN WAS AUTOMATICALLY SECURED ON THE CONTAINMENT ISOLATION SIGNAL. THE LICENSEE SAID THAT THEY WOULD CONSIDER TERMINATING THE UNUSUAL EVENT WHEN LETDOWN WAS RESTORED.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.

\*\*\*\* UPDATE @ 1906 EST ON 02/04/93 BY SWAN TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT SINCE THE PLANT IS IN A NORMAL, MODE 3 RESPONSE. THE SAFETY INJECTION SIGNAL HAS NOT BEEN RESET, BUT HAS BEEN OVERRIDDEN. THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED OF THE TERMINATION.

HOO NOTIFIED R5DO (MORRILL), EO (RICHARDSON), FEMA (SIMMONS), AEOD (JORDAN, BROCKMAN, JOLLIFFE).

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Power Reactor

Event # 25023

|  |           |  |   |
|--|-----------|--|---|
| Site: SEQUOYAH                         |           | Notification Date / Time: 02/05/1993 07:08 (EST) |   |
| Unit: 1                                | Region: 2 | State : TN                                       | Event Date / Time: 02/05/1993 06:39 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 02/05/1993                    |   |
| Containment Type: ICE COND             |           |  |   |
| NRC Notified by: ARMSTRONG             |           | Notifications: FRANK JAPE RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON         |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 1          | Startup         | 0          | Hot Standby     |

PLANT TECH SPEC REQUIRED SHUTDOWN DUE TO ROD URGENT FAILURE ALARM & XENON BUILDUP REDUCING REACTOR POWER.

DURING A CONTROLLED REACTOR PLANT SHUTDOWN LICENSEE RECEIVED AN ROD URGENT FAILURE ALARM (MULTIPLEXER PROBLEM ASSOCIATED WITH CONTROL ROD BANK "C") AT 0507 EST. REACTOR POWER WAS AT APPROX. 0.5% WITH CONTROL ROD BANK "D" AT 11.5 STEPS OUT OF THE CORE, CONTROL ROD BANK "A" FULL OUT, CONTROL ROD BANK "B" FULL OUT AND CONTROL ROD BANK "C" BETWEEN FULL OUT AND 11.5 STEPS OUT OF THE CORE.

REACTOR POWER BEGAN TO DECREASE DUE TO XENON BUILD UP IN THE CORE. LICENSEE ENTERED TECH SPEC 3.1.3.1 (WITH MORE THAN ONE ROD INOPERABLE, BE IN HOT STANDBY WITHIN 6 HOURS, ETC.) AND MANUALLY TRIPPED THE REACTOR TO PLACE IT IN A STABLE SHUTDOWN CONDITION AT 0616 EST.

ALL CONTROL RODS FULLY INSERTED INTO THE CORE. ONE SHUTDOWN BANK "D" INDIVIDUAL ROD POSITION INDICATION INDICATED THAT ONE SHUTDOWN BANK "D" ROD WAS NOT FULLY INSERTED BUT ITS ROD BOTTOM LIGHT WAS ON; SO LICENSEE CONSIDERED THE ROD FULLY INSERTED. AUXILIARY FEEDWATER PUMPS WERE MANUALLY STARTED BY PROCEDURE AT 4% REACTOR POWER WHEN SHUTTING DOWN WITH ONE MAIN FEEDWATER PUMP STILL IN SERVICE. LICENSEE WAS SHUTTING DOWN THE PLANT TO REPAIR/INSPECT THEIR TARGET "T" FLANGE WHICH IS LOCATED NEXT TO A VENT NEAR ONE OF THEIR MS/Rs. TARGET "T" FLANGE IS DESIGNED TO PREVENT EROSION. ALL THEIR ECCS, EDGs ARE FULLY OPERABLE IF NEEDED. LICENSEE ENTERED AND EXITED UNUSUAL EVENT AT 0639 EST AFTER REVIEWING REQUIREMENTS FOR A TECH SPEC REQUIRED SHUTDOWN.

RESIDENT INSPECTOR, STATE, LOCAL OFFICIALS WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 25029

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 02/06/1993 00:56 (EST) |   |
| Unit: 1                             | Region: 5 | State : CA                                       | Event Date / Time: 02/05/1993 21:06 (PST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 02/06/1993                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: GOELZER            |           | Notifications: FRANK WENSLAWSKI RDO              |   |
| HQ Ops Officer: DICK JOLLIFFE       |           | JAMES RICHARDSON EO                              |   |
| Emergency Class: UNUSUAL EVENT      |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 46         | Power Operation |

**- ELECTRICAL FIRE IN 12 KV CABLE SPREADING ROOM LASTING LESS THAN 10 MIN -**

AN ELECTRICAL FIRE OCCURRED IN THE UNIT 1 12 KV CABLE SPREADING ROOM DUE TO AN ELECTRICAL GROUND IN 1 OF 2 CIRC WATER PUMP MOTORS (#11). LICENSEE REDUCED POWER TO 46% TO REMOVE #11 CIRC WATER PUMP FROM SERVICE. (CIRC WATER PUMP IS NOT A TECH SPEC ITEM).

LICENSEE CALLED THE CALIFORNIA DEPARTMENT OF FORESTRY TO ASSIST IN FIGHTING THE FIRE. THE FIRE LASTED LESS THAN 10 MINUTES AND IS PRESENTLY OUT. SMOKE HAS BEEN CLEARED FROM THE ROOM. THERE WERE NO PERSONNEL INJURIES.

LICENSEE IS MAKING AN ENTRY INTO THE ROOM TO DETERMINE THE CAUSE AND EXTENT OF DAMAGE.

DURING THE POWER REDUCTION, THE DIGITAL ROD POSITION INDICATIONS DID NOT FOLLOW THE CONTROL ROD INDICATORS AS CONTROL RODS WERE INSERTED INTO THE CORE. LICENSEE DECLARED CONTROL BANK 'D' (9 CONTROL RODS) INOPERABLE.

TECH SPEC 3.1.3.1 REQUIRES LICENSEE TO RESTORE CONTROL BANK 'D' TO OPERABLE STATUS WITHIN 72 HOURS OR TO PLACE UNIT 1 IN AT LEAST HOT SHUTDOWN MODE WITHIN THE FOLLOWING 6 HOURS. I & C TECHNICIANS ARE INVESTIGATING THE CAUSE AND DETERMINING CORRECTIVE ACTIONS.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR AND WILL ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 0216 BY GOELZER ENTERED BY HOO JOLLIFFE \*\*\*

Power Reactor

Event # 25029

AT 2232 (PST) ON 02/05/93, LICENSEE TERMINATED THE UNUSUAL EVENT.

LICENSEE DETERMINED THAT THE ELECTRICAL GROUND IN #11 CIRC WATER PUMP MOTOR CAUSED THE LOAD BANK IN THE 12 KV CABLE SPREADING ROOM TO OVERHEAT BURNING PAINT, DIRT, AND DUST IN THE ROOM. THERE WAS NO ACTUAL FLAME; ONLY SMOKE IN THE ROOM CAUSED THE FIRE ALARM. NO EQUIPMENT IN THE ROOM WAS DAMAGED.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. HOO NOTIFIED R5DO WENSLAWSKI, NRR EO RICHARDSON, FEMA STINEDURF.

\*\*\*\*\*

Power Reactor

Event # 25030

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HARRIS                      |           | Notification Date / Time: 02/06/1993 08:48 (EST) |   |
| Unit: 1                           | Region: 2 | State : NC                                       | Event Date / Time: 02/06/1993 08:13 (EST) |
| Reactor Type: [1] W-3-LP          |           | Last Modification: 02/06/1993                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: COLLINS          |           | Notifications: FRANCIS JAPE RDO                  |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | JAMES RICHARDSON EO                              |   |
| Emergency Class: UNUSUAL EVENT    |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UE DECLARED DUE TO LOSS OF PLANT COMPUTER FOR LONGER THAN 4 HOURS -

AT 0411, THE EMERGENCY RESPONSE FACILITY INFORMATION SYSTEM (ERFIS) PLANT COMPUTER FAILED.

AT 0813, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE INABILITY OF THE ERFIS TO PERFORM ITS INTENDED FUNCTION FOR A CONTINUOUS PERIOD OF 4 HOURS.

LICENSEE IS MONITORING ALL IMPORTANT PLANT PARAMETERS BY ALTERNATE MEANS.

LICENSEE IS INVESTIGATING THE CAUSE AND IS ATTEMPTING TO RESTORE THE ERFIS TO OPERABLE STATUS.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\*\* UPDATE AT 1245 EST ON 02/06/93 BY COLLINS TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 1230 EST WHEN THE PLANT COMPUTER WAS RETURNED TO SERVICE. THE PROBLEM WAS IDENTIFIED AS A BAD SWITCH WHICH CONNECTS THE PLANT COMPUTER TO THE EMERGENCY OPERATIONS FACILITY. THE SWITCH HAS BEEN REPLACED AND THE COMPUTER IS NOW OPERABLE.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED.

HOO NOTIFIED R2DO (JAPE), EO (RICHARDSON), FEMA (WRIGHT).

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Power Reactor

Event # 25056

|                                |                      |  |  |
|--------------------------------|----------------------|--|--|
| Site: WASHINGTON NUCLEAR       |                      | Notification Date / Time: 02/10/1993 21:21 (EST) |  |
| Unit: 2                        | Region: 5 State : WA | Event Date / Time: 02/10/1993 17:50 (PST)        |  |
| Reactor Type: [2] GE-5         |                      | Last Modification: 02/10/1993                    |  |
| Containment Type: MARK II      |                      |  |  |
| NRC Notified by: BENTRUP       |                      | Notifications: GREGG YUHAS RDO                   |  |
| HQ Ops Officer: GREG SCARFO    |                      | JACK ROE - EO                                    |  |
| Emergency Class: UNUSUAL EVENT |                      | CALDWELL FEMA                                    |  |
| 10 CFR Section:                |                      | JORDAN AEOD                                      |  |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   | RICHARDS RV                                      |  |
| 50.72(b)(2)(ii)                | RPS ACTUATION        | BROCKMAN IRB                                     |  |
| 50.72(b)(2)(ii)                | ESF ACTUATION        |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | A/R        | Yes     | 90         | Power Operation | 0          | Hot Shutdown    |

AT 1750 PST, AN NOUE WAS DECLARED WHEN A STEAM LEAK FROM A REACTOR FEED PUMP (RFP) RESULTED IN A LOSS OF THE RFP AND A REACTOR SCRAM ON LOW REACTOR VESSEL WATER LEVEL.

AT 1727 PST, A REACTOR SCRAM OCCURRED WHEN REACTOR VESSEL WATER LEVEL DECREASED BELOW THE LOW WATER LEVEL SETPOINT OF +13 INCHES ON THE LOSS OF RFP "B". ALL RODS FULLY INSERTED ON THE SCRAM. MINIMUM REACTOR WATER LEVEL WAS -10 INCHES. REACTOR VESSEL PRESSURE REMAINED WITHIN NORMAL BANDS. A TURBINE RUNBACK DID NOT OCCUR ON THE LOSS OF THE RFP AS WOULD NORMALLY BE EXPECTED. THE REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM WAS MANUALLY ACTUATED TO RECOVER VESSEL LEVEL. NO ENGINEERED SAFETY FEATURES (ESF) OR EMERGENCY CORE COOLING SYSTEM (ECCS) ACTUATIONS OCCURRED.

AT 1750 PST, AN NOUE WAS DECLARED WHEN A STEAM LEAK WAS FOUND IN THE RFP ROOM DURING AN INVESTIGATION OF A FIRE PROTECTION ALARM. NO ESTIMATES OF THE MAGNITUDE OF THE STEAM LEAK WERE AVAILABLE. OPERATORS MANUALLY CLOSED THE MAIN STEAM ISOLATION VALVES (MSIVs) TO ISOLATE THE STEAM LEAK AND UTILIZED SAFETY/RELIEF VALVES (SRVs) TO DISSIPATE DECAY HEAT TO THE SUPPRESSION POOL. SUPPRESSION POOL TEMPERATURE IS 90 DEGREES F. SRVs WERE ALSO USED TO DEPRESSURIZE THE REACTOR PRESSURE VESSEL (RPV) TO ALLOW FOR CONDENSATE BOOSTER PUMP FEEDING AS A BACKUP TO RCIC. THE SOURCE OF THE STEAM LEAK IS BELIEVED TO BE EITHER THE RFP SEALS, THE RFP TURBINE STEAM LINE, OR AN OPEN RFP DISCHARGE RELIEF VALVE.

CURRENTLY, THE UNIT IS STABLE IN HOT SHUTDOWN WITH REACTOR TEMPERATURE AT 470 DEGREES AND REACTOR PRESSURE AT 500 PSIG. RCIC IS FEEDING THE VESSEL AND SRVs ARE DISSIPATING DECAY HEAT TO THE SUPPRESSION POOL. OFFSITE POWER IS SUPPLYING THE EMERGENCY BUSES AND EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE. ALL OTHER SAFETY EQUIPMENT IS OPERABLE. THE NOUE WILL BE EXITED WHEN THE SOURCE OF THE STEAM LEAK IS ESTABLISHED AND CONFIRMED TO BE ISOLATED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE OF WASHINGTON, BENTON COUNTY, AND THE DEPARTMENT OF

Power Reactor

Event # 25056

ENERGY (HANFORD RESERVATION) NOTIFIED.

\*\*\* UPDATE 2/10/93 2256 EST FROM:REIS BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1905 PST WHEN AN INSPECTION OF THE RFP CONFIRMED THAT THE STEAM LEAK WAS ISOLATED. ALL OTHER LEAKAGE HAS BEEN IDENTIFIED. THE SOURCES OF THE STEAM LEAK ARE BELIEVED TO BE A 3/4" RFP DISCHARGE RELIEF VALVE (WHICH MAY HAVE LIFTED ON A BACKSURGE WHEN THE RFP STOPPED FEEDING THE RPV) AND A SEAL LEAKOFF LINE. THE LICENSEE BELIEVES THAT THE RFP SPEED CONTROL CIRCUITRY FAILED CAUSING FEEDWATER FLOW DEMAND TO DECREASE TO ZERO AND RESULTING IN THE LOW RPV WATER LEVEL. NO TURBINE RUNBACK OCCURRED BECAUSE THE RFP DID NOT TRIP.

ALSO, THE HIGH PRESSURE CORE SPRAY (HPCS) SYSTEM SUCTION TRANSFERRED FROM THE CONDENSATE STORAGE TANK TO THE SUPPRESSION POOL ON HIGH SUPPRESSION POOL LEVEL. THIS CONSTITUTES AN ENGINEERED SAFETY FEATURES (ESF) ACTUATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R5DO(YUHAS), EO(ROE), FEMA(DAMICO) NOTIFIED. THE LICENSEE WILL HAVE A PRESS RELEASE.

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Power Reactor

Event # 25076

|  |           |  |   |
|--|-----------|--|---|
| Site: LASALLE                          |           | Notification Date / Time: 02/13/1993 21:17 (EST) |   |
| Unit: 1                                | Region: 3 | State : IL                                       | Event Date / Time: 02/13/1993 20:00 (CST) |
| Reactor Type: [1] GE-5,[2] GE-5        |           | Last Modification: 02/14/1993                    |   |
| Containment Type: MARK II              |           |  |   |
| NRC Notified by: PETERS                |           | Notifications: NICK JACKIW                       | RDO                                       |
| HQ Ops Officer: TIM McGINTY            |           | JACK ROE   | EO  |
| Emergency Class: UNUSUAL EVENT         |           | BAGWELL  | FEMA                                      |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 80         | Power Operation | 80         | Power Operation |

UE DECLARED FOR A TS REQUIRED SHUTDOWN.

LASALLE UNIT DECLARED AN UNUSUAL EVENT UPON COMMENCING A POWER REDUCTION FOR A TECH SPEC REQUIRED SHUTDOWN. ON 02/10/93, RCIC WAS DECLARED INOPERABLE WHEN THE CIRCUIT BREAKER FOR THE INBOARD STEAM SUPPLY ISOLATION VALVE TRIPPED WHILE OPENING THE VALVE FOLLOWING A SURVEILLANCE TEST (SEE EVENT #25054). RCIC REMAINS INOPERABLE PER TECH SPEC 3.7.3, WHICH CARRIES A 14 DAY LCO DUE TO EXPIRE AT 0741 CST ON 02/24/93. THE EMERGENCY PLAN STIPULATES DECLARING AN UNUSUAL EVENT UPON COMMENCING A SHUTDOWN REQUIRED BY TECH SPECS. THE UNIT IS BEING SHUTDOWN TO COLD CONDITIONS PER NORMAL PROCEDURES, AND THE UNUSUAL EVENT WILL BE TERMINATED UPON REACHING 150 PSIG (APPROXIMATELY 24 HOURS).

UNIT 1 HAS ALL OF THE ECCSs OPERATIONAL AND AVAILABLE (HPCS, LPCS, LPCI), AND THE EDGs AND ADS ARE ALSO OPERABLE. THE INBOARD RCIC STEAM ISOLATION VALVES CIRCUIT BREAKER TRIPPED UPON RESTORATION FROM THE RCIC HIGH STEAM FLOW ISOLATION SURVEILLANCE TEST. THE OUTBOARD RCIC STEAM ISOLATION VALVE HAS BEEN SHUT AND DE-ACTIVATED. THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND THE STATE.

\*\*\* UPDATE AT 0445 EST 2/14/93 FROM SPIELER TAKEN BY KARSCH \*\*\*

THE LICENSEE TRIPPED THE TURBINE AT 0345 CST DURING POWER DESCENT WHEN THEY REACHED 15% DUE TO TURBINE VIBRATION. PRIMARY SIDE ENERGY IS BEING DISSIPATED VIA BYPASS VALVES TO THE MAIN CONDENSER. REACTOR POWER IS CURRENTLY 6%. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE STATE OF ILLINOIS. R3DO (JACKIW) NOTIFIED VIA FAX.

\*\*\*\*UPDATE @ 1921 EST ON 02/14/93 FROM LICENSEE:PETERS BY:McGINTY\*\*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT @ 1800 CST BASED ON THE RCIC SYSTEM NOT REQUIRED TO BE OPERATIONAL IN CONDITION 3 @ LESS THAN 150 PSIG. THE LICENSEE IS MAKING PREPARATIONS TO ENTER CONTAINMENT TO COMMENCE REPAIRS TO THE INBOARD RCIC STEAM

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

Page 2

Power Reactor

Event # 25076

SUPPLY ISOLATION VALVE. THE ANTICIPATED RESTART DATE IS 02/20/93. THE LICENSEE INFORMED THE STATE AND WILL NOTIFY THE RESIDENT INSPECTOR. HOO NOTIFIED THE R3DO (JACKIW), EO (ROE) AND FEMA (SULLIVAN).

\*\*\*\*\*

Power Reactor

Event # 25078

| Site: PALO VERDE                          |            |         |            | Notification Date / Time: 02/15/1993 07:30 (EST) |            |                 |
|---|------------|---------|------------|--|------------|-----------------|
| Unit: 1 2 3 Region: 5 State : AZ          |            |         |            | Event Date / Time: 02/15/1993 04:37 (MST)        |            |                 |
| Reactor Type: [1] CE,[2] CE,[3] CE        |            |         |            | Last Modification: 02/15/1993                    |            |                 |
| Containment Type: DRY AMB DRY AMB DRY AMB |            |         |            |  |            |                 |
| NRC Notified by: SARAGRACE KNAUF          |            |         |            | Notifications: PHIL MORRILL RDO                  |            |                 |
| HQ Ops Officer: RUDY KARSCH               |            |         |            | JACK ROE EO                                      |            |                 |
| Emergency Class: UNUSUAL EVENT            |            |         |            | BELCHER FEMA                                     |            |                 |
| 10 CFR Section:                           |            |         |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED         |            |         |            |  |            |                 |
| 50.72(b)(1)(v) OTHER ASMT/COMM INOP       |            |         |            |  |            |                 |
| Unit                                      | Scram Code | RX Crit | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1   | N          | Yes     | 100        | Power Operation                                  | 100        | Power Operation |
| 2   | N          | Yes     | 100        | Power Operation                                  | 100        | Power Operation |
| 3   | N          | Yes     | 100        | Power Operation                                  | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0447 MST WHEN THEY DETERMINED THAT THEY LOST ASSESSMENT CAPABILITY FOR ALL METEOROLOGICAL EQUIPMENT.

AT 0437 MST THE LICENSEE FOUND THAT THEY COULD NOT GET EITHER REMOTE/ AUTOMATIC OR LOCAL/MANUAL READINGS BECAUSE POWER TO THE MET TOWER WAS LOST. THEY EXITED THE UNUSUAL EVENT AT 0505 MST WHEN POWER WAS RESTORED. THE LICENSEE SUSPECTS A THUNDER STORM MAY HAVE CAUSED THE POWER LOSS. THIS EVENT DOES NOT CAUSE ACTUATION OF ANY SAFETY EQUIPMENT. THE LICENSEE HAS NOTIFIED STATE AND LOCAL AUTHORITIES, WILL INFORM THE NRC RESIDENT INSPECTOR, AND WILL ISSUE A PRESS RELEASE.

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Power Reactor

Event # 25154

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: LASALLE                          |            | Notification Date / Time: 02/27/1993 21:23 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 3  | State : IL                                       | Event Date / Time: 02/27/1993 20:00 (CST) |                 |            |                 |
| Reactor Type: [1] GE-5,[2] GE-5        |            | Last Modification: 03/01/1993                    |   |                 |            |                 |
| Containment Type: MARK II              |            |  |   |                 |            |                 |
| NRC Notified by: KEVIN DORWICK         |            | Notifications: FRANK JABLONSKI RDO               |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH            |            | WILLIAM TRAVERS EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 98  | Power Operation | 94         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO FORCED REACTOR SHUTDOWN.

REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM IS INOPERABLE PER TECH SPEC 3.7.3 AND A REACTOR SHUTDOWN TO ALLOW REPAIR WAS STARTED AT 2000 CST. THE SHUTDOWN IS PROCEEDING AT 120 MEGAWATTS PER HOUR. ROD INSERTION WILL COMMENCE AT APPROXIMATELY 600 MEGAWATTS. THE UNUSUAL EVENT WILL TERMINATE WHEN THE UNIT REACHES COLD SHUTDOWN. THE LICENSEE INFORMED THE STATE OF ILLINOIS AND THE NRC RESIDENT INSPECTOR.

HOO NOTE: SEE EVENT 25146.

\*\*\*\* UPDATE AT 1816 EST ON 03/01/93 BY TERMINI TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 1700 CST WHEN REACTOR PRESSURE WAS REDUCED BELOW 150 PSIG. THE REACTOR CORE ISOLATION COOLING SYSTEM IS REQUIRED TO BE OPERABLE WHEN IN MODES 1, 2, OR 3 WITH REACTOR PRESSURE GREATER THAN 150 PSIG.

THE LICENSEE ESTIMATES THAT IT WILL REQUIRE ABOUT 8 HOURS TO ACHIEVE COLD SHUTDOWN CONDITIONS. THEY PLAN ON REMAINING IN COLD SHUTDOWN UNTIL THE PROBLEM WITH THE REACTOR CORE ISOLATION COOLING SYSTEM IS REPAIRED. THE ANTICIPATED RESTART DATE IS MARCH 6, 1993.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS.

HOO NOTIFIED R3DO (MCCANN), EO (TRAVERS), FEMA (MUSE).

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Power Reactor

Event # 25168

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PEACH BOTTOM                |           | Notification Date / Time: 03/02/1993 18:54 (EST) |   |
| Unit: 2                           | Region: 1 | State : PA                                       | Event Date / Time: 03/02/1993 18:40 (EST) |
| Reactor Type: [2] GE-4,[3] GE-4   |           | Last Modification: 03/02/1993                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: DAVID LEWIS      |           | Notifications: WILLIAM RULAND RDO                |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | ROY ZIMMERMAN EO                                 |   |
| Emergency Class: UNUSUAL EVENT    |           | AL AUSTIN FEMA                                   |   |
| 10 CFR Section:                   |           | JOE GIITTER AEOD                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(iv) ECCS INJECTION    |           |  |   |
| 50.72(b)(2)(ii) RPS ACTUATION     |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | A/R        | Yes     | 67         | Power Operation | 0          | Hot Shutdown    |

-UE DECLARED; Rx SCRAM DUE TO LO Rx VESSEL WATER LEVEL; HPCI/RCIC ACTUATED-

AT 1055, WITH CONDENSATE PUMPS 'A', 'B', & 'C' OPERATING, LICENSEE WAS PERFORMING MAINTENANCE ACTIVITIES WHEN CONDENSATE PUMP 'A' AUTOMATICALLY TRIPPED CAUSING UNIT 2 TO RUNBACK FROM 100% TO 67% POWER.

AT 1837, WITH CONDENSATE PUMPS 'B' & 'C' OPERATING, CONDENSATE PUMP 'C' TRIPPED FOR UNKNOWN REASONS. Rx VESSEL WATER LEVEL DROPPED FROM A NORMAL LEVEL OF +23 INCHES TO +10 INCHES. 2 OF 2 OPERATING REACTOR MAIN FEEDWATER PUMPS ('A' & 'C') TRIPPED ON OVERSPEED FOR UNKNOWN REASONS. Rx VESSEL WATER LEVEL DROPPED TO THE LOW LEVEL SCRAM SETPOINT OF 0 INCHES WHICH CAUSED THE Rx TO AUTO SCRAM FROM 67% POWER AND PCIS GROUP 2 (RWCU SYSTEM) AND GROUP 3 (CONTAINMENT VENTILATION SYSTEM) TO ISOLATE. ALL CONTROL RODS INSERTED COMPLETELY. STEAM IS BEING DUMPED TO THE MAIN CONDENSER.

Rx VESSEL WATER LEVEL CONTINUED TO DROP TO THE LOW LOW LEVEL SETPOINT OF -48 INCHES WHICH AUTO INITIATED THE HPCI & RCIC SYSTEMS AND AUTO INITIATED THE ALTERNATE CONTROL ROD INSERTION SYSTEM WHICH VENTS THE SCRAM DISCHARGE AIR HEADER AND AUTO TRIPS THE 2 OPERATING RECIRC PUMPS. (LOW LOW LOW Rx VESSEL WATER LEVEL SETPOINT IS -160 INCHES; TOP OF ACTIVE FUEL IS -172 INCHES).

AT 1840, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN ECC SYSTEM (HPCI SYSTEM) ACTUATING ON A VALID SIGNAL.

HPCI AND RCIC SYSTEMS RESTORED Rx VESSEL WATER LEVEL TO NORMAL LEVEL. CONTROL ROOM OPERATORS RESET THE OVERSPEED TRIP ON THE 'C' Rx MFW PUMP AND RESTARTED THE PUMP TO MAINTAIN Rx VESSEL WATER LEVEL AT THE NORMAL LEVEL. CONTROL ROOM OPERATORS MANUALLY STOPPED THE HPCI AND RCIC PUMPS AND RESET THE PCIS GROUPS 2 & 3 ISOLATIONS TO NORMAL.

Power Reactor

Event # 25168

UNIT 2 IS STABLE IN CONDITION 3 (HOT SHUTDOWN).

AT 1908, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO STABLE SHUTDOWN  
PLANT CONDITIONS.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE DECLARATION AND TERMINATION OF THE  
UNUSUAL EVENT AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

LICENSEE IS INVESTIGATING THE CAUSES OF THE TRIPS OF THE 'C' CONDENSATE PUMP AND THE 'A'  
& 'C' Rx MFW PUMPS.

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Power Reactor

Event # 25241

|                                      |            |  |   |                 |            |                 |
|--------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: CRYSTAL RIVER                  |            | Notification Date / Time: 03/13/1993 06:45 (EST) |   |                 |            |                 |
| Unit: 3                              | Region: 2  | State : FL                                       | Event Date / Time: 03/13/1993 06:26 (EST) |                 |            |                 |
| Reactor Type: [3] B&W-L-LP           |            | Last Modification: 03/13/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB            |            |  |   |                 |            |                 |
| NRC Notified by: FIELDS              |            | Notifications: WILLIAM LITTLE                    | RDO                                       |                 |            |                 |
| HQ Ops Officer: TIM McGINTY          |            | THADANI  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT       |            | MUSE   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                      |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |  |   |                 |            |                 |
| 50.72(b)(1)(iii) FLOOD/LOW WATER LVL |            |  |   |                 |            |                 |
| Unit                                 | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                    | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

CRYSTAL RIVER 3 DECLARED AN UNUSUAL EVENT AT 0626 EST DUE TO FLOODING FROM EXTRA HIGH TIDES.

INTAKE WATER LEVEL IS GREATER THAN 98 FEET PLANT DATUM, WITH THE BASEMENT ELEVATION AT 95 FEET. THE LICENSEE HAS NOTIFIED THE RESIDENT, THE STATE, AND LOCAL AGENCIES.

THERE IS APPROXIMATELY 6 INCHES OF WATER IN THE BASEMENT OF THE TURBINE BUILDING. AT THIS TIME, THERE IS NO WATER IN THE BASEMENT OF THE AUX BUILDING, AND THE LICENSEE IS PUTTING UP SAND BAGS SURROUNDING SAFEGUARDS EQUIPMENT IN THE AUX BUILDING. THE LICENSEE IS PUMPING, TO THE MAXIMUM EXTENT POSSIBLE, THE WATER OUT OF THE TURBINE BUILDING. THE EXPECTED HIGH TIDE IS TO OCCUR WITHIN THE NEXT COUPLE OF HOURS, AND THE LICENSEE EXPECTS THE SITUATION TO IMPROVE AT THAT TIME. THERE HAVE BEEN NUMEROUS LIGHTNING STRIKES IN THE AREA AND VERY HIGH SUSTAINED WINDS, HOWEVER, THE UNIT HAS NOT EXPERIENCED ANY PROBLEMS WITH OFF-SITE POWER AT THIS TIME.

\*\*\*UPDATE ON 03/13/93 @ 1045 FROM LICENSEE: McCLOUD BY: McGINTY\*\*\*

THE WINDS HAVE BEEN MAINTAINING STEADY AT ABOUT 40 MPH. TWO SOURCES OF OFF-SITE POWER ARE AVAILABLE AT THIS TIME. ANOTHER HIGH TIDE IS ANTICIPATED AT 1600 TODAY.

THE "B" EDG IS OUT OF SERVICE. DUE TO AN UNSTABLE GRID, OPERATORS MANUALLY STARTED THE "A" EDG, AND IT IS SUPPLYING THE 4160V ESF BUS. THE UNIT HAS LOST THE "STARTUP" TRANSFORMER (XFMR) FOR UNKNOWN REASONS. THE AUX XFMR (MAIN GENERATOR) IS BEING BACK-FED FROM THE 500 KV LINE, HOWEVER, ONE OF ITS TWO FEEDER BREAKERS HAS ALSO TRIPPED OPEN (AT THE SAME TIME THE "STARTUP" XFMR WAS LOST) FOR UNKNOWN REASONS. THE "OFF-SITE" XFMR, FED FROM THE 230 KV SWITCHYARD, IS ALSO AVAILABLE.

THE FLOODING RATE INTO THE TURBINE BUILDING HAS BEEN LOWERED TO ABOUT 20 GPM, AND IS RECEDING. THE MAIN CONDENSER IS OPEN (FOR INSTALLATION OF TITANIUM TUBES) AND BEING

Power Reactor

Event # 25241

FILLED TO OVERFLOW BY THE RISING WATER LEVEL IN THE CIRC WATER SYSTEM. THE LICENSEE HAS LOWERED THE SPILL RATE OUT OF THE CONDENSER USING PLYWOOD COVERS TO CONTAIN IT, AND HAS BEEN ABLE TO PUMP DOWN THE BASEMENT OF THE TURBINE BUILDING.

THE "A" DECAY HEAT SYSTEM IS OPERATING, WITH THE "B" DECAY HEAT SYSTEM DOWN AS PART OF THE MAINTENANCE OUTAGE ON "B" TRAIN 4160V AND 480V BUSES. THE "B" DECAY HEAT SYSTEM IS NOT AVAILABLE FOR RETURN TO SERVICE IN A REASONABLE PERIOD OF TIME (DUE TO MAINTENANCE) IF THE "A" DECAY HEAT TRAIN IS LOST. THE "B" OTSG AND AUXILIARY FEED TO IT IS AVAILABLE WITH A FOSSIL UNIT AVAILABLE AS A SOURCE OF DRIVING STEAM FOR THE TD AFW PUMP. THE LICENSEE IS ALSO RESTORING A MOTOR DRIVEN AUX FEED PUMP TO SERVICE. THE LICENSEE INFORMED THE RESIDENT INSPECTOR.

A CONFERENCE CALL WITH R2DO (LITTLE), R2 (MERSCHOFF, SINKULE, LANDIS), EO (THADANI), NRR ET (MIRAGLIA) AND AEOD (GIITTER) TOOK PLACE AT 1100 EST REGARDING THE UPDATE.

\*\*\* UPDATE FROM HEBB AT 1903 EST TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 1900 EST. TIDES HAVE RETURNED BELOW THE THRESHOLD FOR EMERGENCY ACTION. TURBINE BUILDING FLOODING IS UNDER CONTROL. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R2DO (LITTLE), FEMA (BELCHER) AND EO (THADANI) NOTIFIED.

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Power Reactor

Event # 25242

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SEABROOK                    |            | Notification Date / Time: 03/13/1993 09:40 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : NH                                       | Event Date / Time: 03/13/1993 09:11 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP          |            | Last Modification: 03/13/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: MORRISSEY        |            | Notifications: DONALD HAVERKAMP RDO              |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY       |            | ASHOK THADANI EO                                 |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(1)(iii) HURRICANE        |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON EXPECTED HIGH WINDS AND INTENSE SNOWFALL TODAY AND INTO THE EVENING. WINDS ARE PREDICTED TO BE HURRICANE FORCE WITH COASTAL FLOODING. THE EMERGENCY PLAN HAS PREDICTED HURRICANE FORCE WINDS AS A CRITERIA FOR DECLARING A UE. ALL EDGs AND ECCSs ARE AVAILABLE AND OPERATIONAL, AS ARE ALL OFF-SITE POWER SUPPLIES. THE WINDS ARE ESTIMATED TO BE FOUR HOURS AWAY. THE LICENSEE WILL BE EVALUATING THE POSSIBLE DESIRABILITY OF A POWER REDUCTION RELATIVE TO THE UPCOMING STORM. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR, THE STATE AND EXPECTS TO ISSUE A PRESS RELEASE.

\*\*\* UPDATE FROM KILBT TAKEN BY SEBROSKY 3/14/93 @ 1325 \*\*\*

THE LICENSEE EXITED THE UNUSUAL EVENT AT 13:15. THE LICENSEE EXPECTS TO ISSUE A PRESS RELEASE. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO (HAVERKAMP), EO (THADANI), AND FEMA (CARR)

\*\*\*\*\*

Power Reactor

Event # 25244

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 03/13/1993 15:08 (EST) |   |
| Unit: 1 2                         | Region: 2 | State : NC                                       | Event Date / Time: 03/13/1993 14:35 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 03/13/1993                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: DON BAIN         |           | Notifications: WILLIAM LITTLE RDO                |   |
| HQ Ops Officer: RUDY KARSCH       |           | ASHOK THADANI EO                                 |   |
| Emergency Class: UNUSUAL EVENT    |           | BELCHER FEMA                                     |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED AT THE DISCRETION OF THE SHIFT SUPERVISOR DUE TO ADVERSE WEATHER.

TWO OF FOUR UNIT 1 OFF SITE POWER LINES AND ONE OF FOUR LINES FOR UNIT 2 HAVE BEEN KNOCKED OUT BY ONGOING SEVERE WEATHER. THE UNUSUAL EVENT WAS DECLARED TO ALLOW THE LICENSEE TO STAFF THEIR TECHNICAL SUPPORT CENTER IN CASE CONDITIONS WORSEN. ALL EMERGENCY DIESEL GENERATORS ARE OPERABLE. THE CONTROL ROOM HAS OBSERVED SEVERAL VOLTAGE DIPS ON THE 230 kV LINE, BUT OVERALL GRID STABILITY SEEMS GOOD. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1821 EST FROM SCHALL TAKEN BY KARSCH \*\*\*

NUMEROUS ESF ACTUATIONS AT BOTH UNITS OCCURRED WHEN THE OFF SITE FEEDERS WERE LOST:

UNIT 1: LOSS OF SHUTDOWN COOLING WHEN THE INBOARD SUCTION ISOLATION VALVE CLOSED (E11-F009). SHUTDOWN COOLING WAS PLACED BACK IN SERVICE WITHIN FOUR MINUTES, NO INCREASE IN RCS TEMPERATURE WAS OBSERVED. GROUP 3 ISOLATION, REACTOR WATER CLEANUP SYSTEM (RWCU), THE INBOARD ISOLATION VALVE (G31-F001) WOULD HAVE CLOSED EXCEPT ITS BREAKER WAS RACKED OUT FOR VALVE MAINTENANCE. STANDBY GAS TREATMENT SYSTEM (SBGTS) STARTED. GROUP 2 ISOLATED, INBOARD ISOLATION ONLY, DRYWELL FLOOR AND EQUIPMENT DRAINS. GROUP 6 ISOLATION, ATMOSPHERIC CONTROL VALVES CLOSED. REACTOR BUILDING VENTILATION ISOLATED. GROUP 10, PRIMARY CONTAINMENT PNEUMATIC SUPPLY, DIVISION 2 ISOLATED.

UNIT 2: GROUP 1 ISOLATION, MSIVs WERE ALREADY CLOSED. SBTGS GOT A START SIGNAL, BUT THE SYSTEM IS TAGGED OUT FOR MAINTENANCE AND DIDN'T START. GROUP 6 ISOLATION, SAME AS FOR UNIT 1. GROUP 10, ISOLATION OF BOTH DIVISIONS OF PRIMARY CONTAINMENT PNEUMATIC SUPPLY. THE LICENSEE IS STILL INVESTIGATING THE CIRCUMSTANCES OF THESE ISOLATIONS.

Power Reactor

Event # 25244

AT 1731 EST A THIRD UNIT 1 TRANSMISSION LINE TRIPPED AND RECLOSED. THIS CAUSED AN ADDITIONAL SBGTS AND REACTOR BUILDING VENTILATION SYSTEM ISOLATION. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R2DO(LITTLE) NOTIFIED.

\*\*\* UPDATE AT 2105 EST FROM CHISM TAKEN BY KARSCH \*\*\*

A THIRD UNIT 1 OFFSITE FEEDER WENT DOWN AT 2037 EST (230 KV DELCO EAST LINE). THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R2DO (LITTLE) NOTIFIED.

\*\*\* UPDATE AT 2243 EST FROM STANLY & CHISM TAKEN BY KARSCH \*\*\*

A SECOND INCOMING LINE FOR UNIT 1 WAS RESTORED AT 2155 EST. ALL FOUR INCOMING LINES WERE RESTORED FOR UNIT 2 AT 1602 EST. THE LICENSEE WILL TERMINATE THEIR UNUSUAL EVENT WHEN THEY HAVE CONFIDENCE THAT THE SECOND LINE TO UNIT 1 WILL NOT TRIP UNEXPECTEDLY. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE @ 2323 EST 03/13/93 FROM K CHISM TAKEN BY MACKINNON\*\*\*

\*AT 1949 EST DURING HIGH WINDS A VOLTAGE TRANSIENT OCCURRED DURING LOSS OF ONE INCOMING TRANSMISSION LINE (230 KV DELCO EAST LINE). SEVERAL SPURIOUS ISOLATION SIGNALS AND TRIPS WERE GENERATED ON UNIT 1.

GROUP 1 - MAIN STEAM ISOLATION VALVES CLOSED

GROUP 6 - CONTAINMENT ATMOSPHERE CONTROL VALVES- DIVISION 2 ONLY

GROUP 10- PRIMARY CONTAINMENT PNEUMATIC SUPPLY VALVES-DIVISION 1 ONLY

AT 1957 EST ANOTHER VOLTAGE TRANSIENT OCCURRED. THIS RESULTED IN THE SAME ACTUATIONS AS THE 1949 EST EVENT WITH THE EXCEPTION OF MAIN STEAM LINE ISOLATION VALVES WERE ALREADY CLOSED.

AT 2037 EST ANOTHER VOLTAGE TRANSIENT OCCURRED, THIS RESULTED IN THE FOLLOWING ACTUATIONS.

GROUP 1 - MAIN STEAM ISOLATION VALVES (ONE-HALF LOGIC ONLY)

GROUP 6 - CONTAINMENT ATMOSPHERE CONTROL VALVES, REACTOR BUILDING VENTILATION ISOLATION AND STANDBY GAS TRAIN START. THE CAC-V49 AND CAC-50V DID NOT CLOSE (DRYWELL TOP VENTS).

GROUP 10- PRIMARY CONTAINMENT PNEUMATIC SUPPLY VALVES- DIVISION 2 ONLY, REACTOR PROTECTION SYSTEM HALF SCRAM ("A" LOGIC ONLY).

MINIMAL SIGNIFICANCE AS THE ISOLATIONS AND INITIATIONS WERE THE RESULT OF SPURIOUS SIGNALS APPARENTLY CAUSED BY THE VOLTAGE TRANSIENTS WHEN THE INCOMING TRANSMISSION LINE IS LOST. OFFSITE POWER HAS NOT BEEN LOST AND THE EMERGENCY DIESEL GENERATORS ARE OPERABLE.

THE ISOLATION SIGNALS HAVE BEEN RESET AND EQUIPMENT HAS BEEN RETURNED TO SERVICE. EFFORTS CONTINUE TO RESTORE THE TRANSMISSION LINES TO SERVICE."  
R2DO (BILL LITTLE) NOTIFIED.

RESIDENT INSPECTOR WILL BE NOTIFIED BY THE LICENSEE.

\*\*\* UPDATE 0010 EST 03/14/93 K CHISM TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 2337 EST 03/13/93 WHEN SECOND OFFSITE POWER SUPPLY TO UNIT ONE WAS FULLY RESTORED TO SERVICE AT 2337 EST. UNIT ONE STILL HAS TO RESTORE TWO OTHER 230 KV OFFSITE POWER SUPPLIES BEFORE ALL OFFSITE POWER SUPPLY LINES TO UNIT ONE

Power Reactor

Event # 25244

ARE RESTORED. THEY ARE THE JACKSONVILLE 230 KV LINE AND THE CASTLE HAYNE 230 KV LINE.  
UNIT 2 HAS ALL FOUR OF THEIR OFFSITE POWER LINES. LICENSEE IS LEAVING THEIR TSC AVAILABLE  
IF NEEDED. LICENSE NOTIFIED STATE AND THEIR RESIDENT INSPECTOR THAT THEY HAD  
TERMINATED THEIR UNUSUAL EVENT. R2DO (BILL LITTLE), EO (ASHOK THADANI), AND FEMA  
(HERSKO) NOTIFIED.

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Power Reactor

Event # 25249

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: MAINE YANKEE                |            | Notification Date / Time: 03/13/1993 20:53 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : ME                                       | Event Date / Time: 03/13/1993 20:35 (EST) |                 |            |                 |
| Reactor Type: [1] CE              |            | Last Modification: 03/14/1993                    |   |                 |            |                 |
| Containment Type:                 |            |  |   |                 |            |                 |
| NRC Notified by: WALDMAN          |            | Notifications: DONALD HAVERKAMP RDO              |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY       |            | ASHOK THADANI EO                                 |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(1)(iii) HURRICANE        |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

MAINE YANKEE HAS DECLARED AN UNUSUAL EVENT AS REQUIRED BY THEIR EMERGENCY PLAN DUE TO SUSTAINED HURRICANE FORCE WINDS (78 MPH). THE PLANT IS OPERATING NORMALLY AT 100% POWER, AND NO DIFFICULTIES HAVE BEEN EXPERIENCED WITH GRID STABILITY. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND THE STATE OF MAINE.

\*\*\* UPDATE AT 0811 EST ON 3/14/93 FROM TAYLOR TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 0809 EST ON 3/14/93. THE STORM HAS ABATED AND NO LONGER POSES A THREAT TO THE SITE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO (HAVERKAMP), EO (THADANI) AND FEMA (BELCHER) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 25257

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 03/14/1993 14:06 (EST) |            |   |
| Unit: 1                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 03/14/1993 13:30 (EST) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 03/14/1993                    |            |   |
| Containment Type: MARK I                 |            |           |            |  |            |   |
| NRC Notified by: ERIC BRODEUR            |            |           |            | Notifications: DONALD HAVERKAMP RDO              |            |   |
| HQ Ops Officer: RUDY KARSCH              |            |           |            | ASHOK THADANI EO                                 |            |   |
| Emergency Class: UNUSUAL EVENT           |            |           |            | CARR FEMA  |            |   |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1  | N          | Yes       | 100        | Power Operation                                  | 80         | Power Operation                           |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED SHUTDOWN.

THE LICENSEE IS SHUTTING DOWN UNIT 1 DUE TO A SECONDARY CONTAINMENT BREACH, A BLOWOUT PLUG IN THE REACTOR BUILDING CEILING LIFTED DUE TO SEVERE WEATHER. TECH SPEC 3.7.C.i REQUIRES SECONDARY CONTAINMENT INTEGRITY OR SHUT DOWN. THE LICENSEE IS SHUTTING DOWN AT 0.6% PER MINUTE AND EXPECTS TO REACH COLD SHUTDOWN BEFORE THE BLOWOUT PLUG CAN BE REPAIRED. ALL SYSTEMS ARE FULLY OPERATIONAL. THE LICENSEE'S MAINTENANCE CREW IS FOLLOWING UP. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1753 EST FROM SHIMP TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 1740 EST. CONTAINMENT INTEGRITY WAS RESTORED BY REPAIR TO THE BLOWOUT PLUG. THE LOWEST POWER REACHED WAS 65%. POWER ASCENSION COMMENCED AT 1750 EST AND THE LICENSEE WILL RETURN TO 100% POWER. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO (HAVERKAMP), EO (THADANI) AND FEMA (WRIGHT) NOTIFIED.

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Power Reactor

Event # 25269

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BRUNSWICK                   |            | Notification Date / Time: 03/16/1993 20:30 (EST) |   |                 |            |                 |
| Unit: 2                           | Region: 2  | State : NC                                       | Event Date / Time: 03/16/1993 19:07 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 03/17/1993                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: HARDIN           |            | Notifications: EDWARD MCALPINE RDO               |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |            | STEVEN VARGA EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | EARL FEMA  |   |                 |            |                 |
| 10 CFR Section:                   |            | ROSS, SPESSARD AEOD                              |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            | BROCKMAN, GIITTER AEOD                           |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

-UE DUE TO LOOP; LOSS OF RHR S/D COOLING FOR 63 MINUTES; NO RCS TEMP RISE-

UNIT 2 IS IN CONDITION 4 (COLD SHUTDOWN) IN A MAINTENANCE OUTAGE AND HAS BEEN SHUTDOWN SINCE APRIL 1992.

AT 1856, UNIT 2 LOST ALL OFFSITE POWER FOR UNKNOWN REASONS.

THE FOLLOWING ESF ACTUATIONS OCCURRED DUE TO THE LOSS OF RPS POWER:

GROUP 1 - Rx SAMPLE VALVES CLOSED

GROUP 2 - RHR SAMPLE VALVES AND DRYWELL FLOOR DRAINS CLOSED

GROUP 3 - RWCU SYSTEM ISOLATED

GROUP 6 - CONTAINMENT ATMOSPHERIC CONTROL SYSTEM ISOLATED

GROUP 8 - RHR SHUTDOWN COOLING ISOLATED

- SBTG SYSTEM RECEIVED AN INITIATION SIGNAL BUT WAS INOPERABLE

- SECONDARY CONTAINMENT DID NOT ISOLATE DUE TO SBTG SYSTEM BEING INOPERABLE

4 OF 4 EDGs STARTED; #3 EDG & #4 EDG TIED TO THEIR RESPECTIVE UNIT 2 BUSES.

AT 1907, LICENSEE DECLARED AN UNUSUAL EVENT FOR UNIT 2 DUE TO A LOSS OF ALL OFFSITE POWER ON UNIT 2. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

AT 1959, LICENSEE REESTABLISHED RHR SHUTDOWN COOLING ON UNIT 2. Rx COOLANT SYSTEM TEMPERATURE REMAINED AT 98 DEGREES F DURING THIS 63 MINUTE PERIOD.

AT 2108, LICENSEE ACTIVATED THEIR TECHNICAL SUPPORT CENTER TO FACILITATE COMMUNICATIONS.

Power Reactor

Event # 25269

LICENSEE IS INVESTIGATING THE ROOT CAUSE.

NOTE: SEE EVENT #25270 FOR A RELATED EVENT ON UNIT 1.

\*\*\* UPDATE AT 2256 BY MASCARENO ENTERED BY HOO JOLLIFFE \*\*\*

LICENSEE SUSPECTS SALT BUILDUP FROM THE RECENT STORM MAY BE CAUSING THE CURRENT PROBLEMS. LICENSEE IS PLANNING TO WASH DOWN AFFECTED ELECTRICAL EQUIPMENT WITH FRESH WATER TO CLEAR THE SALT BUILDUP.

HOO NOTIFIED R2DO McALPINE.

NOTE: SEE EVENT #25244 FOR A RELATED EVENT.

\*\*\* UPDATE AT 1200 ON 03/17/93 BY TABOR ENTERED BY HOO JOLLIFFE \*\*\*

AT 1109, LICENSEE ENERGIZED THE PRIMARY SIDE OF THE UNIT 2 STARTUP AUXILIARY TRANSFORMER.

AT 1151, LICENSEE ENERGIZED 4 KV BOP BUSES #2B, #2C, & #2D TO SUPPLY POWER TO BOP LOADS THUS REESTABLISHING OFFSITE POWER TO UNIT 2. #3 EDG AND #4 EDG ARE STILL RUNNING AND LOADED TO THEIR BUSES. LICENSEE TERMINATED THE UNUSUAL EVENT FOR UNIT 2 DUE TO REESTABLISHING OFFSITE POWER TO UNIT 2. LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND HAVE NOTIFIED THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT FOR UNIT 2.

HOO NOTIFIED R2DO McALPINE, NRR EO BRIAN GRIMES, & FEMA WITSBERGER.

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Power Reactor

Event # 25270

|                                 |                    |  |   |
|---------------------------------|--------------------|--|---|
| Site: BRUNSWICK                 |                    | Notification Date / Time: 03/16/1993 22:56 (EST) |   |
| Unit: 1                         | Region: 2          | State : NC                                       | Event Date / Time: 03/16/1993 18:56 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4 |                    | Last Modification: 03/17/1993                    |   |
| Containment Type: MARK I        |                    |  |   |
| NRC Notified by: MASCARENO      |                    | Notifications: EDWARD MCALPINE RDO               |   |
| HQ Ops Officer: DICK JOLLIFFE   |                    |  |   |
| Emergency Class: UNUSUAL EVENT  |                    |  |   |
| 10 CFR Section:                 |                    |  |   |
| 50.72(a)(1)(i)                  | EMERGENCY DECLARED |  |   |
| 50.72(b)(2)(ii)                 | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

-UE DUE TO LOOP; LOSS OF RHR S/D COOLING FOR 38 MINUTES; NO RCS TEMP RISE-

UNIT 1 IS IN CONDITION 4 (COLD SHUTDOWN) IN A MAINTENANCE OUTAGE AND HAS BEEN SHUTDOWN SINCE APRIL 1992.

AT 1856, THE FOLLOWING ESF ACTUATIONS OCCURRED ON UNIT 1 DUE TO THE LOSS OF OFFSITE POWER TO UNIT 2 (ELECTRICAL POWER IS BEING SUPPLIED WHOLLY OR PARTIALLY FROM UNIT 2 ELECTRICAL BUSES): (SEE EVENT #25269)

- CONTAINMENT ATMOSPHERIC CONTROL SYSTEM ISOLATED (GROUP 6)
- SECONDARY CONTAINMENT ISOLATED
- SBTG SYSTEM STARTED
- RHR SHUTDOWN COOLING ISOLATED.

AT 1934, LICENSEE REESTABLISHED RHR SHUTDOWN COOLING ON UNIT 1. Rx COOLANT SYSTEM TEMPERATURE REMAINED AT 92 DEGREES F DURING THIS 38 MINUTE PERIOD.

AT 2050, A VOLTAGE TRANSIENT OCCURRED ON UNIT 1 FOR UNKNOWN REASONS WHICH CAUSED A SPURIOUS TRIP OF THE CHANNEL 'B' CONTAINMENT HIGH PRESSURE RELAY, WHICH, COINCIDENT WITH ACTUAL LOW Rx VESSEL PRESSURE (0 PSIG), CAUSED THE DIVISION 1 NON-INTERRUPTIBLE BACKUP NITROGEN SUPPLY VALVE TO THE DRYWELL (#RNA-SV-5262) TO CLOSE.

AT 2325, LICENSEE RESET ALL UNIT 1 SYSTEMS TO NORMAL.

LICENSEE IS INVESTIGATING THE ROOT CAUSE.

OFFSITE POWER SOURCE FOR UNIT 1 REMAINS AVAILABLE.

LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

Power Reactor

Event # 25270

NOTE: SEE EVENT #23367 FOR A RELATED EVENT.

\*\*\* UPDATE 0355EST 3/17/93 FROM R.CREECH BY S.SANDIN \*\*\*

UNIT 1 EXPERIENCED A LOSS OF OFFSITE POWER AT 0327EST DUE TO THE LOCKOUT OF THE "1A" 230 KV BUS. THE "1B" 230 KV BUS HAD PREVIOUSLY BEEN LOCKED OUT WITH TROUBLESHOOTING IN PROGRESS. THE LICENSEE ESTIMATES THAT SHUTDOWN COOLING WILL BE RESTORED BY 0430EST. BOTH THE #1 AND #2 EDGs WHICH WERE RUNNING AT THE TIME PICKED UP LOAD. THE UNIT 2 SWITCHYARD IS UNDER CLEARANCE FOR FRESH WATER WASHDOWN AS EFFORTS CONTINUE TO RECOVER OFFSITE POWER TO UNIT 2. PRIOR TO THE LOSS OF POWER, FEEDS WERE AVAILABLE FROM CASTLE HAYNE EAST, JACKSONVILLE AND WEATHERSPOON SUPPLYING "1A" 230KV BUS BACKFEEDING THROUGH THE UNIT AUXILIARY TRANSFORMER TO THE STATION AUXILIARY TRANSFORMER. THE LICENSEE BELIEVES THAT THE PREVIOUS DECLARATION OF UNUSUAL EVENT FOR UNIT 2 ALSO INCLUDES THIS DEGRADATION IN PLANT CONDITION AND IS THEREFORE NOT MAKING A SEPARATE NOTIFICATION. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR WHO IS ONSITE. NOTIFIED R2DO(McALPINE), EO(VARGA) AND IRB(BROCKMAN).

\*\*\* UPDATE 0530EST 3/17/93 FROM TSC/MASCARENO BY S.SANDIN \*\*\*

SHUTDOWN COOLING USING "A" RHR PUMP WAS RESTORED AT 0455EST. CURRENT ESTIMATE FOR RECOVERY OF UNIT 2 OFFSITE POWER IS APPROX. 0700EST. THE LICENSEE WILL THEN MOVE WASHDOWN EQUIPMENT TO UNIT 1 AND BEGIN WASHDOWN AT APPROX 0900EST WITH ESTIMATED RECOVERY BETWEEN 1200-1300EST. THE LICENSEE ALSO NOTED THAT #2 EDG WAS EXPERIENCING MINOR OSCILLATION OF THE GENERATOR FIELD VOLTAGE OF +/- 3V. NOTIFIED R2DO(McALPINE) AND IRB(BROCKMAN).

\*\*\* UPDATE 0642EST 3/17/92 FROM MASCARENO BY S.SANDIN \*\*\*

LICENSEE IS UPDATING THIS EVENT TO INCLUDE THE VARIOUS ESF ACTUATIONS THAT OCCURRED AT THE TIME OF LOSS OF OFFSITE POWER TO UNIT 1.

"A LOSS OF OFFSITE POWER OCCURRED ON UNIT 1 AT 0329 ON 3/17/93. DIESELS WERE RUNNING AS A RESULT OF THE PREVIOUS LOSS OF OFFSITE POWER ON UNIT 2. DIESELS TIED TO THEIR RESPECTIVE E-BUSES AS REQUIRED.

UNIT 1 ESF ACTUATIONS, DUE TO LOSS OF RPS POWER, INCLUDED:

GROUP 1: REACTOR SAMPLE VALVES  
GROUP 2: DRYWELL FLOOR AND EQUIPMENT DRAINS  
GROUP 3: RWCU ISOLATION  
GROUP 6: CONTAINMENT ATMOSPHERE CONTROL ISOLATION  
GROUP 8: RHR SHUTDOWN COOLING ISOLATION  
GROUP10: REACTOR NON-INTERRUPTIBLE AIR ISOLATION

SECONDARY CONTAINMENT ISOLATION SIGNAL - PREVIOUSLY ISOLATED  
STANDBY GAS TREATMENT AUTOSTART SIGNAL - PREVIOUSLY RUNNING  
RPS ACTUATION DUE TO LOSS OF POWER - ALL RODS PREVIOUSLY INSERTED

CORRECTIVE ACTIONS:

POWER WAS RESTORED TO UNIT 1 E-BUSES FROM ONSITE DIESEL GENERATORS.  
RHR LOOP "A" PLACED IN SHUTDOWN COOLING AT 0458. REACTOR COOLANT TEMPERATURE ROSE TO 91.1F, A TOTAL INCREASE OF 0.6F."

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R2DO(McALPINE).

\*\*\* UPDATE AT 1200 ON 03/17/93 BY TABOR ENTERED BY HOO JOLLIFFE \*\*\*

Power Reactor

Event # 25270

AT 0327, LICENSEE EXPANDED THE UNUSUAL EVENT ORIGINALLY DECLARED FOR UNIT 2 ONLY TO INCLUDE UNIT 1 ALSO DUE TO A LOSS OF OFFSITE POWER TO UNIT 1. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR THAT THE UNUSUAL EVENT ORIGINALLY DECLARED FOR UNIT 2 ONLY ALSO INCLUDES UNIT 1.

HOO NOTIFIED R2DO McALPINE, NRR EO BRIAN GRIMES, & FEMA WITSBERGER.

\*\*\* UPDATE 0655EST 3/18/93 FROM BOONE BY J.SEBROSKY \*\*\*

UE TERMINATED AT 0653EST AFTER RETURNING EDGs TO STANDBY STATUS. UNIT 1 IS BEING SUPPLIED WITH OFFSITE POWER THROUGH ITS NORMAL LINEUP. THE LICENSEE WILL INFORM STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS PLANNED. NOTIFIED R2DO(McALPINE), EO(GRIMES) AND FEMA(WRIGHT).

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Power Reactor

Event # 25273

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: CRYSTAL RIVER               |            | Notification Date / Time: 03/17/1993 08:55 (EST) |   |                 |            |                 |
| Unit: 3                           | Region: 2  | State : FL                                       | Event Date / Time: 03/17/1993 08:40 (EST) |                 |            |                 |
| Reactor Type: [3] B&W-L-LP        |            | Last Modification: 03/17/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: MARSHALL         |            | Notifications: EDWARD MCALPINE RDO               |   |                 |            |                 |
| HQ Ops Officer: JOSEPH SEBROSKY   |            | CHRIS GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | CALDWELL FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                   |            | JOE GITTER IRB                                   |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            | BROCKMAN, SPESSARD AEOD                          |   |                 |            |                 |
| ROSS                              |            | AEOD   |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

UNIT 3 DECLARED AN UNUSUAL EVENT DUE TO A DEGRADED 230KV SWITCHYARD.

THE POWER PLANT STILL HAS TWO SOURCES OF OFFSITE POWER AVAILABLE AT THIS TIME. THE "A" EMERGENCY DIESEL GENERATOR HAS BEEN MANUALLY STARTED AS A PRECAUTION AND IS SUPPLYING THE "A" ENGINEERED SAFEGUARDS BUS. THE NON VITAL BUSES ARE BEING SUPPLIED BY OFFSITE POWER THROUGH THE MAIN TRANSFORMER (THE LOAD BREAK SWITCH FOR THE GENERATOR IS OPEN). A SECOND SOURCE OF OFFSITE POWER IS STILL AVAILABLE THROUGH THE STARTUP TRANSFORMER.

THE "B" EMERGENCY DIESEL GENERATOR AS WELL AS THE "B" ENGINEERED SAFEGUARDS BUS ARE UNAVAILABLE AT THIS TIME DUE TO MAINTENANCE. THE PLANT ENTERED A SCHEDULED MAINTENANCE OUTAGE ON 3/4/93. THE CURRENT PLANT TEMPERATURE IS 94 DEGREES.

THE CAUSE OF THE DEGRADED SWITCHYARD IS BELIEVED TO BE FROM SALT DEPOSITS FORM THE STORM OF THIS PAST WEEKEND. THE AREA IS EXPERIENCING A MILD RAIN THAT IS WASHING THE SALT INTO BREAKERS IN THE YARD. THE LICENSEE WILL WASHDOWN THE EQUIPMENT IN THE SWITCHYARD WITH DEIONIZED WATER FOR CORRECTIVE ACTION.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AS WELL AS THE STATE WARNING POINT IN TALLAHASSEE.

\*\*\* UPDATE 1100EST 3/17/93 FROM GALLION BY S.SANDIN \*\*\*

AT 1050EST SUPPLY LINE BREAKERS FOR THE "A" 230KV BUS OFFSITE POWER SOURCE TRIPPED OPEN REDUCING OFFSITE POWER SUPPLY TO THE 500KV BACKFEED. THE CAUSE OF THE LINE BREAKER TRIPS ARE NOT KNOWN AT THIS TIME, HOWEVER THE SITE IS EXPERIENCING HEAVY RAIN. AS A PRECAUTIONARY MEASURE THE LICENSEE IS INSTALLING THE EQUIPMENT HATCH WHICH THEY EXPECT TO HAVE COMPLETED WITHIN APPROXIMATELY 2 HOURS. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

Power Reactor

Event # 25273

NOTIFIED R2DO(McALPINE), EO(GRIMES) AND IRB(GIITTER).

\*\*\* UPDATE 13:32 3/17/93 FROM GALLION TAKEN BY SEBROSKY \*\*\*

THE 230KV OFFSITE POWER SOURCE HAS BEEN REENERGIZED. THE LICENSEE CONTINUES TO WASHDOWN THE SWITCHYARD. THE LICENSEE WILL EXIT THE UNUSUAL EVENT AFTER THE WASHDOWN IS COMPLETED. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. NOTIFIED R2DO (McALPINE) EO(B. GRIMES), AND IRB(GIITTER).

HOO NOTE: THE NRC ENTERED THE MONITORING MODE AT 11:30EST DUE TO THE LOSS OF ONE OF THE TWO OFFSITE POWER SUPPLIES. THE NRC EXITED THE MONITORING MODE AT 16:30.

\* \* \* UPDATE AT 1909 BY GALLION ENTERED BY HOO JOLLIFFE \* \* \*

AT 1905, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO THE 230 KV SWITCHYARD, OFFSITE POWER TRANSFORMER, & THE 'A' EDG BEING RETURNED TO THE NORMAL STANDBY MODE AND THE 'A' 4160 VAC ES BUS BEING REALIGNED TO ITS NORMAL POWER SUPPLY.

LICENSEE WILL NOTIFY STATE & LOCAL OFFICIALS AND NRC RESIDENT INSPECTOR.

HOO NOTIFIED R2DO McALPINE, NRR EO VARGA, FEMA MOSTELLER.

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Power Reactor

Event # 25295

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: CALVERT CLIFFS              |                      | Notification Date / Time: 03/23/1993 16:52 (EST) |  |
| Unit: 1 2                         | Region: 1 State : MD | Event Date / Time: 03/23/1993 16:40 (EST)        |  |
| Reactor Type: [1] CE,[2] CE       |                      | Last Modification: 03/25/1993                    |  |
| Containment Type: DRY AMB DRY AMB |                      |  |  |
| NRC Notified by: FLEEGLE          |                      | Notifications: KINNEMAN RDO                      |  |
| HQ Ops Officer: CHAUNCEY GOULD    |                      | ROSSI EO   |  |
| Emergency Class: UNUSUAL EVENT    |                      | WRIGHT FEMA                                      |  |
| 10 CFR Section:                   |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO ITS METEOROLOGICAL SYSTEM BEING OUT OF SERVICE. THE CAUSE IS BEING INVESTIGATED. THE RI, STATE AND LOCAL GOVERNMENTS HAVE BEEN NOTIFIED.

\*\*\* UPDATE AT 07:19 3/25/93 FROM BARGER TAKEN BY SEBROSKY \*\*\*

THE LICENSEE EXITED THE UNUSUAL EVENT AT 07:05 WHEN THE METEOROLOGICAL SYSTEM WAS RETURNED TO SERVICE. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO(KINNEMAN), EO(DENNING), AND FEMA(AUSTIN).

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Power Reactor

Event # 25325

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CRYSTAL RIVER               |           | Notification Date / Time: 03/29/1993 02:25 (EST) |   |
| Unit: 3                           | Region: 2 | State : FL                                       | Event Date / Time: 03/29/1993 02:05 (EST) |
| Reactor Type: [3] B&W-L-LP        |           | Last Modification: 03/29/1993                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: JONES            |           | Notifications: MCGUIRE RDO                       |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | ROSSI EO   |   |
| Emergency Class: UNUSUAL EVENT    |           | CARR FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

THE PLANT HAD AUTO START AND LOADING OF BOTH EMERGENCY D/G'S DUE TO LOSS OF 500KV FEEDER.

THE PLANT HAD A MOMENTARY LOSS OF POWER(AT 01:50) TO THE ESF BUSES AND DECAY HEAT REMOVAL DUE TO THE LOSS OF THE 500KV BACK FEED. ENGINEERING SAFEGUARD FEATURES BUSES WERE REENERGIZED FROM THEIR RESPECTIVE EMERGENCY D/G'S. DECAY HEAT REMOVAL WAS ALSO RESTORED(RCS TEMP HEATED FROM APPROX 93F TO 106F BY IN CORE INDICATION). CAUSE OF THE LOSS OF THE 500KV FEEDER IS UNKNOWN AND BEING INVESTIGATED. THE NOUE WAS DECLARED AT 02:05 DUE TO THE LOSS OF OFFSITE POWER. IT WAS TERMINATED ALSO AT 02:05 DUE TO POWER BEING RESTORED VIA THE EMERGENCY D/G'S WITH AN ALTERNATE OFFSITE POWER SOURCE AVAILABLE. THE ALTERNATE SOURCE OF OFFSITE POWER HAS ALREADY BEEN CONNECTED TO ONE BUS AND IT SHOULD BE LESS THAN AN HOUR BEFORE THE SECOND BUS CAN BE CONNECTED(CURRENTLY ONE BUS POWERED FROM THE D/G AND THE OTHER FROM THE ALTERNATE POWER SOURCE). ALL OTHER EMERGENCY EQUIPMENT NECESSARY FOR THIS MODE IS OPERABLE. RCS LEVEL IS 136'8" AND WAS NOT AFFECTED BY THE EVENT. (LICENSEE ENTERED UNUSUAL EVENT FOR DEGRADED 230KV SWITCHYARD 3/17/93, SEE EVENT 25273).

THE RI WAS NOTIFIED ALONG WITH THE STATE OF FLORIDA, CITRUS AND LEVY COUNTIES. FLORIDA DEPT OF HEALTH AND REHABILITATIVE SERVICES WILL BE NOTIFIED IF REQUIRED. THEY DO NOT KNOW IF A PRESS RELEASE WILL BE ISSUED.

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Power Reactor

Event # 25327

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: COOK                          |           | Notification Date / Time: 03/29/1993 11:55 (EST) |   |
| Unit: 2                             | Region: 3 | State: MI  | Event Date / Time: 03/29/1993 11:04 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 03/29/1993                    |   |
| Containment Type: ICE COND          |           |  |   |
| NRC Notified by: PTACEK             |           | Notifications: HILAND                            | RDO                                       |
| HQ Ops Officer: GREG SCARFO         |           | GRIMES   | EO  |
| Emergency Class: UNUSUAL EVENT      |           | EARL   | FEMA                                      |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| TECH SPEC LCO A/S                   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 99         | Power Operation |

AN NOUE WAS DECLARED AT 1104EST WHEN AN URGENT FAILURE ALARM OCCURRED WITH FOUR CONTROL RODS IN A SHUTDOWN BANK SHOWN TO BE OUT OF POSITION(FULL-OUT). A TECHNICAL SPECIFICATION (T/S)-REQUIRED SHUTDOWN WAS INITIATED.

WHILE PERFORMING STP-15 (FULL LENGTH CONTROL ROD OPERABILITY TEST), AN URGENT FAILURE ALARM OCCURRED DUE TO A BLOWN FUSE IN A CONTROL ROD SYSTEM POWER CABINET. AT THE TIME OF THE ALARM, THE DEMAND COUNTER FOR GROUP "1" (FOUR CONTROL RODS) OF SHUTDOWN BANK "A" INDICATED THAT THE RODS WERE AT POSITION 228 INSTEAD OF THE NORMAL FULL-OUT POSITION OF 231. PER T/S 3.1.3.5, NO MORE THAN ONE CONTROL ROD OF ANY SHUTDOWN BANK MAY INDICATE LESS THAN 231. THE UNIT ENTERED T/S ACTION STATEMENT 3.0.3 AND INITIATED A PLANT SHUTDOWN.

THE BLOWN FUSE HAS BEEN REPLACED AND THE SHUTDOWN BANK HAS BEEN RETURNED TO THE FULL-OUT POSITION. THE LICENSEE TERMINATED THE SHUTDOWN AT 99% AND ANTICIPATES EXITING THE NOUE SHORTLY. THE CRITERION FOR EXITING THE NOUE IS A SUCCESSFUL COMPLETION OF STP-15. THE LICENSEE HAS NOTIFIED THE MICHIGAN STATE POLICE AND THE BARRIEN COUNTY SHERIFF. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE @1314EST FROM:PTACEK BY:SCARFO \*\*\*

THE NOUE AND T/S-REQUIRED SHUTDOWN WERE TERMINATED AT 1253EST UPON THE SUCCESSFUL COMPLETION OF STP-15. THE LICENSEE BELIEVES THAT THE DEMAND COUNTER AND GROUP DEMAND INDICATION WERE INCORRECTLY SHOWING THAT GROUP "1" RODS OF SHUTDOWN BANK "A" WERE AT STEP 228. THE CONTROL RODS WERE PROPERLY POSITIONED AT 231 AT THE TIME OF THE URGENT FAILURE ALARM. THE BLOWN FUSE WAS THE STATIONARY GRIPPER COIL POWER FUSE LOCATED IN THE "2AC" POWER CABINET. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R3DO(HILAND), EO(CHAFFEE) AND FEMA(EARL) NOTIFIED.

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Power Reactor

Event # 25331

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: COOPER                      |           | Notification Date / Time: 03/30/1993 21:41 (EST) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 03/30/1993 20:18 (CST) |
| Reactor Type: [1] GE-4            |           | Last Modification: 03/31/1993                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: MCWILLIAMS       |           | Notifications: DALE POWERS RDO                   |   |
| HQ Ops Officer: JOHN MacKINNON    |           | CECIL THOMAS EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | AL AUSTIN FEMA                                   |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

LICENSEE HEARD A LOUD BOOM AND ALL THEIR SEISMIC MONITORS ALARMED. READING ON THE SEISMIC MONITORS WAS 0.01g. LICENSEE DOES NOT KNOW IF AN EARTHQUAKE OR A SONIC BOOM SET OFF THEIR SEISMIC MONITORS. THE REACTOR IS DEFUELED. NO DAMAGE TO PLANT, NO LOSS OF ELECTRICAL POWER, AND THEIR SPENT FUEL POOL WAS NOT AFFECTED BY THE SEISMIC EVENT. LICENSEE CONTACTED EARTHQUAKE PERSONNEL AND THEY ARE GOING OUT TO CHECK THEIR SEISMIC MONITORS.

CALLED Mr. JACOBS OF THE U.S. GEOLOGICAL SURVEY AND THEY DID NOT DETECT ANY SEISMIC EVENT IN SOUTHEAST NEBRASKA. Mr. JACOBS SAID THAT THE NEAREST SEISMIC MONITOR THEY HAVE IS AT LEAST 300 MILES FROM COOPER NUCLEAR POWER PLANT AND IF LICENSEE HAD AN EARTHQUAKE IT WOULD HAVE HAD A MAGNITUDE LESS THAN 3 ON THE RICHTER SCALE.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\* UPDATE 1301 EST 03/31/93 BOB HYDEN TAKEN BY MACKINNON\*\*\*

"THE LOCAL NEWS MEDIA HAS EXPRESSED INTEREST IN THE SEISMIC EVENT OF LAST NIGHT. TELEVISION STATIONS FROM OMAHA, NE AND ST JOSEPH, MO WILL BE ON-SITE. REPRESENTATIVES FROM THE NUCLEAR POWER GROUP WILL BE MEETING WITH THE MEDIA, TO REVIEW THE PROCEDURES FOR RESPONDING TO A SEISMIC EVENT AND THE PLANT RESPONSE. PLANS ARE TO SHOW THE SEISMIC MONITORING EQUIPMENT LOCATED IN THE CONTROL ROOM."

LICENSEE SAID THAT THE SETPOINT FOR THEIR SEISMIC MONITORS IS 0.01g. THE HIGHEST READING RECORDED ON THE SEISMIC MONITORS WAS 0.07g (VALUE FORM THEIR ACCELEROMETERS). LICENSEE COULD NOT GIVE A SPECIFIC VALUE FOR THEIR SAFE SHUTDOWN EARTHQUAKE (SSE) OR FOR THEIR DESIGN BASIS EARTHQUAKE (DBE) LIMIT. R4DO (DALE POWERS), HEADQUARTERS PAO (SUE GAGNER) NOTIFIED.

\*\*\*\*UPDATE @ 1657EST ON 03/31/93 MACKINNON CALLED Mr. JACOBS OF U.S GEOLOGICAL SURVEY\*\*\*\*

Power Reactor

Event # 25331

Mr. JACOBS OF THE U.S. GEOLOGICAL SURVEY SAID THE FIRST EARTHQUAKE IN 30 YEARS OCCURRED LAST NIGHT AT 2002 CST AT (ROUGH) COORDINATES 40.3N BY 95.6W. MAGNITUDE OF THE EARTHQUAKE WAS 2.8 (ON RICHTER SCALE). NO DAMAGE REPORTED. COOPERS SITE COORDINATES ARE APPROXIMATELY 40.4N BY 95.7W.

\*\*\*UPDATE @ 1718EST ON 03/31/93 BY KAHANCA TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1700 EST AFTER LICENSEE EVALUATED CONSEQUENCES OF THE EARTHQUAKE ON THE PLANT AND PERFORMED SURVEILLANCE TESTING OF PLANT SYSTEM. LICENSEE SAID THAT THERE WAS NO DAMAGE TO THE PLANT FROM THE EARTHQUAKE. R4DO (DALE POWERS), EO (CECIL THOMAS), FEMA (BELCHER) NOTIFIED. LICENSEE NOTIFIED THEIR RESIDENT INSPECTOR.

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Power Reactor

Event # 25335

|   |            |  |   |                 |            |                 |
|---|------------|--|---|-----------------|------------|-----------------|
| Site: WASHINGTON NUCLEAR                  |            | Notification Date / Time: 03/31/1993 10:25 (EST) |   |                 |            |                 |
| Unit: 2                                   | Region: 5  | State : WA                                       | Event Date / Time: 03/31/1993 07:14 (PST) |                 |            |                 |
| Reactor Type: [2] GE-5                    |            | Last Modification: 03/31/1993                    |   |                 |            |                 |
| Containment Type: MARK II                 |            |  |   |                 |            |                 |
| NRC Notified by: ARTHUR WOOD              |            | Notifications: FORREST HUEY                      | RDO                                       |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN              |            | AL CHAFFEE                                       | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT            |            | SHULL  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                           |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED         |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS    |            |  |   |                 |            |                 |
| 50.72(b)(2)(iii)(A) POT UNABLE TO SAFE SD |            |  |   |                 |            |                 |
| Unit                                      | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2   | N          | Yes  | 97  | Power Operation | 97         | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED SHUTDOWN WITH BOTH HPCS AND RCIC (HIGH PRESSURE INJECTION) INOPERABLE.

AT 0714PST THE UNIT DECLARED AN UNUSUAL EVENT AFTER COMMENCING A TECH SPEC REQUIRED SHUTDOWN PER TS 3.0.3 WHEN HIGH PRESSURE CORE SPRAY (HPCS) WAS DECLARED INOPERABLE AT 0615PST DUE TO THE DEGRADATION OF EMERGENCY SERVICE WATER FLOW FROM THE REQUIRED 48GPM TO 46GPM AS DETERMINED IN SURVEILLANCE TEST 7.4.7.1.1.3. REACTOR CORE ISOLATION COOLING SYSTEM (RCIC) HAS BEEN INOPERABLE SINCE 3/19/93 AWAITING COMPLETION OF A DESIGN MODIFICATION (SEE EVENT #25283). SINCE BOTH HIGH PRESSURE INJECTION EMERGENCY CORE COOLING SYSTEMS (ECCS) ARE INOPERABLE, THE UNIT ENTERED TS 3.0.3 WHICH ALLOWS 1 HOUR TO RESTORE ONE OF THE SYSTEMS OR COMMENCE A PLANT SHUTDOWN. AT 0714PST THE UNIT COMMENCED A PLANT SHUTDOWN BY DRIVING CONTROL RODS IN AND REDUCING LOAD. CONCURRENTLY, THE PLANT OPERATING COMMITTEE (POC) IS PERFORMING AN ANALYTICAL EVALUATION (A BOUNDING CALCULATION ASSUMING 45GPM ESW FLOW UNDER WORST CASE CONDITIONS) OF WHETHER HPCS CAN BE CONSIDERED OPERABLE. AT 0737PST THE POC RECOMMENDED TO THE CONTROL ROOM THAT HPCS BE CONSIDERED OPERABLE WITH THE REDUCED ESW FLOW. THE LICENSEE IS EVALUATING THE POC'S RECOMMENDATION AT THIS TIME. CURRENT POWER IS 89%. THE LICENSEE INFORMED DOE HANFORD, STATE OF WASHINGTON, BENTON AND FRANKLIN COUNTIES, AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1138EST 3/31/93 FROM WOOD BY S.SANDIN \*\*\*

AT 0836PST THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 87% POWER AFTER PERFORMING A SECOND FLOW DETERMINATION SATISFACTORILY (STILL 46GPM) AT WHICH TIME HPCS WAS DECLARED OPERABLE. THE LICENSEE HAS ATTRIBUTED THE PROBLEM TO AN IMPROPER FLOW BALANCE BETWEEN THE HPCS DIESEL GENERATOR JACKET WATER SUPPLY (845GPM NOMINAL - 900GPM ACTUAL) AND THE HPCS ROOM COOLER. FURTHER, THE LICENSEE HAS AGREED TO FAX FLOW DATA TO REGION 5. A FLOW REBALANCE WILL BE PERFORMED AT A LATER DATE. THE LICENSEE WILL INFORM DOE HANFORD, STATE OF WASHINGTON, LOCAL COUNTIES AND THE NRC

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Power Reactor

Event # 25335

RESIDENT INSPECTOR. NOTIFIED R5DO(HUEY), EO(CHAFFEE) AND FEMA(SHULL).

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Power Reactor

Event # 25341

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: POINT BEACH                   |           | Notification Date / Time: 03/31/1993 18:30 (EST) |   |
| Unit: 1 2                           | Region: 3 | State : WI                                       | Event Date / Time: 03/31/1993 17:04 (CST) |
| Reactor Type: [1] W-2-LP,[2] W-2-LP |           | Last Modification: 03/31/1993                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: HENNIG             |           | Notifications: PAT HILAND RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON      |           | CECIL THOMAS EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | WITSBERGER FEMA                                  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT CLASSIFICATION WAS BASED UPON NEAR SITE RELEASE OF A FLAMMABLE GAS.  
UNUSUAL EVENT WAS TERMINATED AT 1834EST.

A LIQUID PROPANE LP TANK LEAK WAS REPORTED ON THE NORTH SIDE OF THE PLANT OUTSIDE OF THE SECURITY BOUNDARY. LEAK WAS FROM AN ABOVE GROUND 3/8" COPPER TUBE WHICH CONNECTED ON A HOME HEATING TYPE LP TANK TO A MOBILE TRAILER (BELONGS TO LICENSEE AND IS USED BY CONTRACT WORKERS. WORKERS IN THE TRAILER NOTIFIED THE PLANT OF THE LEAKING PROPANE TANK). LEAK WAS ISOLATED AT 1800 EST. NO DANGER TO EITHER UNIT. WINDS AT THE TIME WERE BLOWING 35 TO 40mph FROM NNE 020 DEGREES WHICH BLEW ANY FLAMMABLE GASES AWAY FROM THE PLANT. THERE WAS NO FIRE FROM THE LEAKING PROPANE GAS. UNUSUAL EVENT WAS TERMINATED AT 1834 EST. LICENSEE SAID THAT NONE OF THEIR TOXIC MONITORS DETECTED ANY PROPANE GAS IN THE AIR. NO FIRE WAS ASSOCIATED WITH THE LEAKING PROPANE GAS. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

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Power Reactor

Event # 25351

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 04/03/1993 16:11 (EST) |   |
| Unit: 2                             | Region: 1 | State : NJ                                       | Event Date / Time: 04/03/1993 15:44 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 04/03/1993                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: RICH GANNON        |           | Notifications: DONALD HAVERKAMP RDO              |   |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | CECIL THOMAS EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | ED SIMMERS FEMA                                  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED DUE TO A CARBON DIOXIDE GAS DISCHARGE WHICH WAS A THREAT TO PERSONNEL IN A VITAL AREA.

CARBON DIOXIDE WAS RELEASED INTO THE 78 FT ELEVATION ELECTRICAL PENETRATION AREA FROM THE PLANT CARDOX SYSTEM. THIS AREA CONTAINS 1E SWITCHGEAR. LICENSEE PERSONNEL RESPONDED TO THE LOCATION UPON RECEIVING INDICATION OF THE DISCHARGE ON THE FIRE PROTECTION MONITORING SYSTEM. PERSONNEL IN PROTECTIVE SELF CONTAINED BREATHING APPARATUS DID A SURVEY OF THE AREA AND DETERMINED THAT THERE WAS NO EVIDENCE OF FIRE OR OTHER INDICATIONS THAT COULD ACCOUNT FOR THE DISCHARGE. THE CO2 DISCHARGE WAS SECURED AND THE LOCATION IS CURRENTLY BEING VENTILATED.

LICENSEE STATES THAT TWO CONTRACT WORKERS WERE IN THE AREA WHEN THE DISCHARGE INITIATED BUT SAFELY EVACUATED. THEY HAVE BEEN TAKEN TO THE FACILITY'S FIRST AIDE STATION FOR FOLLOWUP EXAMINATION.

THE CAUSE IS UNDER INVESTIGATION. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. STATE AND LOCAL AUTHORITIES WERE INFORMED AND A PRESS RELEASE IS ANTICIPATED.

THE PLANT IS CURRENTLY IN A REFUELING OUTAGE WITH MOST OF THE CORE OFFLOADED. FUEL MOVEMENT WAS NOT IN PROGRESS AT THE TIME OF THE EVENT.

\*\*\*UPDATE FROM LICENSEE:GANNON TO NRC:HUFFMAN AT 1659 EST ON 4/3/93\*\*\*

LICENSEE TERMINATED THE UE AT 1648 EST UPON RESTORATION OF THE ELECTRICAL PENETRATION AREA TO NORMAL HABITABILITY CONDITIONS. THE CARDOX SYSTEM HAS BEEN TAGGED OUT WHILE THE LICENSEE CONTINUES TO INVESTIGATE THE CAUSE OF THE DISCHARGE. COMPENSATORY FIRE PROTECTION MEASURES HAVE BEEN IMPLEMENTED.

PRELIMINARY CAUSE OF THE DISCHARGE APPEARS TO BE DUE TO WATER INTRUSION INTO A CARDOX SYSTEM RELATED ELECTRICAL PANEL. LICENSEE NOTES THAT IN ADDITION TO THE TWO

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Power Reactor

Event # 25351

CONTRACT WORKERS IN THE AREA AT THE TIME OF DISCHARGE, A THIRD PERSON (PSE&G EMPLOYEE) WAS ALSO IDENTIFIED AS HAVING WORKED IN THE AREA AT THE TIME OF THE EVENT. ALL INDIVIDUAL WERE EXAMINED AT THE PLANT FIRST AIDE STATION AND RELEASED.

R1DO(HAVERKAMP), EO(THOMAS), AND FEMA(SIMMERS) HAVE BEEN INFORMED.

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Power Reactor

Event # 25354

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BEAVER VALLEY                 |            |           |            | Notification Date / Time: 04/04/1993 14:11 (EDT) |            |   |
| Unit: 1                             |            | Region: 1 |            | State : PA                                       |            | Event Date / Time: 04/04/1993 13:50 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |            |           |            | Last Modification: 04/04/1993                    |            |   |
| Containment Type: DRY SUB           |            |           |            |  |            |   |
| NRC Notified by: RUSS GUMBERT       |            |           |            | Notifications: DONALD HAVERKAMP RDO              |            |   |
| HQ Ops Officer: WILLIAM HUFFMAN     |            |           |            | CECIL THOMAS EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | LOUZONOUS FEMA                                   |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

## TRANSPORTATION OF CONTAMINATED INJURED PERSON TO HOSPITAL.

LICENSEE DECLARED AN UNUSUAL EVENT BASED ON A CONTAMINATED INJURED PERSON BEING TRANSPORTED OFFSITE TO THE BEAVER COUNTY MEDICAL CENTER. THE INJURED PERSON WAS A LOCAL PIPE FITTER SUBCONTRACTOR TO BECHTEL EMPLOYED FOR THE REFUELING OUTAGE. THE INJURY OCCURRED WHEN A PIECE OF SUPPORT ANGLE FELL AND STRUCK THE PERSON ON THE HEAD. THE INJURED PERSON WAS CONSCIOUS AND HAD GOOD VITAL SIGNS BUT WAS BLEEDING FROM THE TOP OF HIS HEAD.

THE INJURED PERSON WAS REMOVED FROM HIS ANTI-C'S AND WRAPPED IN A BLANKET AND POLY PRIOR TO TRANSPORT IN THE AMBULANCE. LICENSEE REPORTS THAT BASED ON SURVEYS OF THE OBJECT THAT HIT HIM AND AREA CONTAMINATION LEVELS, THAT HE COULD BE CONTAMINATED UP TO APPROXIMATELY 200 CPM BETA-GAMMA. THE INJURED PERSON IS BEING ACCOMPANIED BY TWO DUQUESNE LIGHT COMPANY RADIATION CONTROL SUPERVISORS EN ROUTE TO THE HOSPITAL.

LICENSEE NOTES THAT THE SUPPORT ANGLE WHICH FELL IS BELIEVED TO HAVE BEEN PART OF A JIB CRANE MECHANICAL STOP. THE INJURED INDIVIDUAL WAS NOT WEARING A HARD HAT BUT WAS NOT REQUIRED TO IN CONTAINMENT.

STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR HAVE BEEN NOTIFIED.

\*\*\* UPDATE FROM LICENSEE:GUMBERT TO NRC:HUFFMAN ON 3/4/93 AT 1444 EDT \*\*\*

THE UE WAS TERMINATED AT 1437 EDT BASED ON CUSTODY OF AND RESPONSIBILITY FOR THE INJURED INDIVIDUAL BEING TRANSFERRED TO THE HOSPITAL. NO CONTAMINATION HAS BEEN FOUND ON THE INDIVIDUAL. INVESTIGATION INTO THE CAUSE OF THE ACCIDENT IS IN PROGRESS AT THE PLANT. R1DO(HAVERKAMP), EO(THOMAS), AND FEMA( LOUZONOUS) INFORMED.

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Power Reactor

Event # 25377

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CRYSTAL RIVER               |           | Notification Date / Time: 04/08/1993 19:18 (EDT) |   |
| Unit: 3                           | Region: 2 | State : FL                                       | Event Date / Time: 04/08/1993 18:04 (EDT) |
| Reactor Type: [3] B&W-L-LP        |           | Last Modification: 04/08/1993                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: DAVID FIELDS     |           | Notifications: KENNETH BARR RDO                  |   |
| HQ Ops Officer: STEVE SANDIN      |           | JOSE CALVO EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | BERNICE CARR FEMA                                |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNIT 3 DECLARED AN UNUSUAL EVENT AFTER LOSING OFFSITE POWER.

OFFSITE POWER FROM THE 500KV SWITCHYARD BACKFEED TO THE UNIT 3 AUXILIARY TRANSFORMER "MTTR2" WAS LOST AT 1804EDT FOR REASONS UNKNOWN CAUSING A LOSS OF DECAY HEAT REMOVAL (DHR) COOLING. THE "B" EDG AUTOSTARTED AND LOADED AS EXPECTED. DHR COOLING WAS RESTORED IN 5 MINUTES WITH RCS TEMPERATURE INCREASING FROM 85F TO 87F AS MEASURED AT THE DHR COOLER INLET. AT THE TIME OF THE POWER LOSS, MAINTENANCE WORK WAS IN PROGRESS TO REPLACE THE PILOT CELL IN THE BATTERY WHICH SUPPLIES DC CONTROL POWER TO OPERATE THE 500KV SWITCHYARD BREAKERS. AN ALTERNATE SOURCE OF OFFSITE POWER IS AVAILABLE FROM THE 230KV SWITCHYARD THROUGH THE NORMAL OFFSITE POWER TRANSFORMER "MTTR9", HOWEVER, THE LICENSEE WILL MAINTAIN LOADS ON THE "B" EDG UNTIL THE PROBLEM WITH THE STANDING TRIPS ON THE 500KV SWITCHYARD BREAKERS IS RESOLVED AND CORRECTED. AT THAT TIME OFFSITE POWER WILL BE RESTORED FROM THE 500KV SWITCHYARD AND THE UE TERMINATED. "A" TRAIN ENGINEERED SAFEGUARDS BUS IS OUT-OF-SERVICE FOR MAINTENANCE WITH ALL "B" TRAIN ES EQUIPMENT AVAILABLE. THE LICENSEE INFORMED THE STATE OF FLORIDA, CITRUS AND LEVI COUNTIES AND THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS EXPECTED.

HOONOTE: THE DOT NATIONAL RESPONSE CENTER (RPT #166526) NOTIFIED THE NRC OPERATIONS CENTER THAT THEY HAD RECEIVED A CALL FROM A CONCERNED CITIZEN WHO REPORTED HEARING ALARMS SOUNDING AT THE NUCLEAR POWER PLANT. THE DOT NRC NOTIFIED FEMA, DOE, EPA OFFICE OF AIR AND RADIATION AND EPA IV.

\*\*\* UPDATE 2110EDT 4/8/93 FROM FIELDS BY S.SANDIN \*\*\*

LICENSEE CLARIFIED THAT ALTHOUGH OFFSITE POWER WAS LOST AT 1804EDT, THE DECLARATION OF UNUSUAL EVENT WAS NOT MADE UNTIL 1855EDT. OFFSITE POWER HAS BEEN RESTORED FROM THE 500KV SWITCHYARD WITH THE "B" EDG SECURED AND RETURNED TO STANDBY CONDITION. THE UE WAS EXITED AT 2045EDT. THE LICENSEE INFORMED OFFSITE AGENCIES AND THE NRC RESIDENT

Power Reactor

Event # 25377

INSPECTOR. IN REFERENCE TO THE ALARMS SOUNDING, THE LICENSEE NOTED THAT ALTHOUGH THE COASTAL EMERGENCY SIRENS WERE INSTALLED BY THE UTILITY, THE COUNTY OWNS AND OPERATES THEM TO WARN LOCAL RESIDENTS OF APPROACHING STORMS FOR EVACUATIONS. NOTIFIED R2DO(BARR), EO(CALVO), AND FEMA(CALDWELL).

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Power Reactor

Event # 25411

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: VOGTLE                        |           | Notification Date / Time: 04/18/1993 08:36 (EDT) |   |
| Unit: 1                             | Region: 2 | State : GA                                       | Event Date / Time: 04/18/1993 07:56 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 04/18/1993                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: STUHANN            |           | Notifications: BILL CLINE RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON      |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT      |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 50.72(b)(1)(iv) ECCS INJECTION      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

PERSONNEL ERROR DURING SSPS SLAVE RELAY TESTING INITIATED ECCS DISCHARGE INTO REACTOR COOLANT SYSTEM (RCS) FOR SEVERAL MINUTES. PRESSURIZER WAS SOLID AT THE TIME WHEN CCP-A DISCHARGED INTO THE RCS. RCS OVERPRESSURE PROTECTION IN SERVICE AT THIS TIME IS RHR SUCTION RELIEF VALVES (BOTH LOOPS OF RHR IN SERVICE). LTOP IS OUT OF SERVICE FOR WORK ON PRESSURIZER PORV VALVES.

LICENSEE WAS REPERFORMING SSPS SLAVE RELAY TESTING ON TWO VALVES WHICH HAD NOT PREVIOUSLY ACTUATED DURING EARLIER ESFAS TESTING. PRESSURIZER SI BLOCK PERMISSIVE, P-11 (PZR PRESSURE < 2000psig) HAD 2 OF 3 CHANNELS TRIPPED (ONE CHANNEL WAS TRIPPED FOR WORK ON "1BY1B" (120VAC VITAL INSTRUMENT POWER SUPPLY FOR SSPS "B") & CHANNEL 1 OF P-11 WAS TRIPPED FOR MAINTENANCE)). WHEN SSPS "A" WAS TAKEN OUT OF TEST FOR THE ABOVE MENTIONED SLAVE RELAY TEST IT SAW THAT P-11 WAS AVAILABLE AND IT CLEARED LOW PZR PRESSURE & LOW STEAM LINE SI BLOCKS AND SAW THAT THE LOW PZR SI SIGNAL & LOW STEAM LINE PRESSURE WERE PRESENT (PLANT IS IN COLD SHUTDOWN CONDITION - LOW PLANT PRESSURE). THIS CONDITION ACTUATED CENTRIFUGAL CHARGING PUMP "A" AND STARTED EDG "A" (TRAIN "B" OUT OF SERVICE SINCE "1BY1B" OUT OF SERVICE). RCS WAS SOLID WHEN CCP-A STARTED AND CCP-A DISCHARGED SEVERAL HUNDREDS GALLONS INTO THE RCS. LTOP PZR PORV VALVES WERE OUT OF SERVICE FOR MAINTENANCE AND LICENSEE WAS USING BOTH RHR LOOP SUCTION RELIEF VALVES (RV) FOR RCS OVERPRESSURE PROTECTION (SETPOINT OF RVs IS 450 psi). ONE RHR SUCTION RELIEF VALVE CAN HANDLE DISCHARGE OF ONE CCP (RHR RVs DISCHARGE TO PRT, LICENSEE DID NOT KNOW HOW MANY GALLONS OF RCS WENT INTO PRT BECAUSE THEY HAVE BEEN FILLING/VENTING THE RCS AND SWEEPING THE RCS WITH THEIR RCPs). LICENSEE SAW RCS PRESSURE SPIKE (DID NOT KNOW HOW HIGH RCS PRESSURE INCREASED) AND THEN RCS PRESSURE DECREASED AND REMAINED AT 400 psi WHILE CCP-A CHARGED INTO TO THE RCS. LICENSEE SAID THAT CCP-A OPERATED SEVERAL MINUTES (< 10 MINUTES) BEFORE CCP-A WAS SECURED AND SSPS "A" WAS PLACED IN TEST POSITION. LICENSEE SAID THAT BRITTLE FRACTURE LIMIT FOR RCS WAS NOT EXCEEDED. EDG "A" WAS SECURED AFTER OPERATING UNLOADED FOR 11 MINUTES. EDG "B" DID NOT START BECAUSE VITAL INSTRUMENT POWER SUPPLY "1BY1B" WAS

Power Reactor

Event # 25411

TAGGED OUT AS PREVIOUSLY MENTIONED. LICENSEE DID NOT KNOW IF AFW STARTED WHEN LOW STEAM LINE PRESSURE BECAME UNBLOCKED (WILL CALL BACK IF AFW STARTED). LICENSEE SAID THAT WHEN EDG "A" STARTED THEY DID NOT RECEIVE "A" TRAIN EDG ANNUNCIATOR SOUND. LICENSEE IS INVESTIGATING THE PERSONNEL ERROR WHICH CAUSED ECCS INJECTION INTO THE RCS AND WHY EDG ANNUNCIATOR DID NOT SOUND. UNUSUAL EVENT WAS TERMINATED AT 0828 EDT. (LICENSEE SUSPECTS A BLOWN FUSE) WHEN EDG "A" STARTED. LICENSEE SAID THAT THEY DID NOT LOSE RHR COOLING TO PLANT DURING THIS EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

\*\*\*UPDATE @ 1110 EDT 04/18/93 BY MACKINNON\*\*\*

LICENSEE SAID THAT AFW PUMPS DID NOT START BECAUSE THEIR SWITCHES IN CONTROL ROOM WERE IN THE PULL TO LOCK POSITION.

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Power Reactor

Event # 25448

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 04/26/1993 19:25 (EDT) |            |   |
| Unit: 1                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 04/26/1993 18:30 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 04/26/1993                    |            |   |
| Containment Type: MARK I                 |            |           |            |  |            |   |
| NRC Notified by: THIERLING & ZITKA       |            |           |            | Notifications: ROBERT BORES RDO                  |            |   |
| HQ Ops Officer: RUDY KARSCH              |            |           |            | GARY HOLAHAN EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT           |            |           |            | JOE LOUZONIS FEMA                                |            |   |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |           |            |  |            |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION     |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1  | N          | Yes       | 100        | Power Operation                                  | 78         | Power Operation                           |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN.

SIX PRIMARY CONTAINMENT PURGE AND VENT VALVES TESTED AS A GROUP FOR AN LLRT SURVEILLANCE FAILED TO MEET THE LEAKAGE CRITERION OF TECH SPEC 3.7.A.3. THE TECH SPEC LEAKAGE LIMIT IS 18.8 SCFH. THE ACTUAL OBSERVED LEAKAGE WAS 181.74 SCFH. THE LICENSEE WILL ATTEMPT TO CORRECT THE PROBLEM BY ADJUSTING THE STROKE OF THE VALVES. HOWEVER, BEFORE THIS CAN BE COMPLETED THE PLANT SHOULD REACH COLD SHUTDOWN AND EXIT THE UNUSUAL EVENT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, THE STATE OF CONNECTICUT, LOCAL GOVERNMENT, AND A PRESS RELEASE.

\*\*\*UPDATE 04/27/93 0632EDT FROM:CALVIN ACKLEY BY:SCARFO/WATKINS\*\*\*

TERMINATED UNUSUAL EVENT AT 06:35 EDT WHEN COLD SHUTDOWN WAS ACHIEVED. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO (BORES), EO(HOLOHAN) AND FEMA (BAGWELL).

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Power Reactor

Event # 25449

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PALISADES                   |           | Notification Date / Time: 04/27/1993 04:43 (EDT) |   |
| Unit: 1                           | Region: 3 | State : MI                                       | Event Date / Time: 04/27/1993 04:28 (EDT) |
| Reactor Type: [1] CE              |           | Last Modification: 04/27/1993                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: DALE TIMMER      |           | Notifications: ROY CANIANO RDO                   |   |
| HQ Ops Officer: GREG SCARFO       |           | GARY HOLAHAN EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES BAGWELL FEMA                             |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

A LOSS OF EMERGENCY ONSITE POWER OCCURRED WHEN BOTH EDG'S WERE DECLARED INOPERABLE FOR 5 MINUTES.

IN PREPARATION FOR PREVENTATIVE MAINTENANCE ON EMERGENCY DIESEL GENERATOR (EDG) "1-2", EDG "1-1" WAS TESTED AND FAILED TO MAINTAIN LOAD. EDG "1-1" WAS DECLARED INOPERABLE. EDG "1-2" WAS TEST-STARTED AND PLACED IN PARALLEL WITH OFFSITE POWER, RENDERING EDG "1-2" INOPERABLE FOR APPROXIMATELY FIVE MINUTES. AT 0433EST, EDG "1-2" CAME OUT OF PARALLEL AND WAS DECLARED OPERABLE. TECHNICAL SPECIFICATION ACTION STATEMENT 3.0.3 WAS ENTERED FOR THE FIVE MINUTES THAT BOTH DIESELS WERE DECLARED INOPERABLE. OFFSITE POWER WAS MAINTAINED THROUGHOUT THIS EVENT.

VAN BUREN COUNTY AND THE STATE OF MICHIGAN WERE NOTIFIED. NRC RESIDENT INSPECTOR WAS NOT NOTIFIED.

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Power Reactor

Event # 25460

|  |                      |  |            |                 |            |                 |
|--|----------------------|--|------------|-----------------|------------|-----------------|
| Site: PALISADES                        |                      | Notification Date / Time: 04/28/1993 17:43 (EDT) |            |                 |            |                 |
| Unit: 1                                | Region: 3 State : MI | Event Date / Time: 04/28/1993 17:20 (EDT)        |            |                 |            |                 |
| Reactor Type: [1] CE                   |                      | Last Modification: 04/30/1993                    |            |                 |            |                 |
| Containment Type: DRY AMB              |                      |  |            |                 |            |                 |
| NRC Notified by: HUGH NIXON            |                      | Notifications: ROY CANIANO RDO                   |            |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH            |                      | FRANK CONGEL EO                                  |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |                      | BELCHER FEMA                                     |            |                 |            |                 |
| 10 CFR Section:                        |                      |  |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                      |  |            |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                      |  |            |                 |            |                 |
| Unit                                   | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N                    | Yes  | 100        | Power Operation | 100        | Power Operation |

REACTOR SHUTDOWN DUE TO UNIDENTIFIED PRIMARY COOLANT LEAK RATE GREATER THAN TECH SPEC.

TECH SPEC 3.1.5. REQUIRES SHUTDOWN IF UNIDENTIFIED LEAKAGE GREATER THAN 1.0 GPM (GALLONS PER MINUTE) PERSISTS FOR MORE THAN SIX HOURS. THE LICENSEE HAS MEASURED A LEAK RATE OF 1.15 GPM WHICH THEY HAVE BEEN UNABLE TO ISOLATE. THE PLANT IS STABLE AND WILL CONDUCT A NORMAL SHUTDOWN AT 24% PER HOUR. WHEN THE PLANT REACHES SHUTDOWN LICENSEE PERSONNEL WILL ENTER CONTAINMENT TO FIND THE CAUSE OF THE LEAK. THEY WILL EXIT THE UNUSUAL EVENT WHEN LEAKAGE FALLS BELOW 1.0 GPM. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE @ 02:55 ON 04/30/93 BY FITTON ENTERED BY SEBROSKY/WATKINS\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 02:35. PLANT IS IN COLD SHUTDOWN AND LEAKAGE (1.17 GPM) IS IDENTIFIED AS ORIGINATING FROM THE CONTROL ROD DRIVE MECHANISM (CRDM). A LEAKOFF LINE FROM A LEAKOFF COLLECTION CHAMBER ASSOCIATED WITH THE CRDM ACCOUNTS FOR THE 1.17 GPM OF PREVIOUSLY UNIDENTIFIED LEAKAGE. THE BASES FOR TERMINATING THE UE ARE

- 1) THE PLANT IS NOW IN COLD SHUTDOWN AS REQUIRED BY TECH SPECS, AND
- 2) THE LEAKAGE IS NOW IDENTIFIED AND THE TECH SPEC LIMIT OF 10 GPM FOR IDENTIFIED LEAKAGE HAS NOT BEEN EXCEEDED. LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R3DO (CANIANO), EO(CONGEL), AND FEMA (MOSTELLER).

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Power Reactor

Event # 25509

|                                |           |  |   |
|--------------------------------|-----------|--|---|
| Site: ROBINSON                 |           | Notification Date / Time: 05/12/1993 19:09 (EDT) |   |
| Unit: 2                        | Region: 2 | State : SC                                       | Event Date / Time: 05/12/1993 18:13 (EDT) |
| Reactor Type: [2] W-3-LP       |           | Last Modification: 05/13/1993                    |   |
| Containment Type: DRY AMB      |           |  |   |
| NRC Notified by: DAYTON        |           | Notifications: COLLINS                           | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD |           | ROE  | EO  |
| Emergency Class: UNUSUAL EVENT |           | EARL   | FEMA                                      |
| 10 CFR Section:                |           |  |   |
| 50.72(a)(1)(i)                 |           | EMERGENCY DECLARED<br>TECH SPEC LCO A/S          |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE ENTERED LCO ACTION STATEMENT TO BE IN HOT S/D WITHIN 12 HRS DUE TO IDENTIFIED RCS LEAKAGE GREATER THAN 10.0 GPM.

AT 1813, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO IDENTIFIED RCS LEAKAGE GREATER THAN 10.0 GPM.

THE MEASURED LEAKAGE WAS 11.2 GPM TO THE AUXILIARY BUILDING SUMP. THE SOURCE OF THE LEAKAGE IS UNKNOWN AND THEY ARE INVESTIGATING. THE LEAKAGE INITIALLY STARTED SUDDENLY FROM <.1 GPM TO 3.2 GPM AND THEN GRADUALLY UP TO 11.2 GPM. THE STACK RAD MONITOR READING WAS 350 COUNTS/MIN(ALARM SETPOINT IS  $7.17 \times 10^3$  COUNTS/MIN). TECHNICAL SPECIFICATION 3.1.5.1 ACTION STATEMENT WAS ENTERED WHEN UNIDENTIFIED LEAKAGE EXCEEDED 1 GPM. THE ACTION STATEMENT ALLOWS THE LICENSEE 12 HOURS TO IDENTIFY THE LEAKAGE BEFORE INITIATING A PLANT SHUTDOWN. EMERGENCY PROCEDURES WERE ENTERED WHEN RCS LEAKAGE EXCEEDED 10 GPM (THE T/S LIMIT ON IDENTIFIED LEAKAGE). THE RI WAS INFORMED ALONG WITH THE STATE AND LOCAL GOVERNMENTS.

\*\*\*UPDATE AT 20:40 BY REYNOLDS TO GOULD\*\*\* THEY REPORTED A GASEOUS RELEASE BELOW TS LIMITS. NOBLE GAS -  $4.4 \times 10^{-4}$  CI/SEC, IODINE - NONE, IODINE/NOBLE GAS RATIO - N/A. AT SITE BOUNDARY: WHOLE BODY DOSE RATE - <1 MILLIREM/HR, CHILD THYROID DOSE RATE - NONE, WHOLE BODY DOSE - <1 MILLIREM, CHILD THYROID DOSE - NONE. RELEASE IS ONGOING.

\*\*\*UPDATE AT 21:50 BY REYNOLDS TO GOULD\*\*\* THE RCS LEAKAGE IS STABLE BETWEEN 11 & 12 GPM. IF THE LEAK CANNOT BE ISOLATED BY 23:00 THE PLANT WILL INITIATE A SHUTDOWN. NOBLE GAS WENT FROM  $4.4 \times 10^{-4}$  TO  $4.6 \times 10^{-4}$ . NONE OF THE OTHER PARAMETERS HAVE CHANGED. R2DO(COLLINS) NOTIFIED.

\*\*\*UPDATE AT 22:41 BY REYNOLDS TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 22:36. THE LEAKAGE WAS REDUCED TO .08 GPM. THE SOURCE OF THE LEAKAGE WAS THE "A" CHARGING PUMP. POWER IS

Power Reactor Event # 25509  
STILL AT 100%. THE IDENTIFIED LEAKAGE T/S ACTION STATEMENT WAS NEVER ENTERED.

\*\*\*UPDATE 05/13/93 0408EDT FROM:BERRY BY:SCARFO\*\*\*

THE SOURCE OF THE LEAK WAS A RELIEF VALVE ON THE SUCTION OF THE SHUTDOWN CHARGING PUMP ("A") WHICH OPENED AT 10 PSIG INSTEAD OF ITS SETPOINT OF 75 PSIG. THE VALVE HAS BEEN REMOVED AND WILL BE REPLACED. R2DO(COLLINS) NOTIFIED.

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Power Reactor

Event # 25572

|   |           |  |   |
|---|-----------|--|---|
| Site: SOUTH TEXAS                       |           | Notification Date / Time: 05/26/1993 18:20 (EDT) |   |
| Unit: 2                                 | Region: 4 | State : TX                                       | Event Date / Time: 05/26/1993 17:02 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP     |           | Last Modification: 05/26/1993                    |   |
| Containment Type: DRY AMB               |           |  |   |
| NRC Notified by: SCOTT SIEBEN           |           | Notifications: THOMAS WESTERMAN RDO              |   |
| HQ Ops Officer: JOSEPH SEBROSKY         |           | BRIAN GRIMES EO                                  |   |
| Emergency Class: UNUSUAL EVENT          |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                         |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |           |  |   |
| 50.72(b)(1)(i)(B) DEVIATION FROM T SPEC |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

AN UNUSUAL EVENT WAS DECLARED DUE TO ALL THREE EMERGENCY DIESEL GENERATORS BEING INOPERABLE. THE REACTOR IS CURRENTLY DEFUELED.

TWO OF THE THREE DIESEL GENERATORS (#21 AND #23) ARE INOPERABLE DUE TO MAINTENANCE BEING PERFORMED ON THEM. THE THIRD DIESEL GENERATOR (#22) IS INOPERABLE DUE TO THE ESSENTIAL COOLING WATER (ECW) SYSTEM FOR THE DIESEL BEING DECLARED INOPERABLE. THE ECW SYSTEM FOR THE #22 DIESEL GENERATOR WAS DETERMINED TO BE INOPERABLE DUE TO A DAMAGED DRIVE FLEX COUPLING ON THE #2B ECW TRAVELING SCREEN.

ECW IS CURRENTLY SUPPLYING WATER TO LOADS WITHOUT THE TRAVELING SCREEN OPERATING. THE LICENSEE STATES THAT THE COOLING POND USED TO SUPPLY THE ECW SYSTEM IS CLEAN AND THERE IS NOTHING IN THE POND THAT WOULD LEAD THE LICENSEE TO BELIEVE THAT THERE WOULD BE ANY PROBLEMS WITH THE SCREEN CLOGGING OR BEING DAMAGED. THE LICENSEE THEREFORE CONSIDERS THE #22 DIESEL GENERATOR TO BE FUNCTIONAL ALTHOUGH IT DOES NOT MEET OPERABILITY REQUIREMENTS.

THE GRID IS STABLE AND THE WEATHER IS CLEAR IN THE AREA. THE BASIS FOR THE TERMINATION OF THE UNUSUAL EVENT WILL BE THE REPAIR OF THE #2B ECW TRAVELING SCREEN.

THE LICENSEE HAS NOTIFIED THE TEXAS DEPARTMENT OF PUBLIC SAFETY, AND THE LOCAL SHERIFF'S DEPARTMENT. THE LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR.

\*\*\* UPDATE AT 23:05 5/26/93 FROM CORRICK TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 22:04 (CT) BASED ON COMPLETION OF REPAIRS TO THE DRIVE FLEX COUPLING OF THE #2B ECW TRAVELING SCREEN. THE ECW SYSTEM FOR THE #22 DIESEL GENERATOR HAS BEEN DECLARED OPERABLE.

THE LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS. HOO

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Power Reactor  
NOTIFIED R4DO(WESTERMAN), EO(GRIMES), AND FEMA(AUSTIN).

Event # 25572

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Power Reactor

Event # 25581

|  |            |            |            |  |            |                 |
|--|------------|------------|------------|--|------------|-----------------|
| Site: BROWNS FERRY                       |            |            |            | Notification Date / Time: 05/27/1993 23:36 (EDT) |            |                 |
| Unit: 2                                  | Region: 2  | State : AL |            | Event Date / Time: 05/27/1993 22:25 (CDT)        |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4,[3] GE-4 |            |            |            | Last Modification: 05/28/1993                    |            |                 |
| Containment Type: MARK I                 |            |            |            |  |            |                 |
| NRC Notified by: LAMB                    |            |            |            | Notifications: JAPE                              |            | RDO             |
| HQ Ops Officer: CHAUNCEY GOULD           |            |            |            | GRIMES   |            | EO              |
| Emergency Class: UNUSUAL EVENT           |            |            |            | STINEDURF  |            | FEMA            |
| 10 CFR Section:                          |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |            |            |  |            |                 |
| TECH SPEC LCO A/S                        |            |            |            |  |            |                 |
| Unit                                     | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2  | N          | Yes        | 10         | Startup  | 9          | Startup         |

THE LICENSEE ENTERED AN LCO ACTION STATEMENT TO BE IN HOT S/D WITHIN 24 HRS DUE TO THE FAILURE OF THE #2 SEAL ON THE "2A" RECIRC PUMP.

THE PLANT ENTERED THE LCO ACTION STATEMENT AT 20:16 WHEN THE #2 SEAL FAILED ON THE "2A" RECIRC PUMP. THE PLANT DECLARED THE NOUE WHEN THEY COMMENCED SHUTDOWN AT 22:25. ALL EMERGENCY SYSTEMS ARE OPERABLE AND THEY WILL GO TO COLD S/D TO REPLACE SEAL. THE RI WAS INFORMED AND THE STATE AND LOCAL WILL BE INFORMED.

\*\*\* UPDATE FROM LICENSEE:IRWIN TO NRC:HUFFMAN AT 0245 EDT ON 5/28/93 \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0140 CDT ON 5/28/93 WHEN THE PLANT REACHED HOT SHUTDOWN CONDITION. LICENSEE WILL CONTINUE TO COOLDOWN AND DEPRESSURIZE IN PREPARATION FOR SEAL REPLACEMENT. THE RECIRC PUMP HAS BEEN ISOLATED AND THERE IS CURRENTLY NO LEAKAGE FROM THE FAILED SEAL. LEAKAGE PRIOR TO PUMP ISOLATION WAS ESTIMATED AT BETWEEN 3 TO 5 GPM. THE NRC RESIDENT HAS BEEN NOTIFIED. R2DO(JAPE); EO (GRIMES); AND FEMA(STINEDURF) HAVE BEEN INFORMED.

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Power Reactor

Event # 25589

|                                   |            |           |            |  |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Site: SAINT LUCIE                 |            |           |            | Notification Date / Time: 05/30/1993 11:16 (EDT) |            |                 |
| Unit: 1                           |            | Region: 2 | State : FL | Event Date / Time: 05/30/1993 10:49 (EDT)        |            |                 |
| Reactor Type: [1] CE,[2] CE       |            |           |            | Last Modification: 05/30/1993                    |            |                 |
| Containment Type:                 |            |           |            |  |            |                 |
| NRC Notified by: MIKE WACHTEL     |            |           |            | Notifications: FRANCIS JAPE RDO                  |            |                 |
| HQ Ops Officer: RUDY KARSCH       |            |           |            | BRIAN GRIMES EO                                  |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |           |            | LOUZONIS FEMA                                    |            |                 |
| 10 CFR Section:                   |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| TECH SPEC LCO A/S                 |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                 | N          | Yes       | 0          | Startup  | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED DUE TO AN UNLATCHED CONTROL ELEMENT ASSEMBLY (CEA) WHICH COULD NOT BE RAISED FROM THE BOTTOM OF THE CORE.

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1049 EDT UNDER THEIR EMERGENCY PLAN DUE TO A TECH SPEC REQUIRED SHUTDOWN. THEIR INABILITY TO RECOVER AN UNLATCHED CEA REQUIRES REACTOR SHUTDOWN PER TECH SPEC 3.1.3.1. THE REACTOR WAS SHUT DOWN BY DRIVING CONTROL RODS IN AND EMERGENCY BORATION.

THE UNUSUAL EVENT WAS TERMINATED AT 1058 EDT WHEN THE REACTOR WAS SHUTDOWN GREATER THAN 1000 PCM. THE LICENSEE WILL PROCEED TO MODE 5 FOR THEIR ROOT CAUSE INVESTIGATION WHICH WILL REQUIRE REMOVAL OF THE REACTOR HEAD.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, THE STATE OF FLORIDA, AND THE TWO LOCAL COUNTIES (ST LUCIE AND MARTIN).

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Power Reactor

Event # 25615

|                                |                     |  |   |                 |            |                 |
|--------------------------------|---------------------|--|---|-----------------|------------|-----------------|
| Site: PERRY                    |                     | Notification Date / Time: 06/07/1993 04:44 (EDT) |   |                 |            |                 |
| Unit: 1                        | Region: 3           | State : OH                                       | Event Date / Time: 06/07/1993 04:30 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-6         |                     | Last Modification: 06/07/1993                    |   |                 |            |                 |
| Containment Type: MARK III     |                     |  |   |                 |            |                 |
| NRC Notified by: MEKULSIA      |                     | Notifications: CANIANO                           | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD |                     | MARSH  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT |                     | LOUZONIS   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                |                     |  |   |                 |            |                 |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED  |  |   |                 |            |                 |
| 50.72(b)(2)(iii)(D)            | ACCIDENT MITIGATION |  |   |                 |            |                 |
|                                | TECH SPEC LCO A/S   |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                | ESF ACTUATION       |  |   |                 |            |                 |
| Unit                           | Scram Code          | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                              | N                   | Yes  | 80  | Power Operation | 80         | Power Operation |

THE PLANT HAD HPCS INJECTION (10 SEC TO 1 MIN) AND DECLARED HPCS INOPERABLE ENTERING A 14 DAY LCO ACTION STATEMENT.

THIS OCCURRED WHEN THEY HAD LOSS OF THE DIV 3 DC RESERVE BATTERY CHARGER AND THAT RESULTED IN A DIV 3 POWER FAILURE. THIS CAUSED A HPCS INJECTION SIGNAL (ESF ACTUATION) DUE TO THE INSTRUMENTATION RECEIVING VOLTAGE OSCILLATIONS. UPON VERIFYING THAT THE INJECTION SIGNAL WAS AN INVALID SIGNAL, HPCS WAS SECURED AND THE NOUE WAS TERMINATED AT 04:30. HPCS WAS THEN DECLARED INOPERABLE AND THE PLANT ENTERED A 14 DAY LCO ACTION STATEMENT. THEY ARE INVESTIGATING THE CAUSE OF THE FAILURE OF THE BATTERY CHARGER. THE RI WAS INFORMED ALONG WITH THE STATE AND LOCAL AGENCIES.

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Power Reactor

Event # 25620

|                                       |            |           |            |  |            |   |
|---------------------------------------|------------|-----------|------------|--|------------|---|
| Site: LACROSSE                        |            |           |            | Notification Date / Time: 06/08/1993 14:14 (EDT) |            |   |
| Unit: 1                               |            | Region: 3 |            | State : WI                                       |            | Event Date / Time: 06/08/1993 13:05 (CDT) |
| Reactor Type: [1] AC (ALLIS CHAMBERS) |            |           |            | Last Modification: 06/08/1993                    |            |   |
| Containment Type:                     |            |           |            |  |            |   |
| NRC Notified by: COTA                 |            |           |            | Notifications: ROBERT HASSE RDO                  |            |   |
| HQ Ops Officer: GREG SCARFO           |            |           |            | GRIMES EO  |            |   |
| Emergency Class: UNUSUAL EVENT        |            |           |            | WITSBERGER FEMA                                  |            |   |
| 10 CFR Section:                       |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |           |            |  |            |   |
| Unit                                  | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                     | N          | No        | 0          | Decommissioned                                   | 0          | Decommissioned                            |

AN UNUSUAL EVENT WAS DECLARED AT 1305CDT DUE TO POTENTIAL TORNADO CONDITIONS WITHIN THE OWNER-CONTROLLED AREA. NO TORNADOES HAVE LANDED AND NO DAMAGE TO PLANT SYSTEMS IS REPORTED.

AT 1305CDT, AN UNUSUAL EVENT WAS (UE) DECLARED WHEN FUNNEL CLOUDS WERE SITED WITHIN THE OWNER-CONTROLLED AREA. NO TORNADOES HAVE TOUCHED DOWN AND NO DAMAGE IS REPORTED DUE TO THE HIGH WIND CONDITIONS AT THE SITE. ALL PLANT SYSTEMS ARE FULLY OPERABLE AND FUNCTIONING.

THE CRITERIA FOR TERMINATING THE UE IS AT THE TERMINATION OF THE TORNADO WATCH. THE WISCONSIN DEPARTMENT OF EMERGENCY SERVICES AND THE VERNON COUNTY SHERIFF WERE NOTIFIED. A PRESS RELEASE WILL BE ISSUED.

\*\*\*UPDATE 06/08/93 1450EDT FROM:COTA BY:SCARFO\*\*\*

THE LICENSEE TERMINATED THE UE AT 1345CDT WHEN THE TORNADO WATCH WAS TERMINATED. STATE AND LOCAL AUTHORITIES WERE NOTIFIED. R3DO(HASSE), EO(CHAFFEE), FEMA(BELCHER) NOTIFIED.

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Power Reactor

Event # 25622

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HATCH                       |            | Notification Date / Time: 06/08/1993 22:40 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 2  | State : GA                                       | Event Date / Time: 06/08/1993 22:00 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 06/08/1993                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: EDWEN URQUHART   |            | Notifications: JEROME BLAKE RDO                  |   |                 |            |                 |
| HQ Ops Officer: JOSEPH SEBROSKY   |            | JOHN ZWOLINSKI EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | SHULL FEMA                                       |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO AN INJURED CONTAMINATED INDIVIDUAL BEING TRANSPORTED OFFSITE.

THE INDIVIDUAL WAS WORKING ON THE REFUELING FLOOR SUPPORTING A CLEANUP CAMPAIGN OF ITEMS IN THE REFUELING POOL. THE INDIVIDUAL HIT A REFUELING TOOL WITH A HAMMER AND A SLIVER OF THE TOOL BROKE OFF AND IMBEDDED IN THE INDIVIDUAL'S FINGER. THE SLIVER WAS UNABLE TO BE REMOVED ONSITE SO THE INDIVIDUAL WAS TRANSPORTED OFFSITE TO MEMORIAL HOSPITAL IN VIDALIA GEORGIA.

HEALTH PHYSICISTS ACCOMPANIED THE INDIVIDUAL OFFSITE. THE METAL SLIVER WAS READING 70,000 DPM. THE LICENSEE CONSIDERS ANYTHING ABOVE 1000 DPM CONTAMINATED.

THE LICENSEE NOTIFIED STATE AND LOCAL AGENCIES IN ACCORDANCE WITH THEIR EMERGENCY PLAN. THE LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR. THE LICENSEE DOES NOT EXPECT TO ISSUE A PRESS RELEASE.

\*\*\* UPDATE 23:55 6/8/93 FROM URQUHART TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 23:20 DUE TO THE INDIVIDUAL BEING DECONTAMINATED. THE LICENSEE HAS NOTIFIED THE RESIDENT INSPECTOR AND STATE AND LOCAL AGENCIES. HOO NOTIFIED R2DO(BLAKE), EO(ZWOLINSKI), AND FEMA(LOUZONIS).

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Power Reactor

Event # 25628

|   |            |           |            |  |            |   |
|---|------------|-----------|------------|--|------------|---|
| Site: QUAD CITIES                         |            |           |            | Notification Date / Time: 06/09/1993 10:50 (EDT) |            |   |
| Unit: 1                                   |            | Region: 3 |            | State : IL                                       |            | Event Date / Time: 06/09/1993 09:18 (CDT) |
| Reactor Type: [1] GE-3,[2] GE-3           |            |           |            | Last Modification: 06/09/1993                    |            |   |
| Containment Type: MARK I                  |            |           |            |  |            |   |
| NRC Notified by: RAY VENCI                |            |           |            | Notifications: ROBERT HASSE RDO                  |            |   |
| HQ Ops Officer: WILLIAM HUFFMAN           |            |           |            | JOHN ZWOLINSKI EO                                |            |   |
| Emergency Class: UNUSUAL EVENT            |            |           |            | BELCHER FEMA                                     |            |   |
| 10 CFR Section:                           |            |           |            | GIITTER/JORDAN AEOD                              |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED         |            |           |            |  |            |   |
| 50.72(b)(2)(iii)(A) POT UNABLE TO SAFE SD |            |           |            |  |            |   |
| Unit                                      | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

HIGH PRESSURE COOLANT INJECTION (HPCI) STEAM TURBINE EXHAUST LINE RUPTURE DISK BLEW INJURING FIVE PLANT EMPLOYEES.

DURING ROUTINE MONTHLY SURVEILLANCE TESTING OF THE HPCI STEAM TURBINE, THE EXHAUST STEAM LINE RUPTURE DISK BLEW RELEASING STEAM INTO THE HPCI ROOM. THE LICENSEE INITIALLY REPORTED THAT THERE WERE FOUR PEOPLE IN THE HPCI ROOM WHO WERE INJURED AND BURNED BY THE RELEASED STEAM. TWO OF THOSE INDIVIDUALS WERE ALSO CONTAMINATED.

THE HPCI TURBINE WAS IMMEDIATELY ISOLATED BY CONTROL ROOM PERSONNEL (IT MAY HAVE AUTOMATICALLY ISOLATED ON HIGH ROOM TEMPERATURE FIRST). THE INJURED INDIVIDUALS WERE ABLE TO LEAVE THE ROOM ON THEIR OWN. THEY WERE TRANSPORTED TO LOCAL AREA HOSPITALS (ILLINI HOSPITAL IN MOLINE AND TRINITY HOSPITAL IN ROCK ISLAND). BECAUSE TWO OF THE INDIVIDUALS WERE CONTAMINATED AND TRANSPORTED OFFSITE, AN UNUSUAL EVENT WAS DECLARED PER THE LICENSEE'S EMERGENCY CLASSIFICATIONS. TERMINATION CRITERIA OF THE UE WILL BE BASED ON LICENSEE STAFF JUDGMENT.

THE CAUSE OF THE BLOWN RUPTURE DISK IS CURRENTLY UNDER INVESTIGATION. THE HPCI TURBINE HAS BEEN RUN WITHIN THE LAST MONTH WITHOUT ANY PROBLEMS AND NO MAINTENANCE WORK OR REPAIRS HAS BEEN PERFORMED ON THE SYSTEM SINCE THAT TIME. THE RUPTURE DISK IS SIZED TO BLOW AT 150 PSI.

LICENSEE STATES THAT THE FORCE OF THE STEAM RELEASED FROM THE RUPTURE ALSO BLEW OPEN THE SECONDARY CONTAINMENT DOORS WHICH ACCESS THE HPCI ROOM. THIS COMPROMISED SECONDARY CONTAINMENT UNTIL THE DOORS WERE SECURED. THE DOORS WERE PROBABLY DAMAGED BUT THE LICENSEE CONSIDERS THAT SECONDARY CONTAINMENT IS ESTABLISHED. THE LICENSEE HAS DECLARED HPCI INOPERABLE AND IS IN A 14 DAY TECH SPEC LCO TO REPAIR THE SYSTEM. RCIC IS OPERABLE.

Power Reactor  
THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED.

Event # 25628

HOO NOTE: A SUBSEQUENT REPORT BY THE LICENSEE INDICATES THAT FIVE PEOPLE MAY HAVE BEEN INJURED INSTEAD OF FOUR. THE DETAILS OR EXTENT OF THE INJURY TO THE FIFTH PERSON WERE NOT KNOWN.

\*\*\*UPDATE BY OSELAND 06/09/93 @ 1325 EDT TAKEN BY MACKINNON\*\*\*

LICENSEE EXITED UNUSUAL EVENT AT 1159 CDT WHEN PERSONNEL TRANSPORTED TO HOSPITALS WERE DECONTAMINATED. FIVE PEOPLE WERE TRANSPORTED TO TWO OFFSITE HOSPITALS (ILLINI & TRINITY). LICENSEE DID NOT KNOW HOW MANY PEOPLE WERE TRANSPORTED TO EACH HOSPITAL. LICENSEE DID NOT KNOW THE EXTENT OF THE CONTAMINATION LEVELS OF THE PEOPLE TAKEN TO THE ABOVE MENTIONED HOSPITALS. LICENSEE SAID THAT THREE PEOPLE WERE TAKEN TO BURN UNITS AND THAT THE OTHER TWO PEOPLE (WHO WERE NOT BURNED) WOULD BE RELEASED FROM THE HOSPITAL SOMETIME TODAY OR MAYBE EARLY TOMORROW MORNING.

LICENSEE DID NOT KNOW WHAT CAUSED THE RUPTURE DISK TO RUPTURE AND THEY ARE STILL INVESTIGATING THIS PROBLEM. ALL THEIR ECCS SYSTEMS EXCEPT HPCI ARE FULLY OPERABLE AND ALL THEIR EDGs ARE FULLY OPERABLE IF NEEDED. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE UNUSUAL EVENT BEING TERMINATED. R3DO (HASSE), EO (CHAFFEE), & FEMA (WITSBERGER) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE OF THE UNUSUAL EVENT BEING TERMINATED.

\*\*\* UPDATE 6/9/93 AT 13:00 BY SEBROSKY \*\*\* COMMISSIONERS ASSISTANTS BRIEFING NOTIFICATIONS (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD(JORDAN), IRB(GITTER), COMM SELIN(LEACH), CURTISS(TRIMBLE), REMICK(GUTTMANN), ROGERS(KARMAN), de PLANQUE(MCKENNA), EDO REGION(GRANT), EO(CHAFFEE), RDO(HASSE), PAO(FOUCHARD), CAO(GERKE), SECY(\*), STATE(\*), IP(\*), BRIEFER(REGION 3 B. CLAYTON), OTHERS(REGION 3 ALLOWAY, SRI TAYLOR)

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Power Reactor

Event # 25633

|                                       |           |  |   |
|---------------------------------------|-----------|--|---|
| Site: CALVERT CLIFFS                  |           | Notification Date / Time: 06/10/1993 09:00 (EDT) |   |
| Unit: 1 2                             | Region: 1 | State : MD                                       | Event Date / Time: 06/10/1993 08:28 (EDT) |
| Reactor Type: [1] CE,[2] CE           |           | Last Modification: 06/10/1993                    |   |
| Containment Type: DRY AMB DRY AMB     |           |  |   |
| NRC Notified by: OATES/ALVATO/CHIZANO |           | Notifications: CONTE                             | RDO                                       |
| HQ Ops Officer: JOHN MacKINNON        |           | CHAFFEE  | EO  |
| Emergency Class: UNUSUAL EVENT        |           | SULLIVAN   | FEMA                                      |
| 10 CFR Section:                       |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |           |  |   |
| 50.72(b)(2)(ii) RPS ACTUATION         |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |
| 2    | A/R        | No      | 0          | Startup         | 0          | Hot Standby     |

PARTIAL LOSS OF OFFSITE POWER DURING TROUBLESHOOTING OF 500 KV (RED BUS) CAUSED REACTOR TRIPS ON UNITS 1 & 2. LICENSEE DECLARED UNUSUAL EVENT CLASSIFICATION AT 0850 EDT.

LICENSEE HAD A RELAY PROBLEM ON RED BUS AND THEY WERE IN THE PROCESS OF TESTING THE PROTECTIVE RELAY (THE COMMUNICATOR DID NOT KNOW WHICH RELAY THEY WERE TESTING AND WHAT WAS WRONG WITH THE RELAY) WHEN A FAULT ON RED BUS CAUSED REACTOR TRIP ON UNIT 1 DUE TO A LOSS OF ROD DRIVE MG SETS AND A REACTOR TRIP UNIT 2 ON LOW REACTOR COOLANT PUMP FLOW SIGNAL (LOSS OF NON-VITAL POWER TO THEIR NON-VITAL BUSES). ALL CONTROL RODS FOR BOTH UNITS FULLY INSERTED ON THE REACTOR TRIP SIGNALS.

UNIT 1 VITAL BUS # 11 (4KV) AND NON-VITAL BUSES (# 12 & 13) WERE SUPPLIED BY OFFSITE POWER SUPPLY (500 KV BLACK BUS) WHEN RED BUS WAS LOST. VITAL BUS # 14 (4KV) WAS SUPPLIED BY POWER FROM RED BUS, WHEN IT WAS LOST UNIT 1 EDG # 12 AUTOMATICALLY STARTED ON UNDERVOLTAGE SIGNAL AND LOADED ONTO AND SUPPLIED POWER TO # 14 VITAL BUS. LICENSEE SAID THAT THEY ARE USING THEIR STEAM GENERATOR ATMOSPHERIC VALVES (LOST STEAM SEALS FOR MAIN CONDENSER WHICH CAUSED A REDUCTION IN CONDENSER VACUUM) AND AUXILIARY FEEDWATER WATER PUMPS (THEY MANUALLY STARTED THE AUXILIARY FEEDWATER PUMPS) TO REMOVED DECAY HEAT FROM THE REACTOR COOLANT SYSTEM. LICENSEE SAID THAT STEAM GENERATOR SAFETY VALVES OPENED. NO PRESSURIZER PORV OR CODE SAFETY VALVES OPENED. LICENSEE ENTERED EOP-1 AND WILL EXIT UNUSUAL EVENT WHEN EOP-1 IS COMPLETED AND WHEN PROBLEM WITH RED BUS IS UNDERSTOOD/CORRECTED.

UNIT 2 VITAL BUS # 24 (4KV) AND NON-VITAL BUSES # 22 & 23 WERE RECEIVING POWER FROM THE RED BUS AND VITAL BUS # 21 (4KV) WAS POWERED FROM THE BLACK BUS. WHEN POWER WAS LOST TO VITAL BUS # 24 EDG # 21 AUTOMATICALLY STARTED ON UNDERVOLTAGE SIGNAL FROM BUS # 24. EDG # 21 IS SUPPLYING ELECTRICAL POWER TO VITAL BUS # 24. LICENSEE SAID THEY WERE JUST STARTING THE REACTOR UP (CONTROL RODS WERE PULLED TO THEIR CRITICAL POSITION AND

Power Reactor

Event # 25633

THEY WERE DILUTING BORON FROM THE RCS IN ORDER TO GO CRITICAL) WHEN POWER FROM RED BUS WAS LOST TO THEIR NON-VITAL BUSES. REACTOR TRIPPED ON LOSS OF REACTOR COOLANT PUMP SIGNAL. STEAM GENERATOR WATER LEVELS ARE REMAINING CONSTANT BECAUSE THEY HAVE LITTLE DECAY HEAT IN THE CORE. LICENSEE SAID THAT IF THEY NEED TO FEED THE STEAM GENERATORS THEY WILL USE THEIR MOTOR DRIVEN AUXILIARY FEEDWATER PUMP. LICENSEES MAIN CONCERN IS TO RESTORE POWER TO THEIR REACTOR COOLANT PUMPS SO THEY MAINTAIN PROPER RCS TEMPERATURE.

LICENSEE SAID THAT THEIR SWING EDG # 11 IS AVAILABLE AND IT WAS NOT USED BECAUSE THE VITAL BUSES IT CAN SUPPLY, UNIT 1 - VITAL BUS # 11 (4 KV) - AND UNIT 2 - VITAL BUS # 21 (4 KV) - DID NOT LOSE OFFSITE POWER SUPPLY BEING SUPPLIED BY THE BLACK BUS. LICENSEE SAID THAT ALL OTHER ECCS SYSTEMS FOR BOTH UNITS 1 & 2 ARE FULLY OPERABLE IF NEEDED.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*UPDATE 06/10/93 @ 1145 EDT BY ED CHIZANOWSKI TAKEN BY MACKINNON\*\*\*

LICENSEE SAID THAT UNIT 1 WAS MANUALLY TRIPPED (HAVE NOT INTERVIEWED THE OPERATOR TO FIND OUT WHY HE TRIPPED THE REACTOR) AND THEY THINK IT WAS TRIPPED IN ANTICIPATION OF AN AUTOMATIC REACTOR TRIP ON LOW STEAM GENERATOR WATER LEVEL DUE TO MAIN FEEDWATER PUMP CONTROL PROBLEMS RESULTING FROM THE LOST VITAL BUS.

UNIT 1 IS SUPPLYING POWER TO UNIT 2 VIA AN UNUSUAL ELECTRICAL POWER LINEUP USING BLACK POWER SUPPLY. EDG # 12 IS STILL SUPPLYING ELECTRICAL POWER TO VITAL BUS # 14 AND EDG # 21 IS STILL SUPPLYING ELECTRICAL POWER TO VITAL BUS # 24.

ALL FOUR REACTOR COOLANT PUMPS FOR UNIT 2 ARE OPERATING VIA POWER FROM BLACK POWER LINEUP FROM UNIT 1. R1DO (CONTE) NOTIFIED.

\*\*\*UPDATE 06/10/93 @ 1306 EDT BY ED CHIZANOWSKI TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1305 EDT WHEN BOTH UNITS RESTORED TO THEIR NORMAL ELECTRICAL LINEUP. LICENSEE WAS TESTING A PROTECTIVE RELAY ON RED BUS WHEN RED BUS POWER SUPPLY TO UNIT 1 & 2 WAS LOST.

LICENSEE STILL DOES NOT KNOW WHY MAIN FEEDWATER TO UNIT 1 WAS LOST WHEN RED BUS WAS LOSS. MAIN FEEDWATER CONTROL POWER COMES FROM 120 VAC (1Y09) INSTRUMENT BUS WHICH IS POWERED FROM 480 VOLT BUS WHICH RECEIVES ITS POWER SUPPLY FROM VITAL BUS # 11 WHICH REMAINED ENERGIZED (POWER FOR IT CAME FROM BLACK BUS). LICENSEE NOTIFIED STATE, LOCAL, & RESIDENT INSPECTOR THAT THE UNUSUAL EVENT FOR UNIT 1 & 2 WAS TERMINATED.

R1DO (CONTE), EO (CHAFFEE), FEMA (SULLIVAN) NOTIFIED.

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Power Reactor

Event # 25669

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: QUAD CITIES                 |            |           |            | Notification Date / Time: 06/18/1993 22:15 (EDT) |            |   |
| Unit: 1                           |            | Region: 3 |            | State : IL                                       |            | Event Date / Time: 06/18/1993 21:05 (CDT) |
| Reactor Type: [1] GE-3,[2] GE-3   |            |           |            | Last Modification: 06/19/1993                    |            |   |
| Containment Type: MARK I          |            |           |            |  |            |   |
| NRC Notified by: SCHMIDT          |            |           |            | Notifications: SHEAR                             |            | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD    |            |           |            | VIRGILIO   |            | EO  |
| Emergency Class: UNUSUAL EVENT    |            |           |            | WRIGHT   |            | FEMA                                      |
| 10 CFR Section:                   |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| TECH SPEC LCO A/S                 |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | Yes       | 100        | Power Operation                                  | 95         | Power Operation                           |

ON 06/09/93 LICENSEE ENTERED TS 3.5.C.3 (HPCI - 14 DAY LCO ACTION STATEMENT) WHEN HPCI WAS DECLARED INOPERABLE WHEN ITS STEAM TURBINE EXHAUST LINE RUPTURE DISK BLEW OUT INJURING FIVE PLANT EMPLOYEES, SEE EVENT # 25628 FOR BACKGROUND INFORMATION.

THE PLANT WILL NOT BE ABLE TO RETURN HPCI BACK TO SERVICE WITHIN THE 14 DAY ACTION STATEMENT, SO THEY HAVE STARTED SHUTTING DOWN AT THE RATE OF 150 MWe/HR. LICENSEE WILL ENTER A COLD S/D CONDITION. HPCI IS INOPERABLE DUE TO THE FAILURE OF THE STEAM TURBINE EXHAUST LINE RUPTURE DISK. ALL OTHER SAFETY EQUIPMENT IS OPERABLE. THEY ESTIMATE THAT THEY WILL RESTART 06/28/93. THE RI WILL BE INFORMED AND STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\*UPDATE 06/19/93 0859 EDT BY SCHMIDT TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0755 CDT WHEN LICENSEE EXITED TECH SPEC 3.5.C.3 ACTION STATEMENT FOR HPCI WHEN REACTOR VESSEL STEAM DOME PRESSURE WAS REDUCED BELOW 150 psig. REACTOR IS SHUTDOWN AND LICENSEE SAID THAT THEY ARE NOT SCHEDULED FOR A REACTOR STARTUP UNTIL 06/29/93. R3DO (GARY SHEAR), EO (VIRGILIO), & FEMA (STINEDURF) NOTIFIED.

LICENSEE NOTIFIED STATE OFFICIALS, LOCAL OFFICIALS, & THE RESIDENT INSPECTOR THAT THEY HAD TERMINATED THEIR UNUSUAL EVENT CLASSIFICATION.

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Power Reactor

Event # 25670

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SEQUOYAH                      |           | Notification Date / Time: 06/19/1993 12:12 (EDT) |   |
| Unit: 1                             | Region: 2 | State : TN                                       | Event Date / Time: 06/19/1993 11:49 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 07/06/1993                    |   |
| Containment Type: ICE COND          |           |  |   |
| NRC Notified by: REEVES             |           | Notifications: CANTRELL                          | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD      |           | VIRGILIO   | EO  |
| Emergency Class: UNUSUAL EVENT      |           | STINEDURF  | FEMA                                      |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 11:49 BASED ON CONDITIONS WARRANTING AN INCREASED AWARENESS.

AT 10:55 FUEL MOVEMENT ON UNIT 1 WAS HALTED BECAUSE A ONCE BURNT FUEL ASSEMBLY BECAME DISENGAGED FROM THE MANIPULATOR CRANE AND RESTED TILTING AT A 40 DEGREE ANGLE WITH ITS BOTTOM SITTING ON THE LOWER CORE PLATE AND THE THE UPPER PART RESTING AGAINST THE CORE BAFFLE WALL INSIDE THE PRESSURE VESSEL HOUSING. THIS SITUATION OCCURRED WHILE THEY WERE MOVING THIS FUEL ASSEMBLY IN POSITION INSIDE THE VESSEL WITH THE MANIPULATOR CRANE. THEY HAVE NOT HAD ANY SIGNIFICANT RADIATION INCREASES AND THERE APPEARS TO BE NO DAMAGE TO THE ASSEMBLY. THEY ARE CURRENTLY IN THEIR ABNORMAL OPERATING INSTRUCTION #29 AND ARE IN THE PROCESS OF DETERMINING A PLAN OF ACTION TO FOLLOW THROUGH WITH. THEY DO NOT KNOW THE ROOT CAUSE OF THIS PROBLEM AND ARE INVESTIGATING. ALL OTHER SAFETY EQUIPMENT ARE OPERABLE. THE RI WILL BE INFORMED ALONG WITH STATE AND LOCAL AGENCIES.

\*\*\*UPDATE AT 17:54 BY CARROLL TO GOULD\*\*\*THEY HAVE DETERMINED THAT THE FUEL ASSEMBLY IS LEANING AT A 20 DEGREE ANGLE NOT A 40 DEGREE ANGLE FROM VERTICAL. SURVEYS DO NOT INDICATE ANY INCREASED RADIATION LEVELS AND THERE ARE NO INDICATIONS THAT THE ASSEMBLY WAS DROPPED OR DAMAGED. THE ASSEMBLY IS IN A STABLE CONDITION. THE PLANT WILL REMAIN IN AN UNUSUAL EVENT UNTIL THE ASSEMBLY IS PLACED IN A PER DESIGN CONFIGURATION.

\*\*\*UPDATE AT 0433 EST 06/20/93 BY HODGES TAKEN BY MACKINNON\*\*\*

WESTINGHOUSE HAS BEEN CONTACTED AND THEY WILL BRING A "J" HOOK OUT TO THE SITE TODAY. THE "J" HOOK WILL BE USED TO HOOK THE FUEL ASSEMBLY BY ITS SPRING CLIPS WHICH ARE LOCATED ON TOP OF THE FUEL ASSEMBLY. LICENSEE NEEDS TO WRITE A PROCEDURE BEFORE USING THE "J" HOOK METHOD TO UPRIGHT THE FUEL ASSEMBLY. AFTER THE FUEL ASSEMBLY IS UP

Power Reactor

Event # 25670

RIGHTED LICENSEE WILL USE THE MANIPULATOR TO MOVE THE FUEL ASSEMBLY. LICENSEE IS NOT SURE IF THEY HAVE A PROBLEM WITH THE MANIPULATOR OR SOME OTHER PROBLEM WHICH CAUSED THE 44th FUEL ASSEMBLY LOADED INTO THE CORE TO BECOME DETACHED FROM THE MANIPULATOR. LICENSEE THINKS THAT THE FUEL ASSEMBLY WILL BE RETRIEVED THIS EVENING OR EARLY TOMORROW MORNING (06/21/93). R2DO (CANTRELL) NOTIFIED.

\*\*\*UPDATE AT 2340 EDT ON 07/05/93 BY FIELDS TAKEN BY HUFFMAN\*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2335 EDT WHEN FUEL ASSEMBLY H-64 WAS PROPERLY STOWED IN THE SPENT FUEL STORAGE POOL. THERE IS APPARENTLY SOME DEFORMATION OF THE FUEL ASSEMBLY WHICH CAUSED INTERFERENCE WITH THE FUEL TRANSFER CART/UPENDER. THE LICENSEE WAS FINALLY ABLE TO GET THE ASSEMBLY IN THE TRANSFER CART BY "TWISTING IT A LITTLE" WITH THE REFUELING CRANE. CAUSE OF THE ASSEMBLY DEFORMATION IS STILL NOT KNOWN. TVA AND WESTINGHOUSE ARE STILL INSPECTING THE CORE SUPPORT PLATE FOR ANY DAMAGE.

THE RESIDENT INSPECTOR WILL BE INFORMED. R2DO(CHRISTENSEN), EO(VARGA), AND FEMA(AUSTIN) HAVE BEEN NOTIFIED.

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Power Reactor

Event # 25682

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HADDAM NECK                 |           | Notification Date / Time: 06/22/1993 09:41 (EDT) |   |
| Unit: 1                           | Region: 1 | State : CT                                       | Event Date / Time: 06/22/1993 09:36 (EDT) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 06/22/1993                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: TIM McDONALD     |           | Notifications: NORMAN BLUMBERG RDO               |   |
| HQ Ops Officer: STEVE SANDIN      |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | EARL FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

AN UNUSUAL EVENT WAS DECLARED AFTER LOSING OFFSITE POWER.

DURING SWITCHGEAR TESTING OF THE HADDAM 115KV FEED (BREAKER #39918), BOTH THE HADDAM AND MIDDLETOWN 115KV POWER FEEDS WERE LOST. A PRELIMINARY INVESTIGATION DETERMINED THAT THE "FLEX-SWITCH" WHICH IS USED FOR TESTING TO ARM THE BREAKER FAILURE LOGIC OF THE "1206" HADDAM FEED WAS IMPROPERLY WIRED CAUSING THE "1772" MIDDLETOWN FEED (BREAKER #38918) AND THE HADDAM FEED TO BOTH TRIP. THIS SURVEILLANCE "9.8-117 (1206 CY HADDAM LINE TRIP)" IS PERFORMED EACH OUTAGE. BOTH EDGs AUTO STARTED AS EXPECTED. BOTH TRAIN "A" RHR AND SFP COOLING WERE IN EFFECT PRIOR TO THE LOSS OF OFFSITE POWER. BOTH WERE RESTORED IN 2 MINUTES AND 25 MINUTES, RESPECTIVELY. THERE WAS NO NOTICEABLE INCREASE IN TEMPERATURE (RCS TEMPERATURE 100F). THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1115EDT 6/22/93 FROM McDONALD BY S.SANDIN \*\*\*

UE TERMINATED AT 1112EDT AFTER RESTORING OFFSITE POWER AND RETURNING ALL SYSTEM TO NORMAL. THE LICENSEE WILL INFORM STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(BLUMBERG), EO(VIRGILIO), AND FEMA(MOSTELLER).

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Power Reactor

Event # 25701

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HADDAM NECK                 |           | Notification Date / Time: 06/26/1993 19:48 (EDT) |   |
| Unit: 1                           | Region: 1 | State : CT                                       | Event Date / Time: 06/26/1993 19:18 (EDT) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 06/26/1993                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: GARY BOUCHARD    |           | Notifications: NORMAN BLUMBERG RDO               |   |
| HQ Ops Officer: RUDY KARSCH       |           | WILLIAM TRAVERS EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | AL AUSTIN FEMA                                   |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

## LOSS OF OFF SITE POWER DURING TESTING.

THE LICENSEE IS IN THE FORTY THIRD DAY OF A REFUELING OUTAGE. THEY WERE SIMULATING A LOSS OF ONE OFF SITE SOURCE IN CONJUNCTION WITH A SAFETY INJECTION SIGNAL IN ORDER TO VERIFY EMERGENCY DIESEL GENERATOR (EDG) START AND LOAD SEQUENCING. DURING CONDUCT OF THE TEST BOTH OFF SITE POWER SOURCES WERE LOST FOR UNKNOWN REASONS. BOTH EDGs STARTED AND RHR WAS RESTORED WITHIN FIVE MINUTES. THE LICENSEE HAS RESTORED ONE OFF SITE POWER FEED AND SPENT FUEL POOL COOLING. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL AGENCIES.

\*\*\* UPDATE AT 2042 EDT FROM BOUCHARD TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2040 EDT BY RESTORATION OF BOTH OFF SITE POWER SOURCES AND NOTIFICATION OF STATE AND LOCAL AGENCIES. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. FEMA (AUSTIN) NOTIFIED.

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Power Reactor

Event # 25706

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: HADDAM NECK                 |            |           |            | Notification Date / Time: 06/27/1993 19:11 (EDT) |            |   |
| Unit: 1                           |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 06/27/1993 19:05 (EDT) |
| Reactor Type: [1] W-4-LP          |            |           |            | Last Modification: 06/27/1993                    |            |   |
| Containment Type:                 |            |           |            |  |            |   |
| NRC Notified by: ROY BROWN        |            |           |            | Notifications: NORMAN BLUMBERG RDO               |            |   |
| HQ Ops Officer: RUDY KARSCH       |            |           |            | WILLIAM TRAVERS EO                               |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | AL AUSTIN FEMA                                   |            |   |
| 10 CFR Section:                   |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

UNUSUAL EVENT DECLARED DUE TO LOSS OF THE ELECTRICAL BUS THAT SUPPLIES POWER TO ALL SAFETY INJECTION VALVES (HPCI AND LPCI).

WHILE PERFORMING PLANT TESTING, POWER TO "MCC-5", THE MOTOR CONTROL CENTER WHICH SUPPLIES ELECTRICAL POWER TO TO ALL SAFETY INJECTION VALVES (BOTH TRAINS OF HPCI AND LPCI), WAS UNEXPECTEDLY LOST. TESTING HAS BEEN TERMINATED PENDING A ROOT CAUSE INVESTIGATION. THE UNUSUAL EVENT WAS TERMINATED AT 1906 EDT BY RESTORATION OF ELECTRICAL POWER. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\*\*\*

Power Reactor

Event # 25728

|  |            |            |            |  |            |                 |
|--|------------|------------|------------|--|------------|-----------------|
| Site: COMANCHE PEAK                                  |            |            |            | Notification Date / Time: 07/02/1993 06:31 (EDT) |            |                 |
| Unit: 2  | Region: 4  | State : TX |            | Event Date / Time: 07/02/1993 05:15 (CDT)        |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP                  |            |            |            | Last Modification: 07/02/1993                    |            |                 |
| Containment Type: DRY AMB                            |            |            |            |  |            |                 |
| NRC Notified by: ADAMS                               |            |            |            | Notifications: WILLIAM JOHNSON RDO               |            |                 |
| HQ Ops Officer: GREG SCARFO                          |            |            |            | DENNIG EO  |            |                 |
| Emergency Class: UNUSUAL EVENT                       |            |            |            | AUSTIN FEMA                                      |            |                 |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |            |            |            |  |            |                 |
| Unit   | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2  | N          | No         | 0          | Hot Standby                                      | 0          | Hot Standby     |

AN NOUE WAS DECLARED WHEN REACTOR COOLANT SYSTEM (RCS) LEAKAGE OF 1.2 GPM WAS DETERMINED VIA AN RCS LEAK TEST.

AT 0515CDT, AN NOUE WAS DECLARED WHEN RCS LEAKAGE OF 1.2 GPM WAS DETERMINED FROM AN RCS LEAK TEST. THE SOURCE OF THE LEAKAGE HAS NOT BEEN IDENTIFIED. THE TECHNICAL SPECIFICATION (T/S) LIMIT ON UNIDENTIFIED LEAKAGE IS 1.0 GPM. T/S ACTION STATEMENT 3.4.5.2 WAS ENTERED AT THE DECLARATION OF THE NOUE (30 HOURS TO COLD SHUTDOWN). ACTIONS ARE CURRENTLY UNDERWAY TO DETERMINED WHERE THE LEAK IS LOCATED. NO ELEVATED RADIATION LEVELS, SUMP LEVELS, OR HUMIDITY LEVELS HAVE BEEN DETECTED. RCS INVENTORY IS BEING MAINTAINED WITHOUT THE USE OF AN ADDITIONAL CHARGING PUMP. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE TEXAS DEPARTMENT OF PUBLIC SERVICE, HOOD COUNTY, AND SOMMERVILLE COUNTY HAVE BEEN NOTIFIED.

\*\*\* UPDATE 07/02/93 0721EDT FROM:LEWIS BY:SCARFO \*\*\*

AFTER PERFORMING A PLANT WALKDOWN, OPERATORS IDENTIFIED SEVERAL SMALL LEAKS AND QUANTIFIED THEM TO BE APPROXIMATELY 0.12 GPM OF THE 1.20 GPM OF UNIDENTIFIED LEAKAGE. AT THIS TIME, 1.08GPM REMAINS UNIDENTIFIED LEAKAGE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. EO(DENNIG), R4DO(JOHNSON) NOTIFIED.

\*\*\* UPDATE 07/02/93 0831EDT FROM:LEWIS BY:SCARFO \*\*\*

TEXAS UTILITIES ISSUED A PRESS RELEASE REGARDING THE UNUSUAL EVENT NOTIFICATION. EO(DENNIG), HQ PAO(FOUCHARD), R4DO(JOHNSON) NOTIFIED

\*\*\* UPDATE 07/02/93 1207EDT FROM: STEVE LEWIS BY: MACKINNON\*\*\*

LICENSEE THINKS THAT HAVE LOCATED AND ISOLATED THE LEAK. LICENSEE SAID THAT SEAL INJECTION FILTER ( # 202) DRAIN VALVE WAS LEAKING BY AND THEY SWAPPED FILTER (THIS ISOLATED THE LEAKING DRAIN OFF OF THE FILTER). LICENSEE WILL NOT EXIT THE UNUSUAL EVENT

05/19/2005

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Power Reactor

Event # 25728

CLASSIFICATION UNTIL THEY HAVE COMPLETED RCS LEAK RATE TEST. R4D0 (BILL JOHNSON), EO (BOB DENNIG) NOTIFIED.

\*\*\*UPDATE 07/02/93 1407EDT FROM: STEVE LEWIS BY: MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1405EDT WHEN COMPLETION OF LEAK TEST DETERMINED UNIDENTIFIED LEAK RATE AT 0.176gpm. LICENSEE SAID THAT THEY WILL REPAIR THE SEAL INJECTION FILTER LEAKING DRAIN VALVE. RI, LOCAL OFFICIALS, AND STATE OFFICIALS WERE INFORMED BY THE LICENSEE. R4DO (BILL JOHNSON), EO (DENNIG), & FEMA (AUSTIN) NOTIFIED.

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Fuel Cycle Facility

Event # 25739

|                                    |  |  |      |
|------------------------------------|--|--|------|
| Facility: BABCOCK & WILCOX CO.     |  | Notification Date / Time: 07/04/1993 16:01 (EDT) |      |
| Licensee: BABCOCK & WILCOX CO.     |  | Event Date / Time: 07/04/1993 15:36 (EDT)        |      |
| Fac Type: URANIUM FUEL FABRICATION |  | Last Modification: 07/04/1993                    |      |
| Region: 2                          |  | Docket #: 07000027                               |      |
| City: LYNCHBURG                    |  | Agreement State: No                              |      |
| County: CAMPBELL                   |  | License #: SNM-42                                |      |
| State: VA                          |  |  |      |
| NRC Notified by: CLAYBROOK         |  | Notifications: C CHRISTENSEN                     | RDO  |
| HQ Ops Officer: JOHN MacKINNON     |  | M FEDERLINE                                      | EO   |
| Emergency Class: UNUSUAL EVENT     |  | B CARR   | FEMA |
| 10 CFR Section:                    |  | PENNINGTON                                       | NMSS |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |  |  |      |
| RESPONSE-BULLETIN                  |  |  |      |

PRIMARY UNINTERRUPTIBLE POWER SUPPLY (UPS) WAS LOST FOR 32 MINUTES. UPS FEEDS POWER TO SECURITY SYSTEM AND CRITICALITY MONITORS. UNUSUAL EVENT WAS TERMINATED AT 1615 EDT.

LICENSEE LOST PRIMARY UPS SYSTEM WHEN SEVERAL FUSES IN ITS DISCONNECT FAILED FOR UNKNOWN REASONS. LICENSEE REPLACED THE FUSES AND THE UPS WAS RESTORED TO SERVICE AT 1608 EDT. WHILE THE UPS WAS OUT OF SERVICE LICENSEE HAD LOST POWER TO SECURITY SYSTEMS AND THEIR CRITICALITY MONITORS. ALL AREAS NEEDING SECURITY WERE COMPENSATED FOR WITHIN 10 MINUTES. ONLY PERSONNEL AT THE SITE ARE MAINTENANCE PERSONNEL AND SECURITY PERSONNEL. THERE WAS NO PROCESSING/ NO MANUFACTURING, AND NO OPERATIONS GOING ON AT THE FACILITY TODAY ( NO REAL CRITICALITY CONCERNS). LICENSEE IS INVESTIGATING WHY THE FUSES TO THE UPS SYSTEM DISCONNECT FAILED.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

SEE SAME EVENT # 25741 FOR MORE PERTINENT INFORMATION.

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Power Reactor

Event # 25748

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PALISADES                   |           | Notification Date / Time: 07/06/1993 23:15 (EDT) |   |
| Unit: 1                           | Region: 3 | State : MI                                       | Event Date / Time: 07/06/1993 22:54 (EDT) |
| Reactor Type: [1] CE              |           | Last Modification: 07/08/1993                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: PALMISANO        |           | Notifications: WILLIAM SNELL RDO                 |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | ASHOK THADANI EO                                 |   |
| Emergency Class: UNUSUAL EVENT    |           | JIM MUSE FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

- STUCK FUEL BUNDLE PARTIALLY OUT OF THE CORE DURING REFUELING ACTIVITIES -

WHILE RAISING THE UPPER GUIDE STRUCTURE DURING PLANT REFUELING ACTIVITIES, A SPENT FUEL BUNDLE (SAN-8) FROM CORE LOCATION #Z-11 BECAME STUCK IN A POSITION 8 FEET INSIDE THE CORE AND 3 FEET ABOVE THE CORE.

LICENSEE EVACUATED NONESSENTIAL PERSONNEL FROM CONTAINMENT.

LICENSEE IS INSPECTING THE REFUELING ACTIVITIES USING A CAMERA.

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO INCREASED PLANT AWARENESS.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

NOTE: SEE EVENT #25652 FOR A RELATED EVENT.

\*\*\* UPDATE 7/8/93 AT 16:56 FROM GERI PALMISANO TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 16:50 7/8/93 WHEN THE SPENT FUEL BUNDLE (SAN-8) THAT WAS STUCK WAS DISLODGED AND PLACED BACK IN ITS CORE LOCATION (Z-11). THE BUNDLE IS NOW RESTING ON THE CORE SUPPORT PLATE AT THIS LOCATION.

THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES IN ACCORDANCE WITH THEIR EMERGENCY PLAN. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. THE LICENSEE MAY ISSUE A PRESS RELEASE.

HOO NOTIFIED R3DO(SNELL), EO(THADANI), AND FEMA(SHULL).

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Fuel Cycle Facility

Event # 25750

|  |  |  |      |
|--|--|--|------|
| Facility: BABCOCK & WILCOX CO.                       |  | Notification Date / Time: 07/07/1993 08:10 (EDT) |      |
| Licensee: BABCOCK & WILCOX CO.                       |  | Event Date / Time: 07/02/1993 17:00 (EDT)        |      |
| Fac Type: URANIUM FUEL FABRICATION                   |  | Last Modification: 07/07/1993                    |      |
| Region: 2  |  | Docket #: 07000027                               |      |
| City: LYNCHBURG                                      |  | Agreement State: No                              |      |
| County: CAMPBELL                                     |  | License #: SNM-42                                |      |
| State: VA  |  |  |      |
| NRC Notified by: ARNE OLSEN                          |  | Notifications: JACK CRLENJAK                     | RDO  |
| HQ Ops Officer: STEVE SANDIN                         |  | JOHN GLENN                                       | EO   |
| Emergency Class: UNUSUAL EVENT                       |  | COMBS/PENNINGTON                                 | NMSS |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |  |  |      |

LICENSEE HAS DETERMINED THAT THE EVENT DESCRIBED IN A COURTESY CALL MADE AT 1745EDT ON 7/2/93 SHOULD HAVE BEEN CLASSIFIED AS AN UNUSUAL EVENT.

THE FOLLOWING IS A DESCRIPTION OF THE COURTESY CALL AS ENTERED IN THE HOO LOG:

"PLANT EVACUATED FOR 20 MINUTES DUE TO SEVERE ELECTRICAL STORM DAMAGING ONE UNIT EVACUATION ALARM AND CAUSING THE OTHER EVACUATION ALARM TO ACTUATE. NOBODY INJURED. SOME FLOODING IN ONE PORTION OF THE CONTROLLED AREA BEING CLEANED UP. LICENSEE TIRED TO CALL THE RI (MARK ELLIOTT) BUT THEY CANNOT REACH HIM. R2DO(CHRIS CHRISTENSEN), NMSS EO(M. FEDERLINE) NOTIFIED."

THE FOLLOWING IS THE TEXT RECEIVED VIA FAX ON 7/7/93:

"LOSS OF UNINTERRUPTIBLE POWER SUPPLY"

"JULY 2, 1993"

"THE EMERGENCY EVACUATION ALARM SOUNDED AT 1700, DURING A SEVERE ELECTRICAL STORM. THE EMERGENCY CONTROL ORGANIZATION MANNED THE EMERGENCY OPERATIONS CENTER. AFTER RADIATION PROTECTION REPORTED THAT THERE WAS NO EVIDENCE OF HIGH RADIATION LEVELS, PERSONNEL WERE INSTRUCTED TO ASSEMBLE IN THE CAFETERIA, THEN PERMITTED TO RETURN TO WORK. DAMAGE TO THREE CRITICALITY ACCIDENT MONITORS WERE IDENTIFIED. COMPENSATORY ACTION WAS TAKE."

"THE NRC WAS NOTIFIED OF THE ALARM. THE OCCURRENCE WAS NOT DECLARED AN EMERGENCY AT THE TIME OF THE EVENT, BUT IT WAS LATER DETERMINED A NOTIFICATION OF UNUSUAL EVENT SHOULD HAVE BEEN DECLARED."

"THE CRITICALITY ALARM SYSTEM WAS RETURNED TO SERVICE AND THE EMERGENCY CONTROL

Fuel Cycle Facility  
ORGANIZATION TERMINATED ACTIVITIES."

Event # 25750

"JULY 4, 1993"

"AT APPROXIMATELY 1420 SECURITY SYSTEMS, WHICH ARE SUPPLIED WITH POWER FROM THE UNINTERRUPTIBLE POWER SYSTEM (UPS), FAILED. NO PLANT OPERATIONS WERE BEING PERFORMED. AT 1530 SECURITY NOTICED THAT THE CRITICALITY ALARM SYSTEM HAD ALSO FAILED. THE SAFETY & SAFEGUARDS MANAGER AND RADIATION PROTECTION MANAGER WERE NOTIFIED. A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED. NRC WAS NOTIFIED AT APPROXIMATELY 1600. AT 1600 RADIATION CONTROL TECHNICIANS ARRIVED, SURVEYED THE AREA AND FOUND NO UNUSUAL RADIATION LEVELS. MAINTENANCE PERSONNEL RE-ENTERED THE PLANT, AND FOUND BLOWN FUSES IN THE UPS CIRCUITS. FUSES WERE REPLACED AND THE SYSTEM WAS RETURNED TO NORMAL. THE EVENT WAS TERMINATED."

"JULY 5, 1993"

"AT APPROXIMATELY 1530, NNFD WAS MAKING A REPORT OF THE JULY 4, 1993, EVENTS UNDER 10 CFR 70.50. WHILE FAXING A DESCRIPTION OF THE EVENT, THE TELEPHONE SYSTEM BEGAN TO MALFUNCTION. TRANSMISSION OF THE EVENT DESCRIPTION WAS NOT POSSIBLE AT THAT TIME."

"AT APPROXIMATELY 1600, THE EMERGENCY MANAGEMENT ORGANIZATION ASSEMBLY SIGNAL SOUNDED. THE EMERGENCY OPERATIONS CENTER WAS MANNED. IT WAS REPORTED THAT THE UPS SYSTEM HAD FAILED AND THE CRITICALITY ALARM SYSTEM AND SOME OF THE SECURITY SYSTEMS HAD BEEN LOST. IT WAS DECIDED TO BYPASS THE UPS AND FEED THE SAFETY CIRCUITS FROM NORMAL SITE POWER. THIS HAD BEEN TO THE EOC. THE EMERGENCY MANAGEMENT ORGANIZATION DECIDED, IN RECOGNITION THAT ELECTRICAL STORMS WERE FORECASTED FOR THE EVENING HOURS, TO TRANSFER THE SAFETY CIRCUITS FROM NORMAL SITE POWER TO THE EMERGENCY DIESEL SYSTEM. THIS WAS DONE TO PROVIDE A MORE STABLE POWER SOURCE."

"BECAUSE THE EVACUATION ALARM DID NOT SOUND, AN EVENT WAS NOT DECLARED. THESE EVENTS WERE REPORTED TO THE NRC EMERGENCY OPERATIONS CENTER FOR INFORMATION."

SEE EVENTS 25739 & 25741 FOR INITIAL NOTIFICATIONS MADE ON THE ABOVE DATES.

\*\*\*\*\*

Power Reactor

Event # 25774

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 07/10/1993 18:39 (EDT) |   |
| Unit: 1                             | Region: 1 | State : NJ                                       | Event Date / Time: 07/10/1993 18:15 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 07/10/1993                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: GEORGE JACKSON     |           | Notifications: GLENN MEYER RDO                   |   |
| HQ Ops Officer: JOSEPH SEBROSKY     |           | ASHOK THADANI EO                                 |   |
| Emergency Class: UNUSUAL EVENT      |           | HOWARD EARL FEMA                                 |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AN UNUSUAL EVENT WAS DECLARED DUE TO A AMMONIA RELEASE IN THE TURBINE BUILDING.

THE AMMONIA RELEASE OCCURRED AT UNIT 1 AND GASES HAVE GONE OVER INTO THE UNIT 2 AREA. THERE IS A REPORT THAT AN INDIVIDUAL WAS TAKEN TO THE HOSPITAL. DETAILS OF THE INDIVIDUAL'S INJURIES ARE NOT AVAILABLE AT THIS TIME. THE LICENSEE DID NOT HAVE ANY DETAILS ON THE SOURCE OF THE AMMONIA OR IF THE RELEASE WAS STILL ONGOING. THE LICENSEE WILL INFORM STATE AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED

\*\*\* UPDATE 18:53 7/10/93 FROM JACKSON TAKEN BY SEBROSKY \*\*\*

THE CAUSE OF THE RELEASE IS BELIEVED TO BE A LOSS OF THE LOOP SEAL IN THE UNIT 1 AMMONIA STORAGE TANK. IT IS BELIEVED, AT THIS TIME, THAT THE LOOP SEAL HAS BEEN REESTABLISHED AND THE AMMONIA RELEASE HAS BEEN STOPPED. THE NUCLEAR SHIFT SUPERVISOR WAS TRANSPORTED OFFSITE IN AN AMBULANCE DUE TO INHALATION OF AMMONIA. THE LICENSEE IS NOT SURE HOW MUCH AMMONIA WAS RELEASED BUT BELIEVES IT WAS ONLY VAPORS. THE CAPACITY OF THE AMMONIA STORAGE TANK IS APPROXIMATELY 3000 GALLONS.

HOO NOTIFIED R1DO(MEYER), EO(THADANI) AND FEMA(EARL).

\*\*\* UPDATE 19:53 7/10/93 FROM RODRIGUEZ TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 19:30 7/10/93. THE LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO(MEYER), EO(THADANI), AND FEMA(STINEDURF).

\*\*\* UPDATE 20:12 7/10/93 FROM RODRIGUEZ TAKEN BY SEBROSKY \*\*\*

A CHECK OF THE AMMONIA TANK LEVEL INDICATED THAT THERE WAS NO CHANGE IN THE LEVEL OF THE TANK. THE LICENSEE THEREFORE BELIEVES THAT ONLY VAPORS FROM THE TANK WERE

Power Reactor

Event # 25774

RELEASED. THE TURBINE BUILDING WAS EVACUATED AT THE TIME OF THE RELEASE. NO OFFSITE EVACUATIONS WERE PERFORMED. THE NUCLEAR SHIFT SUPERVISOR WHO WAS TRANSPORTED OFFSITE HAS BEEN RELEASED FROM THE HOSPITAL AND IS RETURNING BACK TO WORK. THE LICENSEE IS INVESTIGATING THE CAUSE OF THE LOSS OF THE LOOP SEAL ON THE AMMONIA TANK. A PRESS RELEASE MAY BE ISSUED.

HOO NOTIFIED R1DO(MEYER), AND EO(THADANI).

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Fuel Cycle Facility

Event # 25797

|  |  |  |      |
|--|--|--|------|
| Facility: BABCOCK & WILCOX CO.                       |  | Notification Date / Time: 07/17/1993 11:15 (EDT) |      |
| Licensee: BABCOCK & WILCOX CO.                       |  | Event Date / Time: 07/17/1993 10:44 (EDT)        |      |
| Fac Type: URANIUM FUEL FABRICATION                   |  | Last Modification: 07/17/1993                    |      |
| Region: 2  |  | Docket #: 07000027                               |      |
| City: LYNCHBURG                                      |  | Agreement State: No                              |      |
| County: CAMPBELL                                     |  | License #: SNM-42                                |      |
| State: VA  |  |  |      |
| NRC Notified by: ARNE OLSEN                          |  | Notifications: PIERCE SKINNER                    | RDO  |
| HQ Ops Officer: RUDY KARSCH                          |  | JOHN GREEVES                                     | EO   |
| Emergency Class: UNUSUAL EVENT                       |  | DAMICO   | FEMA |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |  |  |      |

B&amp;W NAVAL FUEL, LYNCHBURG, CAMPBELL COUNTY, VA.

UNUSUAL EVENT DECLARED DUE TO LOSS OF CRITICALITY MONITORING INSTRUMENTATION CAUSED BY A CUT CABLE.

THE LICENSEE SHUT DOWN THEIR URANIUM RECOVERY PROCESS YESTERDAY FOR MAINTENANCE, HOWEVER REACTIVE MATERIAL REMAINED IN THE PROCESS VESSELS. A BACK HOE INADVERTENTLY CUT A CABLE IN THE CRITICALITY MONITORING SYSTEM RENDERING IT INOPERABLE. LOSS OF CRITICALITY MONITORING WITH THE AMOUNT OF URANIUM PRESENTLY CONTAINED IN THE PROCESS EQUIPMENT IS AN UNUSUAL EVENT UNDER THE LICENSEE'S EMERGENCY PLAN. THE LICENSEE IS TRYING TO DETERMINE IF OTHER MONITORS ARE AVAILABLE TO COVER THE AFFECTED AREA. THEY ESTIMATE THAT THE CUT CABLE CAN BE REPAIRED IN A FEW HOURS. THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT WHEN CRITICALITY MONITORING IS RESTORED. THE LICENSEE INFORMED STATE AND COUNTY OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE FROM OLSEN AT 1149 EDT TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 1142 EDT WHEN ALTERNATE CRITICALITY MONITORS WERE FOUND TO COVER THE AREA. THE LICENSEE ESTIMATES THAT IT WILL TAKE FOUR HOURS TO REPAIR THE CUT CABLE. R2DO (SKINNER), NMSS EO (GREEVES), FEMA (DAMICO) NOTIFIED.

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Power Reactor

Event # 25825

|                                  |                      |  |   |
|----------------------------------|----------------------|--|---|
| Site: COOPER                     |                      | Notification Date / Time: 07/23/1993 12:14 (EDT) |   |
| Unit: 1                          | Region: 4            | State : NE                                       | Event Date / Time: 07/23/1993 10:25 (CDT) |
| Reactor Type: [1] GE-4           |                      | Last Modification: 07/27/1993                    |   |
| Containment Type: MARK I         |                      |  |   |
| NRC Notified by: DOUG BILLESBACH |                      | Notifications: PHIL HARRELL RDO                  |   |
| HQ Ops Officer: WILLIAM HUFFMAN  |                      | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT   |                      | AUSTIN FEMA                                      |   |
| 10 CFR Section:                  |                      | MONRO AEOD                                       |   |
| 50.72(a)(1)(i)                   | EMERGENCY DECLARED   | FOUCHARD   | PAO                                       |
| 50.72(b)(1)(v)                   | OTHER ASMT/COMM INOP |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 17         | Power Operation | 14         | Power Operation |

#### PLANT SHUTDOWN DUE TO POTENTIAL FLOODING CONDITIONS.

COOPER NUCLEAR STATION WAS NOTIFIED BY THE ATCHISON COUNTY, MISSOURI, EMERGENCY PERSONNEL THAT DUE TO ROAD AND WEATHER CONDITIONS, THE COUNTY WOULD BE UNABLE TO SUPPORT AN EVACUATION OF COUNTY RESIDENTS IN THE EVENT OF AN ACCIDENT. BASED ON THIS CONDITION, PLANT MANAGEMENT HAS DECIDED TO IMPLEMENT A PRECAUTIONARY PLANT SHUTDOWN. HIGHWAYS IN THE COUNTY ARE IN DANGER OF FLOODING DUE TO HEAVY RAINS OVERNIGHT AND THE CONTINUING THREAT OF ADDITIONAL RAINS. NONESSENTIAL PERSONNEL HAVE BEEN DISMISSED AND ARE BEING SENT HOME. THE LICENSEE IS STAFFING THE SITE WITH A DOUBLE SHIFT OF ESSENTIAL PERSONNEL (INCLUDING SECURITY AND EMERGENCY RESPONSE PERSONNEL). THESE PEOPLE WILL REMAIN ON SITE UNTIL MANAGEMENT DETERMINES THAT CONDITIONS PERMIT UNIMPEDED ACCESS TO THE PLANT.

THE LICENSEE ANTICIPATES BEING IN COLD SHUTDOWN CONDITION IN FIVE TO SIX HOURS. FLOODING PROCEDURES ARE CURRENTLY BEING IMPLEMENTED WHICH INVOLVES SANDBAGGING IN FRONT OF ALL BUILDING DOORS. RIVER LEVEL IS AT 897.8 FEET AND INCREASING SLOWLY. AN UNUSUAL EVENT WILL BE DECLARED IF LEVELS INCREASE TO 899 FEET. AT THAT TIME THE LICENSEE WILL ALSO SANDBAG IN FRONT OF INTERIOR VITAL AREA DOORS. GROUND LEVEL AT THE SITE IS 903 FEET WHICH IS ABOUT 1 FOOT ABOVE THE LEVEE LEVEL OF 902 FEET.

ALL ECCS AND EDGs ARE AVAILABLE WITH FUEL OIL TANKS FILLED. BOTH NRC RESIDENT INSPECTORS ARE AT THE SITE AND REGION IV IS DISPATCHING THE RESIDENT INSPECTOR FROM FT CALHOUN TO ASSIST IN COVERAGE OF THE SITUATION.

COMMISSIONERS' ASSISTANTS BRIEFING ON THIS EVENT WAS CONDUCTED AT 1430 EDT. THE FOLLOWING INDIVIDUALS WERE BRIEFED: BRIEFER RIV (HOWELL); SECY (HILL); AEOD (MUNRO,BROCKMAN); PAO (FOUCHARD); SP (DRAGGITIS); IP (UPSHAW); EDO (MITCHELL); EO (CHAFFEE); CA (MADDEN); ROGERS (SCARBOROUGH);

Power Reactor  
SELIN (MARTIN); REMICK (DOOLITTLE); de PLANQUE (McKENNA).

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\*\*\* UPDATE BY BILLESBACH TO HUFFMAN AT 1738 ON 7/23/93 \*\*\*  
THE LICENSEE ISSUED A PRESS RELEASE AT 1620 CDT. THE RELEASE INCLUDED NO NEW INFORMATION. THE RESIDENT INSPECTOR & R4DO (WESTERMAN) WERE NOTIFIED.

\*\*\* UPDATE BY BILLESBACH TO HUFFMAN AT 1947 ON 7/23/93 \*\*\*  
THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1819 CDT WHEN THE RIVER LEVEL REACHED 899 FEET ABOVE MEAN SEA LEVEL. THIS IS IN ACCORDANCE WITH EMERGENCY ACTION LEVEL 7.1.2. THE PLANT IS CURRENTLY IN HOT SHUTDOWN CONDITION WITH PRESSURE AT 28 PSIG AND TEMPERATURE AT 258 DEGREE F AND CONTINUING TO COOL DOWN. NO SIGNIFICANT CHANGE IN SURROUNDING AREA ROAD CONDITIONS HAVE OCCURRED SINCE THE INITIAL NOTIFICATION OF THE SHUTDOWN ACTION. RIVER LEVEL IS CURRENTLY PREDICTED TO CREST AT 900 FEET AROUND 1200 CDT. THE PLANT HAS IMPLEMENTED THE UE FLOOD CONTROL PROCEDURE WHICH INVOLVES PUTTING UP SECONDARY FLOOD BARRIERS ON THE INSIDE OF BUILDING DOORS. IT IS NOT PRESENTLY RAINING BUT ADDITIONAL RAINS ARE IN THE FORECAST. NRC RESIDENT INSPECTORS ARE ONSITE AND MONITORING THE SITUATION.

REGION IV PERSONNEL (MILHOAN, BATES, WESTERMAN, HOWELL, CALLAN, GILLIAND) & HEADQUARTERS PERSONNEL [AEOD (BROCKMAN/MONRO), EO (THOMAS), NRR (ADENSAM)] WERE BRIEFED ON THE CONDITIONS AT COOPER. FEMA (SIMMERS) WAS INFORMED.

\*\*\* UPDATES FROM HAYDEN TO HUFFMAN ON 7/23/93 \*\*\*  
2000 CDT: RIVER LEVEL AT 899.3 FEET. THERE ARE REPORTS OF A COUPLE LEVEES IN AREA HAVING BEEN BREACHED. ALL ROADS AROUND THE CITY OF AUBURN HAVE BEEN CLOSED. THE BROWNVILLE BRIDGE ACROSS THE MISSOURI IS CLOSED.

2100 CDT: RIVER LEVEL AT 899.55 FEET. REACTOR PLANT PRESSURE IS 5 PSIG. THE LEVEE BREAKS REPORTED EARLIER WERE ON THE EAST BANK OF THE MISSOURI RIVER ABOUT 4 MILES NORTH OF THE PLANT AND ON THE NEMAHA RIVER SOUTH OF THE PLANT.

\*\*\* UPDATES ENTERED BY ANDREWS ON 7/24/93 \*\*\*  
0000 CDT: RIVER LEVEL AT 900.00 FEET AND STILL RISING. RAIN FALL FOR THE LAST HOUR IS APPROXIMATELY 1 INCH. CURRENT RAIN FALL RATE APPEARS TO BE ABOUT 1/2 INCH PER HOUR.

0150 EDT: SET UP BRIEFING CALL FOR REGION IV / HEADQUARTERS TO DISCUSS THE SITUATION AT COOPER STATION. PARTICIPANTS FROM REGION IV INCLUDED MILHOAN, HOWELL, CALLAN, WESTERMAN (RDO), GILLILAND, HACKNEY, BATES. HEADQUARTERS PARTICIPANTS INCLUDED JORDAN, SPESSARD, BROCKMAN, MUNRO, THOMAS (EO), ADENSAM, ROOD.

NOTIFIED MARKSBERRY (RCT) AND REQUESTED HIM TO GIVE BOISE NOTICE THAT THEY MAY BE NEEDED TO RESPOND TO THE COOPER STATION TO PROVIDE SATELLITE COMMUNICATION SERVICES.

CONTACTED FEMA EICC TO REQUEST INFORMATION ON FLOOD CREST LEVELS AND AVAILABILITY OF COMMUNICATION EQUIPMENT. FLOOD CREST INFORMATION IS NOT AVAILABLE DUE TO THE RAINFALL IN THE AREA MAKING PROJECTIONS IMPRACTICAL AT THIS TIME.

COMMUNICATION EQUIPMENT IS AVAILABLE IN DES MOINES, IA.

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BROCKMAN (AEOD) REQUESTED THAT FEMA SEND THIS EQUIPMENT TO COOPER STATION. IT IS EXPECTED TO ARRIVE AS EARLY AS 1100 CDT.

0100 CDT: RIVER LEVEL AT 900.20 FEET AND STILL RISING. RAINFALL FOR THE PAST HOUR IS ABOUT 1 INCH. SEVERE THUNDERSTORM WARNING TO EXPIRE AT 0130 CDT. LICENSEE RECEIVED REPORT AT APPROXIMATELY 0125 CDT THAT WATER WAS OVERFLOWING THE NORTH LEVEE ON THE LITTLE NEMAHA RIVER SOUTH OF THE PLANT. THERE IS NO THREAT TO THE ROAD TO THE SOUTH OF THE PLANT AT THIS TIME.

0300 CDT: RIVER LEVEL AT 900.55 FEET AND STILL RISING. RAINFALL HAS STOPPED. THE LEVEE SOUTH OF THE PLANT HAS BEEN BREACHED AND THERE IS ABOUT 4 TO 5 INCHES OF WATER ACROSS THE NEMAHA ACCESS ROAD. THE ROAD IS STILL CLASSIFIED AS "PASSABLE", BUT IT IS NOT KNOWN FOR HOW LONG WITH THE RIVER STILL RISING.

THE LICENSEE IS SHUTTING DOWN THE 12.5 KV SERVICE TO THEIR EMERGENCY OPERATIONS FACILITY. THIS SERVICE IS FED OFF OF THE 69 KV EMERGENCY POWER LINE AND IS IN A LOW AREA WHICH MAY FLOOD. THIS SHUTDOWN IS NECESSARY TO KEEP THE 69 KV LINE OPERABLE.

THE LICENSEE IS PROVIDING POWER TO THE PLANT USING THE 161 KV START-UP POWER LINE. THERE IS EQUIPMENT THAT IS LOCATED BEHIND A LEVEE AT THE 895 FOOT ELEVATION THAT COULD BE FLOODED AND RESULT IN THE LOSS OF THE 161 LINE IF THE THE LEVEE IS BREACHED. AS A PREVENTATIVE MEASURE, THE LICENSEE IS ESTABLISHING A BACK FEED FROM THE 345 KV SERVICE (NORMAL OUTPUT FROM THE GENERATOR). THIS IS EXPECTED TO BE COMPLETED AROUND 1200 CDT.

UNTIL A BACK FEED IS ESTABLISHED THROUGH THE 354 KV BUS, IF THE 161 KV SERVICE IS LOST, THE LICENSEE WILL STILL HAVE THE 69 KV SERVICE AND THEIR DIESEL GENERATORS (WHICH ARE OPERABLE).

HOO NOTIFIED RIV [WESTERMAN(RDO), BATES, CALLAN, HOWELL].

0800 EDT: NRC BRIEFING CALL. REGION IV PARTICIPANTS [MILHOAN, HOWELL, CALLAN, KOPRIVIA, WESTERMAN (RDO), COLLINS, BATES, HACKNEY, GILLILAND]. HEADQUARTERS PARTICIPANTS [JORDAN, SPESSARD, BROCKMAN, MUNRO, CONAUGHTON, ADENSAM, ROOD, THOMAS (EO), MARKSBERRY, WILCOX, MIRAGLIA].

0838 EDT: REGION IV (MILHOAN) AND HEADQUARTERS (JORDAN) DECIDED TO PLACE THE AGENCY IN THE MONITORING MODE. HOO NOTIFIED FEMA-HQ.

0824 CDT: RIVER LEVEL AT 900.80 FEET.

1130 EDT: COMMISSIONERS' ASSISTANT BRIEFING  
CONTACTED: AEOD (JORDAN, SPESSARD, BROCKMAN, MUNRO),  
NMSS (HICKEY), NRR EO (THOMAS, CHAFFE), PA (KOPECK),  
SP (KAMMERER), EDO (WHEELER, BATEMAN), SECY (BATES),  
CA (KEELING), ROGERS (SCARBOROUGH), SELIN (DUNN-LEE, MARTIN),  
REMICK (GUTTMAN), de PLANQUE (LUBENAU).

PARTICIPANTS: CA (KEELING), ROGERS (SCARBOROUGH), RIV (CALLAN),

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NMSS (HICKEY), de PLANQUE (LUBENAU), NRR (CHAFFEE), PA (KOPEK),  
EDO (WHEELER), SELIN (MARTIN), REMICK (GUTTMAN), SP (KAMMERER).

\*\*\* UPDATES ENTERED BY HUFFMAN ON 7/24/93 \*\*\*

RIVER LEVEL HAS DROPPED FROM 900.10 FT @ 1300 CDT TO 899.35 FT @ 2100 CDT.

FEMA SATELLITE COMMUNICATIONS IS ONSITE, TESTED, AND OPERATIONAL. FOUR FUEL OIL TANKERS ARE SECURED ONSITE TO PROVIDE A TOTAL EMERGENCY DIESEL GENERATOR CAPABILITY OF 10 TO 12 DAYS. BOATS AND A HELICOPTER ARE AVAILABLE FOR TRANSPORTING PERSONNEL, SUPPLIES, OR EQUIPMENT TO THE SITE IF ROADS BECOME IMPASSIBLE.

THE REACTOR COOLANT TEMPERATURE IS 140 DEGREES F. REACTOR VESSEL LEVEL IS AT 55 INCHES. TIME TO BOILING IS 15 HOURS.

LICENSEE HAS ESTABLISHED CAPABILITY TO BACKFEED OFFSITE POWER THROUGH MAIN STEPUP TRANSFORMER IF NECESSARY. CURRENTLY OFFSITE POWER IS BEING SUPPLIED VIA STARTUP TRANSFORMER.

UPDATES ARE BEING PROVIDED BY THE LICENSEE HOURLY.

NRC HEADQUARTERS AND REGION IV SENIOR MANAGEMENT WERE BRIEFED BY LICENSEE SENIOR MANAGEMENT AT 1600 EDT & AT 2100 EDT ON THE SITUATION AT THE PLANT.

AN NRC SITE TEAM CONSISTING OF SAM COLLINS, JIM GAGLIARDO, AND BILL JONES ARRIVED ON SITE AT APPROXIMATELY 1900 CDT.

EXPECTED RIVER LEVEL CHANGES DURING THE NEXT TWELVE HOURS ARE DIFFICULT TO PREDICT. TWO TO THREE INCHES OF ADDITIONAL RAIN ARE EXPECTED TONIGHT. THE AREA IS ALSO UNDER A TORNADO WATCH UNTIL MIDNIGHT. THE DECREASE IN RIVER WATER LEVEL MAY NOT BE A RESULT OF CRESTING BUT DUE TO A SIGNIFICANT BREACH IN A LEVEE ON THE MISSOURI SIDE OF THE RIVER NORTH OF THE PLANT.

AT 2200 CDT A TORNADO WARNING WAS ISSUED FOR THE SITE. A TORNADO HAS BEEN SITED 10 MILES SOUTH OF AUBURN HEADED NORTHEAST AT 40 MPH TOWARDS THE PLANT. TORNADO WARNING WAS RESCINDED AT 2245 CDT.

\*\*\* UPDATE ENTERED BY ANDREWS ON 7/25/93 \*\*\*

1010 CDT: NRC REGION IV TERMINATED THE MONITORING MODE FOR THIS EVENT. THIS DECISION WAS BASED ON THE CURRENT RIVER LEVEL (899.1 FEET) AND THE PROJECTED CREST EXPECTED TO OCCUR BETWEEN 1200 AND 1300 CDT TODAY AT APPROXIMATELY 899.7 FEET. HOO NOTIFIED FEMA-HQ.

\*\*\* UPDATE AT 1826 ON 07/27/93 BY TETRICK ENTERED BY HOO JOLLIFFE \*\*\*

THE RIVER LEVEL CRESTED @ 899.3 FEET AT 2100 CDT ON 07/25/93. AT 1700 CDT ON 07/27/93, THE RIVER LEVEL WAS @ 896.9 FEET AND DECREASING. AT 1709 CDT, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO THE RIVER LEVEL DROPPING BELOW 897 FEET. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R4DO BARNES, EO CALVO, FEMA SULLIVAN.

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Power Reactor

Event # 25835

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: QUAD CITIES                   |            | Notification Date / Time: 07/27/1993 05:24 (EDT) |   |                 |            |                 |
| Unit: 2                             | Region: 3  | State : IL                                       | Event Date / Time: 07/27/1993 03:37 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] GE-3     |            | Last Modification: 07/27/1993                    |   |                 |            |                 |
| Containment Type: MARK I            |            |  |   |                 |            |                 |
| NRC Notified by: DOUG BRITTS        |            | Notifications: JAMES CREED                       | RDO                                       |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS      |            | CECIL THOMAS                                     | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | DAMICO   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) OTHER ASMT/COMM INOP |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | Yes  | 27  | Power Operation | 18         | Power Operation |

LICENSEE DECLARED UNUSUAL EVENT DUE TO LOSS OF NORMAL POWER TO THE 4KV EMERGENCY CORE COOLING SYSTEM BUSES WHILE THE UNIT WAS OPERATING.

AT 0316 CDT, UNIT TWO EXPERIENCED A LOSS OF THE RESERVE AUXILIARY TRANSFORMER (TRANSFORMER 22) DUE TO A TRIP OF THE 345 KV LINE 0403. THE LICENSEE BELIEVES THIS IS A RESULT OF A LIGHTNING STRIKE.

FOLLOWING THE LOSS OF THE RESERVE AUXILIARY TRANSFORMER, BUS 22 DID NOT AUTOMATICALLY TRANSFER TO THE AUXILIARY POWER SUPPLY. THE DIESEL GENERATORS WERE NOT REQUIRED TO AUTOMATICALLY START SINCE THE UNIT WAS AT POWER AND ELECTRICAL POWER AVAILABLE FROM THE MAIN GENERATOR.

LOSS OF BUS 22 CAUSED THE FOLLOWING ACTIONS:

- THE 2B RECIRC MOTOR GENERATOR SET TRIPPED AND THE 2B REACTOR FEED PUMP TRIPPED, CAUSING THE AUTOMATIC START OF THE 2C REACTOR FEED PUMP. THE PLANT WAS OPERATING AT 27% POWER AT THE TIME. THE LOSS OF THE FEED PUMP CAUSED WATER LEVEL TO DROP ABOUT 4 INCHES TO AROUND 26 INCHES. WITH THE AUTOMATIC START OF REACTOR FEED PUMP 2C, 26 INCHES WAS THE LOWEST REACTOR WATER LEVEL OBSERVED. THE LOSS OF THE 2B RECIRC MOTOR GENERATOR SET CAUSED REACTOR POWER TO DROP TO 18% POWER. THE REACTOR IS STABLE AT 18% POWER.
- THE "A" REACTOR PROTECTION SYSTEM TRIPPED. THIS CAUSED A 1/2 SCRAM SIGNAL, REACTOR BUILDING VENTILATION ISOLATION, CONTROL ROOM VENTILATION ISOLATION, A PARTIAL GROUP II (REACTOR WATER CLEANUP) ISOLATION, AND A FULL GROUP III (CONTAINMENT VENTILATION) ISOLATION).

Power Reactor

Event # 25835

- THE INSTRUMENT BUS WAS TEMPORARILY LOST WHICH CAUSED A PARTIAL GROUP I ISOLATION AFFECTING RECIRC SAMPLE VALVES.

AT 0337, THE SHIFT ENGINEER DECLARED AN UNUSUAL EVENT DUE TO LOSS OF NORMAL POWER TO BUSES 23-1 AND 24-1. THE ISOLATIONS HAVE BEEN RESET AND THE LICENSEE IS IN THE PROCESS OF RESTORING POWER TO THE RESERVE AUXILIARY TRANSFORMER. ONCE POWER IS RESTORED, THEY CAN TERMINATE THE UNUSUAL EVENT.

UNIT 1 IS OPERATING AT 98% POWER AND IS NOT AFFECTED BY THIS EVENT.

AT 0339, THE LICENSEE DISCOVERED THAT THE "NARS" PHONE WAS INOPERABLE. THE LICENSEE USED A COMMERCIAL PHONE LINE TO NOTIFY THE ILLINOIS EMERGENCY MANAGEMENT AGENCY. THE CHICAGO LOAD DISPATCHER WAS DIRECTED TO MAKE THE REMAINING REQUIRED NOTIFICATIONS NORMALLY PERFORMED USING "NARS."

THE NRC RESIDENT INSPECTOR AND STATE OFFICIALS HAVE BEEN NOTIFIED. A PRESS RELEASE IS NOT PLANNED AT THIS TIME.

\*\*\*\* UPDATE AT 0734 EDT BY BRITZ TAKEN BY LEWIS \*\*\*\*

AT 0618 CDT, THE STATION DIRECTOR TERMINATED THE UNUSUAL EVENT. TRANSFORMER 22 HAS BEEN RE-ENERGIZED. NORMAL ELECTRIC POWER HAS BEEN RESTORED EXCEPT FOR UNIT AUX TRANSFORMER FEED TO BUS 22 BREAKER.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN INFORMED OF THE TERMINATION OF THE UNUSUAL EVENT BY THE LICENSE.

HOO NOTIFIED R3DO (CREED), EO (CHAFFEE), FEMA (LOUSANIS)

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Power Reactor

Event # 25849

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: BYRON                         |           | Notification Date / Time: 07/28/1993 12:02 (EDT) |   |
| Unit: 1 2                           | Region: 3 | State : IL                                       | Event Date / Time: 07/28/1993 10:22 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 07/29/1993                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: BILL LACOSTO       |           | Notifications: JAMES CREED RDO                   |   |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | JOSE CALVO EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | JIM MUSE FEMA                                    |   |
| 10 CFR Section:                     |           | KEN BROCKMAN AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 96         | Power Operation | 96         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO LOSS OF ALL NORMAL COMMUNICATIONS.

THE COMMONWEALTH EDISON BULK POWER (LOAD DISPATCHER) NOTIFIED THE NRC THAT NORMAL OFFSITE COMMERCIAL COMMUNICATIONS, EMERGENCY NOTIFICATION SYSTEM (ENS) COMMUNICATIONS, THE HEALTH PHYSICS NETWORK (HPN) AND THE NUCLEAR ACCIDENT REPORTING SYSTEM (NARS) COMMUNICATIONS WERE ALL LOST AROUND 10:00 CDT. AT 10:22 CDT THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE LOSS OF COMMUNICATIONS PER THEIR EMERGENCY ACTION LEVEL 3.C.

THE LOAD DISPATCHER WAS IN DIRECT COMMUNICATIONS WITH THE CONTROL ROOM VIA A MICROWAVE LINK. THE LICENSEE VIA THE LOAD DISPATCHER INDICATED THAT A FIBER OPTIC PHONE LINE BETWEEN THE PLANT AND A SWITCHING STATION IN WINNEBAGO, IL HAD BEEN CUT. THE TIME TO REPAIR THE LINE WAS ESTIMATED AT 1330 CDT. NRC REQUESTED THE COMMUNICATIONS VIA THE LOAD DISPATCHER BE KEPT OPEN UNTIL THE NORMAL COMMUNICATIONS COULD BE RESTORED.

SUBSEQUENTLY, THE LICENSEE PROVIDED THE NRC WITH A CELLULAR TELEPHONE NUMBER THAT COULD BE USED TO REACH THE SITE. IN ADDITION, IT WAS DETERMINED THE CONTROL ROOM COULD BE REACHED VIA A COMMERCIAL MICROWAVE LINK (10 LINES TOTAL) THROUGH THE CHICAGO CORPORATE OFFICE. THE OPEN LINE VIA THE LOAD DISPATCHER WAS TERMINATED AND A DIRECT COMMERCIAL MICROWAVE LINE TO THE CONTROL ROOM WAS ESTABLISHED. THE LINE IS CURRENTLY BEING VERIFIED OPEN AND AVAILABLE EVERY HALF HOUR UNTIL NORMAL COMMUNICATIONS IS RE-ESTABLISHED.

THE RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED.

\*\*\* UPDATE AT 1528 BY SNOE ENTERED BY HOO JOLLIFFE \*\*\*

Power Reactor

Event # 25849

AT 1425 (CDT), LICENSEE HAD RESTORED AND SATISFACTORILY TESTED ALL SITE COMMUNICATIONS AND TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R3DO CREED, NRR EO CHAFFEE, AEOD BROCKMAN, AND FEMA CARR.

\*\*\* UPDATE AT 1646 BY KNARR ENTERED BY HOO JOLLIFFE \*\*\*

AT 1526 (CDT), LICENSEE AGAIN LOST ALL NORMAL COMMUNICATIONS AND AGAIN DECLARED AN UNUSUAL EVENT. AN OPEN CONTINUOUS DIRECT COMMERCIAL MICROWAVE TELEPHONE LINE BETWEEN THE CONTROL ROOM AND THE NRC HEADQUARTERS OPERATION CENTER (HOC) HAS BEEN ESTABLISHED. A BACKUP METHOD OF COMMUNICATIONS BETWEEN THE CONTROL ROOM AND THE NRC HOC VIA THE LOAD DISPATCHER HAS BEEN VERIFIED TO BE AVAILABLE.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R3DO CREED, NRR EO CALVO, AEOD BROCKMAN, AND FEMA CARR.

\*\*\* UPDATE 07/29/93 0124EDT FROM:FLOWERS BY:SCARFO \*\*\*

THE PRIMARY COMMUNICATIONS SYSTEM REPAIRS WERE COMPLETED AND REPAIRS ON THE SECONDARY COMMUNICATIONS SYSTEM ARE ONGOING. THE MICROWAVE COMMUNICATIONS LINK TO THE OPERATIONS CENTER WAS TERMINATED. NOTIFICATIONS TO THE STATE AND TO THE OPERATIONS CENTER WILL OCCUR HOURLY UNTIL THE NOUE IS TERMINATED.

\*\*\* UPDATE 07/29/93 0359EDT FROM:FLOWERS BY:SCARFO \*\*\*

THE LICENSEE TERMINATED THE NOUE AT 0247CDT WHEN REPAIRS TO THE BACKUP COMMUNICATIONS SYSTEM WERE COMPLETED AND THE SYSTEM WAS RETURNED TO SERVICE. THE PRIMARY SYSTEM WAS TAKEN OUT OF SERVICE FOR FURTHER MAINTENANCE. THE ILLINOIS DEPARTMENT OF EMERGENCY SERVICES AND DEPARTMENT OF NUCLEAR SAFETY WERE NOTIFIED. R3DO(CREED), EO(CALVO), FEMA(D'AMICO) NOTIFIED.

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Power Reactor

Event # 25852

|  |           |  |   |
|--|-----------|--|---|
| Site: FITZPATRICK                      |           | Notification Date / Time: 07/29/1993 10:47 (EDT) |   |
| Unit: 1                                | Region: 1 | State : NY                                       | Event Date / Time: 07/29/1993 10:33 (EDT) |
| Reactor Type: [1] GE-4                 |           | Last Modification: 07/29/1993                    |   |
| Containment Type: MARK I               |           |  |   |
| NRC Notified by: KLEVORN               |           | Notifications: LAWRENCE DOERFLEIN RDO            |   |
| HQ Ops Officer: GREG SCARFO            |           | CHAFFEE EO                                       |   |
| Emergency Class: UNUSUAL EVENT         |           | WIDENER FEMA                                     |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 96         | Power Operation |

A NOUE WAS DECLARED AT 1033EDT WHEN ALL AVERAGE POWER RANGE MONITORS (APRMs) WERE DECLARED INOPERABLE DUE TO THE FAILURE TO PERFORM AN APRM SURVEILLANCE TEST DURING THE LIFE OF THE PLANT. A TECHNICAL SPECIFICATION (T/S) REQUIRED SHUTDOWN WAS COMMENCED FROM 100% REACTOR POWER.

AN NOUE WAS DECLARED AT 1033EDT WHEN IT WAS DISCOVERED THAT A SURVEILLANCE TEST OF THE APRM DOWNSCALE TRIP FUNCTION HAD NOT BEEN PERFORMED SINCE THE BEGINNING OF PLANT OPERATIONS. ALL APRM DOWNSCALE TRIPS WERE DECLARED INOPERABLE AND T/S ACTION STATEMENT FROM TABLE 3.1-1, NOTE 1B WAS ENTERED. THIS WAS DISCOVERED DURING A PROCEDURES REVIEW. IN PARTICULAR, AN APRM DOWNSCALE SIGNAL AND AN INTERMEDIATE RANGE MONITOR (IRM) UPSCALE SIGNAL ARE SIMULATED AND A HALF-SCRAM SHOULD OCCUR IN THE RPS LOGIC. SUCH A TEST OF THE APRMs HAS NEVER BEEN PERFORMED AT THE UNIT.

CORRECTIVE ACTIONS INCLUDE GENERATING AN ADEQUATE TEST PROCEDURE AND PERFORMING THE TEST. THE LICENSEE ANTICIPATES THAT THESE ACTIVITIES WILL BE COMPLETED BEFORE THE UNIT REACHES COLD SHUTDOWN. THE CRITERIA FOR EXITING THE NOUE IS THE SATISFACTORY COMPLETION OF THE SURVEILLANCE TEST. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE OF NEW YORK AND OSWEGO COUNTY HAVE BEEN NOTIFIED. A PRESS RELEASE WILL BE ISSUED BY THE LICENSEE.

\*\*\* UPDATE FROM KLEVORN AT 1405EDT ON 7/29/93 TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 1350EDT. ALL APRMs HAVE HAD THE DOWNSCALE SCRAM TRIP TESTED SATISFACTORILY. ALL APRMs ARE OPERABLE. R1D0 (DOERFLEIN), EO (CALVO), FEMA (CALDWELL) NOTIFIED.

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Power Reactor

Event # 25871

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: WASHINGTON NUCLEAR          |            | Notification Date / Time: 08/03/1993 09:29 (EDT) |   |                 |            |                 |
| Unit: 2                           | Region: 5  | State: WA  | Event Date / Time: 08/03/1993 06:00 (PDT) |                 |            |                 |
| Reactor Type: [2] GE-5            |            | Last Modification: 08/03/1993                    |   |                 |            |                 |
| Containment Type: MARK II         |            |  |   |                 |            |                 |
| NRC Notified by: GEORGE RICHMOND  |            | Notifications: HOWARD WONG RDO                   |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN   |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | GARY BELCHER FEMA                                |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Shutdown    |

Rx SCRAM FROM FULL POWER WHEN ALL 8 MAIN STEAM ISOLATION VALVES CLOSED.

A CALIBRATION SURVEILLANCE ON MAIN STEAM LINE RAD MONITOR "D" WAS IN PROGRESS WHEN ALL 8 MAIN STEAM LINE ISOLATION VALVES UNEXPECTEDLY WENT FULL CLOSED. AT 0539 (PDT), A REACTOR SCRAM ON MSIV CLOSURES OCCURRED. ALL RODS FULLY INSERTED.

THE REACTOR IS STABLE AT 913 PSI WITH A WATER LEVEL OF 44.5 INCHES. DECAY HEAT IS BEING REMOVED VIA SAFETY/RELIEF VALVES (SRVs) TO THE SUPPRESSION POOL AND MAKEUP IS BEING SUPPLIED FROM THE CST USING RCIC.

AT 0600 (PDT), THE SHIFT MANAGER DECLARED AN UNUSUAL EVENT AT HIS DISCRETION IN ORDER TO "HEIGHTEN PERSONNEL AWARENESS" OF THE REACTOR SCRAM AND NORMAL HEAT SINK ISOLATION. THERE ARE NO COMPLICATIONS TO THIS EVENT THAT WOULD ORDINARILY PLACE THE PLANT IN AN UNUSUAL EVENT BASED ON EMERGENCY ACTION LEVELS. TERMINATION OF THE UNUSUAL EVENT WILL ALSO BE BASED ON THE SHIFT MANAGER'S DISCRETION.

CAUSE OF THE MSIV CLOSURES IS STILL UNDER INVESTIGATION BUT IT IS SUSPECTED THAT THE MSIVs CLOSED AS A RESULT OF THE RADIATION MONITOR CALIBRATION/SURVEILLANCE WHICH WAS IN PROGRESS AT THE TIME OF THE EVENT.

REACTOR PRESSURE REACHED A MAXIMUM OF ~1080 PSI RESULTING IN A HIGH PRESSURE TRIP OF THE RECIRC PUMPS AS DESIGNED (TRIP POINT IS 1076 PSI). REACTOR WATER LEVEL WENT FROM A NORMAL VALUE OF +36 INCHES TO -43 INCHES. NO AUTOMATIC ACTUATION OF RCIC OR HPCS OCCURRED (LEVEL 2 ACTUATION SETPOINT IS -50 INCHES). RCIC WAS MANUALLY INITIATED. ALL ECCS WERE AVAILABLE HAD THEY BEEN NEEDED. ALL ELECTRICAL BUSES TRANSFERRED WITHOUT DIFFICULTY. SEVERAL SRVs LIFTED DURING THE TRANSIENT AND ARE CURRENTLY BEING CYCLED MANUALLY TO REMOVE DECAY HEAT AS NECESSARY. THE HPCS SUCTION AUTOMATICALLY TRANSFERRED TO THE SUPPRESSION POOL FROM THE CST ON HIGH SUPPRESSION POOL LEVEL AS EXPECTED. SUPPRESSION POOL LEVEL IS BEING MAINTAINED THROUGH LETDOWN FROM RHR BACK

Power Reactor  
TO THE CST.

Event # 25871

THE MSIVs WILL BE REOPENED AND THE CONDENSER WILL BE ESTABLISHED AS A HEAT SINK WHEN THE CAUSE OF THEIR CLOSURES IS BETTER UNDERSTOOD.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL AUTHORITIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE FROM RICHMOND TO HUFFMAN AT 11:16 EDT ON 8/3/93 \*\*\*

AT 0750 (PDT), LICENSEE TERMINATED THE UNUSUAL EVENT BASED ON THE SHIFT MANAGER'S DECISION THAT PLANT PERSONNEL WERE SUFFICIENTLY AWARE OF THE REACTOR STATUS AND THAT RE-ESTABLISHMENT OF THE NORMAL HEAT SINK IS IN PROGRESS. LICENSEE IS PREPARING TO OPEN THE MSIVs SHORTLY AND START DISCHARGING DECAY HEAT TO THE MAIN CONDENSER. EO(CHAFFEE), R5DO(JOHNSTON), AND FEMA(BELCHER) NOTIFIED.

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Power Reactor

Event # 25880

|  |            |            |            |  |            |                 |
|--|------------|------------|------------|--|------------|-----------------|
| Site: NINE MILE POINT                  |            |            |            | Notification Date / Time: 08/04/1993 20:39 (EDT) |            |                 |
| Unit: 2                                | Region: 1  | State : NY |            | Event Date / Time: 08/04/1993 20:15 (EDT)        |            |                 |
| Reactor Type: [1] GE-2,[2] GE-5        |            |            |            | Last Modification: 08/04/1993                    |            |                 |
| Containment Type: MARK II              |            |            |            |  |            |                 |
| NRC Notified by: ROY GREEN             |            |            |            | Notifications: JOHN ROGGE RDO                    |            |                 |
| HQ Ops Officer: STEVE SANDIN           |            |            |            | ERNIE ROSSI EO                                   |            |                 |
| Emergency Class: UNUSUAL EVENT         |            |            |            | SHULL FEMA                                       |            |                 |
| 10 CFR Section:                        |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |            |            |  |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |            |            |  |            |                 |
| Unit                                   | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                      | N          | Yes        | 100        | Power Operation                                  | 97         | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED SHUTDOWN.

UNIT 2 COMMENCED A NORMAL REACTOR SHUTDOWN AT 5% PER HOUR DUE TO THEIR INABILITY TO COMPLY WITH THE A/S OF TECH SPEC 3.6.3 (CONTAINMENT INTEGRITY). AT 1615EDT IT WAS DISCOVERED DURING AN ENGINEERING REVIEW THAT THE 4 INBOARD ISOLATION VALVES "2HCS\*MOV4A, 4B, 6A AND 6B" FOR BOTH DIV I & II OF THE HYDROGEN RECOMBINER SYSTEM HAD BEEN LLR TESTED IN THE REVERSE DIRECTION, i.e., FROM THE OUTSIDE IN. THESE VALVES WERE DECLARED INOPERABLE AT THIS TIME PLACING UNIT 2 IN THE ABOVE MENTIONED TECH SPEC WHICH REQUIRES THAT THE VALVES BE RESTORED TO OPERABILITY OR THE UNIT BE IN HOT SHUTDOWN IN 12 HOURS AND COLD SHUTDOWN WITHIN THE FOLLOWING 24 HOURS. THE LICENSEE HAS CONTACTED REGION I AND IS REQUESTING DISCRETIONARY RELIEF. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2259 BY POLINSKY/DRAOMER ENTERED BY LEWIS \*\*\*

AT 2254, LICENSEE TERMINATED THE UNUSUAL EVENT AFTER OBTAINING A WAIVER OF COMPLIANCE WITH TECH SPEC 3.6.3 FROM REGION 1.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R1DO ROGGE, E0 ROSSI, AND FEMA SHULL.

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Power Reactor

Event # 25886

|  |            |            |            |  |            |                 |
|--|------------|------------|------------|--|------------|-----------------|
| Site: MILLSTONE                          |            |            |            | Notification Date / Time: 08/05/1993 15:06 (EDT) |            |                 |
| Unit: 2                                  | Region: 1  | State : CT |            | Event Date / Time: 08/05/1993 14:46 (EDT)        |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |            |            | Last Modification: 08/06/1993                    |            |                 |
| Containment Type: DRY AMB                |            |            |            |  |            |                 |
| NRC Notified by: ACKLE                   |            |            |            | Notifications: JOHN ROGGE                        |            | RDO             |
| HQ Ops Officer: JACK LEWIS               |            |            |            | AL CHAFFEE                                       |            | EO              |
| Emergency Class: UNUSUAL EVENT           |            |            |            | STEINDURF  |            | FEMA            |
| 10 CFR Section:                          |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |            |            |  |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |            |            |  |            |                 |
| Unit                                     | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2  | N          | Yes        | 79         | Power Operation                                  | 79         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO TECH SPEC REQUIRED PLANT SHUTDOWN AS A RESULT OF REACTOR COOLANT LEAKAGE OF 3 GPM.

A PLANT SHUTDOWN IS CURRENTLY IN PROGRESS DUE TO AN INCREASE IN LEAKAGE FROM A MANUAL ISOLATION VALVE BONNET. THE VALVE IS LOCATED IN THE CVCS LETDOWN SYSTEM. THE ORIGINAL LEAKAGE WAS 0.1 GPM. THE INCREASE IN LEAKAGE OCCURRED WHILE WORK WAS BEING PERFORMED ON THE VALVE IN ATTEMPT TO STOP THE LEAKAGE.

THE CURRENT LEAK RATE IS STABLE AT 3 GPM. THERE WAS NO RELEASE. ALL ECCS AND OFFSITE POWER SUPPLIES ARE AVAILABLE. THE METHOD OF LEAK RATE DETERMINATION IS SUMP LEVEL INCREASE RATES.

THE TECH SPEC LIMIT FOR UNIDENTIFIED LEAKAGE IS 1 GPM.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1607 EDT BY JEFF SMITH TAKEN BY ANDREWS \*\*\*

CURRENT LEAK RATE IS 4.5 GPM. LICENSEE EXPECTS THE PLANT TO BE OFFLINE IN A FEW MINUTES. THEY WILL CONTINUE TO COOLDOWN AND DEPRESSURIZE.

HOO NOTIFIED R1DO ROGGE AND EO CHAFFEE.

\*\*\* UPDATE AT 1950 EDT BY JEFF SMITH TAKEN BY LEWIS \*\*\*

CURRENT PLANT CONDITIONS: THE REACTOR IS AT 350 DEGREES F AND 450 PSIG. LICENSEE IS CONTINUING TO COOLDOWN AND PLANS TO GO TO COLD SHUTDOWN.

Power Reactor

Event # 25886

THE CURRENT LEAK RATE IS 2.8 GPM.

THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT WHEN THE LEAK RATE IS BELOW 1 GPM OR WHEN UNIT 2 ENTERS MODE 5. UNIT 2 IS EXPECTED TO ENTER MODE 5 BY 0400 ON 08/06/93.

HOO NOTIFIED R1DO ROGGE AND EO ROSSI.

\*\*\* UPDATE AT 2310 EDT TAKEN BY LEWIS \*\*\*

CURRENT PLANT CONDITIONS: LEAK RATE IS 2.5 GPM; MODE 4 COOLING DOWN TO MODE 5.

\*\*\* UPDATE AT 1019 ON 08/06/93 BY FOSTER ENTERED BY HOO JOLLIFFE \*\*\*

AT 1001 IN 08/06/93, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO UNIT 2 REACHING MODE 5 (COLD SHUTDOWN). THE LEAK RATE IS LESS THAN 1 GPM. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. HOO NOTIFIED R1DO ROGGE, NRR EO CHAFFEE, AND FEMA BAGWELL.

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Power Reactor

Event # 25893

|   |  |  |  |
|---|--|--|--|
| Site: PALO VERDE                          |  | Notification Date / Time: 08/06/1993 22:49 (EDT) |  |
| Unit: 1 2 3 Region: 5 State : AZ          |  | Event Date / Time: 08/06/1993 19:30 (MST)        |  |
| Reactor Type: [1] CE,[2] CE,[3] CE        |  | Last Modification: 08/08/1993                    |  |
| Containment Type: DRY AMB DRY AMB DRY AMB |  |  |  |
| NRC Notified by: ROBERT SIMMONS           |  | Notifications: HOWARD WONG RDO                   |  |
| HQ Ops Officer: THOMAS ANDREWS            |  | ERNIE ROSSI EO                                   |  |
| Emergency Class: UNUSUAL EVENT            |  | STEINDURF FEMA                                   |  |
| 10 CFR Section:                           |  |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED         |  |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 75         | Power Operation | 75         | Power Operation |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AT 1930 MST, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO LOSS OF POWER TO THE METEOROLOGICAL TOWER.

THE POWER LOSS OCCURRED DURING A SEVERE THUNDER AND LIGHTNING STORM. CURRENT WEATHER CONDITIONS AT THE PLANT ARE LIGHT RAIN AND WINDS WITH SEVERE LIGHTNING AND THUNDER. THE LICENSEE IS IN CONTACT WITH THE NATIONAL WEATHER SERVICE TO KEEP TRACK OF WEATHER CONDITIONS THAT MAY BE DEVELOPING.

THE PLANT DID NOT LOOSE OFFSITE POWER DURING THE EVENT. OFFSITE POWER IS AVAILABLE AND STEADY. THE DIESELS ARE OPERABLE SHOULD THEY BE NEEDED. UNIT 2 IS SHUT DOWN AND IN MODE 5. UNITS 1 AND 3 ARE OPERATING AT STEADY STATE WITH NO PROBLEMS. THE LICENSEE DOES NOT PLAN ON CHANGING PLANT POWER AS A RESULT OF THIS EVENT.

THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE RESTORING POWER TO THE METEOROLOGICAL TOWER. ARIZONA PUBLIC SERVICE IS RESPONDING TO RESTORE POWER TO THE METEOROLOGICAL TOWER. HOWEVER, UNTIL THEY CAN GET ON THE SCENE AND ASSESS THE SITUATION, AN ESTIMATED TIME REQUIRED TO RESTORE POWER CANNOT BE MADE.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS LIKELY.

\*\*\* UPDATE 08/07/93 0110 EDT FROM:SIMMONS BY:SCARFO \*\*\*

THE LICENSEE REPORTS THAT THE WINDSPEED/DIRECTION MONITORS ON THE METEOROLOGICAL TOWER ALSO SUSTAINED DAMAGE DUE TO EXCESSIVE WIND CONDITIONS. REPAIR OF THOSE MONITORS IS ANOTHER CONDITION FOR EXITING THE NOUE. REPAIRS TO THE METEOROLOGICAL TOWER POWER LINES ARE ONGOING. A PRESS RELEASE REGARDING THE DECLARATION OF NOUE HAS BEEN ISSUED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R5DO(WONG), EO(ROSSI) HAVE BEEN NOTIFIED.

Power Reactor

Event # 25893

\*\*\* 08/08/93 0214EDT FROM:BRECHTEL BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 2607MST ON 08/07/93 WHEN TEMPORARY POWER WAS ESTABLISHED TO THE METEOROLOGICAL TOWER AND WINDSPEED/DIRECTION INSTRUMENTS (THOSE UTILIZED IN OFFSITE DOSE ASSESSMENT) ON THE 35 FT LEVEL WERE RETURNED TO SERVICE. WINDSPEED/DIRECTION INSTRUMENTS ON THE 200 FT LEVEL REMAIN INOPERABLE AND THE UNIT REMAINS IN TECHNICAL SPECIFICATION ACTION STATEMENT 3.3.3.4 (7 DAY LCO). THE LICENSEE ANTICIPATES PERMANENT POWER WILL BE RE-ESTABLISHED AND OTHER REPAIRS WILL BE COMPLETED BY 08/09/93. STATE AND LOCAL AUTHORITIES WERE NOTIFIED. A PRESS RELEASE IS ANTICIPATED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R5DO(WONG), EO(ROSSI), FEMA(BELCHER) NOTIFIED.

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Power Reactor

Event # 25910

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: COOK                          |           | Notification Date / Time: 08/12/1993 18:23 (EDT) |   |
| Unit: 1 2                           | Region: 3 | State : MI                                       | Event Date / Time: 08/12/1993 17:45 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 08/12/1993                    |   |
| Containment Type: ICE COND ICE COND |           |  |   |
| NRC Notified by: RON SIEBER         |           | Notifications: ROBERT DEFAYETTE RDO              |   |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT      |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                     |           | WARREN IAT                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Hot Standby     | 0          | Hot Standby     |

UNSUBSTANTIATED BOMB THREAT WAS PHONED INTO THE D.C.COOK VISITORS CENTER. THE LICENSEE TOOK IMMEDIATE COMPENSATORY ACTIONS INCLUDING A GENERAL SITE AREA SEARCH AND A THOROUGH SEARCH OF ALL VITAL AREAS. THE SHIFT SUPERVISOR DECIDED TO DECLARE AN UNUSUAL EVENT BASED ON HIS DISCRETION. NOTIFICATION TO THE BERRIEN COUNTY SHERIFF'S DEPARTMENT WAS MADE AS WELL AS A COURTESY NOTIFICATION TO THE LOCAL FBI. STATE AND LOCAL AUTHORITIES AND THE RESIDENT INSPECTOR WERE ALSO INFORMED. TERMINATION WILL BE MADE WHEN THE TIME FOR BOMB DETONATION HAS PASSED.

\*\*\*UPDATE FROM LICENSEE:BOONE TO NRC:HUFFMAN AT 19:25 EDT ON 8/12/93\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 1920 EDT WHEN TIME FOR BOMB DETONATION HAD EXPIRED. EO(BOGER), R3DO(DEFAYETTE), AND FEMA(AUSTIN) NOTIFIED.

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Power Reactor

Event # 25911

|                                |                    |  |   |
|--------------------------------|--------------------|--|---|
| Site: FERMI                    |                    | Notification Date / Time: 08/13/1993 10:53 (EDT) |   |
| Unit: 2                        | Region: 3          | State : MI                                       | Event Date / Time: 08/13/1993 09:46 (EDT) |
| Reactor Type: [2] GE-4         |                    | Last Modification: 08/13/1993                    |   |
| Containment Type: MARK I       |                    |  |   |
| NRC Notified by: KEVIN MORRIS  |                    | Notifications: ROBERT DEFAYETTE RDO              |   |
| HQ Ops Officer: RUDY KARSCH    |                    | CHRIS GRIMES EO                                  |   |
| Emergency Class: UNUSUAL EVENT |                    | SHULL FEMA                                       |   |
| 10 CFR Section:                |                    | ONT,CANADA, DR. PILT EP                          |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED |  |   |
| 50.72(b)(1)(iv)                | ECCS INJECTION     |  |   |
| 50.72(b)(2)(ii)                | RPS ACTUATION      |  |   |
| 50.72(b)(2)(ii)                | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | A/R        | Yes     | 93         | Power Operation | 0          | Hot Shutdown    |

TURBINE TRIP/FEEDWATER TRIP FOLLOWED BY REACTOR TRIP. UNUSUAL EVENT DECLARED AT 1015 EDT DUE TO ECCS ACTUATION.

TURBINE TRIP AND FEED PUMP TRIP DUE TO A SPURIOUS LEVEL 8 SIGNAL, FOLLOWED BY A REACTOR TRIP. HPCI AND RCIC INITIATED ON A VALID LEVEL 2 SIGNAL. AN UNUSUAL EVENT WAS DECLARED AT 1015 EDT DUE TO ECCS ACTUATION AND INJECTION INTO THE REACTOR VESSEL.

ALL CONTROL RODS FULLY INSERTED INTO THE CORE. MAIN CONDENSER VACUUM WAS LOST DUE TO A LOSS OF GLAND SEAL STEAM. THIS INITIATED CLOSURE OF THE MAIN STEAM ISOLATION VALVES. SAFETY RELIEF VALVES WERE OPENED MANUALLY TO CONTROL REACTOR PRESSURE, TO REMOVE DECAY HEAT, AND PROVIDE EVEN HEATING OF THE TORUS. RESIDUAL HEAT REMOVAL IS IN THE TORUS COOLING MODE. INVENTORY MAKEUP IS VIA STANDBY FEEDWATER. THE PLANT IS STABLE.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND ONTARIO, CANADA.

\*\*\*UPDATE FROM LICENSEE:HOSKINS TO NRC:HUFFMAN AT 1931 EDT ON 8/13/93\*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT AT 1910 EDT AFTER A NORMAL POST TRIP HOT SHUTDOWN CONFIGURATION WAS RE-ESTABLISHED. SPECIFICALLY, MSIV'S OPENED; MAIN CONDENSER RE-ESTABLISHED AS NORMAL HEAT SINK; CONDENSATE FEED; RHR RETURNED TO STANDBY; HPCI & RCIC SECURED. REACTOR PRESSURE IS AT 535 PSI WITH NORMAL PRESSURE CONTROL. LICENSEE STATES THAT THE LENGTH OF TIME FOR REMAINING IN THE UE WAS A RESULT OF PROBLEMS WITH THERMAL STRATIFICATION AND SATISFYING TEMPERATURE CONDITIONS FOR RESTART OF A RECIRC PUMP.

THE INITIAL EVENT WAS CAUSED BY A FALSE LEVEL 8 SIGNAL WHEN A WATER LEVEL REFERENCE LEG VALVE IN AN INSTRUMENT RACK WAS INADVERTENTLY OPENED WHILE TAPE WAS BEING REMOVED FROM THE VALVE HANDLE.

Power Reactor

Event # 25911

LOSS OF CONDENSER VACUUM WAS DUE TO THE LOSS OF GLAND SEAL. THE LICENSEE'S GLAND SEAL REGULATING SYSTEM HAS APPARENTLY BEEN MALFUNCTIONING FOR SOME TIME AND WAS IN MANUAL CONTROL AND THE NORMAL INLET TO THE GLAND SEAL STEAM WAS ISOLATED. DURING A REACTOR TRIP/TURBINE TRIP SCENARIO, THE LICENSEE MUST MANUALLY RESTORE RESTORE GLAND SEAL STEAM OR RISK LOSING THE CONDENSER AS A HEAT SINK.

THE NRC RESIDENT INSPECTOR, R3DO(DEFAYETTE), EO(BOGER) AND FEMA(AUSTIN) HAVE BEEN NOTIFIED.

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Power Reactor

Event # 25932

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SURRY                         |           | Notification Date / Time: 08/17/1993 07:08 (EDT) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 08/17/1993 06:35 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 08/17/1993                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: JIM LASTAUCKAS     |           | Notifications: PAUL FREDRICKSON RDO              |   |
| HQ Ops Officer: THOMAS ANDREWS      |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT      |           | BERNICE CARR FEMA                                |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

LICENSEE DECLARED AN UNUSUAL EVENT AT 0635 EDT WHEN THEY LOST METEOROLOGICAL INDICATION IN THE MAIN CONTROL ROOM. THIS WAS A RESULT OF LOOSING BOTH PRIMARY AND ALTERNATE POWER TO THE METEOROLOGICAL TOWER. THE LICENSEE IS INVESTIGATING THE CAUSE OF THE POWER LOSS. VIRGINIA POWER IS DISPATCHING A CREW TO RESTORE POWER. THE LICENSEE CLASSIFIED THE CURRENT WEATHER AS FAIR.

THE UNUSUAL EVENT WILL BE TERMINATED WHEN METEOROLOGICAL INDICATION IS RESTORED TO THE MAIN CONTROL ROOM.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.

\*\*\*\* UPDATE BY: JOHNSON TO: LEWIS AT TIME: 10:49 \*\*\*\*

UNUSUAL EVENT TERMINATED AT 10:44. THE LINE HAS BEEN REPAIRED AND POWER HAS BEEN RESTORED TO THE MET TOWER. THE MET TOWER IS NOW FUNCTIONING NORMALLY.

LICENSEE STATED THAT THERE WERE NO PROBLEMS DURING POWER RESTORATION.

LICENSEE HAS NOTIFIED STATE OFFICIALS AND THE NRC RESIDENT INSPECTORS.

HOO NOTIFIED R2DO (FREDICKSON), EO (GRIMES), & FEMA (EARL).

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Power Reactor

Event # 25951

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SURRY                         |           | Notification Date / Time: 08/21/1993 05:06 (EDT) |   |
| Unit: 1                             | Region: 2 | State : VA                                       | Event Date / Time: 08/21/1993 04:43 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 08/21/1993                    |   |
| Containment Type: DRY SUB           |           |  |   |
| NRC Notified by: BILL COX           |           | Notifications: AL HERDT RDO                      |   |
| HQ Ops Officer: STEVE SANDIN        |           | FRANK CONGEL EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | EARL FEMA  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNIT 1 DECLARED AN UNUSUAL EVENT DUE TO AN UNISOLABLE PRIMARY LEAK.

UNIT 1 SHUTDOWN ON 8/20/93 TO INSPECT THE "B" STEAM GENERATOR MANWAY FOR LEAKAGE. THE LICENSEE WAS AWARE OF LEAKAGE IN THIS AREA SINCE 6/26/93. AFTER REMOVING LAGGING IT WAS DETERMINED THAT THE SOURCE OF THE LEAKAGE WAS A SMALL PARTIAL CIRCUMFERENTIAL CRACK IN THE WELD WHERE THE 1" CHANNEL HEAD DRAIN VALVE "1RC162" IS ATTACHED TO THE SG. ESTIMATED LEAKRATE IS 0.2 GPM. UNIT 1 ENTERED LCO A/S 3.1.C SECTION 4 FOR AN UNISOLABLE PRIMARY LEAK WHICH REQUIRES THAT THE UNIT BE IN COLD SHUTDOWN IN 30 HRS. THE LICENSEE IS BORATING AND ESTIMATES THAT THE UNIT WILL BE IN COLD SHUTDOWN AT ~1500EDT AT WHICH TIME THE UNUSUAL EVENT WILL BE TERMINATED. RCS PRESSURE AND TEMPERATURE IS CURRENTLY 2235# AND 547F. PRIMARY ACTIVITY IS 3.22E(-1) MICROCURIES/ML. THERE WAS A SMALL INCREASE IN CONTAINMENT RAD LEVELS WHEN THE LAGGING WAS REMOVED, HOWEVER, ALL RAD MONITORS REMAIN BELOW THEIR ALERT LEVELS. ALL SAFETY RELATED EQUIPMENT IS AVAILABLE. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. IT HAS NOT BEEN DECIDED WHETHER A PRESS RELEASE WILL BE ISSUED AT THIS TIME.

\*\*\* UPDATE 0615EDT 08/21/93 FROM COX BY S.SANDIN \*\*\*  
BORATION HAS BEEN COMPLETED. HOT SHUTDOWN WALKDOWNS ARE IN PROGRESS.

\*\*\* UPDATE 0805EDT 08/21/93 FROM GRIFFIN BY S.SANDIN \*\*\*  
WILL COMMENCE COOLDOWN AT 0830EDT. NO OTHER CHANGES.

\*\*\* UPDATE 1000EDT 08/21/93 FROM GRIFFIN BY S.SANDIN \*\*\*  
COOLDOWN COMMENCED AT 0901EDT. CURRENTLY IN INTERMEDIATE SHUTDOWN WITH RCS PRESSURE AND TEMPERATURE OF 1980# AND 518F. NO CHANGE IN THE LEAKRATE. ESTIMATED COLD SHUTDOWN IS NOW 2000EDT.

\*\*\* UPDATE 0135EDT 08/22/93 FROM HARRIS BY S.SANDIN \*\*\*

05/19/2005

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Power Reactor

Event # 25951

COOLDOWN CONTINUING. RCS PRESSURE AND TEMPERATURE 325# AND 205F. NO CHANGE IN THE LEAKRATE.

\* \* \* UPDATE 0248EDT 08/22/93 FROM HARRIS BY S.SANDIN \* \* \*

UNIT REACHED COLD SHUTDOWN. LICENSEE TERMINATED THE UNUSUAL EVENT AT 0243EDT. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R2DO(HERDT), EO(CONGEL), AND FEMA(SHULL).

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Power Reactor

Event # 25996

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SURRY                         |           | Notification Date / Time: 08/31/1993 06:17 (EDT) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 08/31/1993 06:10 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 09/01/1993                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: ERNEST HOWARD      |           | Notifications: CHRIS CHRISTENSEN RDO             |   |
| HQ Ops Officer: JOSEPH SEBROSKY     |           | EDWARD BUTCHER EO                                |   |
| Emergency Class: UNUSUAL EVENT      |           |  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 78         | Power Operation | 78         | Power Operation |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO HURRICANE WARNING BEING POSTED FOR THE AREA.

UNIT 1 IS HOLDING AT 78 PERCENT POWER AND UNIT 2 WILL MAINTAIN COLD SHUTDOWN CONDITIONS. THE LICENSEE IS TRACKING THE HURRICANE AND WILL COMMENCE SHUTTING DOWN UNIT 1 WHEN HURRICANE FORCE WINDS ARE PROJECTED TO BE ONSITE WITHIN 10 HOURS. ALL DIESEL GENERATORS ON SITE, AND ALL SHUTDOWN SYSTEMS ARE OPERABLE AT THIS TIME.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR

\*\*\*UPDATE @ 0520EDT 09/01/93 BY PAVLOSKY TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0515 EDT WHEN HURRICANE WARNING WAS LIFTED. LICENSEE WILL NOTIFY THE RESIDENT INSPECTOR. R2DO (AL IGNATONIS), EO (ED BUTCHER), & FEMA (LUZONIS) NOTIFIED.

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Power Reactor

Event # 25999

|                                 |                    |  |   |
|---------------------------------|--------------------|--|---|
| Site: NINE MILE POINT           |                    | Notification Date / Time: 08/31/1993 15:19 (EDT) |   |
| Unit: 1                         | Region: 1          | State : NY                                       | Event Date / Time: 08/31/1993 14:55 (EDT) |
| Reactor Type: [1] GE-2,[2] GE-5 |                    | Last Modification: 08/31/1993                    |   |
| Containment Type: MARK I        |                    |  |   |
| NRC Notified by: BIERBRAUER     |                    | Notifications: GENE KELLY RDO                    |   |
| HQ Ops Officer: GREG SCARFO     |                    | CHAFFEE EO                                       |   |
| Emergency Class: UNUSUAL EVENT  |                    | MOSTELLER FEMA                                   |   |
| 10 CFR Section:                 |                    | JORDAN AEOD                                      |   |
| 50.72(a)(1)(i)                  | EMERGENCY DECLARED | BROCKMAN   | IRB                                       |
| 50.72(b)(1)(iii)                | LIGHTNING          | LANNING  | R1  |
| 50.72(b)(2)(ii)                 | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 97         | Power Operation | 85         | Power Operation |

AT 1455EDT, AN NOUE WAS DECLARED WHEN A LIGHTNING STRIKE CAUSED A MOMENTARY LOSS OF OFFSITE POWER. THE NOUE WAS TERMINATED AT 1508EDT WHEN THE NORMAL ELECTRICAL LINEUP WAS RE-ESTABLISHED.

AT 1434EDT, A LIGHTNING STRIKE OCCURRED WHICH CAUSED OFFSITE 115KV POWER LINE #1 (SOUTH OSWEGO) AND 115KV LINE #4 (LIGHTHOUSE HILL) TO DE-ENERGIZE AND BREAKERS "R40" AND "R10" TO OPEN. THIS RESULTED IN SAFETY BUSES "102" AND "103" TO PARTIALLY DE-ENERGIZE AND EMERGENCY DIESEL GENERATORS "102" AND "103" TO AUTOSTART AND LOAD. THIS ALSO DE-ENERGIZED BUS "101", THE OFFSITE POWER SOURCE FOR RECIRCULATION PUMP "13", AND RESULTED IN A RECIRCULATION PUMP TRIP. OTHER SIGNIFICANT LOADS FROM BUS "101" SUCH AS CONDENSATE PUMP "12" AND FEEDWATER BOOSTER PUMP "12" WERE NOT IN SERVICE AND DID NOT AFFECT PLANT OPERATIONS. AT 1455EDT, AN NOUE WAS DECLARED DUE TO THE MOMENTARY LOSS OF OFFSITE POWER LINES #1 AND #4. REACTOR POWER RANBACK TO 87% DUE TO THE DECREASE IN FLOW. AT NO TIME DID THE UNIT ENTER OR OPERATE IN THE INSTABILITY REGION. NO REACTOR SCRAM OCCURRED AND NONE WAS EXPECTED.

OFFSITE POWER LINE #4 RE-ENERGIZED FOR UNKNOWN REASONS WITHIN SEVERAL CYCLES AND BREAKER "R40" AUTOCLOSED WHICH RE-ESTABLISHED OFFSITE POWER TO THE AFFECTED BUSES. OFFSITE POWER LINE #1 WAS RETURNED TO SERVICE WITHIN MINUTES, AS WELL. NO OTHER ENGINEERED SAFETY FEATURES (ESF) ACTUATIONS OCCURRED.

AT 1508EDT, THE NOUE WAS TERMINATED WHEN THE NORMAL ELECTRICAL CONFIGURATION WAS RE-ESTABLISHED (SAFETY BUSES AND RECIRC PUMP "13" POWERED FROM OFFSITE POWER LINES #1 AND #4).

THE LOSS OF OFFSITE POWER LINE #4 (LIGHTHOUSE HILL) COINCIDED WITH THE LOSS OF OFFSITE POWER LINE #3 TO THE FITZPATRICK NUCLEAR POWER PLANT. THESE LINES ARE A COMMON OFFSITE POWER SOURCE FOR BOTH FACILITIES. HOWEVER, THE LOSS OF THIS LINE DID NOT

Power Reactor

Event # 25999

AFFECT FITZPATRICK PLANT OPERATIONS BECAUSE ALL PLANT LOADS ARE NORMALLY POWERED FROM THE UNIT GENERATOR DURING FULL POWER OPERATIONS. WHEN LINE #4 RE-ENERGIZED, LINE #3 DID AS WELL. COINCIDENTALLY, NINE MILE POINT UNIT #2 DISABLED OFFSITE POWER LINE #5 TO PERFORM MAINTENANCE ON BREAKER "R50" PRIOR TO THE LIGHTNING EVENT. THE ALTERNATE OFFSITE POWER LINE (#6) REMAINED IN SERVICE AND THE UNIT REMAINED AT 100% POWER THROUGHOUT THE EVENT.

CURRENTLY, NINE MILE POINT UNIT #1 IS STABLE AT 97% POWER AND FITZPATRICK IS STABLE AT 100% POWER. NINE MILE POINT UNIT #2 IS AT 100% POWER WITH ONE AVAILABLE OFFSITE POWER SOURCE (LINE #6) DUE TO CONTINUING BREAKER MAINTENANCE. TORNADO WARNINGS ARE IN EFFECT IN THE AREA. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 26020

|                                      |           |  |   |
|--------------------------------------|-----------|--|---|
| Site: VERMONT YANKEE                 |           | Notification Date / Time: 09/03/1993 13:19 (EDT) |   |
| Unit: 1                              | Region: 1 | State : VT                                       | Event Date / Time: 09/03/1993 12:50 (EDT) |
| Reactor Type: [1] GE-4               |           | Last Modification: 09/03/1993                    |   |
| Containment Type: MARK I             |           |  |   |
| NRC Notified by: DAVID HALLONQUIST   |           | Notifications: GENE KELLY RDO                    |   |
| HQ Ops Officer: WILLIAM HUFFMAN      |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT       |           | CHARLES BAGWELL FEMA                             |   |
| 10 CFR Section:                      |           | KEN BROCKMAN AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |           | FOUCHARD PAO                                     |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

## UNUSUAL EVENT DECLARED DUE TO DROPPED FUEL ASSEMBLY

AN UNUSUAL EVENT WAS DECLARED DURING REFUELING OPERATIONS WHEN A FUEL ASSEMBLY WAS DROPPED. THE FUEL ASSEMBLY WAS BEING WITHDRAWN FROM THE REACTOR CORE (POSITION 21-14) WHEN IT SOMEHOW BECAME DISLODGED FROM THE GRAPPLE AND FELL BACK INTO THE CORE INTO ITS ORIGINAL LOCATION. THE ASSEMBLY APPEARS TO BE SEATED IN A NORMAL, UPRIGHT POSITION (i.e. NOT LEANING OR RESTING AGAINST OTHER ASSEMBLIES). THE DISTANCE OF THE FALL WAS INITIALLY ESTIMATED TO BE APPROXIMATELY TWO FEET, BUT HAS BEEN SUBSEQUENTLY REVISED TO BETWEEN 50 AND 80 INCHES.

COINCIDENT WITH THE ASSEMBLY BEING DROPPED, THE STACK RADIATION MONITOR SPIKED FROM 80 CPM TO 160 CPM. THE STACK MONITOR IS CURRENTLY AT 100 CPM AND SLOWLY RETURNING TO THE PRE-EVENT LEVEL. THE LICENSEE STATES THAT THIS IS APPROXIMATELY .02% OF THEIR TECH SPEC RELEASE LIMIT.

THE FUEL ASSEMBLY WAS BEING DISCHARGED FROM THE REACTOR TO THE SPENT FUEL POOL. IT HAS BEEN USED FOR THREE OPERATING CYCLES.

THE STATUS ON POTENTIAL FUEL DAMAGE OR THE CAUSE OF THE ASSEMBLY TO COME UNGRAPPLED IS STILL UNKNOWN. ALL PERSONNEL WERE IMMEDIATELY EVACUATED FROM THE REFUELING FLOOR AND DRYWELL PER PLANT PRECAUTIONARY PROCEDURES. NO ONE WILL BE PERMITTED TO RETURN TO THE REFUELING DECK UNTIL HEALTH PHYSICS AUTHORIZES REENTRY. AIR SAMPLES AND GENERAL RADIATION MONITORING IS CURRENTLY IN PROGRESS. SO FAR, ALL READINGS APPEAR TO BE NORMAL.

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED. THE LICENSEE HAS ALSO NOTIFIED STATE AND LOCAL AUTHORITIES AND PLANS ON ISSUING A PRESS RELEASE.

Power Reactor

Event # 26020

\*\*\* UPDATE FROM GHILANI TO HUFFMAN @ 15:42 ON 9/3/93 \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 15:30 EDT BASED ON STABLE CONDITIONS OF THE FUEL ASSEMBLY AND NO EVIDENCE OF RADIOACTIVE RELEASE IN PROGRESS.

THE LICENSEE HAD NO ADDITIONAL INFORMATION OF ANY DAMAGE TO THE FUEL ASSEMBLY OR CAUSE OF THE LOSS OF GRAPPLING. THE INVESTIGATION IS CONTINUING. FUEL MOVEMENT WILL NOT RESUME UNTIL THE EXACT CAUSE OF THIS EVENT HAS BEEN DETERMINED.

R1DO (KELLY) EO (CHAFFEE) AND FEMA (STINEDRUF) NOTIFIED BY HOO.

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Power Reactor

Event # 26062

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 09/14/1993 19:28 (EDT) |            |   |
| Unit: 2                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 09/14/1993 19:23 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 09/15/1993                    |            |   |
| Containment Type: DRY AMB                |            |           |            |  |            |   |
| NRC Notified by: JOHN RILEY              |            |           |            | Notifications: JOHN KINNEMAN                     |            | RDO                                       |
| HQ Ops Officer: WILLIAM HUFFMAN          |            |           |            | GUS LAINAS                                       |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |           |            | SIMMER   |            | FEMA                                      |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

TECH SPEC REQUIRED SHUTDOWN DUE TO QUESTIONABLE CAPABILITY OF SOME MOTOR OPERATED VALVES.

LICENSEE REVIEW OF INDUSTRY INFORMATION PROVIDED BY THE CRYSTAL RIVER PLANT HAS BROUGHT INTO QUESTION THE OPERABILITY OF MOTOR OPERATED VALVES WITH MOTOR BRAKES. THE LICENSEE LEARNED THROUGH A NUCLEAR INFORMATION EXCHANGE NETWORK THAT THE MOTOR BRAKES ON MOV'S WHICH ARE SO EQUIPPED MAY NOT RELEASE UNDER DEGRADED VOLTAGE CONDITIONS. INFORMATION ON THE EXACT FUNCTION OF THE BRAKES WAS NOT PROVIDED BUT IT IS BELIEVED THAT THIS TYPE OF MOV IS UNCOMMON (NAME OF THE MANUFACTURER WAS ALSO UNAVAILABLE).

REVIEW OF THE MILLSTONE SITE FOR MOV'S WITH MOTOR BRAKES DETERMINED THAT THEY ARE USED ON FOUR FEEDWATER SUPPLY VALVES. THE SPECIFIC VALVES ARE THE FEED PUMP DISCHARGE ISOLATION VALVES AND THE FEED REG VALVE BLOCK VALVES. THE LICENSEE RELIES ON THESE VALVES AS A BACKUP FOR FEEDWATER ISOLATION REQUIRED DURING A MAIN STEAM LINE BREAK ACCIDENT. BECAUSE THE OPERATION OF THE MOTOR BRAKES UNDER DEGRADED VOLTAGE CONDITIONS CAN NOT BE VERIFIED AT POWER, THE LICENSEE HAS DECLARED THEM INOPERABLE. THIS PLACES THE UNIT INTO TECH SPEC LCO 3.0.3 AND REQUIRES THE UNIT TO PROCEED TO HOT SHUTDOWN CONDITIONS.

A TECH SPEC REQUIRED SHUTDOWN AT MILLSTONE PLACE THEM INTO AN UNUSUAL EVENT PER THEIR EMERGENCY ACTION LEVELS. THE LICENSEE PLANS TO CONDUCT AN ORDERLY SHUTDOWN AND TEST THE VALVE MOTOR BRAKES FOR OPERABILITY UNDER DEGRADED VOLTAGE CONDITIONS. THEY ARE ALSO REVIEWING A DESIGN CHANGE TO DISABLE THE MOTOR BRAKES ON THESE VALVES.

LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

Power Reactor

Event # 26062

\*\*\* UPDATE AT 1002 ON 09/15/93 BY MULLIN ENTERED BY HOO JOLLIFFE \*\*\*

AT 1002 ON 09/15/93, WITH UNIT 2 IN MODE 3 (HOT STANDBY), LICENSEE CLOSED THE 2 FEED PUMP DISCHARGE ISOLATION VALVES AND THE 2 FEED REG VALVE BLOCK VALVES AND TERMINATED THE UNUSUAL EVENT.

LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND DOES NOT PLAN TO NOTIFY STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R1DO KINNEMAN, NRR EO CHAFFEE, FEMA WRIGHT.

\*\*\* UPDATE AT 1435 ON 09/15/93 BY THIERLING ENTERED BY HOO LEWIS \*\*\*

AT 1416 ON 09/15/93, LICENSEE NOTIFIED THE STATE OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R1DO KINNEMAN.

NOTE: SEE EVENT #26064 FOR A RELATED EVENT.

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Power Reactor

Event # 26122

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: HADDAM NECK                      |            | Notification Date / Time: 09/27/1993 14:16 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 1  | State : CT                                       | Event Date / Time: 09/27/1993 13:30 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP               |            | Last Modification: 09/27/1993                    |   |                 |            |                 |
| Containment Type:                      |            |  |   |                 |            |                 |
| NRC Notified by: MCCracken             |            | Notifications: COSTELLO                          | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD         |            | CHAFFEE  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | SIMMERS  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 80         | Power Operation |

THE PLANT STARTED A SLOW SHUTDOWN DUE TO A POTENTIALLY INOPERABLE CONTAINMENT ISOLATION VALVE(SS-SOV-151D).

DURING A CASUAL OBSERVATION OF VALVE INDICATIONS IN THE CONTROL ROOM, IT WAS NOTED THAT A SAMPLE SYSTEM CONTAINMENT ISOLATION VALVE(SS-SOV-151D) WAS DISPLAYING DUAL INDICATIONS(OPEN & CLOSED). THIS VALVE WAS DETERMINED TO BE INOPERABLE, SINCE ITS POSITION CAN NOT BE VERIFIED, PUTTING THEM IN A 4 HOUR LCO ACTION STATEMENT TO ISOLATE THE IN SERIES VALVE(SS-SOV-151C). THEY ARE CURRENTLY IN A HOLD ON THE POWER REDUCTION. STATE AND LOCAL GOVERNMENTS HAVE BEEN NOTIFIED. THE RI WAS INFORMED.

\*\*\* UPDATE FROM MCCracken AT 1510 9/27/93 TO LEWIS \*\*\*

THE LICENSEE TERMINATED THE UE AT 1407, WHEN IT WAS DETERMINED THEY WERE IN A 4 HOUR LCO THAT DID NOT REQUIRE A NOUE.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED THE R1DO (COSTELLO), EO (CHAFFEE) AND FEMA (SIMMER)

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Power Reactor

Event # 26125

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MCGUIRE                          |            | Notification Date / Time: 09/27/1993 17:05 (EDT) |   |                 |            |                 |
| Unit: 2                                | Region: 2  | State : NC                                       | Event Date / Time: 09/27/1993 16:40 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 09/29/1993                    |   |                 |            |                 |
| Containment Type: ICE COND             |            |  |   |                 |            |                 |
| NRC Notified by: MCCORKLE              |            | Notifications: CAUDLE JULIAN RDO                 |   |                 |            |                 |
| HQ Ops Officer: JACK LEWIS             |            | JACK ROE EO                                      |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | BAGWELL FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N          | Yes  | 100                                       | Power Operation | 95         | Power Operation |

-SHUTTING DOWN DUE TO UNIDENTIFIED LEAKAGE GREATER THAN 1 GPM-

THE LICENSEE REPORTED UNIDENTIFIED REACTOR COOLANT SYSTEM LEAKAGE OF 1.2 GPM, WHICH IS GREATER THAN THE 1 GPM ALLOWED BY TECHNICAL SPECIFICATIONS.

THE LEAK RATE IS CALCULATED BY A COMPUTER PROGRAM AND WAS VERIFIED BY CHECKING THE MAKE UP RATE TO THE VOLUME CONTROL TANK. THE LEAK WAS DETECTED AT 1022 EDT AND ATTEMPTS ARE IN PROGRESS TO DETERMINE THE SOURCE OF THE LEAK.

THE LICENSEE STATED THAT THEY WOULD BE IN MODE 3 BY 2022 EDT IF THE LEAK CONTINUED TO BE GREATER THAN TECHNICAL SPECIFICATION LIMITS.

THE LICENSEE PLANS TO TERMINATE THE UE WHEN THE LEAK RATE IS REDUCED TO ALLOWABLE LIMITS.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE LICENSEE ALSO NOTIFIED STATE AND COUNTY OFFICIALS.

\*\*\* UPDATE FROM WILLIAMS AT 2123 9/27/93 TO LEWIS \*\*\*

THE REACTOR IS SHUTDOWN IN MODE 3 AT 1913 EDT, THEY ARE STILL IN THE UE AT THIS TIME WITH LEAKAGE RATE OF APPROXIMATELY 1.2 GPM. THE SOURCE OF THE LEAK IS STILL UNDETERMINED.

\*\*\* UPDATE FROM PICKLER AT 0343 EDT 09/28/93 TAKEN BY MACKINNON\*\*\*

THE LEAK REPAIR CREW HAS ENTERED CONTAINMENT AND THEY FOUND THE MAJORITY OF THE UNIDENTIFIED LEAKAGE IS COMING FROM A SEAL RING TO A VALVE THAT THEY REPAIRED LAST

Power Reactor

Event # 26125

WEEK BEFORE STARTING UP. THE SEAL RING ON MANUAL ISOLATION VALVE FOR LETDOWN (2NC14) IS LEAKING. "2NC14" IS THE MANUAL ISOLATION FOR LETDOWN BETWEEN THE REACTOR COOLANT SYSTEM AND THE CVCS SYSTEM. PRESENTLY THEY ARE IN MODE 3 (HOT STANDBY) AND WILL MOST PROBABLY ASK THE NUCLEAR REGULATORY COMMISSION IF THEY CAN REFERMINITE THE VALVE. HUMIDITY, RADIATION LEVELS, & PARTICULATE VALUES INSIDE CONTAINMENT ARE NOT APPRECIABLY HIGHER THAN EXPECTED FOR HAVING STARTING UP AND THEN SHUT DOWN. R2DO (JULIAN) NOTIFIED.

RESIDENT INSPECTOR HAS BEEN FOLLOWING THIS EVENT.

\*\*\* UPDATE FROM PICKLER AT 0433 EDT ON 9/29/93 TAKEN BY HUFFMAN \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0401 EDT ON 9/29/93 WHEN THE LICENSEE REACHED COLD SHUTDOWN (MODE 5). STATE AND LOCAL AUTHORITIES HAVE BEEN INFORMED. THE RESIDENT INSPECTOR WILL BE NOTIFIED. R2DO(KELLOGG); EO(VIRGILIO); AND FEMA(LOUZANIS) HAVE BEEN TOLD.

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Power Reactor

Event # 26167

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 10/05/1993 09:53 (EDT) |   |                 |            |                 |
| Unit: 1                                  | Region: 1  | State : CT                                       | Event Date / Time: 10/05/1993 09:30 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 10/05/1993                    |   |                 |            |                 |
| Containment Type: MARK I                 |            |  |   |                 |            |                 |
| NRC Notified by: WIDDIFIELD              |            | Notifications: BORES RDO                         |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD           |            | DENNIG EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | BAGWELL FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION            |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1  | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Shutdown    |

THE PLANT HAD A REACTOR SCRAM FROM 100% POWER AND THE CAUSE AT THIS TIME IS UNKNOWN AND BEING INVESTIGATED.

AFTER THE SCRAM THEY HAD A FAILURE OF A FAST AUTO TRANSFER OF THE 14C BUS TO THE RESERVE STATION TRANSFORMER (RST), AND BECAUSE OF THIS EQUIPMENT FAILURE THEY DECLARED AN UNUSUAL EVENT AT 09:36. THE REASON FOR THE FAILURE OF THE AUTO TRANSFER TO THE RST WAS DUE TO A TRIPPED BREAKER. THE BREAKER WAS RESET AND POWER WAS RESTORED TO THE 14C BUS AND THE NOUE WAS ALSO TERMINATED AT 09:36. ALL RODS FULLY INSERTED AND NO RELIEF VALVES LIFTED. THE PLANT IS STABLE IN HOT S/D. THE RI WAS INFORMED ALONG WITH STATE AND LOCAL AGENCIES.

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Power Reactor

Event # 26177

|                                       |            |  |   |                 |            |                 |
|---------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: VOGTLE                          |            | Notification Date / Time: 10/07/1993 05:59 (EDT) |   |                 |            |                 |
| Unit: 2                               | Region: 2  | State : GA                                       | Event Date / Time: 10/07/1993 05:43 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP   |            | Last Modification: 10/07/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB             |            |  |   |                 |            |                 |
| NRC Notified by: KEITH POPE           |            | Notifications: KERRY LANDIS RDO                  |   |                 |            |                 |
| HQ Ops Officer: JOSEPH SEBROSKY       |            | WILLIAM TRAVERS EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT        |            | ED SIMMERS FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                       |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |            |  |   |                 |            |                 |
| Unit                                  | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                     | N          | No   | 0   | Refueling       | 0          | Refueling       |

A UNUSUAL EVENT WAS DECLARED DUE TO A TOXIC GAS RELEASE INTO THE UNIT 2 CONTROL BUILDING.

THE LICENSEE WAS ATTEMPTING TO FILL STEAM GENERATOR #1, AND CHEMICALS WERE BEING ADDED IN THE WATER SUPPLY LINE TO STEAM GENERATOR #1. THE CHEMICALS THAT WERE BEING ADDED WERE AMMONIA AND HYDRAZINE. WHEN THE CHEMICALS WERE SENT TO STEAM GENERATOR #1, A CLOSED VALVE LEAKED BY ALLOWING THE CHEMICALS TO DRAIN TO THE UNIT 2 DRAIN SYSTEM. THE AMMONIA AND HYDRAZINE LEVELS IN THE UNIT 2 CONTROL BUILDING WERE MEASURED AND SAMPLES INDICATED A 2 PPM CONCENTRATION IN AIR. THIS EXCEEDED THE THRESHOLD LIMIT VALUE OF 0.1 PPM. PERSONNEL WERE EVACUATED FORM THE AFFECTED AREAS AND A PURGE OF THE AFFECTED AREAS IS IN PROGRESS. THE LEAK HAS BEEN ISOLATED.

THE UNIT 2 CONTROL ROOM WAS NOT AFFECTED. RHR AND SPENT FUEL POOL COOLING ALSO WERE NOT AFFECTED. THERE WAS NO FUEL MOVEMENT IN PROGRESS AT THE TIME. THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT WHEN THE CONCENTRATIONS IN AIR RETURN TO BELOW THE THRESHOLD LIMIT OF 0.1 PPM. UNIT 1 IS CURRENTLY AT 100% POWER AND IS NOT AFFECTED BY THE RELEASE.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR AND HAS INFORMED LOCAL AND STATE OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

\*\*\* UPDATE FROM MEYER AT 1015 ON 10/7/93 TO LEWIS \*\*\*

THE LICENSEE TERMINATED THE UE AT 1009 10/7/93. THE VAPORS RELEASED DURING THE SPILL HAVE DISSIPATED AND ALL AREAS ARE NOW ACCESSIBLE.

ACTIONS WERE TAKEN TO CONFINE THE LIQUID RELEASED DURING THE SPILL TO THE DRAIN SYSTEM AND WASTE RETENTION BASIN. FURTHER ACTION TO DILUTE AND NEUTRALIZE THE SPILLED

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

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Power Reactor

Event # 26177

LIQUID ARE IN PROGRESS.

PLANT MANAGEMENT HAS FORMED AN EVENT INVESTIGATION TEAM TO DETERMINE THE ROOT CAUSE OF THE SPILL AND TO IDENTIFY CORRECTIVE ACTIONS NECESSARY TO PREVENT A RE-OCCURRENCE.

THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR, STATE, AND LOCAL OFFICIALS.  
THE LICENSEE ALSO PLANS A PRESS RELEASE.

NOTIFIED R2DO (LANDIS), EO (CHAFFEE), AND FEMA (DAMICO).

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Power Reactor

Event # 26192

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: BEAVER VALLEY                 |           | Notification Date / Time: 10/09/1993 13:23 (EDT) |   |
| Unit: 1 2                           | Region: 1 | State : PA                                       | Event Date / Time: 10/09/1993 12:40 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 10/09/1993                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: AL HARTNER         |           | Notifications: BOB BORES RDO                     |   |
| HQ Ops Officer: JOHN MacKINNON      |           | BILL TRAVERS EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | SCHULL FEMA                                      |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

POTENTIALLY CONTAMINATED INJURED PERSON TRANSPORTED OFFSITE VIA AMBULANCE TO BEAVER COUNTY MEDICAL CENTER.

PLANT EMPLOYEE WAS CLIMBING DOWN A LADDER IN THE PRESSURIZER CUBICLE IN HIS ANTI-Cs WHEN HIS FOOT SLIPPED ON ONE OF THE LADDER RUNGS AND HE FELL. HE RECEIVED A BADLY LACERATED LEG FROM THE FALL AND HE PASSED OUT FOR A SHORT PERIOD OF TIME. HE WAS GIVEN A QUICK FRISK WITH HIS ANTI-Cs ON AND TRANSPORTED OFFSITE IN AN AMBULANCE IN THE COMPANY OF A HEALTH PHYSICIST TO BEAVER COUNTY MEDICAL CENTER. HEALTH PHYSICIST WILL PERFORM A COMPLETE FRISK OF THIS INJURED PERSON AT THE MEDICAL CENTER.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

\*\*\*\*UPDATE 1348EDT 10/09/93 BY VALLECORA TAKEN BY MACKINNON\*\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 1340EDT. INJURED PERSON WAS FOUND NOT BE CONTAMINATED. R1DO (BOB BORES), EO (BILL TRAVERS), & FEMA (EARL) NOTIFIED.

RESIDENT INSPECTOR WILL BE NOTIFIED BY THE LICENSEE.

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Power Reactor

Event # 26214

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BEAVER VALLEY                 |            |           |            | Notification Date / Time: 10/13/1993 08:11 (EDT) |            |   |
| Unit: 1                             |            | Region: 1 |            | State : PA                                       |            | Event Date / Time: 10/13/1993 08:11 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |            |           |            | Last Modification: 10/14/1993                    |            |   |
| Containment Type: DRY SUB           |            |           |            |  |            |   |
| NRC Notified by: HARTNER            |            |           |            | Notifications: RICHARD KEIMIG RDO                |            |   |
| HQ Ops Officer: JACK LEWIS          |            |           |            | AL CHAFFEE EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | WRIGHT FEMA                                      |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby                               |

## -NOTIFICATION OF UNUSUAL EVENT-

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON REACTOR COOLANT SYSTEM BOUNDARY LEAKAGE FOUND ON CONTAINMENT INSPECTION.

THE LEAKAGE IS ON "A" REACTOR COOLANT COLD LEG VENT VALVE 1RC-27. THE LICENSEE SUSPECTS THE LEAKAGE TO BE COMING FROM A WELD BUT WILL HAVE TO REMOVE INSULATION FROM THE LINE TO DETERMINE EXACT SOURCE OF LEAKAGE.

THE LICENSEE IS GOING TO MODE 5 AND PLANS TO TERMINATE THE UE WHEN THEY REACH MODE 5.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS. THE LICENSEE ALSO STATED THEY MAY MAKE A PRESS RELEASE.

\*\*\* UPDATE 10/13/93 2113EDT FROM:KONOPKA BY:SCARFO \*\*\*

THE UNIT ENTERED MODE 4 (HOT SHUTDOWN) AT 1747EDT. THE RHR SYSTEM IS BEING PLACED IN SERVICE AT THIS TIME. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\* UPDATE DATE/TIME:10/14/93 @ 0313 EDT FROM LICENSEE:GUMBERT BY:McGINTY\*\*

UNIT 1 TERMINATED THE UNUSUAL EVENT UPON REACHING COLD SHUTDOWN CONDITIONS AT 0300 EDT ON 10/14/93. THIS SATISFIES THE CONDITIONS OF TS 3.4.6.2 RELATIVE TO THE PRESSURE BOUNDARY LEAKAGE. UNIT 1 IS SCHEDULED FOR A TWELVE DAY OUTAGE, AT WHICH TIME REPAIRS WILL BE MADE. THE ROOT CAUSE FOR THE LOSS OF OFF-SITE POWER EVENT IS STILL TO BE DETERMINED. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. HOO NOTIFIED THE R1DO (KEIMIG), NRR EO (CHAFFEE) AND FEMA (CARR).

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Power Reactor

Event # 26218

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 10/13/1993 23:46 (EDT) |   |
| Unit: 1                             | Region: 1 | State : NJ                                       | Event Date / Time: 10/13/1993 23:08 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/13/1993                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: DUTY               |           | Notifications: RICHARD KEIMIG RDO                |   |
| HQ Ops Officer: TIM McGINTY         |           | STEVEN VARGA EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | ROY FEMA   |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

A FIRE DUE TO CUTTING LASTING <10 MINS. OCCURRED IN THE AUX BLDG AT THE 78' ELEVATION ON INSULATION AT A PENETRATION.

AN UNUSUAL EVENT (UE) WAS DECLARED AT 2308 EDT DUE TO A FIRE LASTING LESS THAN 10 MINUTES. THE FIRE OCCURRED AT A PIPING PENETRATION AT THE 78' ELEVATION IN THE AUXILIARY BUILDING. DUE TO "CUTTING" THAT WAS BEING PERFORMED IN THE AREA, SOME INSULATION CAUGHT FIRE AT THE PENETRATION. THE PENETRATION HAS PIPING ASSOCIATED WITH THE CONTAINMENT SPRAY, RHR, CHARGING/LETDOWN AND FIRE PROTECTION SYSTEMS. THERE WAS NO DAMAGE TO ANY SAFETY STRUCTURES OR SYSTEMS.

THE FIRE WAS EXTINGUISHED BY PERSONNEL USING DRY CHEMICAL AND WATER FIRE EXTINGUISHERS. TWO PEOPLE HAVE BEEN SENT TO THE HOSPITAL DUE TO THE INHALATION OF DRY CHEMICAL FIRE EXTINGUISHER DISCHARGE. THE LICENSEE HAS NOTIFIED THE STATES OF DELAWARE AND NEW JERSEY, AND LOWER ALLOWAYS CREEK TOWNSHIP. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR.

\*\*\* UPDATE DATE/TIME:10/14/93 @ 0023 EDT FROM LICENSEE:DUTY BY: McGINTY\*\*\*

THE LICENSEE TERMINATED THE UE AT 2357 EDT ON 10/13/93. THE PERSONNEL SENT TO THE HOSPITAL HAVE BEEN DISCHARGED AND SENT HOME. THE CRITERIA FOR DECLARING THE UNUSUAL EVENT WAS BASED ON THE OVERALL POTENTIAL FOR PUBLIC INTEREST AND BEING IN THE BEST INTEREST TO MAKE EARLY NOTIFICATIONS AND AVOID UNDUE CONCERN. THE UE WAS TERMINATED BASED ON NOT BEING IN THE EALs, WITH NOT THREAT OF REFLASH. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. HOO INFORMED R1DO (KEIMIG), EO (CHAFFEE) AND FEMA (CARR).

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Power Reactor

Event # 26230

|  |  |           |  |  |  |   |
|--|--|-----------|--|--|--|---|
| Site: MILLSTONE                          |  |           |  | Notification Date / Time: 10/16/1993 10:30 (EDT) |  |   |
| Unit: 1                                  |  | Region: 1 |  | State : CT                                       |  | Event Date / Time: 10/16/1993 09:55 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |  |           |  | Last Modification: 10/17/1993                    |  |   |
| Containment Type: MARK I                 |  |           |  |  |  |   |
| NRC Notified by: ACKLEY                  |  |           |  | Notifications: WALTER PASCIAK                    |  | RDO                                       |
| HQ Ops Officer: JACK LEWIS               |  |           |  | STEVEN VARGA                                     |  | EO  |
| Emergency Class: UNUSUAL EVENT           |  |           |  | LOUZONIS   |  | FEMA                                      |
| 10 CFR Section:                          |  |           |  |  |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 70         | Power Operation | 55         | Power Operation |

-INOPERATIVE DIESEL GENERATOR AND FEEDWATER COOLANT INJECTION SYSTEM DUE TO SERVICE WATER LEAK-

TEXT OF FACSIMILE RECEIVED:

"ENGINEERING IDENTIFIED DEGRADATION OF SW (SERVICE WATER) PIPING DOWNSTREAM OF THE RBCCW (REACTOR BUILDING CLOSED COOLING WATER) HEAT EXCHANGERS. STATION MANAGEMENT DECLARED THE SW SYSTEM INOPERATIVE. THIS RESULTS IN INOPERABILITY OF THE DIESEL GENERATOR AND FEEDWATER COOLANT INJECTION SYSTEM WHICH ARE TECHNICAL SPECIFICATION SYSTEMS."

HOO NOTE: THIS DOES NOT AFFECT THE DIESEL OPERABILITY OF THE OTHER UNITS.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE LICENSEE WILL ALSO NOTIFY STATE AND LOCAL OFFICIALS.

REFERENCE EVENT #26229

\*\*\* UPDATE FROM THIERLING AT 0122 ON 10/17/93 TO LEWIS \*\*\*

THE LICENSEE TERMINATED THE UE AT 0121 AS A RESULT OF THE PLANT BEING IN COLD SHUTDOWN.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

NOTIFIED R1D0 PASCIAK, EO VARGA, FEMA LOUZONIS

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Power Reactor

Event # 26244

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: ARKANSAS NUCLEAR            |            |           |            | Notification Date / Time: 10/21/1993 09:00 (EDT) |            |   |
| Unit: 1                           |            | Region: 4 |            | State : AR                                       |            | Event Date / Time: 10/21/1993 07:30 (CDT) |
| Reactor Type: [1] B&W-L-LP,[2] CE |            |           |            | Last Modification: 10/21/1993                    |            |   |
| Containment Type: DRY AMB         |            |           |            |  |            |   |
| NRC Notified by: SOUTH            |            |           |            | Notifications: PHILIP WAGNER RDO                 |            |   |
| HQ Ops Officer: CHAUNCEY GOULD    |            |           |            | AL CHAFFEE EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | SIMMERS FEMA                                     |            |   |
| 10 CFR Section:                   |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| 50.72(b)(1)(vi) FIRE (ONSITE)     |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | Yes       | 40         | Power Operation                                  | 29         | Power Operation                           |

THE PLANT IS REDUCING POWER FROM 40% TO 20% DUE TO A SMOLDERING FIRE IN THE INSULATION UNDER THE HIGH PRESSURE TURBINE.

A NOUE WAS DECLARED AT 07:30CT AND TERMINATED AT 07:30CT DUE TO A FIRE WHICH LASTED APPROX. 7 MINS. THE FIRE STARTED SMOLDERING IN THE INSULATION UNDER THE HIGH PRESSURE TURBINE BECAUSE OIL HAD SOAKED THROUGH THE INSULATION. WHEN THE INSULATION WAS PULLED OFF, SOME FLAMES SHOT UP AND THE ONSITE FIRE BRIGADE WAS CALLED IN AT 07:17CT TO EXTINGUISH IT. THE FIRE BRIGADE IS STILL ON SITE WHILE THEY REMOVE THE REST OF THE INSULATION FROM UNDER THE HIGH PRESSURE TURBINE. THEY ARE TAKING THE PLANT TO 20% SO THAT IF THEY HAVE ANOTHER FLARE UP, THEY WILL TRIP THE TURBINE. THERE WAS NO DAMAGE WITH THE EXCEPTION TO THE INSULATION. THE NOUE WAS DECLARED SINCE THE FIRE BRIGADE IS REMAINING ON WATCH. NO OFFSITE ASSISTANCE WAS NEEDED. THE RI WAS INFORMED ALONG WITH STATE AND LOCAL AGENCIES.

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Power Reactor

Event # 26252

|                                     |           |  |  |
|-------------------------------------|-----------|--|--|
| Site: ZION                          |           | Notification Date / Time: 10/21/1993 22:40 (EDT) |  |
| Unit: 1 2                           | Region: 3 | Event Date / Time: 10/21/1993 21:35 (CDT)        |  |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/22/1993                    |  |
| Containment Type:                   |           |  |  |
| NRC Notified by: KIRT BOSNER        |           | Notifications: GEOFFREY WRIGHT RDO               |  |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | ASHOK THADANI EO                                 |  |
| Emergency Class: UNUSUAL EVENT      |           | BAGWELL FEMA                                     |  |
| 10 CFR Section:                     |           |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

## TRANSPORTATION OF CONTAMINATED INDIVIDUAL TO AN OFFSITE MEDICAL FACILITY.

A DECONTAMINATION WORKER IN THE UNIT 2 CONTAINMENT SOMEHOW MANAGED TO FALL INTO THE REACTOR CAVITY FROM GROUND LEVEL ELEVATION (ABOUT A 25 FOOT FALL). THE INDIVIDUAL IS CONSCIOUS AND APPEARS TO BE IN RELATIVELY GOOD SHAPE CONSIDERING THE FALL. HIS PROTECTIVE CLOTHING WAS CONTAMINATED BUT OTHER SPECIFICS CONCERNING HIS CONTAMINATION WERE NOT PROVIDED. HE HAS BEEN COVERED WITH A PAPER SUIT AND HOOD AND WILL BE ACCOMPANIED BY A RADIOLOGICAL TECHNICIAN TO THE HOSPITAL.

THE INJURED WORKER IS BEING TAKEN TO THE VICTORY MEMORIAL HOSPITAL. THE UNUSUAL EVENT WILL BE TERMINATED WHEN THE INDIVIDUAL IS DECONTAMINATED.

THE NRC RESIDENT WILL BE INFORMED. STATE AND LOCAL AUTHORITIES HAVE ALREADY BEEN NOTIFIED.

\*\*\* UPDATE 10/22/93 0142EDT FROM: BASNER BY: SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0035CDT WHEN THE CONTAMINATED WORKER WAS RETURNED TO THE SITE FROM THE HOSPITAL. THE WORKER WILL BE DECONTAMINATED AT THE SITE. R3DO(WRIGHT), EO(GRIMES), FEMA(WRIGHT) NOTIFIED.

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Power Reactor

Event # 26272

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: SALEM                         |            |           |            | Notification Date / Time: 10/26/1993 18:28 (EDT) |            |   |
| Unit: 1                             |            | Region: 1 |            | State : NJ                                       |            | Event Date / Time: 10/26/1993 17:31 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 10/26/1993                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: BECKER             |            |           |            | Notifications: CONTE                             |            | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD      |            |           |            | ZIMMERMAN  |            | EO  |
| Emergency Class: UNUSUAL EVENT      |            |           |            | MOSTELLER  |            | FEMA                                      |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | No        | 0          | Refueling  | 0          | Refueling                                 |

THE LICENSEE TRANSPORTED A POTENTIALLY CONTAMINATED PERSON TO AN OFFSITE MEDICAL FACILITY.

A POTENTIALLY CONTAMINATED WORKER WAS REMOVED FROM CONTAINMENT, BECAUSE OF POSSIBLE HEAT STRESS AND VOMITING, AND TRANSPORTED TO SALEM HOSPITAL. THERE WERE NO INJURIES TO THIS PERSON. THE NOUE WAS TERMINATED AT 18:33 WHEN IT WAS DETERMINED THAT ONLY HIS PC'S WERE CONTAMINATED. THEY WERE BAGGED AND ARE BEING SENT BACK TO THE SITE. THE RI WILL BE INFORMED. STATE AND LOCAL AGENCIES WERE INFORMED. THE MEDIA WILL ALSO BE INFORMED.

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Power Reactor

Event # 26299

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SALEM                         |            | Notification Date / Time: 11/02/1993 13:27 (EST) |   |                 |            |                 |
| Unit: 2                             | Region: 1  | State : NJ                                       | Event Date / Time: 11/02/1993 13:00 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 11/02/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: MIKE STRAUBMULLER  |            | Notifications: CLIFFORD ANDERSON RDO             |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN     |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | BERNICE CARR FEMA                                |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

FIRE IN LIGHTING TRANSFORMER IN THE TURBINE BUILDING.

AN UNUSUAL EVENT WAS DECLARED AT 1300 EST WHEN A FIRE WAS REPORTED IN A 230 VOLT LIGHTING TRANSFORMER (2HL) IN THE TURBINE BUILDING. THE FIRE BRIGADE RESPONDED AND THE TURBINE BUILDING WAS EVACUATED AS A PRECAUTIONARY MEASURE. THE FIRE LASTED FOR APPROXIMATELY 14 MINUTES AND WAS EXTINGUISHED WITHOUT DIFFICULTY. THERE IS NO ONGOING COMPLICATIONS FROM THIS EVENT.

THE LICENSEE IS CURRENTLY EVALUATING RELEASING THE TURBINE BUILDING FOR UNRESTRICTED USAGE. THERE IS NO SMOKE PROBLEM BUT SOME TEMPORARY LIGHTING NEEDS TO BE INSTALLED.

THE CAUSE OF THE FIRE IS STILL UNDER INVESTIGATION.

STATE AND LOCAL AUTHORITIES AND THE NRC RESIDENT INSPECTOR HAVE BEEN INFORMED.

\*\*\*UPDATE FROM LICENSEE:STRAUBMULLER TO NRC:HUFFMAN @ 1404 EST ON 11/2/93\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1357 EST. THE TURBINE BUILDING HAS BEEN CLEARED FOR GENERAL USE. THE FIRE HAS BEEN DETERMINED TO BE FROM A TEMPORARY CABLE ATTACHED TO THE LIGHTING TRANSFORMER TO SUPPORT UNIT 1 OUTAGE WORK. THE CABLE APPARENTLY OVERLOADED. THE ONLY THING AFFECTED BY THE FIRE WAS INSULATION ON THE CABLE. THE TRANSFORMER WAS NOT DAMAGED. THE CABLE WAS DISCONNECTED AND THE TRANSFORMER WILL BE RE-ENERGIZED SHORTLY.

THE STATE AND LOCAL AUTHORITIES HAVE BEEN UPDATED. THE NRC RESIDENT WILL BE NOTIFIED BY THE LICENSEE. R1DO(ANDERSON), FEMA(CALDWELL), AND EO(CHAFFEE).

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Power Reactor

Event # 26334

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BRUNSWICK                   |            | Notification Date / Time: 11/08/1993 11:57 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 2  | State : NC                                       | Event Date / Time: 11/08/1993 11:11 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 11/08/1993                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: CHISM            |            | Notifications: RANKIN RDO                        |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD    |            | CHAFFEE EO                                       |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | MOSTELLER/EARL FEMA                              |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL    |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Refueling       | 0          | Refueling       |

THE LICENSEE TRANSPORTED A POTENTIALLY CONTAMINATED PERSON TO AN OFFSITE FACILITY.

AN INDIVIDUAL WHO INJURED HIMSELF WHEN HE FELL INTO THE DRYWELL WAS TRANSPORTED TO THE DOSHER HOSPITAL. NO SURVEYS WERE MADE TO THIS PERSON DUE TO THE INJURIES HE SUSTAINED. THE LICENSEE HAS BEEN NOTIFIED BY THE HOSPITAL THAT THE INDIVIDUAL WAS NOT CONTAMINATED. THE RI AND STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\*UPDATE FROM STANLEY TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 12:17 WHEN THE CONTAMINATED MATERIALS WERE RETURNED TO THE SITE. THE RI WILL BE INFORMED.

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Power Reactor

Event # 26337

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: COOPER                      |           | Notification Date / Time: 11/08/1993 14:26 (EST) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 11/08/1993 12:48 (CST) |
| Reactor Type: [1] GE-4            |           | Last Modification: 11/08/1993                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: KING             |           | Notifications: GARY SANBORN RDO                  |   |
| HQ Ops Officer: THOMAS ANDREWS    |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | EARL FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 98         | Power Operation |

LICENSEE DECLARED UNUSUAL EVENT AT 1248 CST AS A RESULT OF BOTH EMERGENCY DIESEL GENERATORS BEING DECLARED INOPERABLE.

DURING SURVEILLANCE TESTING OF BOTH EMERGENCY DIESEL GENERATORS ON 11/8/93, RELAYS DG-REL-DG1 (59) AND DG-REL-DG2 (59) DID NOT PERFORM SATISFACTORILY, RESULTING IN BOTH DIESEL GENERATORS BEING DECLARED INOPERABLE (DIESEL GENERATOR #1 AT 0846 CST AND DIESEL GENERATOR #2 AT 1202 EST). THESE RELAYS MONITOR DIESEL GENERATOR OUTPUT VOLTAGE AND FUNCTION IN THE DIESEL GENERATOR OUTPUT BREAKER CLOSE PERMISSIVE CIRCUIT WHEN REQUIRED UNDER EMERGENCY START CONDITIONS (I.E. LOW VOLTAGE OR DEAD BUS CONDITIONS). CLOSURE OF THE BREAKERS USING THE CONTROL ROOM SWITCHES OR LOCAL SWITCHES IS NOT AFFECTED SINCE THE RELAYS FUNCTION ONLY UNDER EMERGENCY START CONDITIONS.

RELAY CONTACT CLOSURE IS EXPECTED WHEN DIESEL GENERATOR OUTPUT REACHES 94% OF RATED VOLTAGE. TESTING HAS REVEALED THAT THE RELAY FOR THE DIESEL GENERATOR #1 WOULD OCCUR AT 102% OF RATED VOLTAGE. THE PICKUP SETPOINT FOR DIESEL GENERATOR #2 HAS NOT BEEN DETERMINED AT THIS TIME.

A LOAD REDUCTION WAS COMMENCED AT 1255 CST IN ACCORDANCE WITH PARAGRAPH 3.5.F.2 OF THE TECHNICAL SPECIFICATIONS, BUT IS BEING HELD AT THIS TIME BASED ON MANAGEMENT DIRECTION.

BOTH OFFSITE POWER SUPPLIES ARE OPERABLE AND AVAILABLE. ALL CORE STANDBY COOLING SYSTEMS ARE OPERABLE.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS.

\*\*\*\* UPDATE AT 1852 EDT BY KING TAKEN BY ANDREWS \*\*\*\*

Power Reactor

Event # 26337

LICENSEE TERMINATED UNUSUAL EVENT AT 1747 CDT WHEN ONE OF THE EMERGENCY DIESEL GENERATORS WAS RETURNED TO SERVICE. WORK IS CONTINUING ON THE SECOND DIESEL GENERATOR RELAY.

THE LICENSEE SAID THAT THE CAUSE OF THE FAILURE WAS ATTRIBUTED TO A CHANGE IN THE SURVEILLANCE PROCEDURE. PREVIOUSLY, TESTING WAS CONDUCTED ACROSS "SPARE" CONTACTS IN THE RELAY INSTEAD OF THE "LIVE" CONTACTS. THE LIVE CONTACT HAVE MORE RESISTANCE THAN THE SPARE CONTACTS.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THE TERMINATION. STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED BY THE LICENSEE.

HOO NOTIFIED R4DO (SANBORN), EO (BOGER), FEMA (LOUZONIS)

\*\*\*\*\*

Power Reactor

Event # 26347

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SEQUOYAH                      |           | Notification Date / Time: 11/10/1993 18:43 (EST) |   |
| Unit: 1 2                           | Region: 2 | State : TN                                       | Event Date / Time: 11/10/1993 17:55 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 11/10/1993                    |   |
| Containment Type: ICE COND ICE COND |           |  |   |
| NRC Notified by: EPPERSON           |           | Notifications: STEVEN VIAS                       | RDO                                       |
| HQ Ops Officer: THOMAS ANDREWS      |           | JOSE CALVO                                       | EO  |
| Emergency Class: UNUSUAL EVENT      |           | SIMMERS  | FEMA                                      |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | Yes     | 40         | Power Operation | 40         | Power Operation |

AT 1755 EST, THE LICENSEE DECLARED AN UNUSUAL EVENT WHEN A POTENTIALLY CONTAMINATED INDIVIDUAL WAS TRANSPORTED OFFSITE TO A LOCAL HOSPITAL. THE INDIVIDUAL WAS INJURED DURING A FALL IN THE ICE CONDENSER, WHICH IS A CONTAMINATED AREA. THE INDIVIDUAL WAS TRANSPORTED TO THE HOSPITAL WEARING THE PROTECTIVE CLOTHING WHICH HAD A COMBINED BETA / GAMMA READING OF LESS THAN 100 COUNTS PER MINUTE.

THE UNUSUAL EVENT WAS TERMINATED AT 1820 EST WHEN THE LICENSEE WAS NOTIFIED THAT THE INDIVIDUAL HAD BEEN ADMITTED TO THE HOSPITAL.

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR, AND HAS NOTIFIED THE STATE OF TENNESSEE. NO OTHER NOTIFICATIONS ARE PLANNED AT THIS TIME.

\*\*\*\*\*

Power Reactor

Event # 26373

|                                     |  |           |  |  |  |   |
|-------------------------------------|--|-----------|--|--|--|---|
| Site: COMANCHE PEAK                 |  |           |  | Notification Date / Time: 11/17/1993 08:58 (EST) |  |   |
| Unit: 1 2                           |  | Region: 4 |  | State : TX                                       |  | Event Date / Time: 11/17/1993 07:32 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |  |           |  | Last Modification: 11/17/1993                    |  |   |
| Containment Type: DRY AMB DRY AMB   |  |           |  |  |  |   |
| NRC Notified by: PEREZ              |  |           |  | Notifications: CHARLES CAIN                      |  | RDO                                       |
| HQ Ops Officer: GREG SCARFO         |  |           |  | DENNIG   |  | EO  |
| Emergency Class: UNUSUAL EVENT      |  |           |  | AUSTIN   |  | FEMA                                      |
| 10 CFR Section:                     |  |           |  |  |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AN NOUE WAS DECLARED AT 0732 CST DUE TO THE LOSS OF THE PRIMARY AND BACKUP METEOROLOGICAL TOWERS AFTER A LIGHTNING STRIKE.

AT 0732 CST, AN NOUE WAS DECLARED WHEN A LOSS OF BOTH THE PRIMARY AND BACKUP METEOROLOGICAL TOWERS OCCURRED DUE TO A LIGHTNING STRIKE. THE LIGHTNING STRIKE DAMAGED BOTH THE METEOROLOGICAL INSTRUMENTATION AND THE POWER SUPPLIES TO THE TOWERS. I&C TECHNICIANS ARE REPAIRING THE POWER SUPPLIES AND RECALIBRATING THE METEOROLOGICAL INSTRUMENTATION AT THIS TIME. THE REPAIRS SHOULD BE COMPLETED WITHIN THE NEXT FOUR HOURS.

CURRENTLY, THE NATIONAL WEATHER SERVICE IS PROVIDING INFORMATION TO THE PLANTS. THE CRITERION FOR EXITING THE NOUE WILL BE THE RETURN TO SERVICE OF ONE OF THE TWO TOWERS. HOOD AND SOMMERVILLE COUNTIES WERE NOTIFIED, AS WELL AS THE TEXAS DEPARTMENT OF PUBLIC SAFETY. A PRESS RELEASE IS PLANNED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\*\* UPDATE @ 1037 EST BY PEREZ TAKEN BY ANDREWS \*\*\*\*

LICENSEE CONTACTED THE BUREAU OF RADIATION CONTROL TO GET THEIR CONCURRENCE REGARDING THE USE OF WIND STABILITY CLASS "D" WHILE MET DATA IS UNAVAILABLE. THE LICENSEE DOES HAVE 10 METER DATA AVAILABLE. THE RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS UPDATE. THE LICENSEE HAS PASSED THIS INFORMATION TO THE LOCAL AUTHORITIES.

HOO NOTIFIED R4DO (CAIN), EO (ROSSI)

\*\*\*\* UPDATE @ 1132 EST BY PEREZ TAKEN BY ANDREWS \*\*\*\*

LICENSEE HAS RETURNED THE PRIMARY CHANNEL TO SERVICE AND IS IN THE PROCESS OF PERFORMING CALIBRATIONS ON THE METEOROLOGICAL EQUIPMENT. THE LICENSEE ANTICIPATES DECLARING THE PRIMARY TOWER OPERABLE WITHIN THE NEXT 30 MINUTES. R4DO (CAIN), EO

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Power Reactor  
(ROSSI) NOTIFIED.

Event # 26373

\*\*\* UPDATE @ 1155 EST BY PEREZ TAKEN BY KARSCH \*\*\*  
THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 1050 CST. PRIMARY METEOROLOGICAL  
INSTRUMENTATION IS FULLY OPERATIONAL. ASSESSMENT CAPABILITIES FOR WEATHER  
CONDITIONS ARE NOW AVAILABLE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

R4DO (CAIN), EO (ROSSI) AND FEMA (MUSE) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 26383

|                                      |            |  |   |                 |            |                 |
|--------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HUMBOLDT BAY                   |            | Notification Date / Time: 11/18/1993 14:52 (EST) |   |                 |            |                 |
| Unit: 3                              | Region: 5  | State : CA                                       | Event Date / Time: 11/18/1993 11:10 (PST) |                 |            |                 |
| Reactor Type: [3] GE-1               |            | Last Modification: 12/13/1993                    |   |                 |            |                 |
| Containment Type:                    |            |  |   |                 |            |                 |
| NRC Notified by: D WARDRIP           |            | Notifications: FRANK WENSLAWSKI RDO              |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON       |            | ED GOODWIN EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT       |            | WITSBERGER FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                      |            | BRACH NMSS                                       |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |  |   |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |  |   |                 |            |                 |
| Unit                                 | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                    | N          | No   | 0   | Decommissioned  | 0          | Decommissioned  |

DURING A FIRE TRAINING EXERCISE A PLANT EMPLOYEE COMPLAINED OF CHEST PAINS. THE LICENSEE WILL TRANSPORT THE INDIVIDUAL OFFSITE VIA A COMMERCIAL AMBULANCE TO ST. JOSEPH HOSPITAL.

LICENSEE WILL INFORM REGION 5 HEADQUARTERS OF THIS EVENT.

\*\*\* UPDATE 1535EST 11/18/93 FROM WARDRIP TO S.SANDIN \*\*\*

LICENSEE TERMINATED THE UE AT 1150PST WHEN THE AMBULANCE ARRIVED TO TRANSPORT THE PLANT EMPLOYEE OFFSITE. NOTIFIED R5DO(FRANK WENSLAWSKI), NMSS (BRACH), EO(GOODWIN) AND FEMA(BAGWELL).

\*\*\* UPDATE FROM WILLIS TO HUFFMAN AT 1759 EST ON 12/13/93 \*\*\*

REVIEW OF EMERGENCY CLASSIFICATION LEVELS BY THE LICENSEE HAS DETERMINED THAT THIS EVENT WAS MISCLASSIFIED. SINCE NO CONTAMINATION WAS INVOLVED, THE EVENT SHOULD HAVE ONLY BEEN REPORTED AS A FOUR HOUR 10CFR50.72 CONCERNING OFFSITE NOTIFICATION. THE LICENSEE IS RETRACTING THE UNUSUAL EVENT CLASSIFICATION. R5DO(HUEY) HAS BEEN INFORMED.

\*\*\*\*\*

Power Reactor

Event # 26424

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BEAVER VALLEY                 |            | Notification Date / Time: 11/29/1993 03:35 (EST) |   |                 |            |                 |
| Unit: 2                             | Region: 1  | State : PA                                       | Event Date / Time: 11/29/1993 03:28 (EST) |                 |            |                 |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |            | Last Modification: 11/29/1993                    |   |                 |            |                 |
| Containment Type: DRY SUB           |            |  |   |                 |            |                 |
| NRC Notified by: VALLECORSA         |            | Notifications: GLENN MEYER RDO                   |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE       |            | JOHN ZWOLINSKI EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                   |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | No   | 0   | Hot Standby     | 0          | Hot Standby     |

UE DECLARED DUE TO CHANGING MODES DUE TO INOP AFW PUMP TURBINE GOVERNOR VLV  
UNIT 2 IS IN MODE 3 (HOT STANDBY) AT THE END OF A REFUELING OUTAGE WITH  
2 OF 2 MOTOR DRIVEN AFW PUMPS OPERABLE.

LICENSEE WAS ATTEMPTING TO REPAIR THE INOPERABLE GOVERNOR VALVE ON THE INOPERABLE  
TERRY TURBINE DRIVEN AFW PUMP. TECH SPEC LCO A/S 3.7.1.2 REQUIRES LICENSEE TO RESTORE  
THE AFW PUMP TO OPERABLE STATUS WITHIN 72 HOURS (BY 0516) OR TO PLACE UNIT 2 IN MODE 4  
(HOT SHUTDOWN) WITHIN THE NEXT 6 HOURS. LICENSEE HAS DETERMINED THAT THEY WILL HAVE  
TO REPLACE THE VALVE.

AT 0328, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO HAVING TO CHANGE OPERATING MODES  
FROM MODE 3 TO MODE 4 IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR & STATE & LOCAL OFFICIALS.

LICENSEE HAS BEGAN COOLING UNIT 2 DOWN AND PLANS TO BE IN MODE 4 IN  
4 TO 5 HOURS AT WHICH TIME THEY PLAN TO TERMINATE THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1028 BY NELSON ENTERED BY HOO JOLLIFFE \*\*\*

AT 1005, UNIT 2 ENTERED MODE 4 (HOT SHUTDOWN) AND LICENSEE TERMINATED THE UNUSUAL  
EVENT.

LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR & STATE & LOCAL OFFICIALS.

HOO NOTIFIED R1DO (MEYER), NRR (GOODWIN), FEMA (CALDWELL).

\*\*\*\*\*

Power Reactor

Event # 26427

|                                 |            |                      |            |  |            |   |
|---------------------------------|------------|----------------------|------------|--|------------|---|
| Site: QUAD CITIES               |            |                      |            | Notification Date / Time: 11/30/1993 02:50 (EST) |            |   |
| Unit: 1                         |            | Region: 3            |            | State : IL                                       |            | Event Date / Time: 11/30/1993 00:53 (CST) |
| Reactor Type: [1] GE-3,[2] GE-3 |            |                      |            | Last Modification: 11/30/1993                    |            |   |
| Containment Type: MARK I        |            |                      |            |  |            |   |
| NRC Notified by: BRITZ          |            |                      |            | Notifications: MIKE MCCANN                       |            | RDO                                       |
| HQ Ops Officer: DICK JOLLIFFE   |            |                      |            | JOHN ZWOLINSKI                                   |            | EO  |
| Emergency Class: UNUSUAL EVENT  |            |                      |            | AUSTIN   |            | FEMA                                      |
| 10 CFR Section:                 |            |                      |            |  |            |   |
| 50.72(a)(1)(i)                  |            | EMERGENCY DECLARED   |            |  |            |   |
| 50.72(b)(1)(i)(A)               |            | PLANT S/D REQD BY TS |            |  |            |   |
| 50.72(b)(2)(ii)                 |            | RPS ACTUATION        |            |  |            |   |
|                                 |            | TECH SPEC LCO A/S    |            |  |            |   |
| Unit                            | Scram Code | RX Crit              | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                               | A/R        | Yes                  | 1          | Startup  | 0          | Hot Shutdown                              |

-UE DUE TO TS REQD S/D DUE TO Rx VESSEL WATER LEVEL INSTRUMENT VALVE LEAK-

AT 2040 (CST) ON 11/29/93, UNIT 1 WENT CRITICAL DURING STARTUP FROM A MAINTENANCE OUTAGE THAT BEGAN ON 11/05/93.

AT 2335 (CST) ON 11/29/93, CONTROL ROOM OPERATORS OBSERVED THAT THE 'A' TRAIN REACTOR VESSEL WATER LEVEL NARROW RANGE YARWAY INSTRUMENT WAS READING APPROXIMATELY +47 INCHES. ALL OTHER REACTOR VESSEL WATER LEVEL INSTRUMENTS WERE READING A NORMAL LEVEL OF +30 INCHES.

CONTROL ROOM OPERATORS DISCOVERED A PACKING LEAK ON 'A' TRAIN REACTOR VESSEL WATER LEVEL REFERENCE LEG INSTRUMENT ROOT VALVE #1-263-2-12A AND TIGHTENED THE PACKING TO STOP THE LEAK.

AT 0028 (CST) ON 11/30/93, CONTROL ROOM OPERATORS DECLARED THE 'A' TRAIN REACTOR VESSEL WATER LEVEL INSTRUMENT SYSTEM INOPERABLE AND DECIDED TO SHUT UNIT 1 DOWN IN ACCORDANCE WITH 24 HOUR-TO-COLD SHUTDOWN CONDITION TECH SPEC LCO A/Ss.

AT 0053 (CST) ON 11/30/93, CONTROL ROOM OPERATORS DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN.

AT 0117 (CST) ON 11/30/93, CONTROL ROOM OPERATORS SCRAMMED UNIT 1 FROM 1% POWER. ALL CONTROL RODS INSERTED COMPLETELY.

UNIT 1 IS STABLE IN CONDITION 3 (HOT SHUTDOWN) COOLING DOWN TO CONDITION 4 (COLD SHUTDOWN) TO REPAIR THE VALVE.

Power Reactor

Event # 26427

LICENSEE NOTIFIED STATE OFFICIALS AND THE NRC RESIDENT INSPECTOR.

LICENSEE IS INVESTIGATING THE CAUSE OF THE VALVE LEAK.

\* \* \* UPDATE AT 0544 BY BRITZ ENTERED BY HOO JOLLIFFE \* \* \*

AT 0335 (CST) ON 11/30/93, UNIT 1 ENTERED CONDITION 4 (COLD SHUTDOWN).

AT 0432 (CST) ON 11/30/93, LICENSEE TERMINATED THE UNUSUAL EVENT.

LICENSEE NOTIFIED STATE OFFICIALS & WILL NOTIFY THE NRC RESIDENT INSPECTOR.

LICENSEE WILL SUBMIT AN LER TO THE NRC REGARDING THIS EVENT.

HOO NOTIFIED R3DO McCANN, NRR EO ZWOLINSKI, & FEMA BELCHER.

\*\*\*\*\*

Power Reactor

Event # 26430

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: INDIAN POINT                  |           | Notification Date / Time: 11/30/1993 17:38 (EST) |   |
| Unit: 2                             | Region: 1 | State : NY                                       | Event Date / Time: 11/30/1993 17:20 (EST) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP |           | Last Modification: 11/30/1993                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: MURPHY             |           | Notifications: PETE ESELGROTH RDO                |   |
| HQ Ops Officer: JOHN MacKINNON      |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT      |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO THREAT TO PLANT PERSONNEL FROM THE SPILLAGE OF APPROXIMATELY 200 MILLILITERS OF NALCO # 7338 LIQUID, WHICH IS A VERY TOXIC LIQUID.

EMERGENCY DIESEL GENERATOR BUILDING WAS DECLARED OFF LIMITS DUE TO THE SPILLAGE OF APPROXIMATELY 200 MILLILITERS OF NALCO (A CORROSION INHIBITOR WHICH IS HIGHLY TOXIC) INSIDE THE BUILDING. LICENSEE SAID THAT PLANT PERSONNEL USING BREATHING PACKS ARE GOING TO ENTER THE EMERGENCY DIESEL GENERATOR BUILDING SO THEY CAN VENTILATE THE BUILDING. EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE IF NEEDED. NALCO IS USED AS A CORROSION INHIBITOR FOR THEIR EMERGENCY DIESEL GENERATOR HEAT EXCHANGERS. NOBODY AT THE SITE WAS HARMED BY THE SPILLAGE OF THIS CHEMICAL. LICENSEE NOTIFIED SURROUNDING COUNTIES AND THE STATE OF NEW YORK OF THIS EVENT.

RESIDENT INSPECTOR WAS INFORMED BY LICENSEE.

\*\*\*UPDATE @ 1938EST 11/30/93 BY JIM READY TAKEN BY MACKINNON\*\*\*

CHEMICAL SPILL HAS BEEN CLEANED UP. PERSONNEL HAVE ACCESS TO THE EMERGENCY DIESEL GENERATOR BUILDING USING PROTECTIVE APPAREL (FULL FACE RESPIRATORY AND WEARING CHEMICAL SUITS). EMERGENCY DIESEL GENERATOR BUILDING IS BEING VENTILATED. CHEMISTRY IS EVALUATING THE AFFECTS OF THE CHEMICAL SPILL.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*UPDATE @ 2008 EST 11/30/93 BY JIM READY TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 1945EST. CHEMICAL SPILL HAS BEEN CLEANED UP. NORMAL ACCESS TO THE EMERGENCY DIESEL GENERATOR BUILDING HAS BEEN RESTORED. LICENSEE WILL NOTIFY STATE AND SURROUNDING COUNTIES THAT THE UNUSUAL EVENT HAS BEEN TERMINATED.

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Power Reactor

Event # 26430

R1DO (PETE ESELGROTH), EO (JACK ROE) & FEMA (AUSTIN) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED OF THIS UPDATE BY THE LICENSEE.

\*\*\*\*\*

Power Reactor

Event # 26437

|                                       |                      |  |      |
|---------------------------------------|----------------------|--|------|
| Site: WASHINGTON NUCLEAR              |                      | Notification Date / Time: 12/01/1993 22:08 (EST) |      |
| Unit: 2                               | Region: 5 State : WA | Event Date / Time: 12/01/1993 18:17 (PST)        |      |
| Reactor Type: [2] GE-5                |                      | Last Modification: 12/02/1993                    |      |
| Containment Type: MARK II             |                      |  |      |
| NRC Notified by: JOE FLOOD            |                      | Notifications: PHIL MORRILL                      | RDO  |
| HQ Ops Officer: JOHN MacKINNON        |                      | JACK ROE   | EO   |
| Emergency Class: UNUSUAL EVENT        |                      | AUSTIN   | FEMA |
| 10 CFR Section:                       |                      |  |      |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |                      |  |      |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |                      |  |      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED BECAUSE LICENSEE ENTERED EMERGENCY PLAN FOR TOXIC REACTION. THIS EVENT DOES NOT AFFECT NORMAL PLANT OPERATIONS.

APPROXIMATELY 100 GALLONS OF 50% HYDROGEN PEROXIDE WAS ADDED TO SEVERAL HUNDRED GALLONS OF LIQUID CONTAINING ORGANICS (PRIMARILY GLYCOL). THIS CAUSED A STRONG REACTION TO OCCUR CAUSING 50 TO 100 GALLONS OF THIS MIXTURE TO OVERFLOW THE MIXING TANK AND SPILL ONTO THE BASEMENT FLOOR OF THE RADWASTE BUILDING. THIS REACTION IS STILL ONGOING AND THE LICENSEE IS CONTINUING TO VENT OXYGEN AND CARBON DIOXIDE FROM THE TANK. THIS REACTION IS MAKING THE ATMOSPHERE IN THE RADWASTE BUILDING VERY NOXIOUS. LICENSEES MATERIAL SAFETY DATA SHEET INDICATES THAT EXPOSURE TO HYDROGEN PEROXIDE CAN BE TOXIC, THEREFORE LICENSEE DECLARED AN UNUSUAL EVENT AND ARE MAKING THIS NOTIFICATION BECAUSE THEY INITIATED THEIR EMERGENCY PLAN. CHEMICAL MIXTURE IS NOT KNOWN TO BE CONTAMINATED (LICENSEE IS STILL CHECKING THE CHEMICAL MIXTURE FOR CONTAMINATION) AND NOBODY AS FAR AS THEY KNOW HAS BEEN INJURED OR DISABLED BY THIS INCIDENT. LICENSEE EVACUATED ALL UNNECESSARY PERSONNEL FROM THE LOWER THREE LEVELS OF THE RADWASTE BUILDING AND ONLY PERSONNEL WEARING SCOTT AIR PACKS AND CARRYING OXYGEN & EXPLOSIVE DETECTORS CAN ENTER THE LOWER THREE LEVELS. MAIN CONCERN OF THE LICENSEE IS THE OXYGEN BUILD UP FROM THE REACTION BETWEEN HYDROGEN PEROXIDE AND GLYCOL. LICENSEE THINKS THAT IT WILL BE ANOTHER ONE TO FOUR HOURS BEFORE THEY TERMINATE THE UNUSUAL EVENT. LICENSEE IS NOT SURE HOW THIS INCIDENT OCCURRED. THIS EVENT IS NOT INTERFERING WITH NORMAL PLANT OPERATIONS. LICENSEE SAID THAT THEY WILL MOST PROBABLY ISSUE A PRESS RELEASE ABOUT THIS EVENT. LICENSEE HAS NOTIFIED THE STATE OF WASHINGTON & DENTON COUNTY OF THIS EVENT.

RESIDENT WILL BE INFORMED BY THE LICENSEE.

\*\* UPDATE DATE/TIME:12/2/93 @ 0103 EST\*\*\*FROM LICENSEE:FLOOD BY:McGINTY \*\* THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2146 PST. THE LICENSEE HAS STOPPED THE SPILL AND IT IS

Power Reactor

Event # 26437

CONTAINED. THE SPILL HAS BEEN DETERMINED TO BE NON-HAZARDOUS BY THE HAZMAT, HP AND CHEMISTRY PERSONNEL. THE SPILL IS NOT TOXIC, CONTAINS NO SIGNIFICANT CONTAMINATION AND IS NOT AN IMMEDIATE HEALTH HAZARD. THE LICENSEE IS PROCEEDING WITH THE INVESTIGATION AND CLEANUP. THE RADWASTE BUILDING IS AGAIN RE-OCCUPIED. THERE WERE NO PERSONNEL INJURIES. THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND THE REGION AND WILL BE ISSUING A PRESS RELEASE. HOO NOTIFIED THE R5DO (MORRILL), EO (GOODWIN) AND FEMA (AUSTIN).

\*\*\*\*\*

Power Reactor

Event # 26446

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: BRAIDWOOD                     |           | Notification Date / Time: 12/02/1993 16:07 (EST) |   |
| Unit: 1 2                           | Region: 3 | State : IL                                       | Event Date / Time: 12/02/1993 14:35 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 12/02/1993                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: DENNIS HIGINBOTHAM |           | Notifications: MIKE MCCANN                       | RDO                                       |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | JACK ROE   | EO  |
| Emergency Class: UNUSUAL EVENT      |           | PAUL WRIGHT                                      | FEMA                                      |
| 10 CFR Section:                     |           |  |   |
| 50.72(b)(1)(v) ENS INOPERABLE       |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## LOSS OF TELEPHONE COMMUNICATIONS.

BRAIDWOOD REPORTS THAT COMMERCIAL, THE EMERGENCY NOTIFICATION SYSTEM (ENS), AND THE NUCLEAR ACCIDENT REPORTING SYSTEM (NARS) TELEPHONE COMMUNICATION SYSTEMS ARE OUT OF SERVICE DUE TO AN OFFSITE TELEPHONE PROBLEM. THE EXACT NATURE OF THE PROBLEMS IS NOT YET KNOWN BUT A TELEPHONE CABLE CUT IS SUSPECTED. THE PLANT STILL HAS COMMUNICATIONS CAPABILITY VIA THE LOAD DISPATCHER MICROWAVE LINK; VIA DIRECT LINES TO NEARBY DRESDEN AND LASALLE STATIONS; AND VIA THE BRAIDWOOD POLICE DEPARTMENT.

THE LICENSEE WILL BE PERFORMING PERIODIC TELEPHONE CHECKS WITH THE NRC OPERATIONS CENTER UNTIL THE PROBLEM IS REPAIRED. COMMUNICATIONS WITH DRESDEN AND LASALLE HAVE BEEN CONFIRMED TO BE UNAFFECTED BY THIS PROBLEM.

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED.

## \*\*\* UPDATE AT 1700 EST ON 12/2/93 \*\*\*

THE TELEPHONE PROBLEM WAS CONFIRMED TO BE THE RESULT OF A CABLE CUT. THE ESTIMATED REPAIR TIME IS 2000 CST. A TEMPORARY TIE LINE HAS BEEN ESTABLISHED FOR THE PLANT TO MAKE OUTGOING COMMERCIAL CALLS. THE LICENSEE WILL CONTINUE TO MAKE PERIODIC COMMUNICATIONS CHECKS WITH THE NRC OPERATIONS CENTER UNTIL PHONE SERVICE IS FULLY OPERATIONAL.

## \*\*\* UPDATE FROM MELONE TO HUFFMAN AT 2003 EST ON 12/2/93 \*\*\*

ALL TELEPHONE COMMUNICATION WERE RETURNED TO SERVICE AT 1845 CST AND THE UNUSUAL EVENT WAS TERMINATED. IT WAS NOTED THAT THERE WAS APPARENTLY A MISCOMMUNICATION IN THE ORIGINAL EVENT NOTIFICATION WHICH HAD THE EVENT CLASSIFIED AS A 50.72 REPORT RATHER THAN AN UNUSUAL EVENT. THE PROPER NOTIFICATIONS WERE MADE TO THE RDO(McCANN), EO(ROE), AND FEMA(WRIGHT) UPON LEARNING OF THE CORRECT CLASSIFICATION OF THE EVENT.

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Power Reactor

Event #

26446

\*\*\*\*\*

Power Reactor

Event # 26491

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PERRY                       |            | Notification Date / Time: 12/10/1993 11:36 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 3  | State : OH                                       | Event Date / Time: 12/10/1993 11:20 (EST) |                 |            |                 |
| Reactor Type: [1] GE-6            |            | Last Modification: 12/10/1993                    |   |                 |            |                 |
| Containment Type: MARK III        |            |  |   |                 |            |                 |
| NRC Notified by: STETSON          |            | Notifications: ROGER LANKSBURY RDO               |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | EARL FEMA  |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL    |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

- UE DECLARED DUE TO TRANSPORTING CONTAMINATED INDIVIDUAL TO LOCAL HOSPITAL  
A CONTRACTOR HEALTH PHYSICIST TECHNICIAN PASSED OUT IN THE LOWER CONTAINMENT AIRLOCK. BECAUSE OF A POTENTIAL BACK INJURY, THE CONTRACTOR COULD NOT BE COMPLETELY SURVEYED FOR CONTAMINATION. THE CONTRACTOR WAS TRANSMITTED BY AMBULANCE FROM THE SITE TO A LOCAL HOSPITAL ACCOMPANIED BY ANOTHER HP TECH.

AT 1120, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO TRANSPORTING A CONTAMINATED INJURED INDIVIDUAL FROM THE SITE TO A LOCAL HOSPITAL.  
AT THE HOSPITAL, THE ACCOMPANYING HP TECH COMPLETED THE SURVEY AND DETERMINED THAT THE CONTRACTOR WAS NOT CONTAMINATED.

AT 1145, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO DETERMINING THAT THE CONTRACTOR WAS NOT CONTAMINATED.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT OF THE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 26502

|                                |                    |  |   |
|--------------------------------|--------------------|--|---|
| Site: COOPER                   |                    | Notification Date / Time: 12/14/1993 03:12 (EST) |   |
| Unit: 1                        | Region: 4          | State : NE                                       | Event Date / Time: 12/14/1993 01:34 (CST) |
| Reactor Type: [1] GE-4         |                    | Last Modification: 12/14/1993                    |   |
| Containment Type: MARK I       |                    |  |   |
| NRC Notified by: KING          |                    | Notifications: PHILIP WAGNER RDO                 |   |
| HQ Ops Officer: TIM McGINTY    |                    | GUS LAINAS EO                                    |   |
| Emergency Class: UNUSUAL EVENT |                    | SHULL FEMA                                       |   |
| 10 CFR Section:                |                    |  |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED |  |   |
| 50.72(b)(1)(iv)                | ECCS INJECTION     |  |   |
| 50.72(b)(2)(ii)                | RPS ACTUATION      |  |   |
| 50.72(b)(2)(ii)                | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

UE DECLARED DUE TO ECCS INJECTION IN RESPONSE TO A FEEDWATER DEMAND SIGNAL LOSS.

THE PLANT HAD A "VITAL 6 FEEDWATER DEMAND SIGNAL LOSS", WHICH CAUSED THE "B" FEED PUMP TO GO TO LOW SPEED. THE "A" FEED PUMP (WHICH WAS ALSO AFFECTED BY THE DEMAND SIGNAL LOSS) WENT INTO "TRACK AND HOLD," WHICH ENABLED IT TO MAINTAIN A RELATIVELY HIGH SPEED. REACTOR VESSEL LEVEL, HOWEVER, DECREASED TO THE 4" SCRAM AND THEN TO THE MINUS 37" HPCI (HIGH PRESSURE COOLANT INJECTION) AND RCIC (REACTOR CORE ISOLATION COOLING) INJECTION SETPOINT. THE UE WAS DECLARED DUE TO THE ECCS INJECTION.

NORMAL RX VESSEL LEVEL WAS RESTORED BY HPCI AND RCIC IN ABOUT FOUR MINUTES, AT WHICH TIME HPCI AND RCIC WERE SECURED (DRYWELL PRESSURE AND RAD LEVELS NORMAL, NO LEAK INDICATION). THE PLANT IS STABLE IN HOT SHUTDOWN, WITH THE TURBINE BYPASSES AVAILABLE AND FEED PUMP "A" OPERATING. THE PLANT RESPONSE TO THE TRANSIENT WAS NORMAL (ALL RODS INSERTED, NO SAFETIES LIFTED, NO PROBLEMS WITH TRANSFERS TO OFF-SITE POWER SUPPLIES). ALL ECCS SYSTEMS REMAIN OPERATIONAL.

THE LICENSEE WILL BE INVESTIGATING THE CAUSE OF THE FEEDWATER DEMAND PROBLEM AND HOW IT AFFECTED THE FEED PUMPS, AND WHETHER THE PLANT WILL REMAIN HOT OR WILL BE COOLED DOWN REMAINS TO BE ADDRESSED.

THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR AND STATE AND LOCAL AUTHORITIES.

\*\*\*UPDATE DATE/TIME:12/14/93 @ 0523 EST FROM LICENSEE:KUSER BY:McGINTY\*\*\* THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0415 CST, AND HAS INFORMED THE RESIDENT INSPECTOR. THE PLANT IS BEING SLOWLY COOLED DOWN, BUT A COMPLETE COOLDOWN IS STILL BEING EVALUATED. HOO NOTIFIED R4DO (WAGNER), EO (CHAFFEE) AND FEMA (DAMICO).

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Power Reactor

Event # 26525

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: DAVIS BESSE                      |            | Notification Date / Time: 12/22/1993 13:04 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 3  | State : OH                                       | Event Date / Time: 12/22/1993 12:45 (EST) |                 |            |                 |
| Reactor Type: [1] B&W-R-LP             |            | Last Modification: 12/22/1993                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: SCOTT WISE            |            | Notifications: JOHN JACOBSON RDO                 |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS         |            | CHRIS GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | WITSBERGER FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 99         | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1245 EST DUE TO ENTERING A TECHNICAL SPECIFICATION ACTION STATEMENT REQUIRING PLANT SHUTDOWN.

BOTH CONTROL ROOM EMERGENCY VENTILATION SYSTEM TRAINS ARE INOPERABLE REQUIRING THE PLANT TO ENTER TECHNICAL SPECIFICATION 3.0.3. ONE TRAIN IS INOPERABLE BECAUSE OF A BEARING PROBLEM, THE OTHER IS INOPERABLE DUE TO A FREON LEAK. THE FREON LEAK HAS BEEN REPAIRED AND THE ASSOCIATED TRAIN IS BEING TESTED.

THE LICENSEE ANTICIPATES RESTORING ONE TRAIN TO OPERABILITY WITHIN THE NEXT 30 MINUTES. WHEN ONE TRAIN IS RESTORED, THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT. THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES. NO OTHER NOTIFICATIONS ARE PLANNED AT THIS TIME.

\*\*\*\* UPDATE ON 12/22/93 @ 1347 EST BY WISE TAKEN BY ANDREWS \*\*\*\*

REPAIRS ARE COMPLETE ON THE VENTILATION TRAIN WITH THE FREON LEAK. THE LICENSEE ANTICIPATES EXITING THE UNUSUAL EVENT BY 1400 EST.

\*\*\*\* UPDATE ON 12/22/93 @ 1400 EST BY WISE TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT AT 1357 EST WHEN ONE OF THE CONTROL ROOM EMERGENCY VENTILATION TRAINS WAS RETURNED TO SERVICE. POWER REDUCTION WAS TERMINATED AT APPROXIMATELY 98.5% POWER. THE LICENSEE PLANS ON RETURNING TO FULL POWER. THE LICENSEE HAS INFORMED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS.

HOO NOTIFIED R3DO (JACOBSON), EO (GRIMES), FEMA (WITSBERGER).

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Power Reactor

Event # 26537

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BRUNSWICK                   |            | Notification Date / Time: 12/25/1993 15:15 (EST) |   |                 |            |                 |
| Unit: 1 2                         | Region: 2  | State : NC                                       | Event Date / Time: 12/25/1993 14:16 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 12/25/1993                    |   |                 |            |                 |
| Containment Type: MARK I MARK I   |            |  |   |                 |            |                 |
| NRC Notified by: ATKINSON         |            | Notifications: PIERCE SKINNER RDO                |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON    |            | BRIAN GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | CARR FEMA  |   |                 |            |                 |
| 10 CFR Section:                   |            | NANCY ERVIN (IAT) NRR                            |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            | DAVIDSON (IAT) NMSS                              |   |                 |            |                 |
| 73.71(c) SECURITY DEGRADATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |
| 2                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

SECURITY RECEIVED A BOMB THREAT PHONE CALL. SECURITY DECLARED A SECURITY ALERT PER THEIR CONTINGENCY PLANS AT 1409EST. LICENSEES EMERGENCY PLANS HAVE THEM ENTER AN UNUSUAL EVENT CLASSIFICATION WHEN SECURITY GOES INTO ALERT. ALL AREAS ARE BEING SEARCHED AT THIS TIME. INITIAL SAFETY SIGNIFICANCE OF THIS EVENT IS MINIMAL. LICENSE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT. THEY WILL INFORM THE FBI OF THE BOMB THREAT.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*UPDATE @ 1603EST BY DENISE GREENWALT TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1555EST AFTER SEARCH OF PLANT FOUND NO BOMB. STATE & LOCAL OFFICIALS WERE NOTIFIED BY LICENSEE. R2DO (PIERCE SKINNER), EO (BRIAN GRIMES), & FEMA (MOSTELLER) NOTIFIED.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 26543

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: MCGUIRE                       |            | Notification Date / Time: 12/27/1993 23:09 (EST) |   |                 |            |                 |
| Unit: 2                             | Region: 2  | State : NC                                       | Event Date / Time: 12/27/1993 22:18 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 12/28/1993                    |   |                 |            |                 |
| Containment Type: ICE COND          |            |  |   |                 |            |                 |
| NRC Notified by: BUD HARRIS         |            | Notifications: PIERCE SKINNER RDO                |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH         |            | BRIAN GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                     |            | JOHN JOHNSON RGN2                                |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED AT 2222 EST DUE TO LOSS OF ALL OFF-SITE POWER.

THE LOSS OF ONE PHASE OF THE "2B" BUS CAUSED PROTECTIVE RELAYING TO TRIP THE MAIN GENERATOR, PRECIPITATING A TURBINE TRIP. SUBSEQUENTLY THE REACTOR TRIPPED WITH A "FIRST OUT" ANNUNCIATION OF HIGH FLUX RATE TRIP. ALL CONTROL RODS INSERTED FULLY. RCS PRESSURE DECREASED BELOW 1845 PSIG WHICH CAUSED A SAFETY INJECTION TO OCCUR. THE QUANTITY OF WATER INJECTED IS NOT KNOWN AT THIS TIME. THE PRESSURIZER PORVs WERE USED TO REDUCE RCS PRESSURE (HIGHEST PRESSURE REACHED WAS BETWEEN 2340 - 2400 PSIG) RESULTING IN BLOW-OUT OF THE PRESSURIZER RELIEF TANK'S BLOW OUT DISK. PORVs RESEATED FOLLOWING THIS EVOLUTION. SI HAS BEEN TERMINATED. BOTH EMERGENCY DIESEL GENERATORS STARTED RESTORING POWER TO THE 4160 VOLT EMERGENCY BUSES. THE REACTOR IS STABLE IN NATURAL CIRCULATION. NORMAL MAKEUP PUMPS ARE RUNNING. ALL THREE AUXILIARY FEEDWATER (AFW) PUMPS STARTED. THE TURBINE DRIVEN AFW PUMP WAS SUBSEQUENTLY SECURED BECAUSE SUFFICIENT FEEDWATER WAS PROVIDED BY THE MOTOR DRIVEN PUMPS. DECAY HEAT IS BEING REJECTED VIA THE MAIN STEAM POWER OPERATED RELIEF VALVES (ATMOSPHERIC STEAM DUMP). THE LICENSEE EXPECTS TO RESTORE OFF-SITE POWER IN THE NEXT HALF HOUR.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL GOVERNMENT AGENCIES.

\*\*\*UPDATE ON 12/28/93 @ 01:32 BY LACKEY TO GOULD\*\*\* THE PLANT IS STILL IN A NOUE. THE "B" MSIV(SM5) WHICH DID NOT CLOSE ON SI, IS CLOSED NOW(01:32) AND THE "B" S/G DRIED OUT. PRESSURIZER RELIEF TANK(PRT) RUPTURE DISC RUPTURED DUE TO INPUT FROM THE PRESSURIZER POWER OPERATED RELIEF VALVES WHICH WAS A RESULT FROM SI INCREASING PRESSURE. OFFSITE POWER WAS RESTORED TO THE "B" BUS LINE AT 00:40 DOWN TO THE ESSENTIAL 4160 V BUSES. DIESEL GENERATORS WERE MANUALLY SHUT DOWN BETWEEN 00:45 AND 01:00. THEY ARE PREPARING TO GET THE SECONDARY SYSTEM RESTARTED. THE REACTOR IS CURRENTLY IN MODE 3 BUT IS EXPECTED TO GO TO MODE 5. AS OF 01:38 THE "A" RCP HAS BEEN RESTARTED AND THEY

Power Reactor

Event # 26543

ARE OUT OF NATURAL CIRCULATION. THERE ARE NO RAD RELEASES. THE ICE CONDENSER DOOR MONITORING SYSTEM IS INOP DUE TO THE DOORS OPENING WHEN THE PRT RUPTURE DISC BLEW. ALSO THE ESF SOLENOID ON THE SM5 MSIV IS DECLARED INOP. THE OSC AND TSC WERE ACTIVATED AT 01:10 AND THE EOF WAS UNOFFICIALLY STAFFED AT 01:35. THE RI WAS WAS INFORMED.

\*\*\*UPDATE ON 12/28/93 @ 06:22 BY LACKEY TO GOULD\*\*\* A SECOND OFFSITE POWER SOURCE WAS ESTABLISHED.

\*\*\*UPDATE ON 12/28/93 @ 0730 BY LACKEY TO GOULD/SANDIN\*\*\* BUS "A" WENT OUT ON OVERCURRENT CAUSING A GENERATOR LOCKOUT. THE "B" MSIV WAS PARTIALLY OPEN FROM APPROXIMATELY 22:22 - 01:32. PRESSURIZER LEVEL WENT TO 17%. TSC STAFFING IS BEING REDUCED.

\*\*\* UPDATE ON 12/28/93 @ 1256 EST FROM SAWYER TAKEN BY KARSCH \*\*\*  
UNUSUAL EVENT TERMINATED AT 1255 EST WHEN THE LICENSEE SUCCEEDED IN REINSTATING THE SAFETY INJECTION LOGIC SATISFYING TECH SPEC 3.3.2. BUS "2B" IS SUPPLYING OFF-SITE POWER, BUS "2A" IS OUT OF SERVICE. THE UNIT IS IN MODE 4 WORKING TOWARD MODE 5. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R2DO (BELISLE), EO (DENNIG), FEMA (CARR) NOTIFIED.

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Power Reactor

Event # 26579

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SEQUOYAH                         |            | Notification Date / Time: 01/07/1994 14:31 (EST) |   |                 |            |                 |
| Unit: 2                                | Region: 2  | State : TN                                       | Event Date / Time: 01/07/1994 13:52 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 01/07/1994                    |   |                 |            |                 |
| Containment Type: ICE COND             |            |  |   |                 |            |                 |
| NRC Notified by: THOMAS                |            | Notifications: DECKER                            | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD         |            | CHEFFEE  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | HERSKO   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N          | Yes  | 100                                       | Power Operation | 98         | Power Operation |

THE PLANT IS IN A TS LCO ACTION STATEMENT TO BE IN HOT STANDBY WITHIN 6 HRS AND HOT S/D WITHIN THE FOLLOWING 6 HRS DUE TO THE 2B-B CENTRIFUGAL CHARGING PUMP BEING DECLARED INOP.

THE LICENSEE INITIATED A PLANT SHUTDOWN ON UNIT 2 SINCE THEY HAD DETERMINED THAT THEY WOULD NOT BE ABLE TO MAKE REPAIR TO THE BROKEN SHAFT ON THE 2B-B CENTRIFUGAL PUMP. THIS PUMP WAS DECLARED INOPERABLE ON 01/05/94 @ 16:10 AND THEY ESTIMATED THAT THEY WOULD EXCEED THE 72 HR LCO REQUIREMENT TO RETURNED THE PUMP TO OPERABLE CONDITION. THE S/D OF THE PLANT REQUIRED A NOTIFICATION OF AN UNUSUAL EVENT.

THE LICENSEE ALSO STATED THAT THEY BELIEVE THEY HAVE A HYDROGEN LEAK IN THE AREA OF THE GENERATOR AND THEY ARE GOING TO INVESTIGATE FURTHER WHEN THEY SHUTDOWN.

THE RI AND LOCAL AGENCIES WILL BE INFORMED. THE STATE HAS BEEN INFORMED.

\*\*\*\* UPDATE AT 1150 EST BY DEAKINS TAKEN BY ANDREWS \*\*\*\*

LICENSEE INITIATED A PLANT SHUTDOWN TO MODE 4 FROM 20% POWER APPROXIMATELY 30 MINUTES AGO. THE LICENSEE PROBABLY WILL NOT PURSUE AN ENFORCEMENT DISCRETION AT THIS TIME.

HOO NOTIFIED R2DO (DECKER).

\*\*\*\* UPDATE AT 2350 EST ON 01/08/94 BY REEVES TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 2305 EST AFTER ENTERING MODE 4. THEY ESTIMATE THAT IT WILL TAKE A COUPLE OF DAYS TO MAKE REPAIRS TO THE PUMP AND PERFORM OTHER MAINTENANCE ACTIVITIES.

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 26579

HOO NOTIFIED R2DO (DECKER), EO (CONGEL), FEMA (MOSTELLER).

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Power Reactor

Event # 26586

|  |           |  |   |
|--|-----------|--|---|
| Site: BEAVER VALLEY                    |           | Notification Date / Time: 01/09/1994 11:18 (EST) |   |
| Unit: 1                                | Region: 1 | State : PA                                       | Event Date / Time: 01/09/1994 11:15 (EST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP    |           | Last Modification: 01/10/1994                    |   |
| Containment Type: DRY SUB              |           |  |   |
| NRC Notified by: FRED HUMMEL           |           | Notifications: GENE KELLY RDO                    |   |
| HQ Ops Officer: THOMAS ANDREWS         |           | FRANK CONGEL EO                                  |   |
| Emergency Class: UNUSUAL EVENT         |           | EARL FEMA  |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 94         | Power Operation |

UNIT 1 DECLARED AN UNUSUAL EVENT AT 1115 EST DUE TO A PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS. TESTING OF THE CONTAINMENT RECIRCULATION SPRAY COOLERS REVEALED THAT THERE WAS INADEQUATE FLOW THROUGH THE COOLERS.

A 72 HOUR LCO WAS ENTERED FOR THIS CONDITION ON 01/07/94 AT 1940 EST. THE COOLERS ARE REQUIRED TO HAVE 8000 GPM RIVER WATER FLOW PER TRAIN. THE "A" TRAIN IS ONLY ABLE TO ACHIEVE 6700 GPM. THE PROBLEM IS BELIEVED TO BE CAUSED BY DEBRIS OR BIOLOGICAL FOULING (CLAMS) IN THE RIVER WATER HEADERS CLOGGING THE HEAT EXCHANGER TUBES. SHUTDOWN TO MODE 5 IS REQUIRED TO CLEAN THE HEADERS.

THE LICENSEE BEGAN SHUTTING THE PLANT DOWN AT 1100 EST ON 01/09/94 AND EXPECTS TO REACH MODE 5 CONDITIONS BY NOON ON 01/10/94. THEY WILL TERMINATE THE UNUSUAL EVENT WHEN THEY REACH MODE 5.

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED. STATE AND LOCAL OFFICIALS WILL BE NOTIFIED.

\*\*\*\* UPDATE AT 1907 EST ON 01/09/94 BY HARTMAN TAKEN BY GOULD \*\*\*\*

THE PLANT IS IN MODE 3, RCS TEMPERATURE AT 545 DEGREES F, RCS PRESSURE AT 2235 PSIG. THEY ARE CONTINUING TO COOL DOWN TO MODE 5. R1DO (KELLY)

\*\*\*\* UPDATE AT 2202 EST ON 01/09/94 BY HARTMAN TAKEN BY GOULD \*\*\*\*

THE PLANT IS STILL IN MODE 3 WITH RCS TEMPERATURE AT 445 DEGREES F AND RCS PRESSURE AT 985 PSIG.

\*\*\*\* UPDATE AT 0151 EST ON 01/10/94 TAKEN BY ANDREWS \*\*\*\*

PLANT IS NOW IN MODE 4 WITH RCS TEMPERATURE AT 349 DEGREES F AND RCS PRESSURE AT 475 PSIG. THE PLANT IS CONTINUING WITH THEIR FORCED COOLDOWN TO MODE 5.

Power Reactor

Event # 26586

\*\*\*\* UPDATE AT 10:37 EST ON 1/10/94 FROM HUMMEL TAKEN BY SEBROSKY\*\*\*\*

AS OF 10:30 EST 1/10/94 RHR IS IN SERVICE WITH RCS TEMPERATURE AT 270 DEGREES F AND RCS PRESSURE AT 370 PSIG. THE PLANT EXPECTS TO BE IN MODE FIVE WITHIN 3 TO 4 HOURS AT WHICH TIME THEY WILL EXIT THE UNUSUAL EVENT.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO (KELLY).

\*\*\*UPDATE @ 1320 EST ON 1/10/94 FROM FRED HUMMEL TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1320 EST AFTER PLANT ENTERED COLD SHUTDOWN CONDITION AT 1317 EST. LICENSEE SUSPECTS ASIATIC CLAMS IN THE "A" TRAIN HEAT EXCHANGERS (HEAT EXCHANGERS "A" & "C") FOR CONTAINMENT RECIRCULATION SPRAY. LICENSEE WILL OPEN HEAT EXCHANGERS LATER TODAY. LICENSEE WILL NOTIFY RESIDENT INSPECTOR, STATE, & LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT. R1DO (LARRY NICHOLSON), EO (AL CHAFFEE), & FEMA (EARL).

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Power Reactor

Event # 26593

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: SEQUOYAH                                       |            |           |            | Notification Date / Time: 01/10/1994 20:26 (EST) |            |   |
| Unit: 2  |            | Region: 2 |            | State : TN                                       |            | Event Date / Time: 01/10/1994 19:36 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP                  |            |           |            | Last Modification: 01/10/1994                    |            |   |
| Containment Type: ICE COND                           |            |           |            |  |            |   |
| NRC Notified by: CLYDE ARMSTRONG                     |            |           |            | Notifications: TOM DECKER                        |            | RDO                                       |
| HQ Ops Officer: JOHN MacKINNON                       |            |           |            | FRANK CONGEL                                     |            | EO  |
| Emergency Class: UNUSUAL EVENT                       |            |           |            | ED SIMMERS                                       |            | FEMA                                      |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | No        | 0          | Hot Shutdown                                     | 0          | Hot Shutdown                              |

UNUSUAL EVENT ENTERED AND TERMINATED AT 1936 EST WHEN APPROXIMATELY 90 GALLONS OF BORATED WATER WAS INJECTED INTO THE REACTOR COOLANT SYSTEM FROM #1 COLD LEG ACCUMULATOR.

AT 1916 EST, WHILE PLACING POWER ON COLD LEG ACCUMULATOR ISOLATION VALVES IN PREPARATION FOR OPENING THEM UPON ENTERING MODE 3 (HOT STANDBY), COLD LEG ACCUMULATOR #1 ISOLATION VALVE CAME OPEN DUE TO A SEALED IN AUTOMATIC OPEN SIGNAL (ACCUMULATOR ISOLATION VALVES WILL AUTOMATICALLY OPENED IF THEY ARE NOT ALREADY OPENED WHEN REACTOR COOLANT PRESSURE INCREASES TO APPROXIMATELY 1800 PSI). LICENSEE BELIEVES THAT A SEALED IN AUTOMATIC OPEN SIGNAL WAS ALREADY PRESENT WHEN THEY WERE PLACING POWER TO THE #1 COLD LEG ACCUMULATOR ISOLATION VALVE FROM A PREVIOUS TEST. LICENSEE THINKS WHEN SI-93 (FUNCTIONAL TEST OF REACTOR TRIP SIGNAL) WAS PERFORMED, A HI-HI PRESSURE REACTOR TRIP SIGNAL REMAINED SEALED IN. WHEN POWER WAS PLACED ON THE FIRST COLD LEG ACCUMULATOR ISOLATION VALVE (# 1 ACCUMULATOR) THE VALVE AUTOMATICALLY OPENED.

THE VALVE WAS IMMEDIATELY CLOSED BY THE OPERATOR. APPROXIMATELY 90 GALLONS OF BORATED WATER WAS INJECTED INTO THE REACTOR COOLANT SYSTEM SINCE THE ACCUMULATOR PRESSURE WAS AT 635 PSI AND THE REACTOR COOLANT SYSTEM WAS AT 580 PSI. THE LICENSEE SAID THAT THEY DID NOT SEE PRESSURIZER LEVEL INCREASE BECAUSE ONE PERCENT PRESSURIZER LEVEL EQUALS APPROXIMATELY 62 GALLONS.

LICENSEE ENTERED AND TERMINATED THE UNUSUAL EVENT CLASSIFICATION AT 1936 EST AFTER REVIEWING FU4 (INITIATION AND DISCHARGE OF ECCS TO THE REACTOR COOLANT SYSTEM). LICENSEE SAID THAT THEY NOW HAVE TO FLUSH #1 ACCUMULATOR CHECK VALVES AFTER THEY WERE OPENED BY THE DISCHARGE FROM THE ACCUMULATOR TO THE REACTOR COOLANT SYSTEM. THE FLUSH WILL TAKE EIGHT TO TWELVE HOURS TO PERFORM. THE EARLIEST LICENSEE CAN START UP IS THE MORNING OF 1/11/94.

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Power Reactor

Event # 26593

LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS OF THIS EVENT. THE NRC RESIDENT  
INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*\*\*

Power Reactor

Event # 26606

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HADDAM NECK                 |           | Notification Date / Time: 01/13/1994 05:23 (EST) |   |
| Unit: 1                           | Region: 1 | State : CT                                       | Event Date / Time: 01/13/1994 05:00 (EST) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 01/13/1994                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: BARTRON          |           | Notifications: PETER ESELGROTH RDO               |   |
| HQ Ops Officer: TIM McGINTY       |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | STEINDORF FEMA                                   |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 88         | Power Operation |

THE PLANT COMMENCED A TS REQUIRED SHUTDOWN AT 0500 EST DUE TO THE RODS BEING INOPERABLE DUE TO POSITION INDICATION.

THE POSITION INDICATIONS OF THREE CONTROL RODS (34, 35 & 36) ARE READING BELOW THE MINIMUM HEIGHT SPECIFIED IN TS 3.1.3.2. THE RODS WERE DECLARED INOPERABLE AT 0330 EST, AND THE TS A/S REQUIRES THE PLANT TO BE SHUTDOWN WITHIN 6 HOURS (IF MORE THAN ONE INDIVIDUAL ROD POSITION INDICATION IS INOPERABLE). THE RODS ARE A CONTROL BANK AND WERE NOT MOVED RECENTLY FROM THE 320 STEPS OUT POSITION. THE TS MINIMUM IS 317 STEPS. THE LOWEST POSITION OBSERVED HAS BEEN 314 STEPS. THE FIRST ROD DRIFTED BELOW AT 0315 EST, AND THE SECOND ROD DRIFTED BELOW AT 0330 EST.

THE LICENSEE IS PURSUING REPAIR OF THE POSITION INDICATION FOR THE THREE INOPERABLE RODS. IT APPEARS TO BE AN INDICATION PROBLEM AND NOT AN ACTUAL CONDITION. THE THREE RODS ARE ALL ASSOCIATED WITH ONE PARTICULAR POSITION INDICATION DRAWER. THUS, THE POTENTIAL SOURCE OF THE PROBLEM IS THE COMMON POWER SUPPLY OR THE COMMON OUTPUT OF THE DRAWER TO THE PLANT PROCESS COMPUTER. THE LICENSEE HAS SPARES OF THE COMPUTER CARDS AND THE POWER SUPPLY, SO THERE IS A CHANCE THAT REPAIRS WILL BE COMPLETED PRIOR TO COMPLETION OF THE SHUTDOWN.

THE PLANT DECLARED AND TERMINATED THE UNUSUAL EVENT WITH THE COMMENCEMENT OF THE SHUTDOWN AT 0500 EST. THE PLANT HAS BEEN REQUESTED TO PROVIDE AN UPDATE RELATIVE TO THE COMPLETION OF THE REPAIRS OR THE SHUTDOWN, OR IF CONDITIONS WORSEN.

THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND THE STATE OF CONNECTICUT.

**\*\* UPDATE DATE/TIME: 1/14/94 @ 0636 \*\*\*FROM LICENSEE: BARTRON BY: McGINTY\*\***

THE LICENSEE DETERMINED THE CAUSE OF THE POSITION INDICATION PROBLEM TO BE A LOOSE WIRE ON A POWER SUPPLY THAT WAS COMMON TO ALL 3 RODS. IT HAS BEEN REPAIRED, THE RODS

Power Reactor

Event # 26606

HAVE BEEN RE-CALIBRATED AND THE TS A/S STATEMENT WAS EXITED AT 0630 EST. THE UNIT IS AT 72% POWER AND WILL BE INCREASING POWER. THE RODS IN QUESTION REMAINED AT 320 STEPS (WERE NOT MOVED). THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. R1DO (ESELGROTH) AND EO (DENNIG) INFORMED.

\*\*\*\*\*

Power Reactor

Event # 26607

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HADDAM NECK                 |           | Notification Date / Time: 01/13/1994 08:47 (EST) |   |
| Unit: 1                           | Region: 1 | State : CT                                       | Event Date / Time: 01/13/1994 08:05 (EST) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 01/13/1994                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: WILLIS           |           | Notifications: PETER ESELGROTH RDO               |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | GOODWIN EO                                       |   |
| Emergency Class: UNUSUAL EVENT    |           | BELCHER FEMA                                     |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 75         | Power Operation | 75         | Power Operation |

THE LICENSEE REPORTED AN UNPLANNED RELEASE WHILE VENTING THE VCT.

THE RELEASE OCCURRED FOR APPROXIMATELY 5 TO 10 MINS WHEN A RELIEF VALVE ON THE WASTE GAS SYSTEM LIFTED WHILE THEY WERE VENTING THE VCT. THEY ARE INVESTIGATING WHY THE RELIEF VALVE LIFTED. AT THIS TIME THEY DO NOT KNOW THE ISOTOPIC BREAKDOWN OF THE RCS GASES THAT WERE RELEASED. THE RELEASE RATE WAS APPROXIMATELY 8000 MICRO CURIES/SEC. THEY DID NOT EXCEED TS LIMITS. THERE WAS NO EVACUATION, NO PERSONNEL CONTAMINATION AND HP BACKUP WAS NOT REQUESTED. THE NOUE WILL NOT BE TERMINATED UNTIL THEY DETERMINE THE ISOTOPIC BREAKDOWN ON ACTIVITY AND TOTAL ACTIVITY. THE RELEASE WAS TERMINATED WITHIN 10 MINS. THE RI, STATE AND LOCAL AGENCIES HAVE BEEN INFORMED. THERE MAY ALSO BE A PRESS RELEASE.

\*\*\*UPDATE AT 09:33 TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 09:22. THE RELEASE WAS 36% OF TS LIMIT. THE TOTAL ACTIVITY RELEASED WAS 4.8 CURIES OF NOBLE GAS AND THERE WAS NO IODINE. THE RI WAS INFORMED.

HOO NOTIFIED: DOT-NRC (MAULDIN), EPA (LYMAN), HHS (RABB), USDA (LEWIS), DOE (TANNER), EO (DENNIG), HQ PA (INGRAM), R1 PA (ABRAHAM) & SP (MAUPIN).

\*\*\*\*\*

Power Reactor

Event # 26608

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: CALVERT CLIFFS                   |            | Notification Date / Time: 01/13/1994 09:40 (EST) |   |                 |            |                 |
| Unit: 2                                | Region: 1  | State : MD                                       | Event Date / Time: 01/13/1994 09:30 (EST) |                 |            |                 |
| Reactor Type: [1] CE,[2] CE            |            | Last Modification: 01/13/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: MCGREW                |            | Notifications: PETER ESELGROTH RDO               |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD         |            | DENNIG EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | LAIRD FEMA                                       |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N          | No   | 0   | Hot Standby     | 0          | Hot Standby     |

THE LICENSEE REPORTED A TS REQUIRED SHUTDOWN DUE TO PRESSURE BOUNDARY LEAKAGE.

THE LICENSEE DISCOVERED A STEAM LEAK POSSIBLY COMING FROM A WELD ON A SENSING LINE THAT DETECTS REACTOR VESSEL INNER "O" RING SEAL LEAKAGE. THE LEAKAGE RATE IS NOT MEASURABLE, BUT THE TOTAL RCS LEAKAGE MEASURES .3 GPM. THIS PRESSURE BOUNDARY LEAKAGE PUTS THEM IN TS 3.4.6.2 WHICH REQUIRES THEM TO BE IN COLD S/D WITHIN 30 HRS. STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED AND THE RI WILL BE NOTIFIED.

NOTE: THE LICENSEE ALSO REPORTED(BY DENTON) THIS EVENT AT 09:52 AS A 1 HR 50.72 (b)(1)(i)(A) TS REQUIRED S/D.

\*\*\* UPDATE 2243EST 01/13/94 FROM J. JAEGER BY S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UE AT 2220EST WHEN UNIT 2 REACHED MODE 5 (COLD SHUTDOWN). THERE IS NO NOTICEABLE CHANGE IN THE TOTAL RCS LEAKAGE. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(NICHOLSON), EO(VIRGILIO) AND FEMA(BAGWELL).

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Power Reactor

Event # 26628

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: ROBINSON                    |           | Notification Date / Time: 01/17/1994 15:59 (EST) |   |
| Unit: 2                           | Region: 2 | State : SC                                       | Event Date / Time: 01/17/1994 15:12 (EST) |
| Reactor Type: [2] W-3-LP          |           | Last Modification: 01/17/1994                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: REYNOLDS         |           | Notifications: JOHN POTTER RDO                   |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | MUSE FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

THE PLANT DECLARED BOTH EMERGENCY DIESEL GENERATORS INOPERABLE PUTTING THEM IN AN ACTION STATEMENT REQUIRING THEM NOT RAISE PRIMARY TEMPERATURE ABOVE 200F(THEY ARE AT 152F).

THIS OCCURRED WHEN THE SERVICE WATER LINE WHICH FEEDS THE COOLING SYSTEM FOR "A" D/G, WHICH HAD THAWED OUT AFTER BEING FROZEN, RUPTURED AND POURED WATER ON TO THE "A" D/G CABINET. AT THIS POINT THEY REMOVED THE CABINET FROM SERVICE BECAUSE OF A POTENTIAL GROUND, AND THIS RESULTED IN THE "A" D/G BEING MADE INOPERABLE. THE "B" D/G WAS ALREADY UNDER A CLEARANCE AND NOT AVAILABLE, SO THAT RESULTED IN BOTH D/G's BEING INOPERABLE AT THE SAME TIME, PUTTING THEM IN THE UNUSUAL EVENT. THEY ARE TRYING TO RETURN THE "B" D/G BACK TO SERVICE WITHIN 1 HR, BUT IT MAY NOT BE VERIFIED AS BEING OPERABLE AT THAT TIME. THE PLANT HAS OFFSITE POWER AVAILABLE AND ALL SAFETY EQUIPMENT IS OPERABLE. THE RI AND STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE AT 17:33 BY GRANT TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 17:13 WHEN THE "B" EDG WAS PLACED IN AVAILABLE STATUS AND WAS CARRYING THE LOAD. THE RI WAS INFORMED.

\*\*\*\*\*

Power Reactor

Event # 26630

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 01/17/1994 20:03 (EST) |            |   |
| Unit: 2                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 01/17/1994 19:48 (EST) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 01/17/1994                    |            |   |
| Containment Type: DRY AMB                |            |           |            |  |            |   |
| NRC Notified by: BRODER                  |            |           |            | Notifications: LARRY NICHOLSON                   |            | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD           |            |           |            | MARTIN VIRGILIO                                  |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |           |            | MUSE   |            | FEMA                                      |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | Yes       | 96         | Power Operation                                  | 90         | Power Operation                           |

THE PLANT INITIATED A SHUTDOWN IN ACCORDANCE WITH TS DUE TO THE #3 SAFETY INJECTION(SI) TANK BEING OUT OF SPECIFICATIONS.

TS REQUIRES THAT THE SI TANKS MUST MAINTAIN PRESSURE BETWEEN 200-250LBS. THE PRESSURE OF THE #3 TANK HAD A STEP CHANGE PRESSURE DROP FROM 220-125LBS. PERSONNEL ENTERED CONTAINMENT TO DETERMINE THE CAUSE, BUT THEY COULD NOT MAKE ANY DETERMINATION. I&C WAS CALLED IN TO TROUBLESHOOT AND AT THE SAME TIME THEY STARTED PLANT SHUTDOWN TO COMPLY WITH THE TS. DURING THE COURSE OF THE REDUCTION IN POWER THEY DETERMINED THAT SOMETHING IN THE SPEC 200 CABINET BETWEEN THE TRANSMITTER AND THE GAGE ON THEIR CONTROL PANEL WAS THE PROBLEM. THEY READ THE OUTPUT FROM THE TRANSMITTER WITH A METER AND IT EQUATED TO A PRESSURE OF 214LBS SO THEY WERE IN COMPLIANCE WITH TS REQUIREMENTS AND THEY TERMINATED POWER REDUCTION(APPROX 89%). THEY BELIEVE THE PROBLEM MAY BE A CIRCUIT CARD IN THE CABINET. THE TANK WAS DECLARED BACK IN SPECS AND THE NOUE WAS TERMINATED AT 19:55. THE RI, STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 26680

|                                |                    |  |   |                 |            |                 |
|--------------------------------|--------------------|--|---|-----------------|------------|-----------------|
| Site: CALVERT CLIFFS           |                    | Notification Date / Time: 01/25/1994 17:59 (EST) |   |                 |            |                 |
| Unit: 1                        | Region: 1          | State : MD                                       | Event Date / Time: 01/25/1994 15:24 (EST) |                 |            |                 |
| Reactor Type: [1] CE,[2] CE    |                    | Last Modification: 01/26/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB      |                    |  |   |                 |            |                 |
| NRC Notified by: BRUCE SHICK   |                    | Notifications: WILLIAM RULAND RDO                |   |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN   |                    |  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT |                    |  |   |                 |            |                 |
| 10 CFR Section:                |                    |  |   |                 |            |                 |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                | ESF ACTUATION      |  |   |                 |            |                 |
| Unit                           | Scram Code         | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                              | N                  | No   | 0   | Hot Standby     | 0          | Hot Standby     |

UNIT 1 EXPERIENCED AN AUTOSTART OF THE "12" EMERGENCY DIESEL GENERATOR (EDG) DUE TO A SECOND FAILURE OF THE "12" 120VAC INVERTER.

THE 120VAC VITAL BUS "1Y02" DEENERGIZED WHEN INVERTER "12" FAILED. THIS CAUSED THE "B" LOGIC OF ESFAS TO DEENERGIZE SENDING AN UNDERVOLTAGE TRIP SIGNAL TO THE NORMAL FEEDER BREAKER FOR "14" 4KV BUS. THIS RESULTED IN THE AUTOSTART OF THE "12" EDG. THE "14" 4KV BUS WAS REENERGIZED FROM THE ALTERNATE FEEDER PRIOR TO MANUALLY CLOSING THE "12" EDG OUTPUT BREAKER. THIS ALLOWED THE EDG TO ASSUME LOAD FOR APPROXIMATELY 1 HOUR BEFORE BEING SECURED. SUBSEQUENTLY, LOADS WERE TRANSFERRED TO THE NORMAL FEED AND THE ALTERNATE FEED WAS SECURED. TECHNICIANS REPORTED THAT A BLOWN FUSE WAS AGAIN FOUND. THE PREVIOUS PROBLEM WITH THE INVERTER WAS IDENTIFIED AS A BAD VOLTAGE REGULATOR CARD WHICH HAD BEEN REPLACED. TECHNICIANS ARE CURRENTLY TROUBLESHOOTING THE PROBLEM. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND HAS INFORMED THEIR PUBLIC MESSAGE CENTER.

HOO NOTE: SEE EVENT #26670

\*\*\* UPDATE 01/26/94 1109EST FROM:HAMMONDS BY:SCARFO \*\*\*

AN NOUE WAS DECLARED AT 1050EST WHEN A TECHNICAL SPECIFICATION (T/S) REQUIRED COOLDOWN WAS INITIATED DUE TO THE EXPIRATION OF T/S ACTION STATEMENT 3.8.2.1 (24 HOUR LCO). THE T/S COVERS THE INOPERABLE INVERTER. THE UNIT MUST BE IN HOT SHUTDOWN WITHIN SIX HOURS AND COLD SHUTDOWN WITHIN 30 HOURS.

THE VITAL BUSES OFF OF THE INVERTER REMAINS ENERGIZED FROM AN UNSPECIFIED BACKUP POWER SOURCE. AN INVESTIGATION OF THE INOPERABLE INVERTER INDICATES FURTHER DAMAGE THAN PREVIOUSLY REPORTED. NO FURTHER DETAILS WERE AVAILABLE AT THE TIME OF THIS UPDATE. THE CRITERION FOR TERMINATING THE NOUE IS ENTRY INTO MODE 5 (COLD SHUTDOWN).

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Power Reactor

Event # 26680

STATE AND LOCAL AGENCIES WERE NOTIFIED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO(RULAND), EO(GRIMES,C), FEMA(SULLIVAN) NOTIFIED.

\*\*\* UPDATE 2144EST 1/26/94 FROM FOSTER BY S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2105EST BASED ON UNIT 1 REACHING MODE 5 (COLD SHUTDOWN). THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(RULAND), EO(VARGA) AND FEMA(EARL).

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Power Reactor

Event # 26687

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: CALVERT CLIFFS              |                      | Notification Date / Time: 01/26/1994 16:53 (EST) |  |
| Unit: 1 2                         | Region: 1 State : MD | Event Date / Time: 01/26/1994 16:40 (EST)        |  |
| Reactor Type: [1] CE,[2] CE       |                      | Last Modification: 01/26/1994                    |  |
| Containment Type: DRY AMB DRY AMB |                      |  |  |
| NRC Notified by: HAMMANS          |                      | Notifications: WILLIAM RULAND RDO                |  |
| HQ Ops Officer: STEVE SANDIN      |                      | STEVEN VARGA EO                                  |  |
| Emergency Class: UNUSUAL EVENT    |                      | LOUZONIS FEMA                                    |  |
| 10 CFR Section:                   |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO THE LOSS OF METEOROLOGICAL INSTRUMENTATION.

THE LICENSEE IS UNABLE TO OBTAIN WIND DIRECTION READING DUE TO FROZEN MET TOWER INSTRUMENTS. A PRIORITY ONE MAINTENANCE ORDER TO RESTORE THE AFFECTED INSTRUMENTS HAS BEEN ISSUED. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. IT IS NOT KNOWN WHETHER A PRESS RELEASE WILL BE ISSUED.

\*\*\* UPDATE 2144EST 1/26/94 FROM FOSTER BY S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2105EST BASED ON THE PRIMARY MET TOWER INSTRUMENTATION RETURN TO SERVICE. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(RULAND), EO(VARGA) AND FEMA(EARL).

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Power Reactor

Event # 26689

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: WOLF CREEK                       |            | Notification Date / Time: 01/27/1994 03:46 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 4  | State : KS                                       | Event Date / Time: 01/27/1994 02:44 (CST) |                 |            |                 |
| Reactor Type: [1] W-4-LP               |            | Last Modification: 01/27/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: MCKINNEY              |            | Notifications: GARY SANBORN RDO                  |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD         |            | STEVE VARGA EO                                   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | WITSBERGER FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 47  | Power Operation | 47         | Power Operation |

THE PLANT IS GOING TO COMMENCE SHUTDOWN TO MODE 3 DUE TO TS 3.1.3.1 REQUIREMENTS THAT ALL FULL-LENGTH SHUTDOWN AND CONTROL RODS BE OPERABLE AND POSITIONED WITHIN 12 STEPS OF THEIR GROUP STEP COUNTER DEMAND POSITION.

THIS CONDITION WAS NOT MET WHEN CONTROL BANK ROD "M12" WAS DECLARED INOPERABLE DUE TO AN ELECTRICAL PROBLEM IN THE CONTROL SYSTEM. THE ROD, HOWEVER, CAN STILL BE TRIPPED. THE TS ACTION STATEMENT REQUIRES THAT THE ROD BE MADE OPERABLE WITHIN 72 HRS OR THE PLANT WILL BE IN HOT S/B WITHIN THE FOLLOWING 6 HRS. ROD "M12" WILL NOT BE RESTORED IN THE TIME ALLOWED, SO THEY ARE COMMENCING PLANT SHUTDOWN TO MODE 3 AS REQUIRED BY TS. ALL OTHER SYSTEMS ARE OPERABLE. THE RI, STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE @ 0551EST 01/27/94 BY WALGREN TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0423CST DUE TO PLANT ENTERING MODE 3 (HOT SHUTDOWN) CONDITION. A PRESS RELEASE OF THIS EVENT WILL BE MADE. SEE EVENT # 26690. R4DO (SANBORN), EO (VARGA), FEMA (WITSBERGER) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED BY LICENSEE.

\*\*\*\*\*

Power Reactor

Event # 26696

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: CALVERT CLIFFS              |                      | Notification Date / Time: 01/27/1994 21:23 (EST) |  |
| Unit: 1 2                         | Region: 1 State : MD | Event Date / Time: 01/27/1994 21:18 (EST)        |  |
| Reactor Type: [1] CE,[2] CE       |                      | Last Modification: 01/27/1994                    |  |
| Containment Type: DRY AMB DRY AMB |                      |  |  |
| NRC Notified by: ANDERS           |                      | Notifications: WILLIAM RULAND RDO                |  |
| HQ Ops Officer: JOSEPH SEBROSKY   |                      | STEVEN VARGA EO                                  |  |
| Emergency Class: UNUSUAL EVENT    |                      | RALPH HERSKO FEMA                                |  |
| 10 CFR Section:                   |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO THE LOSS OF METEOROLOGICAL INSTRUMENTATION.

THE LICENSEE IS UNABLE TO OBTAIN WIND DIRECTION READING DUE TO A FROZEN MET TOWER INSTRUMENT. A PRIORITY ONE MAINTENANCE ORDER TO RESTORE THE AFFECTED INSTRUMENTS HAS BEEN ISSUED. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND WILL INFORM THE RESIDENT INSPECTOR. SEE EVENT # 26687 FOR A SIMILAR EVENT.

\*\*\*UPDATE AT 08:41 BY COKE TO GOULD\*\*\*THE LICENSEE REPORTED THAT THEY ARE STILL IN THE NOUE BUT THEY HAVE OFFSITE METHODS FOR OBTAINING MET DATA.

\*\*\* UPDATE 01/28/94 0913EST FROM:COOK BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0850EST WHEN THE METEOROLOGICAL TOWER WAS RETURNED TO SERVICE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. CALVERT COUNTY, ST. MARY'S COUNTY, DORCHESTER, MARYLAND EMERGENCY MANAGEMENT AGENCY, MARYLAND DEPARTMENT OF THE ENVIRONMENT WERE NOTIFIED. R1DO(RULAND), EO(GRIMES), FEMA(SHULL) NOTIFIED.

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Power Reactor

Event # 26709

|                                |                    |  |   |
|--------------------------------|--------------------|--|---|
| Site: FERMI                    |                    | Notification Date / Time: 01/29/1994 07:56 (EST) |   |
| Unit: 2                        | Region: 3          | State : MI                                       | Event Date / Time: 01/29/1994 07:04 (EST) |
| Reactor Type: [2] GE-4         |                    | Last Modification: 02/28/1994                    |   |
| Containment Type: MARK I       |                    |  |   |
| NRC Notified by: SNYDER        |                    | Notifications: JIM CREED RDO                     |   |
| HQ Ops Officer: JOHN MacKINNON |                    | STEVE VARGA EO                                   |   |
| Emergency Class: UNUSUAL EVENT |                    | SHULL FEMA                                       |   |
| 10 CFR Section:                |                    | ED JORDAN AEOD                                   |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED | BILL BEECHER                                     | PAO                                       |
| 50.72(b)(1)(vi)                | FIRE (ONSITE)      | ED GREENMAN                                      | REG3                                      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

FIRE LASTED 20 MINUTES IN TURBINE BUILDING PASSENGER ELEVATOR SHAFT BEFORE IT WAS EXTINGUISHED.

FIRE IN TURBINE BUILDING PASSENGER ELEVATOR SHAFT LASTED FROM 0654EST UNTIL IT WAS EXTINGUISHED AT 0714EST. LICENSEE'S ONSITE FIRE BRIGADE EXTINGUISHED THE FIRE USING FIRE EXTINGUISHERS AND USING FIRE RETARDANT CHEMICAL "PKP" (LICENSEE DID NOT HAVE TO CALL LOCAL FIRE DEPARTMENT FOR HELP). ONE OF LICENSEE'S FIRE FIGHTERS WAS OVERCOME BY SMOKE INHALATION WHILE FIGHTING THE FIRE. THE FIRE FIGHTER RECOVERED AND WAS LATER TRANSFERRED OFFSITE IN AN AMBULANCE FOR OBSERVATION (LICENSEE HAD CALLED FOR THE AMBULANCE).

LICENSEE THINKS THE FIRE IN THE ELEVATOR SHAFT WAS CAUSED BY THE RUBBING TOGETHER OF TWO 1.25" DIAMETER ELEVATOR POWER CABLES LOCATED IN THE ELEVATOR SHAFT BETWEEN THE FIRST AND SECOND FLOOR OF THE TURBINE BUILDING. FLAMES COULD BE SEEN SHOOTING UP THE ELEVATOR SHAFT THROUGH THE ELEVATOR DOORS ON THE SECOND AND THIRD FLOOR OF THE TURBINE BUILDING. LICENSEE SAID THE THE FIRE WAS NOT CAUSED BY RESIDUAL MAIN TURBINE LUBRICATING OIL OR MAIN TURBINE EHC OIL FROM 12/25/93 EVENT. SMOKE FROM THE FIRE ACCUMULATED IN THE THIRD FLOOR OF THE TURBINE BUILDING. ALL THE SMOKE FROM THE FIRE HAS BEEN VENTILATED FROM THE TURBINE BUILDING. LICENSEE TERMINATED THE UNUSUAL EVENT AT 0753EST AFTER THEY MADE SURE THE FIRE WAS OUT. ELEVATOR HAD NOBODY IN IT WHEN THE FIRE STARTED. NO SAFETY SYSTEMS IN THE PLANT WERE AFFECTED BY THIS FIRE. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT. A PRESS RELEASE WILL BE MADE BY LICENSEE LATER TODAY ABOUT THIS FIRE.

LICENSEE WILL NOTIFY THEIR RESIDENT INSPECTOR OF THIS EVENT.

PHILIPPE DUPORT OF THE CANADIAN ATOMIC ENERGY CONTROL BOARD WAS INFORMED OF THIS EVENT AT 0845EST. CANADIAN ATOMIC ENERGY CONTROL BOARD 24 HOUR LINE WAS INFORMED OF THIS EVENT AT 0832EST.

Power Reactor

Event # 26709

\*\*\* UPDATE @ 12:48 1/29/94 FROM SNYDER TAKEN BY SEBROSKY \*\*\*

THE LICENSEE CONFIRMED THAT THE FIRE WAS CAUSED BY CABLES THAT WERE ACTUALLY POWERING THE ELEVATOR. THE CABLES HAD CLOTH FIRE PROTECTION WRAPPING. THE WATER/OIL COMBINATION THAT WAS IN THE BOTTOM OF THE ELEVATOR SHAFT AS A RESULT OF THE 12/25/93 INCIDENT (SEE EVENT # 26536) APPARENTLY CAUSED DEGRADATION OF THE CLOTH WHICH RESULTED IN THE FIRE.

IN ADDITION THE PERSON THAT WAS OVERCOME BY SMOKE WAS NOT PART OF THE FIRE BRIGADE. THE PERSON WAS AN EXTRA SECURITY GUARD WHO HAD FIRE BRIGADE TRAINING, WHO HAD COME TO THE AREA TO ASSIST. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR OF THE UPDATE.

HOO NOTIFIED R3DO(CREED) AND EO(VARGA).

\*\*\* UPDATE 10:52 2/28/94 FROM KIEL TAKEN BY SEBROSKY \*\*\*

LICENSEE IS UPDATING THIS EVENT TO REFLECT THAT THE ORIGINAL REPORT SHOULD NOT HAVE BEEN CLASSIFIED AS A 10 CFR 50.72(b)(1)(vi) REPORT AND THEREFORE NO LER WILL BE WRITTEN BY THE LICENSEE CONCERNING THIS EVENT.

THE LICENSEE IS RETRACTING THE 10 CFR 50.72(b)(1)(vi) PART OF THIS NOTIFICATION BASED ON FURTHER ANALYSIS. THE LICENSEE CONSIDERS THAT THE ELEVATOR FIRE DID NOT POSE AN ACTUAL THREAT TO THE SAFETY OF THE NUCLEAR POWER PLANT OR SIGNIFICANTLY HAMPER SITE PERSONNEL IN THE PERFORMANCE OF THE DUTIES NECESSARY FOR THE SAFE OPERATION OF THE NUCLEAR POWER PLANT. THIS CONCLUSION WAS REACHED AFTER REVIEWING NUREG 1022 WHERE THERE ARE EXAMPLES GIVEN OF WHEN OR WHEN NOT A 10 CFR 50.73 REPORT SHOULD BE SUBMITTED BECAUSE OF A FIRE.

THE LICENSEE CONSIDERS THAT THE 10 CFR 50.72 WAS APPROPRIATE AS CALLED INTO THE OPERATIONS CENTER ON 1/29/94 WITH THE EXCEPTION THAT THE 10 CFR 50.72 NOTIFICATION OF UNUSUAL EVENT APPLIED AND THE 10 CFR 50.72(b)(1)(vi) NOTIFICATION WAS SUBSEQUENTLY DETERMINED NOT TO APPLY.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R3DO(HILAND).

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Power Reactor

Event # 26716

|                                   |  |           |            |  |  |      |
|-----------------------------------|--|-----------|------------|--|--|------|
| Site: ARKANSAS NUCLEAR            |  |           |            | Notification Date / Time: 02/01/1994 10:18 (EST) |  |      |
| Unit: 1                           |  | Region: 4 | State : AR | Event Date / Time: 02/01/1994 09:05 (CST)        |  |      |
| Reactor Type: [1] B&W-L-LP,[2] CE |  |           |            | Last Modification: 02/01/1994                    |  |      |
| Containment Type: DRY AMB         |  |           |            |  |  |      |
| NRC Notified by: GARY SANDERS     |  |           |            | Notifications: BILL JOHNSON                      |  | RDO  |
| HQ Ops Officer: JOHN MacKINNON    |  |           |            | JERRY CARTER                                     |  | EO   |
| Emergency Class: UNUSUAL EVENT    |  |           |            | CALDWELL   |  | FEMA |
| 10 CFR Section:                   |  |           |            |  |  |      |
| 50.72(a)(1)(i) EMERGENCY DECLARED |  |           |            |  |  |      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 93         | Power Operation |

TECHNICAL SPECIFICATION REQUIRED SHUTDOWN DUE TO ONE OF FOUR EMERGENCY FEEDWATER (EFW) LEVEL TRANSMITTERS IS INOPERABLE.

LICENSEE ENTERED TECH SPEC 3.4.5.1 (ALL FOUR EFW FLOW PATHS MUST BE OPERABLE OR IF ONE IS INOPERABLE GO TO A HOT SHUTDOWN CONDITION, etc.) WHEN EMERGENCY FEEDWATER LEVEL TRANSMITTER (LT-2622) WAS DECLARED INOPERABLE. LT-2622 IS INDICATING THAT OTSG "A" WATER LEVEL OF 63" (OTSG "A" WATER LEVEL SHOULD BE INDICATING 53"). LICENSEE THINKS THAT THEY HAVE A LEAK ON THE REFERENCE LEG OF THE LEVEL TRANSMITTER AND THEY WILL HAVE TO ENTER CONTAINMENT TO REPAIR THIS LEVEL TRANSMITTER. LICENSEE IS DECREASING REACTOR POWER AT LESS THAN 30% PER HOUR AND THEY PLAN TO BE IN A HOT SHUTDOWN CONDITION BY 1400EST. LICENSEE SAID THAT LT-2622 ONLY AFFECTS THEIR STEAM DRIVEN EMERGENCY FEEDWATER PUMP TO OTSG "A" (STEAM DRIVEN EMERGENCY FEEDWATER PUMP CAN STILL FEED OTSG "B"). THEIR ELECTRIC DRIVEN EMERGENCY FEEDWATER PUMP CAN STILL FEED BOTH THE "A" & "B" OTSGs. EACH EMERGENCY FEEDWATER PUMP HAS TWO LEVEL CONTROL VALVES (ONE TO THE "A" OTSG AND THE OTHER TO THE "B" OTSG) AND THEY ARE EACH SEPARATELY CONTROLLED BY AN INDIVIDUAL LEVEL TRANSMITTER. THE LEVEL TRANSMITTERS INITIATE EMERGENCY FEEDWATER PUMPS AT A OTSG WATER LEVEL OF 13.5" AND CONTROL THE FLOW TO THE OTSGs. ALL ECCS AND EDGs ARE FULLY OPERABLE IF NEEDED. LICENSEE SAID THAT ONE OF THEIR FOUR POWER RANGE DETECTORS IS INOPERABLE (NI-7, CHANNEL 7). LICENSEE SAID THAT THEY EXPECT TO STAY IN THE UNUSUAL EVENT UNTIL THE LEVEL TRANSMITTER IS REPAIRED OR UNTIL THEY ENTER A COLD SHUTDOWN CONDITION. LICENSEE SAID THAT THEY WOULD NOT RESTART FOR APPROXIMATELY 24 HOURS AFTER SHUTTING DOWN THE PLANT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE OF THIS EVENT.

\*\*\* UPDATE 2/1/94 @ 13:11 FROM SCHEIDE TAKEN BY SEBROSKY \*\*\*

THE LICENSEE WILL ISSUE A PRESS RELEASE ON THIS EVENT. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R4DO(JOHNSON).

Power Reactor

Event # 26716

\*\*\* UPDATE 02/01/94 1505EST FROM:GOHMAN BY:SCARFO \*\*\*

THE UNIT ENTERED HOT SHUTDOWN AT 1355CST. REPAIRS ON THE LEVEL TRANSMITTER ARE ONGOING. THE UNIT IS PROCEEDING TO COLD SHUTDOWN.

\*\*\* UPDATE 02/01/94 2319EST FROM:SOUTH BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 2304EST WHEN LEVEL TRANSMITTER "LT2622" WAS REPLACED AND RETURNED TO SERVICE. THE UNIT REMAINS IN HOT SHUTDOWN AND WILL INITIATE A RESTART TOMORROW. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE ARKANSAS DEPARTMENT OF HEALTH, POPE COUNTY, LOGAN COUNTY, YELL COUNTY, JOHNSON COUNTY, AND CONWAY COUNTY WERE NOTIFIED. R4DO(JOHNSON), EO(DENNIG), AND FEMA(SULLIVAN) NOTIFIED.

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Power Reactor

Event # 26724

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: VOGTLE                        |           | Notification Date / Time: 02/02/1994 06:39 (EST) |   |
| Unit: 1                             | Region: 2 | State : GA                                       | Event Date / Time: 02/02/1994 05:57 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 02/02/1994                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: TOM TYNAN          |           | Notifications: J. P. STOHR RDO                   |   |
| HQ Ops Officer: RUDY KARSCH         |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | B. CARR FEMA                                     |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN EMERGENCY CORE COOLING SYSTEM INITIATION AND DISCHARGE INTO THE REACTOR VESSEL.

THE FOLLOWING IS THE TEXT OF THE FAX NOTIFICATION RECEIVED FROM THE LICENSEE: "UNIT 1 REACTOR TRIP AND SAFETY INJECTION OCCURRED DURING PROTECTION SYSTEM MAINTENANCE. REACTOR TRIP AND SAFETY INJECTION WERE AN INADVERTENT RESULT OF PROTECTION SYSTEM MAINTENANCE AND NOT A RESULT OF VALID SYSTEM PARAMETERS."

AN UNUSUAL EVENT WAS DECLARED AT 0610 WHEN UNIT 1 EXPERIENCED A REACTOR TRIP AND SAFETY INJECTION DURING THE PERFORMANCE OF MAINTENANCE ON A PRESSURIZER PRESSURE INSTRUMENT CHANNEL. THE UNUSUAL EVENT WILL TERMINATE WHEN THE LICENSEE RESOLVES OUTSTANDING PROBLEMS (PLANT SHUTDOWN AND STABLE) AND ALL NOTIFICATIONS ARE COMPLETED. ALL CONTROL RODS FULLY INSERTED FOLLOWING THE TRIP. DECAY HEAT IS BEING REJECTED VIA STEAM DUMPS TO THE MAIN CONDENSER. THE SAFETY INJECTION LASTED APPROXIMATELY TEN MINUTES, HOWEVER, NO PRESSURIZER PORVS OR SAFETY VALVES LIFTED.

THE LICENSEE WAS IN THE PROCESS OF RESTORING PRESSURIZER PRESSURE CHANNEL 3 TO SERVICE. A DOWNWARD PRESSURE SPIKE OCCURRED WHEN THE PRESSURE SENSOR ISOLATION VALVE WAS OPENED. CHANNEL 3 AND 4 SHARE A COMMON SENSING LINE, SO BOTH CHANNELS SENSED LOW PRESSURIZER PRESSURE WHICH SATISFIED THE TWO OUT OF FOUR LOGIC INITIATING THE REACTOR TRIP AND SAFETY INJECTION. THE LICENSEE HAS REESTABLISHED LETDOWN FLOW AND IS RESTORING PRESSURIZER LEVEL TO ITS PROGRAMMED VALUE.

THE LICENSEE INFORMED STATE AND LOCAL GOVERNMENT AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0814 EST BY HARGIS TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 0750 EST. LICENSEE HAS EXITED THEIR EMERGENCY PROCEDURES AND THE PLANT IS STABLE IN MODE 3. THE CAUSE OF THE LOW PRESSURE TRIP WAS

Power Reactor

Event # 26724

DUE TO BUMPING THE INSTRUMENTATION ROOT VALVE FOR THE CHANNEL 3 PRESSURIZER PRESSURE SENSOR, WHICH OPENED THE VALVE. THE DOWNSTREAM PIPING TO THE VALVE HAD BEEN REMOVED FOR REPLACEMENT OF THE PRESSURE SENSOR. THAT RESULTED IN A REDUCTION IN PRESSURE INDICATION AND SUBSEQUENT REACTOR TRIP. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.  
R2DO (COLLINS), EO (CHAFFEE), AND FEMA (CALDWELL) WERE NOTIFIED BY THE NRC OPERATIONS CENTER.

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Power Reactor

Event # 26754

|  |           |  |   |
|--|-----------|--|---|
| Site: POINT BEACH                      |           | Notification Date / Time: 02/08/1994 23:57 (EST) |   |
| Unit: 1 2                              | Region: 3 | State : WI                                       | Event Date / Time: 02/08/1994 22:04 (CST) |
| Reactor Type: [1] W-2-LP,[2] W-2-LP    |           | Last Modification: 02/09/1994                    |   |
| Containment Type: DRY AMB DRY AMB      |           |  |   |
| NRC Notified by: SCHOERDER             |           | Notifications: THOMAS BURDICK RDO                |   |
| HQ Ops Officer: GREG SCARFO            |           | BOGER EO   |   |
| Emergency Class: UNUSUAL EVENT         |           | MOSTELLER FEMA                                   |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| TECH SPEC LCO A/S                      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 90         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 90         | Power Operation |

AN NOUE WAS DECLARED WHEN BOTH EMERGENCY DIESEL GENERATORS (EDGs) WERE DECLARED INOPERABLE AND A TECHNICAL SPECIFICATION (T/S)-REQUIRED SHUTDOWN WAS INITIATED AT BOTH UNITS.

AT 2204CST, EDG "A" WAS DECLARED INOPERABLE DUE TO A FAILED FULL-LOAD SURVEILLANCE TEST. THIS CONDITION CAUSED BOTH EDGs TO BE OUT OF SERVICE AND RESULTED IN THE INITIATION OF A T/S-REQUIRED SHUTDOWN PER T/S 15.3.0.A. AT 2207CST, AN NOUE WAS DECLARED. THE "B" EDG WAS INOPERABLE DUE TO PREVIOUSLY PLANNED MAINTENANCE AND A 7-DAY LCO WAS ALREADY IN EFFECT. THE SHUTDOWN IS PROCEEDING AT 15% PER HOUR. THE T/S ACTION STATEMENT REQUIRES ENTRY INTO HOT SHUTDOWN WITHIN THE 3-HOUR LCO. A BACKUP GAS TURBINE IS OPERABLE AND COULD BE AVAILABLE WITHIN TEN MINUTES. IT CAN PROVIDE POWER TO BOTH UNITS' SAFETY LOADS, IF NECESSARY. THE GAS TURBINE WAS LAST TESTED ON 02/07/94.

EDG "A" FAILED THE SURVEILLANCE TEST WHEN VOLTAGE OSCILLATIONS OF AS MUCH AS 500 VAR OCCURRED WHILE THE SYSTEM WAS FULLY LOADED (2500 MW). A PRELIMINARY INVESTIGATION INDICATED THAT ARCING IN THE FIELD LEAD MAY BE THE SOURCE OF THE VOLTAGE OSCILLATIONS. AN INVESTIGATION IS ONGOING. IT WOULD TAKE APPROXIMATELY 10-12 HOURS TO RETURN EDG "B" TO SERVICE. THE GRID IS STABLE AT THIS TIME, HOWEVER, A SNOWSTORM, WHICH COULD DEPOSIT AS MUCH AS TEN INCHES OF SNOW, IS IN THE AREA. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. KEWAUNEE AND MANITOWOC COUNTIES WERE NOTIFIED. THE LICENSEE DOES PLAN A PRESS RELEASE.

\*\*\* UPDATE 02/09/94 0158EST FROM:SCHROEDER BY:SCARFO \*\*\*

REGION III HAS EXTENDED THE LCO OF T/S 15.3.0 UNTIL 0800CST AT WHICH TIME ONE OF THE TWO UNITS WILL BE REQUIRED TO BE IN HOT SHUTDOWN BY 1100CST IF BOTH OF THE EDGs REMAIN INOPERABLE. THE OTHER WILL BE REQUIRED TO BE IN HOT SHUTDOWN BY 1400CST.

THE INVESTIGATION OF THE "A" EDG HAS FOUND A DAMAGED EXCITER FIELD LEAD AND BUS BAR.

Power Reactor

Event # 26754

THE DAMAGED COMPONENTS HAVE BEEN REPLACED AND SURVEILLANCE TESTING WILL BEGIN SHORTLY. IT IS ANTICIPATED THAT TESTING WILL COMPLETED WITHIN TWO HOURS. AT THAT TIME, THE EDG WILL BE RETURNED TO SERVICE AND THE NOUE WILL BE TERMINATED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R3DO(BURDICK), EO(BOGER) NOTIFIED.

\*\*\* UPDATE 02/09/94 0351EST FROM:SCHROEDER BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0244CST WHEN EDG "A" WAS RETURNED TO SERVICE. THE SHUTDOWN WAS TERMINATED WITH UNIT #1 AT 86% AND UNIT #2 AT 85%. BOTH UNITS WILL INCREASING POWER TO 100%. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R3DO(BURDICK), EO(BOGER), FEMA(MOSTELLER) NOTIFIED.

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Power Reactor

Event # 26773

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FT CALHOUN                  |           | Notification Date / Time: 02/11/1994 05:28 (EST) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 02/11/1994 03:40 (CST) |
| Reactor Type: [1] CE              |           | Last Modification: 02/11/1994                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: TILLS            |           | Notifications: PHILIP WAGNER RDO                 |   |
| HQ Ops Officer: GREG SCARFO       |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | HERSKO FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

AN NOUE WAS DECLARED AS THE RESULT OF A REACTOR TRIP/TURBINE TRIP ON A HIGH CONTAINMENT PRESSURE SIGNAL DUE TO A BURNT-OUT PRIMARY RELAY IN THE CONTAINMENT PRESSURE HIGH SIGNAL (CPHS) LOGIC.

AT 0340CST, A CONTAINMENT PRESSURE HIGH SIGNAL (CPHS) OCCURRED ON A TRIPPED PRIMARY (LOCKOUT) RELAY WHICH PLACED THE "B" TRAIN OF CPHS LOGIC IN THE TRIPPED CONDITION. THIS RESULTED IN A REACTOR TRIP/TURBINE TRIP SIGNAL, STEAM GENERATOR ISOLATION SIGNAL (SGIS), CONTAINMENT ISOLATION SIGNAL (CIS), AND SAFETY INJECTION SIGNAL (SIS). AT 0400CST, AN NOUE WAS DECLARED DUE TO THE "POTENTIAL DEGRADATION OF THE LEVEL OF SAFETY OF THE PLANT". ALL RODS FULLY INSERTED ON THE REACTOR TRIP. ALL THREE CHARGING PUMPS ACTUATED AND INJECTED IN RESPONSE TO THE SIS. APPROXIMATELY 1800 GALLONS OF HIGHLY BORATED WATER WAS INJECTED INTO THE REACTOR COOLANT SYSTEM (RCS) BEFORE TWO OF THE THREE PUMPS WERE SECURED. NO PRIMARY PORVs OR SAFETY VALVES LIFTED DURING THE TRIP. MAXIMUM PRIMARY PRESSURE WAS 2150 PSIG (NORMAL=2100 PSIG) AND MAXIMUM PRESSURIZER LEVEL WAS 73% (NORMAL=60%). THE HIGH PRESSURE SAFETY INJECTION (HPSI) PUMPS AND THE LOW-HEAD INJECTION PUMPS ACTUATED ON THE SIS BUT DID NOT INJECT. THE CIS RESULTED IN A CONTAINMENT ISOLATION AND LETDOWN ISOLATION. ALL EQUIPMENT RESPONDED AS EXPECTED.

THE SGIS CAUSED THE MAIN STEAM ISOLATION VALVES (MSIVs) TO CLOSE AND AN UNDETERMINED NUMBER OF MAIN STEAM SAFETY VALVES (MSSVs) TO LIFT. THE MAXIMUM SECONDARY PRESSURE IS NOT AVAILABLE, HOWEVER, THE SETPOINT FOR THE MSSVs IS APPROXIMATELY 1000 PSIG. BOTH THE TURBINE-DRIVEN AND MOTOR-DRIVEN EMERGENCY FEEDWATER (EFW) PUMPS WERE ACTUATED AS A RESULT OF THE SIS. STEAM GENERATOR (SG) LEVELS REMAINED WITHIN EXPECTED BANDS THROUGHOUT THE EVENT.

ALL ELECTRICAL LOADS PROPERLY TRANSFERRED TO OFFSITE POWER ON THE REACTOR TRIP SIGNAL. THE EMERGENCY DIESEL GENERATORS (EDGs) STARTED ON THE CPHS BUT DID NOT LOAD.

Power Reactor

Event # 26773

THE TRIPPED CONDITION OF THE PRIMARY RELAY IS BELIEVED TO BE DUE TO A BURNOUT OF THE RELAY IN A CABINET LOCATED IN THE CONTROL ROOM. TRAIN "A" OF THE CPHS LOGIC REMAINS OPERABLE AND RESETABLE. AN INVESTIGATION IS UNDERWAY.

CURRENTLY, THE UNIT IS STABLE IN HOT SHUTDOWN. MSSVs (TO ATMOSPHERE) ARE BEING UTILIZED AS THE HEAT SINK WITH THE MOTOR-DRIVEN EFW PUMP SUPPLYING THE SGs. NO SG TUBE LEAKAGE IS REPORTED SO NO THREAT OF RADIOLOGICAL RELEASE IS EXPECTED. THE NORMAL SUPPLY OF WATER TO THE EFW PUMPS FROM THE EFW STORAGE TANK IS EIGHT HOURS. HOWEVER, A MAKEUP PATH HAS BEEN ESTABLISHED TO SUPPLY WATER TO THE TANK. OFFSITE POWER IS SUPPLYING ALL PLANT LOADS. EDGs ARE STILL IN OPERATION ALTHOUGH NOT SUPPLYING ANY LOADS. THE CIS HAS BEEN CLEARED AND ECCS PUMPS WHICH WERE ACTUATED FROM THE "A" TRAIN OF THE CPHS HAVE BEEN SECURED.

THE CRITERIA FOR EXITING THE NOUE IS THE ESTABLISHMENT OF A NORMAL FEED PATH TO THE SGs AND A NORMAL COOLING PATH TO THE CONDENSER. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATES OF NEBRASKA AND IOWA, AND LOCAL AGENCIES HAVE BEEN NOTIFIED. A PRESS RELEASE IS ANTICIPATED.

\*\*\* UPDATE 02/11/94 0919EST FROM:POHL BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0747CST WHEN THE DAMAGED RELAY WAS JUMPERED-OUT AND A NORMAL FEED LINEUP WAS ESTABLISHED. ALL SAFEGUARDS SIGNALS HAVE BEEN CLEARED AND SAFEGUARDS EQUIPMENT RETURNED TO THEIR NORMAL CONDITION. THE HEAT SINK REMAINS THE MSSV UNTIL THE CONDENSER IS RETURNED TO SERVICE. THE CPHS TRIP SYSTEM WAS DECLARED INOPERABLE AND TECHNICAL SPECIFICATION (T/S) ACTION STATEMENT 2.15 (48 HOUR LCO) WAS ENTERED. THE DAMAGED PRIMARY RELAY WILL BE REPLACED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R4DO(WAGNER), EO(BOGER), FEMA(LAIRD) NOTIFIED. NEBRASKA, IOWA, AND LOCAL AGENCIES WERE NOTIFIED. A PRESS RELEASE IS EXPECTED.

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Fuel Cycle Facility

Event # 26774

|  |  |   |      |
|--|--|---|------|
| <b>Facility:</b> BABCOCK & WILCOX CO.                  |  | <b>Notification Date / Time:</b> 02/11/1994 14:01 (EST) |      |
| <b>Licensee:</b> BABCOCK & WILCOX CO.                  |  | <b>Event Date / Time:</b> 02/11/1994 13:50 (EST)        |      |
| <b>Fac Type:</b> URANIUM FUEL FABRICATION              |  | <b>Last Modification:</b> 02/11/1994                    |      |
| <b>Region:</b> 2                                       |  | <b>Docket #:</b> 07000027                               |      |
| <b>City:</b> LYNCHBURG                                 |  | <b>Agreement State:</b> No                              |      |
| <b>County:</b> CAMPBELL                                |  | <b>License #:</b> SNM-42                                |      |
| <b>State:</b> VA                                       |  |   |      |
| <b>NRC Notified by:</b> SCHILTHELM                     |  | <b>Notifications:</b> MCALPINE/CASTO                    | RDO  |
| <b>HQ Ops Officer:</b> JOHN MacKINNON                  |  | COMBS/JERRY ROTH  | EO   |
| <b>Emergency Class:</b> UNUSUAL EVENT                  |  | BELCHER   | FEMA |
| <b>10 CFR Section:</b>                                 |  |   |      |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>RESPONSE-BULLETIN |  |   |      |

WATER SEEPING INTO MODERATOR CONTROLLED AREA DUE TO SEVERE ICE STORM.

DUE TO ICE STORMS LICENSEE SAID THAT THEY HAVE WATER SEEPING INTO TWO (HAVE FOUR VAULTS ONSITE) OF THEIR VAULTS (MODERATOR CONTROL AREAS). WATER IS NOT PRESENTLY A THREAT TO THE FUEL STORAGE CUBICLES LOCATED WITHIN THE VAULTS. WATER IS LEAKING INTO ONE OF THE VAULTS VIA ITS AIR CONDITIONING SYSTEM AND WATER IS SEEPING INTO THE OTHER VAULT FROM AROUND ITS FLOOR. LICENSEE HAS CREWS CLEARING ICE FROM THE RAIN GUTTERS AND FROM OUTSIDE GUTTERS LOCATED AROUND THESE VAULTS SO AS TO PREVENT THE WATER FROM SEEPING/LEAKING INTO THE VAULT AREAS. LICENSEE SAID THEY ARE USING BUCKETS, MOPS, VACUUMS, & SQUEEGEES TO PREVENT WATER FROM ACCUMULATING IN THE VAULTS. LICENSEE HAS SENT HOME NON-ESSENTIAL PERSONNEL DUE TO POWER INTERRUPTIONS AT THE SITE DUE TO THE ICE STORM (PLANT IS BASICALLY SHUTDOWN). LICENSEE SAID THAT THE FUEL CANNOT BE MOVED.

LICENSEE IS TRYING TO CONTACT STATE, LOCAL OFFICIALS AND THEIR RESIDENT INSPECTOR.

\*\*\*UPDATE @ 1614EST 02/11/94 BY M AKERS TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1612EST WHEN DRAINS TO THE VAULTS WERE UNCLOGGED AND WATER CEASED TO ENTER THE TWO VAULTS MENTIONED ABOVE. LICENSEE WILL NOTIFY STATE, LOCAL, AND THEIR RESIDENT INSPECTOR THAT THE UNUSUAL EVENT HAS BEEN TERMINATED. R2DO (CASTO), EO (FRED COMBS), & FEMA (SULLIVAN) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 26777

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: CALVERT CLIFFS                                 |            |           |            | Notification Date / Time: 02/11/1994 20:54 (EST) |            |   |
| Unit: 2  |            | Region: 1 |            | State : MD                                       |            | Event Date / Time: 02/11/1994 20:43 (EST) |
| Reactor Type: [1] CE,[2] CE                          |            |           |            | Last Modification: 02/14/1994                    |            |   |
| Containment Type: DRY AMB                            |            |           |            |  |            |   |
| NRC Notified by: LARRAGOITE                          |            |           |            | Notifications: JENNY JOHANSEN                    |            | RDO                                       |
| HQ Ops Officer: JOHN MacKINNON                       |            |           |            | BRUCE BOGER                                      |            | EO  |
| Emergency Class: UNUSUAL EVENT                       |            |           |            | SULLIVAN   |            | FEMA                                      |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

METEOROLOGICAL TOWER INSTRUMENTATION WHICH MEASURES WIND SPEED AND WIND DIRECTION ARE INOPERABLE DUE TO FREEZING RAIN.

LICENSEE WILL USE BACKUP METHOD OF OBTAINING WIND SPEED AND WIND DIRECTION BY USING DATA FROM THE PATUXENT RIVER NAVAL AIR STATION. DUE TO PERSONNEL SAFETY CONCERNS LICENSEE WILL NOT HAVE PERSONNEL CLIMB UP THEIR METEOROLOGICAL TOWER UNTIL IT IS SAFE TO CLIMB. LICENSEE SAID THAT UNIT 1 IS NOT AFFECTED BY THIS EVENT BECAUSE IT IS IN A COLD SHUTDOWN CONDITION. LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

RESIDENT INSPECTOR WILL BE INFORMED BY LICENSEE.

\*\*\*UPDATE @ 2122 02/11/94 BY LARRAGOITE TAKEN BY MACKINNON\*\*\*

PATUXENT RIVER NAVAL AIR STATION CANNOT MEASURE WIND SPEED AND WIND DIRECTION BECAUSE THEIR METEOROLOGICAL SYSTEM IS ALSO FROZEN. LICENSEE WILL USE LOCAL OBSERVATION TO DETERMINE WIND SPEED AND WIND DIRECTION AS SPECIFIED PER THEIR PROCEDURE. R1DO (JENNY JOHANSEN) NOTIFIED.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

\*\*\* 0550EST 2/14/94 FROM HENDERSON BY S.SANDIN \*\*\*

LICENSEE TERMINATED THE UE AT 0540EST BASED ON RESTORATION OF MET TOWER INSTRUMENTATION. LICENSEE INFORMED STATE AND LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(JOHANSEN), EO(CHAFFEE) AND FEMA(LOUZONIS).

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Power Reactor

Event # 26779

|  |            |           |            |  |            |                 |
|--|------------|-----------|------------|--|------------|-----------------|
| Site: HADDAM NECK                      |            |           |            | Notification Date / Time: 02/12/1994 09:59 (EST) |            |                 |
| Unit: 1                                |            | Region: 1 | State : CT | Event Date / Time: 02/12/1994 09:50 (EST)        |            |                 |
| Reactor Type: [1] W-4-LP               |            |           |            | Last Modification: 02/13/1994                    |            |                 |
| Containment Type:                      |            |           |            |  |            |                 |
| NRC Notified by: JACK STANFORD         |            |           |            | Notifications: JENNY JOHANSEN RDO                |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN        |            |           |            | BRUCE BOGER EO                                   |            |                 |
| Emergency Class: UNUSUAL EVENT         |            |           |            | BELCHER FEMA                                     |            |                 |
| 10 CFR Section:                        |            |           |            | INGRAM PAO                                       |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |                 |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                      | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation |

#### DEGRADED SERVICE WATER PIPING TO THE EMERGENCY DIESEL GENERATORS.

RECENTLY, THE LICENSEE HAS BEEN PERFORMING AN EXTENSIVE EDDY CURRENT TESTING AND INSPECTION PROGRAM OF THE SERVICE WATER SYSTEM PIPING TO IDENTIFY AREAS OF WALL THINNING. THE INSPECTION WAS SUPPOSED TO IDENTIFY ANY LOCATIONS WHERE THE SERVICE WATER PIPING THICKNESS WAS DEGRADED BELOW 100 MILS. TODAY, WHILE IN THE PROCESS OF PREPARING FOR A WELD REPAIR ON THE SERVICE WATER PIPING TO THE "A" TRAIN EMERGENCY DIESEL GENERATOR, 40 MILS OF METAL WERE GROUND OUT FOR THE WELD PREP. THIS RESULTED IN THROUGH WALL LEAKAGE AT THE WELD PREP SITE AND CLEARLY INDICATED THAT THE PIPING WAS THINNER THAN THE MINIMUM REQUIRED 100 MILS AT THAT LOCATION. SINCE THIS WAS A LOCATION THAT HAD ALREADY BEEN SATISFACTORILY INSPECTED, IT CALLED INTO QUESTION THE VALIDITY OF THE ENTIRE EDDY CURRENT INSPECTION PROGRAM.

THE LICENSEE DECLARED BOTH TRAINS OF EMERGENCY DIESEL GENERATOR SERVICE WATER INOPERABLE AND ENTERED A TECH SPEC 3.0.3 REQUIRED SHUTDOWN CONDITION. A T/S SHUTDOWN CONDITION AT THIS PLANT RESULTS IN THE DECLARATION OF AN UNUSUAL EVENT. THE LICENSEE PLANS TO PROCEED TO COLD SHUT DOWN AT WHICH TIME THE UE WILL BE TERMINATED. THE SCOPE OF REPAIRS NECESSARY TO CORRECT THIS CONDITION HAS NOT YET BEEN IDENTIFIED.

STATE AND LOCAL AUTHORITIES HAVE BEEN INFORMED AND A PRESS RELEASE IS ANTICIPATED. THE NRC RESIDENT INSPECTOR HAS ALSO BEEN NOTIFIED.

\*\*\*UPDATE @ 1810EST 02/13/94 BY MIKE BROTHER TAKEN BY MACKINNON\*\*\*

LICENSEE EXITED UNUSUAL EVENT CLASSIFICATION WHEN THEY EXITED TECH SPEC 3.0.3 AFTER REACHING A COLD SHUTDOWN CONDITION. WHEN LICENSEE ENTERED A COLD SHUTDOWN CONDITION AND EXITED TECH SPEC 3.0.3 LICENSEE DECLARED BOTH OF THEIR EDGs TECHNICALLY INOPERABLE BUT THEY ARE AVAILABLE IF NEEDED. LICENSEE DECLARED BOTH OF THEIR EDGs

Power Reactor

Event # 26779

TECHNICALLY INOPERABLE BECAUSE THE SERVICE WATER LINES COOLING WATER TO THE EDGs ARE DEGRADED. LICENSEE ENTERED TECH SPEC 3.8.1.2.a (WHICH STATES TO RETURN EDGs TO SERVICE AS SOON AS POSSIBLE) WHEN THEY DECLARED BOTH OF THEIR EDGs TECHNICALLY INOPERABLE.

LICENSEE HAS RUN FIRE HOSES TO THE EDGs AND THESE CAN BE USED TO SUPPLY COOLING WATER TO THE EDGs IF THEY ARE OPERATED AND THE SERVICE WATER SYSTEM CANNOT SUPPLY COOLING WATER TO THE EDGs. LICENSEE SAID THAT BOTH OFFSITE POWER LINES TO THE PLANT ARE FULLY OPERABLE. LICENSEE SAID A PRESS RELEASE WILL BE ISSUED 02/14/94. LICENSEE NOTIFIED THEIR RESIDENT INSPECTOR, STATE OFFICIALS, AND LOCAL OFFICIALS THAT THEY HAD TERMINATED THE UNUSUAL EVENT THEY WERE IN. R1DO (JENNY JOHANSEN), EO (BRUCE BOGER), & FEMA (MUSE) NOTIFIED.

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Power Reactor

Event # 26802

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HARRIS                      |           | Notification Date / Time: 02/17/1994 13:05 (EST) |   |
| Unit: 1                           | Region: 2 | State : NC                                       | Event Date / Time: 02/17/1994 12:30 (EST) |
| Reactor Type: [1] W-3-LP          |           | Last Modification: 02/17/1994                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: RIGSBEE          |           | Notifications: WILLIAM CLINE RDO                 |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | CHRIS GRIMES EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | SHULL FEMA                                       |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

-ERFIS COMPUTER DISPLAYING SPDS PARAMETERS AT 100% POWER INOP FOR 47 HOURS-

AT 0955, A TECHNICAL SUPPORT TECHNICIAN DISCOVERED THAT THE EMERGENCY RESPONSE FACILITY INFORMATION SYSTEM (ERFIS) COMPUTER WAS "LOCKED UP" AND IMMEDIATELY RESTORED THE COMPUTER TO OPERABLE STATUS.

THE TECHNICIAN DETERMINED THAT THE COMPUTER HAD BEEN "LOCKED UP" FOR 47 HOURS. DURING THIS PERIOD, THE PLANT WAS IN A STEADY STATE CONDITION OPERATING AT 100% POWER. THE SAFETY PARAMETER DISPLAY SYSTEM (SPDS) PARAMETERS DISPLAYED BY THIS COMPUTER WERE "FROZEN" AT THE NORMAL 100% POWER VALUES WHILE THE COMPUTER WAS "LOCKED UP".

THE SPDS PARAMETERS WOULD ONLY BE NEEDED FOLLOWING A PLANT TRIP OR SEVERE TRANSIENT AND THE DISCREPANCY BETWEEN THE DISPLAYED 100% NORMAL VALUES AND THE ACTUAL POST TRANSIENT VALUES WOULD HAVE BEEN READILY APPARENT TO THE PLANT OPERATORS.

AT 1230, LICENSEE DECLARED AND TERMINATED AN UNUSUAL EVENT DUE TO THE INABILITY OF THE ERFIS COMPUTER TO DISPLAY THE SPDS PARAMETERS FOR LONGER THAN 4 HOURS.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

Power Reactor

Event # 26806

| Site: PALISADES                         |            |           |            | Notification Date / Time: 02/17/1994 16:31 (EST) |            |                 |
|---|------------|-----------|------------|--|------------|-----------------|
| Unit: 1                                 |            | Region: 3 | State : MI | Event Date / Time: 02/17/1994 16:20 (EST)        |            |                 |
| Reactor Type: [1] CE                    |            |           |            | Last Modification: 02/18/1994                    |            |                 |
| Containment Type: DRY AMB               |            |           |            |  |            |                 |
| NRC Notified by: HOLBEIN                |            |           |            | Notifications: ROY CANIANO RDO                   |            |                 |
| HQ Ops Officer: DICK JOLLIFFE           |            |           |            | CHRIS GRIMES EO                                  |            |                 |
| Emergency Class: UNUSUAL EVENT          |            |           |            | SHULL FEMA                                       |            |                 |
| 10 CFR Section:                         |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |            |           |            |  |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS  |            |           |            |  |            |                 |
| 50.72(b)(1)(ii)(B) OUTSIDE DESIGN BASIS |            |           |            |  |            |                 |
| Unit                                    | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                       | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation |

-UE DUE TO PLANT SHUTDOWN DUE TO LEAKING ENGINEERED SAFEGUARDS CHECK VALVE-  
 LICENSEE OBSERVED BORIC ACID DEPOSITS ON A 24 INCH ENGINEERED SAFEGUARDS SYSTEM  
 CHECK VALVE.

LICENSEE ULTRA SONICALLY TESTED THE CONTAINMENT-TO-WEST ENGINEERED SAFEGUARDS  
 PUMP VALVE #CK-ES-3166 AND DISCOVERED A THROUGH WALL "WEEPING" LEAK IN THE VALVE  
 BODY.

LICENSEE DECLARED THIS NON-CONTAINMENT ISOLATION VALVE INOPERABLE RENDERING ONE  
 TRAIN OF THE ENGINEERED SAFEGUARDS SYSTEM INOPERABLE. A NORMALLY CLOSED INBOARD  
 ENGINEERED SAFEGUARDS SYSTEM ISOLATION VALVE TOWARDS CONTAINMENT IS CLOSED  
 ISOLATING CONTAINMENT.

AT 1538, LICENSEE ENTERED TECH SPEC LCO A/S 3.0.3 WHICH REQUIRES THE PLANT TO BE SHUT  
 DOWN IN HOT STANDBY MODE WITHIN 6 HOURS.

AT 1620, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT  
 SHUTDOWN.

AT 1634, LICENSEE BEGAN REDUCING POWER FROM 100% AT 24% PER HOUR TO SHUT  
 THE PLANT DOWN. LICENSEE EXPECTS TO PLACE THE PLANT IN HOT STANDBY MODE  
 BY 2238.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 2/18/94 04:45 FROM PALMISANO TAKEN BY SEBROSKY \*\*\*

THE NON-CONTAINMENT ISOLATION VALVE WHICH WAS NOTICED TO BE LEAKING IS IN THE LINE

Power Reactor

Event # 26806

THAT COMES OFF THE CONTAINMENT SUMP WHICH FEED THE HIGH PRESSURE SAFETY INJECTION SYSTEM, THE LOW PRESSURE SAFETY INJECTION SYSTEM AND THE CONTAINMENT SPRAY SYSTEM DURING THE RECIRCULATION PHASE OF A LOCA. THE LICENSEE ENTERED TECH SPEC 3.0.3 BECAUSE THE PIPING IN THIS LINE IS ASME CLASS 2 PIPING AND NO LEAKAGE IS ALLOWED FOR CLASS 2 PIPING. THE PLANT IS CURRENTLY IN HOT SHUTDOWN AND THE LICENSEE WILL EXIT THE UNUSUAL EVENT WHEN THE PLANT IS IN A COLD SHUTDOWN CONDITION.

HOO NOTIFIED R3DO(CANIANO).

\*\*\* UPDATE AT 2047 ON 02/18/94 BY SLEEPER ENTERED BY HOO JOLLIFFE \*\*\*

AT 1932, WITH THE PLANT IN HOT SHUTDOWN MODE, LICENSEE EXITED TECH SPEC LCO A/S 3.0.3 AND TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R3DO PEDERSON, NRR EO THOMAS, FEMA CALDWELL.

\*\*\*\*\*

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U.S. Nuclear Regulatory Commission Operations Center Event Report

Page 1

\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 26828

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 02/22/1994 03:45 (EST) |            |   |
| Unit: 1                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 02/22/1994 03:10 (EST) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 03/21/1994                    |            |   |
| Containment Type: MARK I                 |            |           |            |  |            |   |
| NRC Notified by: CURTIS THIERLING        |            |           |            | Notifications: RICHARD KEIMIG RDO                |            |   |
| HQ Ops Officer: STEVE SANDIN             |            |           |            | CECIL THOMAS EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT           |            |           |            | WITSBERGER FEMA                                  |            |   |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1  | N          | No        | 0          | Refueling  | 0          | Refueling                                 |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO TRANSPORT OFFSITE OF A CONTAMINATED INJURED WORKER.

AT APPROXIMATELY 0300EST ON 2/22/94 A WORKER WAS TRANSPORTED OFFSITE TO LAWRENCE AND MEMORIAL HOSPITAL LOCATED IN NEW LONDON, CT WITH EITHER A DISLOCATED OR BROKEN SHOULDER. HE HAD BEEN WORKING IN THE CONDENSER BAY AND THE LICENSEE ASSUMED THAT HE WAS CONTAMINATED. AN HP TECHNICIAN ACCOMPANIED THE WORKER TO THE HOSPITAL. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR USING THEIR AUTOMATIC PAGING SYSTEM. THE LICENSEE TERMINATED THE UNUSUAL EVENT FOLLOWING THE WORKER'S TRANSPORT OFFSITE.

\*\*\* UPDATE AT 0921 EST ON 3/21/94 FROM BAUER TAKEN BY KARSCH \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT NOTIFICATION BASED ON THE WORKER'S NOT BEING CONTAMINATED. THE ORIGINAL REPORT WAS BASED ON THE ASSUMPTION OF THE POSSIBILITY OF CONTAMINATION. A SURVEY COMPLETED AT THE HOSPITAL AFTER THE REMOVAL OF THE BANDAGES SHOWED NO CONTAMINATION. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO (MODES) NOTIFIED.

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Power Reactor

Event # 26868

|                                |                      |  |   |                 |            |                 |
|--------------------------------|----------------------|--|---|-----------------|------------|-----------------|
| Site: COOPER                   |                      | Notification Date / Time: 03/02/1994 19:09 (EST) |   |                 |            |                 |
| Unit: 1                        | Region: 4            | State : NE                                       | Event Date / Time: 03/02/1994 17:47 (CST) |                 |            |                 |
| Reactor Type: [1] GE-4         |                      | Last Modification: 03/05/1994                    |   |                 |            |                 |
| Containment Type: MARK I       |                      |  |   |                 |            |                 |
| NRC Notified by: DAVE KUSER    |                      | Notifications: PHIL HARRELL RDO                  |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH    |                      | ELINOR ADENSAM EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT |                      | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                |                      |  |   |                 |            |                 |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                | RPS ACTUATION        |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                | ESF ACTUATION        |  |   |                 |            |                 |
| 50.72(b)(2)(vi)                | OFFSITE NOTIFICATION |  |   |                 |            |                 |
| Unit                           | Scram Code           | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                              | A/R                  | Yes  | 97  | Power Operation | 0          | Hot Shutdown    |

LICENSEE DECLARED AN UNUSUAL EVENT AT 1747 CST DUE TO ACTUAL INJECTION OF EMERGENCY CORE COOLING SYSTEM (ECCS) WATER INTO THE REACTOR COOLANT SYSTEM.

THE REACTOR TRIPPED DUE TO A POWER SPIKE SENSED BY THE AVERAGE POWER RANGE MONITORS (APRMs) OF 118%. THE CAUSE OF THE SPIKE IS NOT KNOWN AT THIS TIME. ALL CONTROL RODS INSERTED FULLY FOLLOWING THE REACTOR TRIP SIGNAL. HIGH PRESSURE COOLANT INJECTION (HPCI) [ECCS] AND REACTOR CORE ISOLATION COOLING (RCIC) INITIATED AND INJECTED 16,000 GAL OF WATER WHEN REACTOR VESSEL LEVEL DROPPED TO MINUS 37 INCHES. THIS IS MORE POST TRIP SHRINK THAN IS USUALLY EXPECTED. THE PLANT IS NOW STABLE IN MODE 3. DECAY HEAT IS BEING REMOVED VIA MAIN TURBINE BYPASS VALVES TO THE CONDENSER. HPCI AND RCIC HAVE BEEN SECURED AND FEED IS VIA THE "A" REACTOR FEED PUMP (TURBINE DRIVEN WITH MAIN STEAM).

THE LICENSEE WILL EXIT THE UNUSUAL EVENT WHEN THE CAUSE OF THE REACTOR TRIP AND THE LOW REACTOR VESSEL LEVEL ARE UNDERSTOOD. THE LICENSEE NOTIFIED NEBRASKA CIVIL DEFENSE AND THE TWO LOCAL COUNTY SHERIFFS. THEY WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2228EST FROM KAUL TAKEN BY KARSCH \*\*\*

LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 2121 CST, EVEN THOUGH THE CAUSE FOR THE REACTOR TRIP AND THE LOW REACTOR VESSEL LEVEL HAS NOT BEEN DETERMINED, BECAUSE THE REACTOR IS STABLE IN MODE 3 AND ALL EMERGENCY PROCEDURES HAVE BEEN EXITED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R4DO (HARRELL), NRR EO (ADENSAM) AND FEMA (WITSBERGER) NOTIFIED.

\*\*\* UPDATE AT 1902EST ON 03/05/94 FROM KAUL TAKEN BY HOO JOLLIFFE \*\*\*

Power Reactor

Event # 26868

THE FOLLOWING INFORMATION IS A CLARIFICATION OF THE ABOVE REPORT:

THE CAUSE OF THE POWER SPIKE SENSED BY THE AVERAGE POWER RANGE MONITORS IS A FAILURE IN THE DIGITAL ELECTRO-HYDRAULIC MAIN TURBINE CONTROL SYSTEM. LICENSEE AND WESTINGHOUSE TECHNICIANS ARE CONTINUING TO TROUBLESHOOT THE CONTROL SYSTEM.

THE LOWEST INDICATED REACTOR VESSEL WATER LEVEL WAS MINUS 25 INCHES. THE HPCI AND RCIC SYSTEMS AUTOMATICALLY INITIATED AS A RESULT OF THE LOW REACTOR VESSEL WATER LEVEL CONDITION AND INJECTED APPROXIMATELY 700 GALLONS OF WATER INTO THE REACTOR VESSEL.

LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R4DO HARRELL.

\*\*\*\*\*

Power Reactor

Event # 26902

|                                     |  |           |  |  |  |   |
|-------------------------------------|--|-----------|--|--|--|---|
| Site: BRAIDWOOD                     |  |           |  | Notification Date / Time: 03/08/1994 19:36 (EST) |  |   |
| Unit: 1 2                           |  | Region: 3 |  | State : IL                                       |  | Event Date / Time: 03/08/1994 18:23 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |  |           |  | Last Modification: 03/08/1994                    |  |   |
| Containment Type: DRY AMB DRY AMB   |  |           |  |  |  |   |
| NRC Notified by: ACKERMAN           |  |           |  | Notifications: RICHARD HAGUE RDO                 |  |   |
| HQ Ops Officer: CHAUNCEY GOULD      |  |           |  | WILLIAM TRAVERS EO                               |  |   |
| Emergency Class: UNUSUAL EVENT      |  |           |  | MUSE FEMA  |  |   |
| 10 CFR Section:                     |  |           |  |  |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN NOUE DUE TO A INJURED CONTAMINATED WORKER BEING TRANSPORTED TO SAINT JOSEPH'S HOSPITAL.

A WORKER SUFFERED POSSIBLE NECK INJURIES WHEN HE FELL INTO A CONTAMINATED VESSEL VAULT. HE ALSO BECAME CONTAMINATED AS A RESULT OF THE FALL AND HE WILL BE TRANSPORTED TO THE HOSPITAL FOR HIS INJURIES. THE RI WILL BE INFORMED AND THE STATE HAS BEEN INFORMED.

\*\*\*UPDATE 3/8/94 @ 21:27 BY ACKERMAN TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 20:06 CST WHEN THE INJURED PERSON WAS DECONTAMINATED. THE RI AND OTHER AGENCIES WERE NOTIFIED. REG 3 HAGUE, EO TRAVERS AND FEMA BAGWELL WERE NOTIFIED.

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Power Reactor

Event # 26909

|                                     |            |                      |            |  |            |   |
|-------------------------------------|------------|----------------------|------------|--|------------|---|
| Site: TURKEY POINT                  |            |                      |            | Notification Date / Time: 03/10/1994 06:32 (EST) |            |   |
| Unit: 4                             |            | Region: 2            |            | State : FL                                       |            | Event Date / Time: 03/10/1994 06:00 (EST) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |            |                      |            | Last Modification: 03/11/1994                    |            |   |
| Containment Type: DRY AMB           |            |                      |            |  |            |   |
| NRC Notified by: DAVID HARDAGE      |            |                      |            | Notifications: LAWRENCE LAWYER RDO               |            |   |
| HQ Ops Officer: RUDY KARSCH         |            |                      |            | WILLIAM TRAVERS EO                               |            |   |
| Emergency Class: UNUSUAL EVENT      |            |                      |            | MOSTELLER FEMA                                   |            |   |
| 10 CFR Section:                     |            |                      |            |  |            |   |
| 50.72(a)(1)(i)                      |            | EMERGENCY DECLARED   |            |  |            |   |
| 50.72(b)(1)(i)(A)                   |            | PLANT S/D REQD BY TS |            |  |            |   |
| 50.72(b)(2)(vi)                     |            | OFFSITE NOTIFICATION |            |  |            |   |
| Unit                                | Scram Code | RX Crit              | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 4                                   | N          | Yes                  | 100        | Power Operation                                  | 100        | Power Operation                           |

UNUSUAL EVENT DECLARED DUE TO SUSPECTED REACTOR COOLANT PRESSURE BOUNDARY LEAKAGE. THE LICENSEE IS PREPARING TO SHUT DOWN TO AFFECT REPAIRS.

DUE TO A SLIGHT INDICATION OF BORIC ACID BUILDUP, BUT NO INDICATION OF LIQUID, THE LICENSEE IS DECLARING AN UNUSUAL EVENT DUE TO RCS PRESSURE BOUNDARY LEAKAGE. A THIN (1/32 INCH) RESIDUE OF BORIC ACID WAS OBSERVED ON THE FLUX MAPPER SEAL TABLE. NO ELEVATED AREA RADIATION MONITOR READINGS WERE OBSERVED. THE LICENSEE IS MAKING PREPARATIONS TO SHUT DOWN TO CONFIRM THE LEAK LOCATION AND MAKE REPAIRS.

THE UNUSUAL EVENT WILL TERMINATE WHEN THE REACTOR ENTERS MODE 5.  
THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND NOTIFIED THE STATE WARNING POINT.

\*\*\* UPDATE AT 0734 EST FROM HARDAGE TAKEN BY KARSCH \*\*\*

THE LICENSEE COMMENCED A SHUTDOWN AT 0635 EST. THE POWER LEVEL AT THE TIME OF THIS REPORT WAS 90%. THE LICENSEE WILL COOL DOWN FOR REPAIRS. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE @ 12:06 3/10/94 FROM MACARTHUR TAKEN BY SEBROSKY \*\*\*

THE PLANT ENTERED MODE 3 @ 11:25 3/10/94 AND EXPECTS TO ENTER COLD SHUTDOWN CONDITION BY 17:00 3/11/94. THE LICENSEE WILL EXIT THE UNUSUAL EVENT WHEN THE PLANT REACHES COLD SHUTDOWN CONDITIONS. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R2DO(LAWYER).

\*\*\* UPDATE @ 23:23 3/10/94 FROM PREVATT TAKEN BY SEBROSKY \*\*\*

THE PLANT ENTERED MODE 4 @ 21:58 3/10/94. THE REACTOR COOLANT SYSTEM IS CURRENTLY AT 300 DEGREES F AND 400 PSIG. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR.

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Power Reactor

Event # 26909

\*\*\* UPDATE @ 0347 ON 3/11/94 FROM HARDAGE TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 0325 EST ON 3/11/94 BY PLANT ENTERING MODE 5.

R2DO (LAWYER), EO (TRAVERS), AND FEMA (WRIGHT) NOTIFIED.

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 26947

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: HOPE CREEK                  |            |           |            | Notification Date / Time: 03/16/1994 11:07 (EST) |            |   |
| Unit: 1                           |            | Region: 1 |            | State : NJ                                       |            | Event Date / Time: 03/16/1994 10:12 (EST) |
| Reactor Type: [1] GE-4            |            |           |            | Last Modification: 03/23/1994                    |            |   |
| Containment Type: DRY AMB         |            |           |            |  |            |   |
| NRC Notified by: OUELLETE         |            |           |            | Notifications: WALTER PASCIAK RDO                |            |   |
| HQ Ops Officer: CHAUNCEY GOULD    |            |           |            | AL CHAFFEE EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | CARR FEMA  |            |   |
| 10 CFR Section:                   |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | No        | 0          | Refueling  | 0          | Refueling                                 |

THE LICENSEE REPORTED A POTENTIALLY CONTAMINATED INJURED PERSON WAS TAKEN TO THE HOSPITAL.

THE PERSON WAS INJURED WHEN A TOOL BAG FELL ON HIM WHILE HE WAS IN THE DRYWELL AND HE WAS TRANSPORTED TO THE HOSPITAL VIA AMBULANCE. THE EXTENT OF INJURIES WAS UNKNOWN. THE RI WAS INFORMED ALONG WITH THE STATE AND LOCAL AGENCIES.

\*\*\* UPDATE 11:47 3/16/94 FROM OULLETTE TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 10:40 WHEN IT WAS DETERMINED THAT THE INDIVIDUAL WAS NOT CONTAMINATED. R1DO(PASCIAK), EO(CHAFFEE), AND FEMA(WITSBERGER).

\*\*\* UPDATE 03/23/94 0952EST FROM:RIDDLE BY:SCARFO \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT ON THE BASIS THAT THE INJURED WORKER WAS NOT CONTAMINATED. ENTRY INTO THE EAPs WAS PREDICTED ON THE ASSUMPTION THAT THE WORKER WAS CONTAMINATED. THEREFORE, NO REPORT WAS NECESSARY. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R1DO(MODES) NOTIFIED.

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Power Reactor

Event # 26966

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: ROBINSON                    |            |           |            | Notification Date / Time: 03/19/1994 06:04 (EST) |            |   |
| Unit: 2                           |            | Region: 2 |            | State : SC                                       |            | Event Date / Time: 03/19/1994 05:15 (EST) |
| Reactor Type: [2] W-3-LP          |            |           |            | Last Modification: 03/19/1994                    |            |   |
| Containment Type: DRY AMB         |            |           |            |  |            |   |
| NRC Notified by: CASEY KING       |            |           |            | Notifications: PAUL KELLOGG RDO                  |            |   |
| HQ Ops Officer: RUDY KARSCH       |            |           |            | RICHARD WESSMAN EO                               |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | SULLIVAN FEMA                                    |            |   |
| 10 CFR Section:                   |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                 | N          | No        | 0          | Hot Shutdown                                     | 0          | Hot Shutdown                              |

UNUSUAL EVENT DECLARED DUE TO RCS LEAKAGE GREATER THAN 10 GALLONS PER MINUTE (GPM).

THE LICENSEE OBSERVED RCS LEAKAGE OF 13 GPM FROM RHR/CVCS VALVE "HCV-142". THE UNUSUAL EVENT WAS TERMINATED AT 0539 EST WHEN THE VALVE WAS ISOLATED. THIS VALVE IS NOT REQUIRED TO BE OPERABLE WHEN RHR IS NOT IN USE. THE VALVE WILL BE REPAIRED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL AUTHORITIES.

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Power Reactor

Event # 26998

|                                |            |  |   |                 |            |                 |
|--------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: GRAND GULF               |            | Notification Date / Time: 03/27/1994 15:32 (EST) |   |                 |            |                 |
| Unit: 1                        | Region: 2  | State : MS                                       | Event Date / Time: 03/27/1994 14:10 (CST) |                 |            |                 |
| Reactor Type: [1] GE-6         |            | Last Modification: 03/28/1994                    |   |                 |            |                 |
| Containment Type: MARK III     |            |  |   |                 |            |                 |
| NRC Notified by: EHRHARD       |            | Notifications: DAVE VERRELLI RDO                 |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON |            |  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT |            |  |   |                 |            |                 |
| 10 CFR Section:                |            |  |   |                 |            |                 |
| 50.72(b)(1)(v)                 |            | OTHER ASMT/COMM INOP                             |   |                 |            |                 |
| 50.72(a)(1)(i)                 |            | EMERGENCY DECLARED                               |   |                 |            |                 |
|                                |            | TECH SPEC LCO A/S                                |   |                 |            |                 |
| Unit                           | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                              | N          | No   | 0   | Hot Shutdown    | 0          | Hot Shutdown    |

LOST PRIMARY & BACKUP METEOROLOGICAL INSTRUMENTATION DUE TO SEVERE LIGHTNING STORMS. (THIS EVENT WAS RECLASSIFIED AS AN UNUSUAL EVENT - SEE UPDATE WRITTEN BELOW).

LICENSEE LOST ALL THEIR PRIMARY & BACKUP METEOROLOGICAL INDICATIONS DUE TO A SEVERE LIGHTNING STORM. LICENSEE IS IN TECH SPEC 3.3.7.3.1 (IF NOT RETURNED TO SERVICE IN SEVEN DAYS THEY MUST SUBMIT A SPECIAL REPORT ON THE LOSS OF THEIR METEOROLOGICAL SYSTEM). LICENSEE WILL GET THEIR METEOROLOGICAL DATA FROM THE NATIONAL WEATHER SERVICE STATION LOCATED IN JACKSON, MISSISSIPPI. LICENSEE HAS DESPATCHED PERSONNEL TO THEIR METEOROLOGICAL TOWER STATION TO REPAIR AND RETURN IT TO SERVICE.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*\*UPDATE @ 2137EST 03/27/94 BY T MCINTYRE TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT DECLARED AT 1945CST DUE TO PRIMARY & BACKUP METEOROLOGICAL INDICATIONS BEING INOPERABLE. DURING SHIFT TURNOVER THE ONCOMING SHIFT SUPERVISOR ON HEARING FROM THE OFF GOING SHIFT SUPERVISOR THAT THEY HAD LOST PRIMARY & BACKUP METEOROLOGICAL INDICATION REALIZED THAT THEY SHOULD BE IN AN UNUSUAL EVENT CLASSIFICATION. LICENSEE ENTERED AN UNUSUAL EVENT PER EMERGENCY PLAN PROCEDURE 10-S-01-1. IT NEVER OCCURRED TO THE OFF GOING SHIFT SUPERVISOR THAT THEY WERE IN AN UNUSUAL EVENT BECAUSE OF THE LOSS OF PRIMARY & BACKUP METEOROLOGICAL INDICATIONS. MAIN METEOROLOGICAL TOWER WAS STRUCK BY LIGHTNING BUT ITS STRUCTURE WAS NOT DAMAGED (EQUIPMENT ON THE TOWER WAS DAMAGED). THE BACKUP METEOROLOGICAL TOWER IS OK BUT METEOROLOGICAL INSTRUMENTATION FOR THE TWO TOWERS IS LOCATED IN THE SAME BUILDING AND THIS EQUIPMENT WAS DAMAGED BY THE LIGHTNING STRIKING THE MAIN MET TOWER. LICENSEE HAS I&C OUT AT THE METEOROLOGICAL BUILDING TRYING TO RESTORE THE INSTRUMENTATION BACK TO SERVICE. LICENSEE NOTIFIED STATE & LOCAL OFFICIALS OF THEIR UNUSUAL EVENT CLASSIFICATION. R2DO (DAVE VERRELLI), EO (FRANK CONGEL), & FEMA (HERSKO) NOTIFIED.

Power Reactor

Event # 26998

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*UPDATE DATE/TIME:3/28/94 @ 1510 EST \*FROM LICENSEE:STAFFORD BY:McGINTY\*  
THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1400 CST BASED ON RESTORATION OF  
METEOROLOGICAL MONITORING DATA (PORTIONS OF THE PRIMARY AND ALL OF THE BACKUP  
INSTRUMENTATION). THE LICENSEE WILL CONTINUE PURSUING THE REMAINING INSTRUMENTATION  
THAT IS UNAVAILABLE. THE LICENSEE INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED THE  
R2DO (VERRELLI), EO (B. GRIMES) AND FEMA (WRIGHT).

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Power Reactor

Event # 27001

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: DIABLO CANYON                 |            | Notification Date / Time: 03/28/1994 07:29 (EST) |   |                 |            |                 |
| Unit: 2                             | Region: 4  | State : CA                                       | Event Date / Time: 03/28/1994 04:05 (PST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 03/29/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: PATTY              |            | Notifications: TOM STETKA                        | RDO                                       |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD      |            | GRIMES   | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | STINEDRUF  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                   |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | No   | 0   | Hot Standby     | 0          | Hot Standby     |

THE PLANT ENTERED AN LCO ACTION STATEMENT TO BE IN MODE 3 WITHIN SIX HRS AND MODE 5 WITHIN THE FOLLOWING 30 HRS BECAUSE OF PRESSURE BOUNDARY LEAKAGE.

THE LICENSEE INITIALLY MEASURED A LEAKAGE RATE OF 0.3 GPM(DETECTED BY MASS BALANCE ON RCS & MEASURING WATER REMOVED FROM CONTAINMENT) AND TOOK THE PLANT DOWN TO MODE 3 FOR REPAIR. WHEN AT MODE 3 THEY DETERMINED THAT THE SMALL CRACK WAS IN A 3/4" SOCKET WELD ON A VENT LINE OFF THE SAFETY INJECTION LINE TO THE RCS COLD LOOP. THIS VENT LINE CANNOT BE ISOLATED FROM THE SI LINE, THEREFORE, IT IS CONSIDERED TO BE AN UNISOLABLE RCS LEAK. SINCE THERE IS A CRACK IN THE WELD, IT IS ALSO A PRESSURE BOUNDARY LEAK, SO AN UNUSUAL EVENT WAS DECLARED. THEY WILL BE COOLING DOWN TO MODE 5 AND EXPECT TO REACH THAT MODE BY MIDNIGHT. THE RI WILL BE INFORMED AND STATE AND LOCAL AGENCIES WERE NOTIFIED. THERE WILL ALSO BE THEIR USUAL PRESS RELEASE.

\*\*\*UPDATE ON 03/29/94 @ 02:54 BY HELM TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 23:41 PST WHEN THE REACTOR REACHED MODE 5. THE RI WILL BE NOTIFIED. STATE AND LOCAL AGENCIES WERE NOTIFIED. NOTIFIED FEMA(SULLIVAN), REG 4(STETKA), AND EO(CONGEL).

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Power Reactor

Event # 27036

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: ZION                          |           | Notification Date / Time: 04/03/1994 07:46 (EDT) |   |
| Unit: 1                             | Region: 3 | State : IL                                       | Event Date / Time: 04/03/1994 06:18 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 04/03/1994                    |   |
| Containment Type:                   |           |  |   |
| NRC Notified by: BILL BREEN         |           | Notifications: GARY SHEAR RDO                    |   |
| HQ Ops Officer: STEVE SANDIN        |           | EDWARD BUTCHER EO                                |   |
| Emergency Class: UNUSUAL EVENT      |           | EARL FEMA  |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 50.72(b)(1)(vi) FIRE (ONSITE)       |           |  |   |
| 50.72(b)(2)(ii) RPS ACTUATION       |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION       |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 25         | Power Operation | 0          | Hot Standby     |

UNIT 1 DECLARED AN UNUSUAL EVENT DUE TO A FIRE IN THE TURBINE BUILDING LASTING GREATER THAN 15 MINUTES.

AT 0618CDT UNIT 1 RECEIVED A GENERATOR TRIP FOLLOWED BY A REACTOR TRIP. THE ONSITE FIRE BRIGADE RESPONDED TO A TURBINE BUILDING FIRE IN THE GENERATOR BUS DUCT COOLING DUCT. WHEN THE FIRE COULD NOT BE EXTINGUISHED, THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0630CDT AND REQUESTED OFFSITE ASSISTANCE FROM THE ZION FIRE DEPARTMENT. AS OF THE TIME OF THIS REPORT THE FIRE IS CONFINED BUT ONGOING. THE LICENSEE SPECULATED THAT THE CAUSE OF THE FIRE IS A GENERATOR LEAD TO GROUND SHORT AND THAT THE SOURCE OF THE COMBUSTIBLE MATERIAL WAS INSULATION AND/OR PAINT. HOWEVER DUE TO THE LOCATION OF THE FIRE THE GENERATOR HYDROGEN COOLING SYSTEM IS BEING DEPRESSURIZED AND PURGED AS A PRECAUTIONARY MEASURE. THERE ARE NO PERSONNEL INJURIES. THE DAMAGE TO THE BUS DUCT WAS DESCRIBED AS EXTENSIVE WITH SECTIONS BLOWN AWAY. AT THE TIME OF THE TRIP, UNIT 1 WAS INCREASING POWER FROM 24 TO 27% AT 3%/HR EXITING A REFUELING OUTAGE. FOLLOWING THE TRIP, THE UNIT RESPONDED AS EXPECTED. CONTROL RODS FULLY INSERTED AND ALL SAFETY SYSTEMS INCLUDING EDGs ARE AVAILABLE. UNIT 1 IS CURRENTLY IN A STABLE MODE 3. THE LICENSEE WAS IN THE PROCESS OF INFORMING STATE AND LOCAL AGENCIES AND HAS INFORMED THE NRC RESIDENT INSPECTOR. IT IS UNKNOWN WHETHER A PRESS RELEASE WILL BE ISSUED.

\*\*\* UPDATE 1000EDT 4/3/94 FROM BREEN TO S.SANDIN \*\*\*

CONTACTED LICENSEE FOR STATUS OF UNUSUAL EVENT. THE LICENSEE IS CONTINUING EFFORTS TO EXTINGUISH THE FIRE. CURRENTLY, THE FIRE IS CHARACTERIZED AS A "PILOT LIGHT" IN THE VICINITY OF THE GENERATOR BUSHING WHICH HAVE FAILED. THE GENERATOR HYDROGEN COOLING SYSTEM REQUIRES APPROXIMATELY 4-6 HOURS DEPRESSURIZATION AND PURGING WITH 1-1/2 TONS CARBON DIOXIDE. THE LICENSEE'S MEDIA DEPARTMENT HAS RECEIVED 4 MEDIA INQUIRIES SO FAR AND HAS NOT DETERMINED WHETHER A PRESS RELEASE WILL BE ISSUED.

\*\*\* UPDATE 1013EDT 4/3/94 FROM BREEN TO S.SANDIN \*\*\*

Power Reactor

Event # 27036

UE TERMINATED AT 0905CDT BASED ON THE FIRE BEING EXTINGUISHED AND THE OFFSITE FIRE DEPARTMENT DEPARTING. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO(SHEAR), EO(BUTCHER) AND FEMA(EARL).

\*\*\* UPDATE AT 1333 EST BY KARSCH\*\*\* COMMISSIONERS ASSISTANTS BRIEFING NOTIFICATIONS (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD(JORDAN), IRB(GITTER), COMM SELIN(BAKER), REMICK(CROCKETT&DOOLITTLE), ROGERS(SORENSEN), de PLANQUE(LUBENAU), EDO REGION(DEAN), EO(BUTCHER), PAO(BEECHER), CAO(GERKE), SECY(\*), STATE(SOLLENBERGER), IP(HAUBER), BRIEFER(SMITH), OTHERS(RGN3 JORGENSEN&MILLER, NRR MIRAGLIA&THADANI).

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 27057

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: MCGUIRE                       |            |           |            | Notification Date / Time: 04/07/1994 23:20 (EDT) |            |   |
| Unit: 1 2                           |            | Region: 2 |            | State : NC                                       |            | Event Date / Time: 04/07/1994 23:20 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 04/19/1994                    |            |   |
| Containment Type: ICE COND ICE COND |            |           |            |  |            |   |
| NRC Notified by: VELLERS            |            |           |            | Notifications: KERRY LANDIS RDO                  |            |   |
| HQ Ops Officer: CHAUNCEY GOULD      |            |           |            | JOHN ZWOLINSKI EO                                |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | EARL FEMA  |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |
| 2                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

THE LICENSEE REPORTED THAT THEY EVACUATED PERSONNEL FROM A PROTECTED AREA DUE TO THE RELEASE OF EXCESSIVE TOXIC VAPORS.

THIS OCCURRED WHILE WORKERS WERE USING METHYL-ETHYL-KETONE TO CLEAN OFF THE INSULATION ON THE CHILLER IN THE AUX BUILDING. THEY EVIDENTLY USED TOO MUCH SOLVENT WHERE THEY WERE BEGINNING TO TASTE IT IN THEIR MOUTH FROM THE VAPORS. WHEN THEY CALLED THE SAFETY DEPARTMENT, IT WAS RECOMMENDED THAT THE AREA BE EVACUATED(APPROX 15:40). WHEN READINGS WERE FINALLY TAKEN OF THE VAPOR CONCENTRATION, SOME TIME HAD ELAPSED, AND THE CONCENTRATION RETURNED WITHIN ACCEPTABLE LIMITS FOR PERSONS TO WORK IN THAT AREA. THE WORKERS RETURNED TO THE AREA WITHIN 2 HOURS AFTER BEING EVACUATED. VENTILATION IN THE AREA WAS INCREASED. THE NOUE WAS TERMINATED AT 23:20. NO WORKERS REQUIRED ANY MEDICAL ATTENTION. THE RI WAS INFORMED AND STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE AT 16:23 @ 4/19/94 BY WILLIAMS TO GOULD\*\*\* THE LICENSEE IS RETRACTING THIS EVENT(AS OF 16:10) BASED ON INFORMATION OBTAINED FROM A FURTHER REVIEW WHICH REVEALED THAT THE CONCENTRATION OF THE GAS WAS NOT OF SUFFICIENT PROPORTIONS TO BE TOXIC, NOR DID THE REMOVAL OF PERSONNEL FROM THE AREA CONSTITUTE AN EVACUATION. THEY WERE REMOVED DUE TO CONCERN FOR THEIR IMMEDIATE WELL BEING AND AT NO TIME WAS ANY OF THE EQUIPMENT IN THE AREA UNAVAILABLE TO OPERATIONS. THE RI WILL BE INFORMED AS WELL AS THE STATE AND LOCAL AGENCIES. REG 2 (FREDRICKSON) & EO (LAINAS)

\*\*\*\*\*

Power Reactor

Event # 27066

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HOPE CREEK                  |           | Notification Date / Time: 04/09/1994 06:27 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NJ                                       | Event Date / Time: 04/09/1994 05:45 (EDT) |
| Reactor Type: [1] GE-4            |           | Last Modification: 04/09/1994                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: BURKE            |           | Notifications: WALTER PASCIAK RDO                |   |
| HQ Ops Officer: TIM McGINTY       |           | JOHN ZWOLINSKI EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | EARL FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

HOPE CREEK DECLARED AN UNUSUAL EVENT DUE TO TRANSPORTING A CONTAMINATED, INJURED PERSON OFF-SITE TO THE HOSPITAL.

AT 0545 EDT ON 4/9/94, AN UNUSUAL EVENT WAS DECLARED WHEN A CONTAMINATED INJURED WORKER WAS TRANSPORTED OFF-SITE TO THE HOSPITAL. THE INDIVIDUAL WAS WORKING ON THE REFUELING FLOOR, AND APPARENTLY PASSED OUT DUE TO HEAT EXHAUSTION. SURVEYS INDICATED 4 cpm CONTAMINATION ON THE WORKERS BODY, DUE TO COLLAPSING ON THE FLOOR OF THE REFUELING FLOOR. THE WORKER WAS TRANSPORTED OFF-SITE TO SALEM MEMORIAL HOSPITAL, AND THERE IS NO WORD YET ON HIS CONDITION. THE UNUSUAL EVENT WAS TERMINATED AT 0622 EDT ON 4/9/94, WHEN THE INDIVIDUAL REACHED THE HOSPITAL. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR, AND HAS INFORMED LAC TOWNSHIP AND THE STATES OF NEW JERSEY AND DELAWARE.

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Power Reactor

Event # 27069

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BRAIDWOOD                     |            |           |            | Notification Date / Time: 04/10/1994 13:02 (EDT) |            |   |
| Unit: 1                             |            | Region: 3 |            | State : IL                                       |            | Event Date / Time: 04/10/1994 11:45 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 04/10/1994                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: ACKERMAN           |            |           |            | Notifications: BRUCE BURGESS RDO                 |            |   |
| HQ Ops Officer: CHAUNCEY GOULD      |            |           |            | JOHN ZWOLINSKI EO                                |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | BELCHER FEMA                                     |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| 50.72(b)(2)(v) OFFSITE MEDICAL      |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

THE LICENSEE TRANSPORTED A CONTAMINATED CONTRACT PERSONNEL TO AN OFFSITE MEDICAL FACILITY.

THE CONTRACTOR PASSED OUT WHILE WORKING IN CONTAINMENT DUE TO HEAT EXHAUSTION. HE WAS TRANSPORTED TO ST JOSEPH'S MEDICAL CENTER IN JOLIET, ILL., ACCOMPANIED BY AN HP. THE RI WILL BE NOTIFIED. THE STATE WAS NOTIFIED.

\*\*\*UPDATE AT 14:38 BY ACKERMAN TO GOULD\*\*\* THE PERSON WAS DE-CONTAMINATED (HIS RIGHT SHOULDER WAS READING 200CPM) AT THE HOSPITAL AND THE NOUE WAS TERMINATED AT 13:21CT. HIS CLOTHING IS BEING RETURNED TO THE SITE AND THE AMBULANCE AND HOSPITAL EMERGENCY ROOM WERE ALSO DE-CONTAMINATED. THE RI WAS INFORMED. THE RDO(BURGESS), EO(ZWOLINSKI) AND FEMA(SIMMERS) WERE NOTIFIED.

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Power Reactor

Event # 27070

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 04/10/1994 17:37 (EDT) |            |   |
| Unit: 1                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 04/10/1994 16:13 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 04/10/1994                    |            |   |
| Containment Type: MARK I                 |            |           |            |  |            |   |
| NRC Notified by: ROSS                    |            |           |            | Notifications: WALTER PASCIAK                    |            | RDO                                       |
| HQ Ops Officer: CHAUNCEY GOULD           |            |           |            | JOHN ZWOLINSKI                                   |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |           |            | BAGWELL  |            | FEMA                                      |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1  | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

THE PLANT REPORTED THAT THEY HAD APPROXIMATELY A 50" DROP IN REACTOR VESSEL LEVEL DURING A SURVEILLANCE TEST DUE TO POSSIBLE PROCEDURE INADEQUACY.

THIS OCCURRED DURING AN I&C REFUELING SURVEILLANCE(LPCI CONTAINMENT COOLING LOGIC TEST), WHILE THE "B" TRAIN OF LPCI WAS CROSS TIED TO SHUTDOWN COOLING. DURING THE PERFORMANCE OF THIS TEST, THE "A" TRAIN OF CONTAINMENT SPRAY VALVES WERE OPENED. THE CROSS TIE BETWEEN THE "A" & "B" LPCI TRAINS WAS ALSO OPENED. THIS CREATED A FLOW PATH FROM THE REACTOR VESSEL THROUGH SHUTDOWN COOLING, THROUGH "B" LPCI TO "A" LPCI CONTAINMENT SPRAYS. AFTER THIS LINEUP WAS MADE, THE OPERATOR NOTICED THAT THE REACTOR VESSEL LEVEL HAD GONE FROM 80" TO 20", AT THAT POINT THEY SECURED TESTING IMMEDIATELY. THIS CONDITION APPEARS TO HAVE BEEN CAUSED BY A PROCEDURE INADEQUACY AND THEY ARE INVESTIGATING WHAT CHANGES SHOULD BE MADE PRIOR TO CONTINUATION OF THE SURVEILLANCE. THE NOUE WAS DECLARED BECAUSE THEY FELT THAT ADDITIONAL PLANT AWARENESS WAS NEEDED. THE VESSEL LEVEL WAS RETURNED TO 80" AFTER THE TERMINATION OF THE TEST. THE RI, STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\*UPDATE AT 18:23 BY BERRY TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 18:13 SINCE THEY WERE OUT OF AN INCREASED AWARENESS CONDITION.

\*\*\*UPDATE AT 20:12 BY KENNEDY TO GOULD\*\*\* A QUESTION WAS ASKED ON THE ACTUAL WATER LEVEL REACHED AND ON THIS FOLLOWUP IT WAS STATED THAT IT WENT FROM 82" TO 6"(APPROX. 14,000 GAL.).

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Power Reactor

Event # 27096

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CALVERT CLIFFS              |           | Notification Date / Time: 04/14/1994 14:05 (EDT) |   |
| Unit: 1 2                         | Region: 1 | State : MD                                       | Event Date / Time: 04/14/1994 13:53 (EDT) |
| Reactor Type: [1] CE,[2] CE       |           | Last Modification: 04/16/1994                    |   |
| Containment Type: DRY AMB DRY AMB |           |  |   |
| NRC Notified by: BURGER/SHUMAKER  |           | Notifications: WILLIAM LAZARUS RDO               |   |
| HQ Ops Officer: STEVE SANDIN      |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | BERNICE CARR FEMA                                |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE METEOROLOGICAL TOWER BEING OUT OF SERVICE.

AFTER COMPLETING PREVENTATIVE MAINTENANCE ON THE MET TOWER WIND SPEED AND DIRECTION INSTRUMENTATION, THE LICENSEE WAS USING A PULLEY SYSTEM TO REPOSITION THE INDICATOR WHEN A BEARING IN THE PULLEY SYSTEM FAILED. THE LICENSEE ESTIMATES THAT REPAIRS WILL BE COMPLETED BY 1200EDT ON 4/15/94 AT WHICH TIME THE UNUSUAL EVENT WILL BE TERMINATED. DURING THE PERIOD OF TIME THAT THE MET TOWER IS OUT OF SERVICE, THE LICENSEE WILL USE MET DATA FROM THE PATUXENT NAVAL AIR STATION. THE LICENSEE INFORMED ALL STATE/LOCAL AGENCIES PER THEIR EMERGENCY PLAN AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0606 ON 04/16/94 BY WASEM ENTERED BY HOO JOLLIFFE \*\*\*

AT 2115 ON 04/15/94, LICENSEE RESTORED THE METEOROLOGICAL TOWER TO SERVICE AND TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. HOO NOTIFIED R1DO LAZARUS, NRR EO BRIAN GRIMES, AND FEMA CARR.

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Power Reactor

Event # 27131

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 04/21/1994 10:00 (EDT) |            |   |
| Unit: 2                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 04/20/1994 16:23 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 04/21/1994                    |            |   |
| Containment Type: DRY AMB                |            |           |            |  |            |   |
| NRC Notified by: WILLIAM STRONG          |            |           |            | Notifications: HAROLD GRAY                       |            | RDO                                       |
| HQ Ops Officer: RUDY KARSCH              |            |           |            | AL CHAFFEE                                       |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |           |            | CALDWELL   |            | FEMA                                      |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| TECH SPEC LCO A/S                        |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | Yes       | 99         | Power Operation                                  | 99         | Power Operation                           |

LATE NOTIFICATION OF AN UNUSUAL EVENT. REACTOR COOLANT SYSTEM LEAK RATE IN EXCESS OF TECH SPEC LIMIT.

A RCS LEAK RATE INDICATION OF APPROXIMATELY 8 GPM, WHICH IS IN EXCESS OF THE TECH SPEC LIMIT (1 GPM UNIDENTIFIED/ 10 GPM IDENTIFIED), WAS OBSERVED. THE LEAKAGE WAS IDENTIFIED TO BE IN THE CHEMICAL VOLUME CONTROL SYSTEM (CVCS). THE LEAK WAS DETERMINED TO BE SEAT LEAKAGE FROM THE THREE-WAY DIVERTER VALVE, "2LTR7.1", BETWEEN THE VCT AND THE DE-GAS SYSTEM. THE LEAK WAS ISOLATED AT 1930 EDT ON 4/20/94 AND THE TECH SPEC LCO WAS EXITED. THE LICENSEE DETERMINED AT 0930 EDT ON 4/21/94 THAT THIS WAS REPORTABLE, CLASSIFIED IT AS AN UNUSUAL EVENT AND TERMINATED IT AT THAT TIME. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL GOVERNMENT AGENCIES.

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Power Reactor

Event # 27147

|  |            |                      |            |  |            |   |
|--|------------|----------------------|------------|--|------------|---|
| Site: MILLSTONE                          |            |                      |            | Notification Date / Time: 04/23/1994 03:05 (EDT) |            |   |
| Unit: 2                                  |            | Region: 1            |            | State : CT                                       |            | Event Date / Time: 04/23/1994 02:55 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |                      |            | Last Modification: 04/23/1994                    |            |   |
| Containment Type: DRY AMB                |            |                      |            |  |            |   |
| NRC Notified by: JOHN RESETAR            |            |                      |            | Notifications: HAROLD GRAY                       |            | RDO                                       |
| HQ Ops Officer: RUDY KARSCH              |            |                      |            | GUS LAINAS                                       |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |                      |            | JIM MUSE   |            | FEMA                                      |
| 10 CFR Section:                          |            |                      |            |  |            |   |
| 50.72(b)(2)(ii)                          |            | RPS ACTUATION        |            |  |            |   |
| 50.72(a)(1)(i)                           |            | EMERGENCY DECLARED   |            |  |            |   |
|  |            | TECH SPEC LCO A/S    |            |  |            |   |
| 50.72(b)(1)(i)(A)                        |            | PLANT S/D REQD BY TS |            |  |            |   |
| Unit                                     | Scram Code | RX Crit              | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | M/R        | Yes                  | 0          | Startup  | 0          | Hot Standby                               |

MANUAL REACTOR TRIP FROM 10 EXP -5 DURING A PLANT SHUT DOWN DUE TO AN IMMOVABLE CONTROL ROD.

THE LICENSEE WAS SHUTTING DOWN FOR AN 18-DAY OUTAGE TO REPAIR THEIR "D" REACTOR COOLANT PUMP SEAL. POWER HAD BEEN REDUCED TO 10 EXP -5 BY BORATION WITH CONTROL RODS STILL FULLY WITHDRAWN. THE NEXT OPERATION WAS TO DRIVE RODS IN AND OPEN THE REACTOR TRIP CIRCUIT BREAKERS. WHILE DRIVING IN GROUP SEVEN RODS THE OPERATORS RECEIVED A "ROD DEVIATION" ALARM AND OBSERVED NON- UNIFORM AXIAL NEUTRON FLUX. INVESTIGATION REVEALED THAT ROD 65 HAD NOT MOVED IN RESPONSE TO THE "RODS IN" COMMAND. POWER TO THIS ROD WAS THEN INTERRUPTED, THE ROD DROPPED INTO THE REACTOR CORE AND THE ROD BOTTOM LIGHT CAME ON. THE REACTOR WAS THEN MANUALLY TRIPPED AND THE REMAINING RODS FULLY INSERTED. THE LICENSEE SUSPECTS A PROBLEM WITH THE ROD CONTROL CIRCUITRY AND WILL INVESTIGATE DURING THE OUTAGE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0604 EDT FROM RESETAR TAKEN BY WEAVER \*\*\*

LICENSEE DECLARED AN UNUSUAL EVENT AT 0550 BASED ON A TECH SPEC REQUIRED SHUTDOWN. THE UNUSUAL EVENT WAS IMMEDIATELY TERMINATED. TECH SPECS REQUIRE A SHUTDOWN TO HOT STANDBY WITHIN SIX HOURS WHEN A CEA IS MORE THAN 10 STEPS FROM ITS GROUP. CEA #65 WAS 70 STEPS FROM ITS GROUP (GROUP 7). THIS DECLARATION WAS MADE AFTER THE FACT BECAUSE WHEN THE T/S ACTION STATEMENT WAS ENTERED, A REACTOR SHUTDOWN WAS ALREADY IN PROGRESS. THE T/S WAS EXITED AT 0255 EDT WHEN THE REACTOR WAS TRIPPED AND ALL RODS INSERTED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE AND LOCAL GOVERNMENTS WERE INFORMED, AND A PRESS RELEASE MIGHT BE ISSUED.

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Power Reactor

Event # 27149

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 04/23/1994 14:39 (EDT) |   |                 |            |                 |
| Unit: 2                                  | Region: 1  | State : CT                                       | Event Date / Time: 04/23/1994 01:15 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 04/23/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB                |            |  |   |                 |            |                 |
| NRC Notified by: NELSON                  |            | Notifications: HAROLD GRAY RDO                   |   |                 |            |                 |
| HQ Ops Officer: GREG SCARFO              |            | GUS LAINAS EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | MOSTELLER FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                        |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | N          | Yes  | 50  | Power Operation | 0          | Hot Standby     |

AN NOUE WAS DECLARED WHEN IT WAS DETERMINED THAT A SHUTDOWN MARGIN CALCULATION REQUIRED BY TECHNICAL SPECIFICATION (T/S) COULD NOT BE PERFORMED WITHIN THE SPECIFIED TIME. THE NOUE WAS TERMINATED WHEN THE STUCK ROD WAS DE-ENERGIZED AND FELL INTO THE CORE.

AT 0115EDT, AN NOUE WAS DECLARED WHEN IT WAS DETERMINED THAT A SHUTDOWN MARGIN CALCULATION REQUIRED BY T/S ACTION STATEMENT 3.1.3.1 COULD NOT BE PERFORMED WITHIN THE ASSOCIATED 1-HOUR TIMEFRAME. THIS T/S ACTION STATEMENT REQUIRES A VERIFICATION OF THE SHUTDOWN MARGIN PRIOR TO ENTERING HOT STANDBY (MODE 3). THE LICENSEE DOES NOT HAVE THE CAPABILITY TO PERFORM SUCH A CALCULATION AT THIS TIME AND NEVER HAS HAD SUCH A CAPABILITY DURING THE OPERATION HISTORY OF THE PLANT. TO PERFORM THE CALCULATION, TWO RODS ARE ASSUMED STUCK OUT OF THE CORE. THIS NOUE OCCURRED DURING THE PREVIOUS NOUE (REFERENCE EVENT # 27147) ASSOCIATED WITH THE SINGLE, STUCK-ROD CONDITION.

THE LICENSEE TERMINATED THE NOUE AT 0115EDT. HOWEVER, THE T/S WAS NOT EXITED UNTIL 0248EDT WHEN THE ROD MECHANISM WAS DE-ENERGIZED AND THE ROD FELL INTO THE CORE. AN INVESTIGATION INTO ESTABLISHING A SHUTDOWN MARGIN CALCULATION CAPABILITY IS BEING PERFORMED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE OF CONNECTICUT WAS NOTIFIED.

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Power Reactor

Event # 27204

|                                    |            |            |            |  |            |                 |
|------------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: PALO VERDE                   |            |            |            | Notification Date / Time: 05/03/1994 18:24 (EDT) |            |                 |
| Unit: 2                            | Region: 4  | State : AZ |            | Event Date / Time: 03/12/1994 14:45 (MST)        |            |                 |
| Reactor Type: [1] CE,[2] CE,[3] CE |            |            |            | Last Modification: 05/03/1994                    |            |                 |
| Containment Type: DRY AMB          |            |            |            |  |            |                 |
| NRC Notified by: ROGALSKI          |            |            |            | Notifications: GARY SANBORN RDO                  |            |                 |
| HQ Ops Officer: TIM McGINTY        |            |            |            |  |            |                 |
| Emergency Class: UNUSUAL EVENT     |            |            |            |  |            |                 |
| 10 CFR Section:                    |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |            |            |  |            |                 |
| Unit                               | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                  | N          | No         | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |

THE LICENSEE MADE A LATE REPORT OF AN EVENT THAT OCCURRED ON 3/12/94 AND SHOULD HAVE BEEN DECLARED AN UNUSUAL EVENT AT THAT TIME DUE TO THE MANUAL START OF A THIRD CHARGING PUMP TO RECOVER PRESSURIZER LEVEL WHILE DRAWING THE BUBBLE.

ON 3/12/94 AT 1445 MST, UNIT 2 WAS RETURNING FROM A MID-CYCLE OUTAGE AND WAS IN THE PROCESS OF DRAWING A BUBBLE IN THE PRESSURIZER. DURING THIS PROCESS (RETURNING FROM MID-LOOP OPS DURING WHICH SG EDDY CURRENT TESTING HAD BEEN PERFORMED) APPROXIMATELY 10,000 GALLONS OF MAKEUP HAD BEEN ADDED TO THE REACTOR COOLANT SYSTEM AND REACTOR COOLANT PUMPS HAD BEEN RUN TO SWEEP THE AIR OUT OF THE TUBES. WHILE IN THE PROCESS OF DRAWING THE BUBBLE (MAINTAIN PRESSURIZER LEVEL ROUGHLY 50%-60% DURING THIS PROCEDURE), AT ABOUT 1700 MST, A SECOND CHARGING PUMP WAS MANUALLY STARTED WITH PRESSURIZER LEVEL AT ABOUT 52%, TO AID IN FILLING WHAT WAS BELIEVED TO BE A VOID IN THE STEAM GENERATOR TUBE BUNDLE. AT APPROXIMATELY 2200 MST, A THIRD CHARGING PUMP WAS MANUALLY STARTED AS PROCEDURALLY REQUIRED AFTER PRESSURIZER LEVEL HAD DECREASED TO 42%. DURING THE EVENT, OPERATORS WERE IN THE PROCESS OF TRYING TO ESTABLISH LETDOWN AND NOTICED THAT AN INORDINATE AMOUNT OF MAKEUP WAS BEING ADDED TO THE RCS VIA THE CHARGING PUMPS, AND THEN TURNED THE PRESSURIZER HEATERS OFF TO ASSESS THE CONDITIONS, AT WHICH TIME THE LEVEL WENT DOWN TO 42%.

AT 2210 MST, THE "A" LOW PRESSURE SAFETY INJECTION MINIMUM FLOW VALVE (SIA-UV-669) WAS FOUND OPEN. THE PROCESS OF DRAWING THE BUBBLE PROVIDED ENOUGH HEAD PRESSURE TO START SENDING INCREASED QUANTITIES OF WATER TO THE RWST, DURING WHICH TIME THE CHARGING PUMPS WERE RETURNING WATER TO THE RCS. THE VALVE WAS CLOSED AND PRESSURIZER LEVEL STARTED TO RECOVER. APPROXIMATELY 28,000 GALLONS OF WATER WAS PUMPED FROM THE RCS TO THE REFUELING WATER STORAGE TANK. UNIT PERFORMANCE EVALUATION COMPLETED ON 3/19/94 DETERMINED THAT BASED ON EMERGENCY PROCEDURE "02" AN UNUSUAL EVENT SHOULD HAVE BEEN DECLARED WHEN THE THIRD CHARGING PUMP WAS STARTED TO MAINTAIN LEVEL. THE EVENT WOULD HAVE BEEN TERMINATED AT 2210 MST ON 3/12/94

Power Reactor

Event # 27204

WHEN THE RECIRC VALVE WAS CLOSED AND PRESSURIZER LEVEL RECOVERED. THE RESIDENT INSPECTOR WAS NOTIFIED ON 3/19/94 OF THE EVENTS THAT TRANSPIRED, AND WILL BE NOTIFIED BY THE LICENSEE OF THE DECISION TO MAKE THIS NOTIFICATION.

THE SAFETY INJECTION MINIMUM FLOW VALVE WAS OPEN BECAUSE IT HAD PREVIOUSLY BEEN TAGGED OPEN FOR TESTING, AND UPON CLEARING THE TAGOUT THE OPERATORS FAILED TO RESTORE THE SYSTEM TO THE PROPER CONFIGURATION.

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Power Reactor

Event # 27221

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 05/08/1994 16:53 (EDT) |   |
| Unit: 1 2                           | Region: 4 | State : CA                                       | Event Date / Time: 05/08/1994 13:37 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 05/08/1994                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: DAVID PATTY        |           | Notifications: GARY SANBORN RDO                  |   |
| HQ Ops Officer: DOUG WEAVER         |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT      |           | JIM MUSE FEMA                                    |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 20         | Power Operation | 20         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## BRUSH FIRE ON OWNER CONTROLLED LAND

A SMALL BRUSH FIRE IS BURNING ON OWNER CONTROLLED LAND ABOUT 300 YARDS OUTSIDE THE PROTECTED AREA. THE FIRE WAS DISCOVERED AT 1337 PDT. THE FIRE IS NOT NEAR THE OFFSITE POWER LINES THAT FEED THE PLANT. ALL EMERGENCY DIESEL GENERATORS ARE OPERABLE. BECAUSE OF A RECENT RAIN IN THE AREA, THE FIRE IS BEST DESCRIBED AS SMOLDERING. THE DECLARATION OF AN UNUSUAL EVENT IS BASED UPON THE LICENSEE CALLING FOR OFFSITE ASSISTANCE. THE PLANT IS CONTINUING WITH NORMAL OPERATIONS.

THE LICENSEE HAS CALLED THE CALIFORNIA DEPARTMENT OF FORESTRY TO AID THEIR OWN FIRE BRIGADE IN ATTACKING THE FIRE. THE LICENSEE ALSO NOTIFIED THE LOCAL COUNTY SHERIFF AND THE CALIFORNIA DEPARTMENT OF EMERGENCY SERVICES. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS PLANNED.

## \*\*\* UPDATE AT 1813EDT BY PATTY TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1505PDT. THE FIRE IS OUT AND CLEANUP OPERATIONS ARE UNDERWAY. THE CAUSE OF THE FIRE WAS A 12KV LINE WHICH WAS ARCING. THE LINE WAS DEENERGIZED TO FIGHT THE FIRE. THIS LINE DID NOT SUPPLY ANY PLANT RELATED LOADS. THE FOLLOWING PEOPLE WERE NOTIFIED RDO (SANBORN); EO (VIRGILIO); FEMA (CARR)

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Power Reactor

Event # 27229

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: DIABLO CANYON                    |            | Notification Date / Time: 05/10/1994 15:06 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 4  | State : CA                                       | Event Date / Time: 05/10/1994 11:45 (PDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 05/11/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: BOB MAGRUDER          |            | Notifications: WILLIAM JOHNSON RDO               |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH            |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | STINEDRUF FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 2   | Startup         | 2          | Startup         |

UNUSUAL EVENT DECLARED DUE TO FORCED UNIT SHUTDOWN.

THE LICENSEE DECLARED AN UNUSUAL EVENT WHEN THEY DETERMINED THAT THE "C" PHASE OF THEIR MAIN TRANSFORMER HAD TO BE REPLACED, AND THE TIME WOULD EXCEED THE 72 HOURS ALLOWED BY TECH SPECS. THE OUTAGE IS EXPECTED TO LAST 10 DAYS. THE UNUSUAL EVENT WILL TERMINATE WHEN THE UNIT REACHES MODE 5, COLD SHUTDOWN. THE LICENSEE INFORMED STATE AND LOCAL AUTHORITIES AND THE NRC RESIDENT INSPECTOR. A PRESS RELEASE WAS ISSUED.

\* UPDATE DATE/TIME:5/11/94 @ 0155 EDT \*FROM LICENSEE:ANDERSEN BY:McGINTY\*  
THE UNUSUAL EVENT WAS TERMINATED AT 2245 PDT UPON REACHING COLD SHUTDOWN. THE LICENSEE INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R4DO (JOHNSON), EO (CHAFFEE) AND FEMA (LOUZONIS).

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Power Reactor

Event # 27246

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 05/13/1994 07:30 (EDT) |            |   |
| Unit: 2                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 05/13/1994 07:15 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 05/13/1994                    |            |   |
| Containment Type: DRY AMB                |            |           |            |  |            |   |
| NRC Notified by: STRONG                  |            |           |            | Notifications: RICHARD CONTE RDO                 |            |   |
| HQ Ops Officer: TIM McGINTY              |            |           |            | CHAFFEE EO                                       |            |   |
| Emergency Class: UNUSUAL EVENT           |            |           |            | BAGWELL FEMA                                     |            |   |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown                             |

A CHARGING PUMP STARTED AND INJECTED TO VESSEL WHEN RE-SETTING ACTUATION RELAYS ASSOCIATED WITH THE PERFORMANCE OF LOSS OF NORMAL POWER TESTING.

MILLSTONE 2 WAS PERFORMING LOSS OF NORMAL POWER TESTING THIS MORNING ON THE "Z2" EMERGENCY FACILITY. DURING THE COURSE OF RE-SETTING ACTUATION RELAYS (PRESSED THE SIAS RESET PUSHBUTTON), SOME ACTUATION MODULES ACTUATED. SPECIFICALLY, THE "B" CHARGING PUMP STARTED AND PROVIDED FLOW TO THE VESSEL, WHICH PROMPTED THE DECLARATION OF THE UNUSUAL EVENT. THE CHARGING PUMP WAS IMMEDIATELY SECURED AND THE UNUSUAL EVENT WAS TERMINATED AT THE SAME TIME AS THE DECLARATION. THE LICENSEE IS INVESTIGATING THE CAUSE OF THE ACTUATION, WHICH MAY BE RELATED TO THE NOISE GENERATED FROM THE NUMBER OF RELAYS BEING RESET AT THE SAME TIME.

IN THE FUTURE (NEXT REFUELING OUTAGE), THEY MAY BE PUTTING IN SOME MODIFICATIONS TO INSTALL NOISE SUPPRESSION TO PREVENT FUTURE SIMILAR OCCURRENCES. THE UNIT IS IN THE PROCESS OF COMING OUT OF A SHORT OUTAGE FOR RCP SEAL REPLACEMENT AND A "B" EDG 18 MONTH SURVEILLANCE. THE LICENSEE INFORMED STATE AND LOCAL AUTHORITIES AND THE RESIDENT INSPECTOR.

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Power Reactor

Event # 27271

|                                    |            |           |            |  |            |   |
|------------------------------------|------------|-----------|------------|--|------------|---|
| Site: PALO VERDE                   |            |           |            | Notification Date / Time: 05/18/1994 22:27 (EDT) |            |   |
| Unit: 2                            |            | Region: 4 |            | State : AZ                                       |            | Event Date / Time: 05/18/1994 18:48 (MST) |
| Reactor Type: [1] CE,[2] CE,[3] CE |            |           |            | Last Modification: 05/18/1994                    |            |   |
| Containment Type: DRY AMB          |            |           |            |  |            |   |
| NRC Notified by: RAY ROBERTS       |            |           |            | Notifications: PHIL HARRELL                      |            | RDO                                       |
| HQ Ops Officer: DOUG WEAVER        |            |           |            | STEVEN VARGA                                     |            | EO  |
| Emergency Class: UNUSUAL EVENT     |            |           |            | EARL   |            | FEMA                                      |
| 10 CFR Section:                    |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |           |            |  |            |   |
| Unit                               | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                  | N          | Yes       | 86         | Power Operation                                  | 86         | Power Operation                           |

## UNUSUAL EVENT DECLARED DUE TO A FIRE.

A SECURITY GUARD REPORTED A FIRE TO THE CONTROL ROOM AT 1840 MST. THE FIRE WAS IN THE PLANT NORTH YARD AREA AND CONSISTED OF PLASTIC AND PLYWOOD. NO PERMANENT PLANT EQUIPMENT IS LOCATED IN THIS AREA. THE FIRE WAS EXTINGUISHED AT 1845 MST BY A SECURITY GUARD WITH A PORTABLE FIRE EXTINGUISHER. THE FIRE WAS STARTED BY A TEMPORARY LIGHT WHICH HAD FALLEN ON TO THE PLASTIC.

THE FIRE WAS DETERMINED TO HAVE BURNED FOR MORE THAN 10 MINUTES BASED ON REVIEW OF THE FIRE SCENE BY A FIRE TEAM ADVISOR AND THE SHIFT SUPERVISOR. THE FIRE WAS ASSUMED TO HAVE BURNED FOR MORE THAN FIVE MINUTES BEFORE DISCOVERY. THE UNUSUAL EVENT WAS DECLARED AND TERMINATED AT 1848 MST.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, THE MARICOPA COUNTY SHERIFF'S OFFICE AND THE ARIZONA DEPARTMENT OF PUBLIC SAFETY.

\*\*\*\*\*

Power Reactor

Event # 27295

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: COOPER                      |           | Notification Date / Time: 05/25/1994 14:55 (EDT) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 05/25/1994 13:14 (CDT) |
| Reactor Type: [1] GE-4            |           | Last Modification: 07/22/1994                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: DAVE KUSER       |           | Notifications: DALE POWERS RDO                   |   |
| HQ Ops Officer: JOSEPH SEBROSKY   |           | ROBERT DENNING EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | BOB CALDWELL FEMA                                |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 93         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO BOTH EDGs BEING DECLARED INOPERABLE.

THE FOLLOWING IS A TEXT OF A FACSIMILE FROM THE LICENSEE:

"ON MAY 25, 1994 AT 1:14 PM A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED WHEN BOTH DIESEL GENERATORS WERE DECLARED INOPERABLE DUE TO THE SURVEILLANCE TEST CONDUCTED EACH REFUELING OUTAGE NOT VERIFYING THE LOAD SHEDDING OF ALL LOADS ON THE CRITICAL 480 VOLT BUS. PROPER LOAD SHEDDING OF ALL 4160 VOLT LOADS IS VERIFIED DURING THE SEQUENTIAL LOADING TEST.

THE PRINCIPAL 480 VOLT LOADS NOT VERIFIED TO BE SHED INCLUDE STATION AIR COMPRESSORS AND THE CRD PUMPS. THESE COMPONENTS ARE TRANSFERRED TO ANOTHER BUS DURING THE SURVEILLANCE TEST. INDIVIDUALLY, THE REMAINING LOADS ON THE CRITICAL 480 VOLT BUS ARE SMALL.

IN ACCORDANCE WITH TECHNICAL SPECIFICATION REQUIREMENTS IN SECTION 3.5.F.2, A LOAD REDUCTION TO 25 PERCENT POWER WAS INITIATED. AN ENGINEERING EVALUATION OF THE CONDITION IS ONGOING. A FOLLOW-UP NOTIFICATION WILL BE MADE WHEN SUCH INFORMATION IS AVAILABLE." END OF TEXT.

THE LICENSEE IS REDUCING POWER AT 100 MW(e) PER HOUR. THE LICENSEE CONSIDERS THE EDGs AVAILABLE. ALL ECCS AND RCIC ARE OPERABLE. THE WEATHER IN THE AREA IS CALM WITH NO FORECAST OF RAIN. THE PROBLEM WAS DISCOVERED DURING REVIEW OF UNDERVOLTAGE TESTING. THE LAST REFUELING OUTAGE ENDED IN JULY, 1993. THE LICENSEE IS INVESTIGATING CORRECTIVE ACTIONS AND IS PURSUING ENFORCEMENT DISCRETION WITH THE NRC TO STOP THE POWER DESCENSION.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND HAS INFORMED LOCAL AND STATE OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

Power Reactor

Event # 27295

\*\*\* UPDATE AT 2240 ON 5/25/94 FROM CAUL TAKEN BY SEBROSKY \*\*\*

THE REACTOR IS CURRENTLY AT 24% POWER AND THE LICENSEE PLANS TO SCRAM THE PLANT AT 2200 CDT PER THEIR NORMAL SHUTDOWN PROCEDURES. THE SHUTDOWN IS BEING DONE DUE TO BOTH EDGS BEING DECLARED INOPERABLE. THE LICENSEE WILL EXIT THE UNUSUAL EVENT WHEN THE PLANT REACHES COLD SHUTDOWN CONDITIONS. COLD SHUTDOWN IS EXPECTED TO BE REACHED ON 5/26/94. THE LICENSEE HAS BEEN IN CONTACT WITH REGION 4 OFFICIALS CONCERNING THE SHUTDOWN AND HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R4DO (POWERS) AND EO (VARGA).

\*\*\* UPDATE AT 0106 ON 5/27/94 FROM HITZEL TAKEN BY WEAVER \*\*\*

THE PLANT REACHED COLD SHUTDOWN AT 2357 CDT ON 5/26/94. THIS SATISFIES THE TECHNICAL SPECIFICATION ACTION STATEMENT FOR HAVING BOTH EMERGENCY DIESELS INOPERABLE. CONTRARY TO THE LAST UPDATE, THE UNUSUAL EVENT WILL NOT BE TERMINATED UNTIL AT LEAST ONE EDG IS MADE OPERABLE AS REQUIRED BY THEIR EMERGENCY PROCEDURES. NO TIME ESTIMATE WAS AVAILABLE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AS WELL AS STATE AND LOCAL GOVERNMENTS. HOO NOTIFIED R4DO (POWERS) AND EO (CHAFFEE).

\*\*\* UPDATE AT 1400 ON 5/27/94 FROM KUSER TAKEN BY SANDIN \*\*\*

THE CONTINUING INVESTIGATION HAS REVEALED THAT LOAD SHEDDING OF THE SERVICE WATER PUMPS, 4160 VOLT LOADS, IS NOT VERIFIED DURING THE SEQUENTIAL LOADING TEST. LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R4DO (POWERS).

\*\*\* UPDATE AT 1734 ON 6/11/94 FROM HITZEL TAKEN BY KARSCH \*\*\*

THE FOLLOWING NOTIFICATION WAS MADE PURSUANT TO 10CFR50.72(b)(2)iiiD:

"AS AN ELEMENT OF THE INVESTIGATION INTO THIS CONDITION, AN EVALUATION OF CONTACT TEST REQUIREMENTS NECESSARY TO SATISFY LOGIC SYSTEM FUNCTIONAL TESTING REQUIREMENTS SPECIFIED IN TECHNICAL SPECIFICATIONS FOR SAFETY RELATED SYSTEMS WAS PERFORMED. THIS EVALUATION REVEALED A NUMBER OF CONTACTS NOT VERIFIED BY SURVEILLANCE PROCEDURES. EACH CONTACT NOT TESTED WAS EVALUATED TO DETERMINE IF FAILURE TO ASSURE ITS OPERABILITY JEOPARDIZED COMPLIANCE WITH THE LOGIC SYSTEM FUNCTIONAL TEST DEFINITION SPECIFIED IN SECTION 1.0 OF THE TECH SPECS.

AT 1430 CDT ON 6/11/94, THE SYSTEMS IDENTIFIED BELOW WERE DECLARED INOPERABLE DUE TO THE SURVEILLANCE TEST DEFICIENCY.

|                    |                           |
|--------------------|---------------------------|
| SERVICE WATER      | REACTOR EQUIPMENT COOLING |
| 4160 VAC BUS 1F    | 4160 VAC BUS 1G           |
| DIESEL GENERATOR 1 | DIESEL GENERATOR 2        |

PROCEDURE CHANGES AND SPECIAL PROCEDURES ARE BEING DEVELOPED AND CONDUCTED TO ASSURE OPERABILITY OF THE LOGIC SYSTEMS. WHILE TECHNICALLY INOPERABLE, AND NOT REQUIRED TO BE OPERABLE UNDER THE PRESENT PLANT CONDITIONS, THE SYSTEMS ARE FUNCTIONAL AND AVAILABLE. THE ASSOCIATED SYSTEMS WILL NOT BE DECLARED OPERABLE UNTIL SATISFACTORY COMPLETION OF THE TESTS AND VERIFICATION OF THE RESULTS."

THE LICENSEE HOPES TO COMPLETE TESTING ON ONE DIVISION'S EDG BY 6/13/94.

AT THAT TIME THEY SHOULD BE ABLE TO EXIT THEIR UNUSUAL EVENT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R4DO (SANBORN).

\*\*\* UPDATE AT 1555 ON 06/14/94 BY HITZEL TAKEN BY ANDREWS \*\*\*

THE FOLLOWING INFORMATION WAS PROVIDED BY THE LICENSEE VIA FAX/PHONE:

THIS IS THE SECOND FOLLOWUP NOTIFICATION TO THE NOTIFICATION MADE ON 5/25/94 @ 1314 CDT. AT THAT TIME, AN UNUSUAL EVENT HAD BEEN DECLARED WHEN BOTH DIESEL GENERATORS WERE DECLARED INOPERABLE DUE TO THE SURVEILLANCE TEST, CONDUCTED EACH REFUELING OUTAGE, NOT VERIFYING THE LOAD SHEDDING OF ALL LOADS ON THE CRITICAL 4160 AND 480 VOLT BUSES.

Power Reactor

Event # 27295

INVESTIGATION REVEALED THAT LOAD SHEDDING OF THE SERVICE WATER BOOSTER PUMPS, 4160 LOADS, IS NOT VERIFIED DURING THE SEQUENTIAL LOADING TEST. LOAD SHEDDING OF ALL OTHER 4160 VOLT LOADS IS VERIFIED. THE PRINCIPLE 480 VOLT LOADS NOT VERIFIED TO BE SHED INCLUDE STATION AIR COMPRESSORS AND THE CRD PUMPS. THESE COMPONENTS HAD BEEN TRANSFERRED TO ANOTHER BUS DURING THE SURVEILLANCE TEST. INDIVIDUALLY, THE REMAINING LOADS ON THE CRITICAL 480 BUS ARE SMALL.

ON 6/11/94, NPPD REPORTED IN A FOLLOWUP NOTIFICATION THAT AS AN ELEMENT OF THE INVESTIGATION INTO THIS CONDITION, AN EVALUATION OF CONTACT TEST REQUIREMENTS NECESSARY TO SATISFY LOGIC SYSTEM FUNCTIONAL TESTING REQUIREMENTS SPECIFIED IN THE TECHNICAL SPECIFICATIONS FOR SAFETY-RELATED SYSTEMS WAS PERFORMED. THIS EVALUATION REVEALED A NUMBER OF CONTACTS NOT VERIFIED BY SURVEILLANCE PROCEDURES. IN RESPONSE TO THIS DETERMINATION, SEVERAL SPECIAL TEST PROCEDURES WERE DEVELOPED & A NUMBER OF SURVEILLANCE TESTS WERE UPDATED TO TEST & VERIFY OPERABILITY OF THE CONTACTS & RELATED RELAYS. TESTING USING THESE PROCEDURES COMMENCED DURING THE WEEK OF 6/5/94.

AT APPROXIMATELY 1100 CDT ON 6/14/94, DURING TESTING OF DIVISION 1 BREAKERS DESIGNED TO LOAD SHED ON A LOSS OF POWER, TWO 480 VAC BREAKERS FAILED TO TRIP AS REQUIRED. BOTH BREAKERS ARE DESIGNED TO TRIP IN LESS THAN 8.5 SECONDS. ONE BREAKER WHICH SUPPLIES POWER TO THE 1A SERVICE AIR COMPRESSOR TRIPPED APPROXIMATELY 100 SECONDS AFTER THE LOSS OF VOLTAGE CONDITION WAS IMPOSED. THE OTHER BREAKER WHICH SUPPLIES POWER TO VARIOUS LOADS ASSOCIATED WITH THE OFF-GAS SYSTEM NEVER TRIPPED. CALCULATIONS SHOW THAT THE ADDITIONAL LOADS WOULD HAVE RESULTED IN DIESEL GENERATOR LOADING OUTSIDE THE BOUNDARY OF THE CURRENTLY APPROVED DIESEL GENERATOR LOAD CALCULATIONS, RESULTING IN THE UNIT BEING OVERLOADED BY APPROXIMATELY 0.3%. THOUGH SLIGHTLY OVERLOADED, THROUGH THE USE OF ENGINEERING JUDGMENT, THE CONCLUSION HAS BEEN REACHED THAT THE DIESEL GENERATOR WOULD HAVE REMAINED FUNCTIONAL WITH NO IMPACT ON ITS DESIGN FUNCTION.

TO ENSURE FUNCTIONALITY WITHIN THE CURRENT CALCULATED LOAD LIMITS, 480 VAC BREAKER 0G1 WAS OPENED & TAGGED. TESTING OF THE REMAINING CONTACTS & RELAYS ASSOCIATED WITH THE 4160 & 480 VAC UNDERVOLTAGE CONTACTS IS CONTINUING.

AT APPROXIMATELY 1430 CDT ON 6/14/94, DURING TESTING OF THE 480 VOLT "G" SWITCHGEAR (DIVISION 2), THE BREAKERS FOR MCC-V AND MCC-MR FAILED TO MEET TEST REQUIREMENTS. THE FUNCTIONALITY OF 480 VOLT "G" SWITCHGEAR AND DIESEL GENERATOR #2 HAS BEEN VERIFIED BY ADDING THE MCC LOADS TO THE CURRENT LOAD CALCULATIONS. THE DIESEL AND 480 VOLT "G" SWITCHGEAR ARE NOT OVERLOADED AND REMAIN FUNCTIONAL.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R4DO (YANDELL), EO (GRIMES).

\*\*\* UPDATE AT 0047 ON 7/22/94 BY HAKENEWERTH TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2330 CDT ON 7/21/94 WHEN THE #1 EDG WAS DECLARED OPERABLE. HOO NOTIFIED R4DO JOHNSON, EO CHAFFEE, FEMA DAMICO.

\*\*\*\*\*

Power Reactor

Event # 27306

|                                     |            |            |            |  |            |                 |
|-------------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: BRAIDWOOD                     |            |            |            | Notification Date / Time: 05/26/1994 19:28 (EDT) |            |                 |
| Unit: 2                             | Region: 3  | State : IL |            | Event Date / Time: 05/26/1994 17:33 (CDT)        |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |            |            | Last Modification: 05/26/1994                    |            |                 |
| Containment Type: DRY AMB           |            |            |            |  |            |                 |
| NRC Notified by: YURKOVICH          |            |            |            | Notifications: JOHN MADERA RDO                   |            |                 |
| HQ Ops Officer: STEVE SANDIN        |            |            |            | JOSE CALVO EO                                    |            |                 |
| Emergency Class: UNUSUAL EVENT      |            |            |            | BELCHER FEMA                                     |            |                 |
| 10 CFR Section:                     |            |            |            | BROCKMAN IRB                                     |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |            |            |  |            |                 |
| Unit                                | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                   | N          | No         | 0          | Hot Standby                                      | 0          | Hot Standby     |

UNIT 2 DECLARED AN UNUSUAL EVENT DUE TO SUSPECTED PRESSURIZER POWER OPERATED RELIEF VALVE (PORV) LEAKAGE > 25 GPM.

AT 1657CDT, OPERATORS OBSERVED A DECREASE IN PRESSURIZER AND VOLUME CONTROL TANK LEVEL INDICATIONS AND AN INCREASE IN THE PRESSURIZER RELIEF TANK LEVEL AND TEMPERATURE INDICATIONS. AN UNUSUAL EVENT WAS DECLARED AT 1733CDT AND THE UNIT 2 EMERGENCY PROCEDURE FOR EXCESSIVE PRIMARY PLANT LEAKAGE ENTERED. THE INITIAL LEAKAGE WAS ESTIMATED AT 75 GPM. OPERATORS SUSPECTING THAT ONE OF THE PORVs WAS LEAKING, SHUT THE ASSOCIATED BLOCK VALVE. AN INSPECTION INSIDE CONTAINMENT IS UNDERWAY TO CONFIRM THAT THE RCS LEAK HAS BEEN ISOLATED. THE CURRENT PRESSURIZER LEVEL IS 30% AND STABLE WITH THE RCS AT NOP/NOT. THE LOWEST PRESSURIZER LEVEL RECORDED WAS 23%. ALL SAFETY-RELATED EQUIPMENT IS AVAILABLE. THE LICENSEE WILL MAINTAIN UNIT 2 IN MODE 3 WHILE INVESTIGATING THE SOURCE OF THE RCS LEAKAGE. THE LICENSEE INFORMED THE ILLINOIS DEPT. OF NUCLEAR SAFETY, ILLINOIS EMERGENCY MANAGEMENT AGENCY AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 2035EDT 5/26/94 FROM YURKOVICH TO S.SANDIN \*\*\*

AN INSPECTION INSIDE CONTAINMENT VERIFIED THAT THE RCS LEAKAGE WAS NOT FROM THE PORV AS PREVIOUSLY REPORTED. THE CURRENT LEAKAGE IS ESTIMATED AT 58 GPM. THE LICENSEE IS CONTINUING EFFORTS TO IDENTIFY AND ISOLATE THE SOURCE OF THE RCS LEAKAGE TO THE PRT COLLECTION HEADER. THE LICENSEE HAS INSERTED ALL SHUTDOWN BANKS AND IS MAKING PREPARATIONS TO COOLDOWN, IF NECESSARY. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO(MADERA), EO(CALVO), IRB(BROCKMAN) AND AEOD(JORDAN).

\*\*\* UPDATE 2127EDT 5/26/94 FROM YURKOVICH TO S.SANDIN \*\*\*

THE SOURCE OF THE RCS LEAKAGE HAS BEEN IDENTIFIED AS THE 1/2 INCH "2-RC-8003C" VALVE LEAK OFF LINE FROM RC LOOP "2C" BYPASS LINE. OPERATORS CLOSED THE BREAKER FOR THE MOV AND OPENED THE VALVE FROM THE CONTROL BOARD. INSIDE CONTAINMENT, THE VALVE WAS MANUALLY

Power Reactor

Event # 27306

BACKSEATED WHICH ISOLATED THE RCS LEAK. THIS WAS CONFIRMED BY AN INCREASING PRESSURIZER LEVEL. PRT PRESSURE WAS MAINTAINED BETWEEN 30 AND 50 PSIG (RUPTURE DISK RELIEVES AT 100 PSIG) DURING THIS EVENT. MAINTENANCE IS CURRENTLY EVALUATING WHETHER REPAIRS CAN BE PERFORMED IN THE CURRENT MODE. THE LICENSEE ANTICIPATES TERMINATING THE UNUSUAL EVENT SHORTLY. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R3D0(MADERA) AND EO(CALVO).

\*\*\* UPDATE 2234EDT 5/26/94 FROM YURKOVICH TO S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2058CDT BASED UPON THE RCS LEAK BEING ISOLATED AND THE PLANT STABILIZED. A MEETING IS IN PROGRESS TO DETERMINE IF THE UNIT WILL REMAIN IN MODE 3 FOR REPAIRS. THE LICENSEE INFORMED OUTSIDE STATE AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R3D0(MADERA), EO(CALVO) AND FEMA(WITSBERGER).

HOONOTE: BRAIDWOOD HAS IMPLEMENTED THE NUMARC EALs EFFECTIVE DEC 1993 WHICH DOES NOT RECOMMEND AN ALERT DECLARATION AT 50 GPM RCS LEAKAGE (NUREG-0654).

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Power Reactor

Event # 27334

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: NORTH ANNA                    |            |           |            | Notification Date / Time: 06/01/1994 22:01 (EDT) |            |   |
| Unit: 2                             |            | Region: 2 |            | State : VA                                       |            | Event Date / Time: 06/01/1994 21:21 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |            |           |            | Last Modification: 06/02/1994                    |            |   |
| Containment Type: DRY SUB           |            |           |            |  |            |   |
| NRC Notified by: VALECRUZ           |            |           |            | Notifications: JOHN POTTER RDO                   |            |   |
| HQ Ops Officer: CHAUNCEY GOULD      |            |           |            | ELINOR ADENSAM EO                                |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | SULLIVAN FEMA                                    |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| TECH SPEC LCO A/S                   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby                               |

THE PLANT ENTERED AN NOUE WHEN THEY DETERMINED THAT THEY A REACTOR COOLANT PUMP SEAL INJECTION LINE PRESSURE BOUNDARY LEAKAGE GREATER THAN TS ALLOWS.

THE PLANT HAD A SUDDEN DEVELOPMENT OF RCP SEAL INJECTION LINE PRESSURE BOUNDARY LEAKAGE WHICH STARTED 6/1/94 @ 11:30. THE MEASURED LEAK RATE IS 0.7 GPM(TS ALLOWS O LEAKAGE) AND THE VOLUME OF LEAKAGE HAS BEEN 420 GALS. THE PRIMARY ACTIVITY IS  $4.09 \times 10^{-3}$  MICROCURIES/ML AND SECONDARY ACTIVITY IS  $5.8 \times 10^{-6}$  MICROCURIES/ML. THE SAFETY EQUIPMENT THAT IS TAGGED OUT ON UNIT 2 IS THE "1A" RHR PUMP(THEY ARE WORKING ON IT IN PREPARATION FOR COOLDOWN) AND THE "1A" CHARGING PUMP. THE UNIT 2 "1B" RHR PUMP ALONG WITH THE "1B" & "1C" CHARGING PUMPS ARE OPERABLE. WITH THIS PRESSURE BOUNDARY LEAKAGE THEY ENTERED A LCO ACTION STATEMENT THAT GIVES THEM 4 HRS TO FIX OR 6 HRS TO HOT S/B AND 30 HRS TO COLD S/D. THE NOUE WILL BE TERMINATED WHEN THEY REACH COLD S/D. THE RI WAS INFORMED ALONG WITH THE STATE AND LOCAL AGENCIES.

\*\*\* UPDATE 6/2/94 04:45 DURING STATUS FROM PELLA TAKEN BY SEBROSKY \*\*\*  
THE FOLLOWING IS A CLARIFICATION OF THE REPORT:

AT THE TIME THE LEAKAGE WAS FOUND THE LICENSEE DECIDED TO COMMENCE A SHUTDOWN FROM 100% POWER TO MAKE REPAIRS EVEN THOUGH THE LEAKAGE RATE WAS LESS THAN THE TECHNICAL SPECIFICATION LIMIT. AT THE TIME OF THE SHUTDOWN THE LICENSEE HAD NOT IDENTIFIED THE LEAKAGE AS PRESSURE BOUNDARY LEAKAGE.

AFTER THE PLANT WAS SHUTDOWN A CONTAINMENT ENTRY WAS MADE AND IT WAS DETERMINED THAT THE LEAKAGE WAS PRESSURE BOUNDARY LEAKAGE, BECAUSE THE LEAK WAS PRESSURE BOUNDARY LEAKAGE IT MET THE DEFINITION FOR AN UNUSUAL EVENT.

\*\*\* UPDATE 6/2/94 09:46 FROM BUTLER TAKEN BY SEBROSKY \*\*\*  
THE UNUSUAL EVENT WAS TERMINATED AT 09:43 WHEN THE PLANT ENTERED COLD SHUTDOWN

05/19/2005

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Power Reactor

Event # 27334

CONDITIONS. THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR.

HOO NOTIFIED R2DO(POTTER), EO(DENNING) AND FEMA (CANUPP).

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Power Reactor

Event # 27387

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: GINNA                            |            | Notification Date / Time: 06/13/1994 11:51 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 1  | State : NY                                       | Event Date / Time: 06/13/1994 11:15 (EDT) |                 |            |                 |
| Reactor Type: [1] W-2-LP               |            | Last Modification: 06/13/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: RUSSELL W. LINGL      |            | Notifications: GENE KELLY RDO                    |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS         |            | ROBERT DENNING EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | JIM MUSE FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 97  | Power Operation | 97         | Power Operation |

LICENSEE INITIATED A PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS 3.3.1.1.C AND 3.3.1.4 DUE TO LOSS OF ENGINEERED SAFETY FEATURE FOR EMERGENCY CORE COOLING SYSTEM AT 1115 EDT ON 06/13/94. THIS CONDITION REQUIRES A DECLARATION OF UNUSUAL EVENT. THE UNUSUAL EVENT WAS DECLARED AT 1115 EDT.

ON FRIDAY, 06/10/94, AT 1349 EDT, THE "B" SAFETY INJECTION PUMP WAS DECLARED INOPERABLE DUE TO SPARKS OBSERVED COMING OUT OF THE MOTOR. THE 72 HOUR LIMITING CONDITION FOR OPERATION TIME EXPIRES TODAY AT 1349 EDT. THE MOTOR HAS BEEN TRANSPORTED OFFSITE FOR REPAIRS.

A NORMAL REACTOR SHUTDOWN TO LESS THAN 350 DEGREES F REACTOR COOLANT SYSTEM TEMPERATURE WAS INITIATED AT APPROXIMATELY 1115 EDT TO MEET THE LIMITING CONDITION FOR OPERATION TIME LIMITS IN AN ORDERLY FASHION. UPON REACHING 350 DEGREES, THE LICENSEE PLANS ON TERMINATING THE UNUSUAL EVENT.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS BEING PREPARED.

\*\*\*\* UPDATE BY EVERETT AT 2209 EDT ON 06/13/94 TAKEN BY ANDREWS \*\*\*\*

THE LICENSEE HAS TERMINATED THE UNUSUAL EVENT AT 2159 EDT UPON ENTERING MODE 4 AND COOLING THE REACTOR COOLANT SYSTEM TO 350 DEGREES WHERE THE ACTION STATEMENT NO LONGER APPLIES.

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR. STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.

HOO NOTIFIED R1DO (KELLY), EO (GRIMES), FEMA (SHULL).

\*\*\*\*\*

Power Reactor

Event # 27397

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: OCONEE   |            | Notification Date / Time: 06/15/1994 03:14 (EDT) |   |                 |            |                 |
| Unit: 1  | Region: 2  | State : SC                                       | Event Date / Time: 06/15/1994 03:00 (EDT) |                 |            |                 |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |            | Last Modification: 06/15/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB                            |            |  |   |                 |            |                 |
| NRC Notified by: BLUFORD JONES                       |            | Notifications: FRANCIS JAPE RDO                  |   |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN                         |            | BRIAN GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT                       |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                                      |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |            |  |   |                 |            |                 |
| Unit   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1  | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

UNIT 1 DECLARED AN UNUSUAL EVENT DUE TO A TURBINE LUBE OIL FIRE LASTING >10 MINUTES.

AT 0140EDT A NON-LICENSED OPERATOR (NLO) MAKING ROUNDS IN THE TURBINE BUILDING OBSERVED SMOLDERING LAGGING ON APPROXIMATELY 10 FT OF STEAM SEAL HEADER PIPING LOCATED DIRECTLY BENEATH THE TURBINE. OPERATORS WERE IN THE PROCESS OF ESTABLISHING A VACUUM IN THE CONDENSER FOR RESTART. THE NLO REPORTED TO THE CONTROL ROOM THAT HE HAD OBSERVED SMOKE AND VISIBLE FLAMES, PRIOR TO THE PLANT FIRE BRIGADE USING HAND HELD DRY CHEMICAL FIRE EXTINGUISHERS TO PUT OUT THE FIRE. ALSO, CONDENSER VACUUM WAS BROKEN AND THE TURBINE LUBE OIL SYSTEM SECURED. BETWEEN 0140EDT AND 0300EDT THE FIRE REFLASHED APPROXIMATELY SIX TIMES. AS A RESULT OF THE NUMEROUS REFLASHES, THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0300EDT. NO OFFSITE ASSISTANCE WAS REQUESTED. ACCESS TO THE TURBINE BUILDING WAS NOT AFFECTED AND THERE ARE NO DELUGE SYSTEMS IN THE VICINITY OF THE FIRE WHICH WOULD HAVE ACTUATED. THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT AFTER THE OIL SOAKED LAGGING HAS BEEN REMOVED AND THE FIRE DAMAGE ASSESSED. THE IMPACT ON RESTART IS NOT KNOWN AT THIS TIME. THE LICENSEE INFORMED STATE AND COUNTY AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 0441EDT 6/15/94 FROM JONES BY S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0436EDT BASED ON NO REFLASH OR SMOLDERING FOR PAST HALF HOUR WITH NO WATER APPLIED. THE LICENSEE WILL INFORM STATE AND COUNTY AGENCIES AND HAS INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R2DO(JAPE), EO(GRIMES), AND FEMA(WITSBERGER).

\*\*\*\*\*

Power Reactor

Event # 27406

|                                     |  |           |  |  |  |   |
|-------------------------------------|--|-----------|--|--|--|---|
| Site: NORTH ANNA                    |  |           |  | Notification Date / Time: 06/16/1994 15:59 (EDT) |  |   |
| Unit: 1 2                           |  | Region: 2 |  | State : VA                                       |  | Event Date / Time: 06/16/1994 15:26 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |  |           |  | Last Modification: 06/16/1994                    |  |   |
| Containment Type: DRY SUB DRY SUB   |  |           |  |  |  |   |
| NRC Notified by: MIKE BRITT         |  |           |  | Notifications: FRANCIS JAPE                      |  | RDO                                       |
| HQ Ops Officer: WILLIAM HUFFMAN     |  |           |  | CHRIS GRIMES                                     |  | EO  |
| Emergency Class: UNUSUAL EVENT      |  |           |  | LOUZONIS   |  | FEMA                                      |
| 10 CFR Section:                     |  |           |  |  |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DUE TO LOSS OF METEOROLOGICAL TOWER DATA.

DUE TO THUNDERSTORM ACTIVITY IN THE VICINITY OF THE PLANT, POWER TO THE PRIMARY METEOROLOGICAL TOWER WAS LOST FOLLOWING A LIGHTNING STRIKE. BACKUP MET DATA EXISTS FOR ALL INDICATIONS AND IS AVAILABLE EXCEPT FOR WIND SPEED. (BACKUP WIND SPEED INDICATION WAS ALSO APPARENTLY LOST DURING THE LIGHTNING STRIKE). WITHOUT WIND SPEED INDICATION, THE LICENSEE HAS LESS THAN THE REQUIRED INSTRUMENTATION FOR OFFSITE DOSE CALCULATIONS. PER LICENSEE EPIP's, THIS PLACES THEM IN AN UNUSUAL EVENT.

EFFORTS TO RESTORE THE MET TOWER POWER AND WIND SPEED INDICATIONS ARE IN PROGRESS. REGIONAL WEATHER DATA ON WIND SPEED SHALL BE USED, IF REQUIRED, IN THE INTERIM. THE LICENSEE NOTES THAT POWER TO THE LOCAL EOF HAS ALSO BEEN LOST. THE CORPORATE EOF HAS BEEN DESIGNATED AS THE PRIMARY EOF UNTIL POWER IS RESTORED TO THE LOCAL FACILITY.

THE NRC RESIDENT, STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED.

\*\*\* UPDATE FROM BRITT TO HUFFMAN AT 17:04 EST ON 6/16/94 \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 16:56 EST WHEN THE BACKUP WIND SPEED INDICATION WAS RETURNED TO SERVICE. R2DO(JAPE), EO(THOMAS), AND FEMA(LOUZONIS) NOTIFIED.

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Power Reactor

Event # 27414

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 06/19/1994 17:11 (EDT) |   |
| Unit: 2                           | Region: 2 | State : NC                                       | Event Date / Time: 06/19/1994 15:57 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 06/19/1994                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: WOODBURY         |           | Notifications: FRANCIS JAPE RDO                  |   |
| HQ Ops Officer: WILLIAM HUFFMAN   |           | CECIL THOMAS EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | LOUZONIS FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DUE TO LOSS OF AUDIO INDICATION FROM ANNUNCIATORS IN THE CONTROL ROOM.

THE FOLLOWING IS THE TEXT OF A FACSIMILE REPORTING THIS EVENT:

"ON 6/19/94 AT 1557 WHILE UNIT 2 WAS IN COLD SHUTDOWN, AN ANNUNCIATOR RELAY CAUGHT FIRE. THE FIRE WAS EXTINGUISHED. THE LOSS OF THE RELAY CAUSED A LOSS OF ALL AUDIBLE ANNUNCIATORS IN THE CONTROL ROOM. AT 1612, THE UNIT ENTERED AN UNUSUAL EVENT DUE TO THE LOSS OF AUDIBLE ANNUNCIATORS FOR GREATER THAN 15 MINUTES.

THE PLANT IS IN COLD SHUTDOWN AND PARAMETERS ARE BEING MONITORED WITH ADDITIONAL PERSONNEL IN THE CONTROL ROOM. VISIBLE ANNUNCIATION IS STILL AVAILABLE.

A FUSE WAS FOUND TO BE BLOWN. (THE AFFECTED) RELAY WAS PART OF THE ANNUNCIATOR RING BACK CIRCUITRY AND IS NOT RELIED UPON. THE RELAY WAS ELECTRICALLY ISOLATED AND THE BLOWN FUSE WAS REPLACED.

THE AUDIBLE ANNUNCIATION WAS RESTORED AND THE UNUSUAL EVENT TERMINATED AT 1654." END OF TEXT.

THE LICENSEE STATES THAT INDICATION OF A PROBLEM WAS FIRST DETERMINED BY A BURNING SMELL IN THE CONTROL ROOM. A SEARCH OF CABINETS FOUND THE "BURNING" RELAY AND A DRY CHEMICAL EXTINGUISHER WAS USED ON IT. WITHIN SEVERAL MINUTES OF THIS INITIAL EVENT IT WAS NOTED THAT ANNUNCIATORS WERE NOT PROVIDING AN AUDIBLE ALARM WHEN THEY CAME IN. IT WAS QUICKLY DETERMINED THAT A FUSE TO THE POWER SUPPLY ASSOCIATED WITH THE AUDIBLE ALARM CIRCUITRY HAD BEEN BLOWN. ADDITIONAL PERSONNEL WERE STATIONED IN THE CONTROL ROOM TO OBSERVE FOR ANY ANNUNCIATORS WHICH MIGHT COME IN WHILE REPAIRS WERE IN PROGRESS.

INVESTIGATION FOUND NO DAMAGE TO ANY OTHER ELECTRICAL CIRCUITRY IN THE CABINET FROM

Power Reactor

Event # 27414

THE FAULTED RELAY. THE RELAY WAS ELECTRICALLY ISOLATED AND THE POWER SUPPLY FUSE REPLACE AND POWER TO THE AUDIO ANNUNCIATION CIRCUITRY RESTORED. THE FAULTED RELAY HAS NOT YET BEEN REPLACED AND ITS FUNCTION, WHICH IS TO PROVIDE AN AUDIBLE SIGNAL WHEN AN ANNUNCIATOR HAS CLEARED, WAS LEFT UNESCORTED.

THE LICENSEE STATES THAT THE AUDIO PORTION OF THEIR RELAY ANNUNCIATION CIRCUITRY IS APPARENTLY POWERED BY ONLY ONE POWER SUPPLY.

THE NRC RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES WERE NOTIFIED OF THE EVENT.

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Power Reactor

Event # 27427

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 06/22/1994 05:56 (EDT) |   |
| Unit: 1 2                           | Region: 4 | State : CA                                       | Event Date / Time: 06/22/1994 02:40 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 06/22/1994                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: RAAB               |           | Notifications: THOMAS WESTERMAN RDO              |   |
| HQ Ops Officer: THOMAS ANDREWS      |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT      |           | CARR FEMA  |   |
| 10 CFR Section:                     |           | WING   |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AT 0240 PDT DUE TO A GRASS FIRE OUTSIDE THE PROTECTED AREA.

THE FIRE IS APPROXIMATELY 1/3 MILE SOUTHEAST FROM THE PROTECTED AREA. IT IS MOVING IN A GENERAL DIRECTION TOWARDS THE NORTH EAST. THE WINDS ARE LIGHT AND THE DIRECTION IS VARIABLE. THE FIRE IS MOVING ABOUT 2 MILES PER HOUR. THE FIRST ANTICIPATED THREAT TO THE SITE WOULD BE TO THE UNIT 2 - 500 KV LINES. THE FIRE IS ABOUT 1/4 MILE FROM THESE LINES. THE FIRE IS GENERATING A LARGE AMOUNT OF SMOKE.

THERE ARE NO EQUIPMENT PROBLEMS AT THE PLANT. THE OFFSITE POWER IS PRESENTLY STABLE.

THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE WHEN THE FIRE IS EITHER OUT OR NO LONGER POSING A THREAT TO THE PLANT.

THE LICENSEE HAS NOTIFIED THE CALIFORNIA DEPARTMENT OF FORESTRY, THE STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS EXPECTED.

\*\*\*\* UPDATE AT 0643 EDT ON 06/24/94 BY RAAB TAKEN BY ANDREWS \*\*\*\*

THE LICENSEE INDICATED THAT THE THREAT TO THE 500 KV LINES IS SMALL. THIS IS BASED ON THE SIZE AND LOCATION OF THE FIRE. CALIFORNIA DEPARTMENT OF FORESTRY IS ONSITE WITH FIRE ENGINES AND BULLDOZERS.

HOO NOTIFIED R4D0 (WESTERMAN), EO (CHAFFEE).

\*\*\*\* UPDATE AT 0750 EDT ON 06/24/94 BY RAAB TAKEN BY ANDREWS \*\*\*\*

THE LICENSEE STATED THAT THE FIRE HAS BEEN CONTAINED. IT IS NOT OUT. THE WIND AND WEATHER CONDITIONS ARE SUCH THAT THE FIRE IS NOW MOVING AWAY FROM THE PLANT. THE THREAT TO THE PLANT IS DIMINISHING.

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Power Reactor  
HOO NOTIFIED R4D0 (WESTERMAN), EO (CHAFFEE).

Event # 27427

\*\*\*\* UPDATE AT 0820 EDT ON 06/22/94 BY RAAB TAKEN BY ANDREWS \*\*\*\*  
LICENSEE TERMINATED THE UNUSUAL EVENT AT 0515 PDT. THE FIRE IS OUT.  
HOO NOTIFIED R4DO (WESTERMAN), EO (CHAFFEE), FEMA (SHULL)

\*\*\*\*\*

Power Reactor

Event # 27466

|                                   |           |  |  |
|-----------------------------------|-----------|--|--|
| Site: QUAD CITIES                 |           | Notification Date / Time: 06/29/1994 20:35 (EDT) |  |
| Unit: 2                           | Region: 3 | Event Date / Time: 06/29/1994 19:11 (CDT)        |  |
| Reactor Type: [1] GE-3,[2] GE-3   |           | Last Modification: 06/29/1994                    |  |
| Containment Type: MARK I          |           |  |  |
| NRC Notified by: TIM SCHORES      |           | Notifications: RONALD GARDNER RDO                |  |
| HQ Ops Officer: WILLIAM HUFFMAN   |           | BRIAN SHERON EO                                  |  |
| Emergency Class: UNUSUAL EVENT    |           | DAN SULLIVAN FEMA                                |  |
| 10 CFR Section:                   |           |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO "PLANNED" LOSS OF OFFSITE POWER.

DURING RECENT OPERATION, GAS BUBBLES WERE OBSERVED IN THE UNIT 2 RESERVE AUXILIARY TRANSFORMER (RAT 22) INDICATIVE OF SOME KIND OF ELECTRICAL PROBLEM DEVELOPING. EARLIER TODAY, THE LICENSEE SHUTDOWN TO INVESTIGATE THE SITUATION AND MAKE ANY NECESSARY REPAIRS TO THE RAT.

WITH THE UNIT IN COLD SHUTDOWN, THE DECISION WAS MADE TO GO AHEAD AND DE-ENERGIZE THE RAT TO PREVENT ANY POSSIBILITY OF DAMAGE TO THE TRANSFORMER'S WINDINGS. AS PART OF A PROCEDURALLY APPROVED AND CONTROLLED EVOLUTION, ELECTRICAL POWER TO THE UNIT 2 EMERGENCY BUSES WAS CROSS-TIED TO UNIT 1. NON-CLASS 1E, UNIT 2, BUSES WERE BACKFED THROUGH THE UNIT 2 EMERGENCY BUSES (EXCEPT BUSES 21 AND 22 WHICH CAN NOT BE BACKFED; THESE BUSES ARE ONLY USED TO POWER THE REACTOR FEED PUMPS AND RECIRC PUMPS AND ARE NOT REQUIRED IN COLD SHUTDOWN). ALL NECESSARY POWER TO THE UNIT 2 WAS PROVIDED VIA THE UNIT 1 CROSS-TIES. THE RAT WAS THEN DE-ENERGIZED, WHICH, IN ACCORDANCE WITH THE LICENSEE'S EMERGENCY ACTION LEVEL PROCEDURES, PLACES THEM INTO AN UNUSUAL EVENT CLASSIFICATION DUE TO LOSS OF OFFSITE POWER FOR > FIFTEEN MINUTES.

BOTH UNIT 1 AND UNIT 2 POWER IS CURRENTLY BEING SUPPLIED VIA THE UNIT 1 OFFSITE POWER SUPPLY, RESERVE AUXILIARY TRANSFORMER 12. UNIT 1 IS ALSO IN A COLD SHUTDOWN CONDITION. THE EMERGENCY DIESEL GENERATORS ARE OPERABLE AND CAPABLE OF SUPPLYING BACKUP POWER IF REQUIRED. IN ADDITION, THE LICENSEE IS REMOVING THE DISCONNECT LINKS FROM THE MAIN TRANSFORMER TO THE UNIT 2 GENERATOR WHICH WILL PERMIT POWER TO BE BACKFED THROUGH THE MAIN TRANSFORMER. THE LICENSEE WILL REMAIN IN AN UNUSUAL EVENT UNTIL THE MAIN TRANSFORMER BACKFEED IS ESTABLISHED. THE DISCONNECT LINK REMOVAL PROCESS COULD TAKE AS LONG AS TWO DAYS ACCORDING TO LICENSEE ESTIMATES.

AN ANALYSIS OF THE CURRENT ELECTRICAL CONFIGURATION AND UNIT DEMANDS WAS FOUND TO

Power Reactor

Event # 27466

BE ACCEPTABLE UNDER THE PRESENT PLANT CONDITIONS. THE NRC WAS INFORMED OF THE LICENSEE'S INTENTIONS PRIOR TO THIS ACTION.

THE NRC RESIDENT INSPECTOR IS AWARE OF THIS SITUATION. STATE AUTHORITIES HAVE ALSO BEEN INFORMED

\*\*\* UPDATE FROM SCHORES TO HUFFMAN AT 2140 EDT ON 6/29/94 \*\*\*

THE LICENSEE PLANS TO NOT PROVIDE ANY FURTHER UPDATES ON THIS EVENT UNTIL THE UE IS TERMINATED.

\*\*\* UPDATE @ 1107 ON 07/01/94 BY COOMBS ENTERED BY HOO JOLLIFFE \*\*\*

AT 0950 (CDT) ON 07/01/94, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO REESTABLISHING OFFSITE AC POWER SUPPLY VIA THE BACKFEED THROUGH THE UNIT 2 MAIN TRANSFORMER.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.  
HOO NOTIFIED R3DO GARDNER, NRR EO CHAFFEE, FEMA SIMMERS.

\*\*\*\*\*

Power Reactor

Event # 27477

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: ZION                          |            | Notification Date / Time: 07/02/1994 13:14 (EDT) |   |                 |            |                 |
| Unit: 1                             | Region: 3  | State : IL                                       | Event Date / Time: 07/02/1994 12:05 (CDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 07/02/1994                    |   |                 |            |                 |
| Containment Type:                   |            |  |   |                 |            |                 |
| NRC Notified by: BASNER             |            | Notifications: RONALD GARDNER RDO                |   |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER         |            | EDWARD BUTCHER EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | SIMMERS FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

## MAIN TURBINE GENERATOR FIRE.

A MAIN GENERATOR FIRE CHARACTERIZED BY FLAMES FROM THE BUS DUCTS OCCURRED AT APPROXIMATELY 1200 CDT. OPERATORS BEGAN A 5% PER MINUTES RAMP DOWN IN POWER. WITH POWER AT ABOUT 90% THE GENERATOR TRIPPED (SPECIFIC TRIP NOT KNOWN) WITH A SUBSEQUENT TURBINE AND REACTOR TRIP. THE REACTOR IS SHUTDOWN AND DECAY HEAT IS BEING REMOVED BY DUMPING STEAM TO THE MAIN CONDENSERS. STEAM GENERATORS ARE BEING FED BY AUXILIARY FEEDWATER. ALL SAFETY SYSTEMS ARE OPERABLE AND FUNCTIONED AS REQUIRED.

THE FIRE WAS EXTINGUISHED 15 MINUTES AFTER THE UNIT TRIP BY THE ZION FIRE DEPARTMENT IN CONJUNCTION WITH THE ONSITE FIRE BRIGADE. THE ILLINOIS DEPARTMENT OF NUCLEAR SAFETY AND THE WISCONSIN DIVISION OF EMERGENCY GOVERNMENT WERE NOTIFIED.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE BY SIMMERS TAKEN BY WEAVER AT 1349 EDT ON 7/2/94 \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1349. FIRE DAMAGE APPEARS TO BE LIMITED TO THE GENERATOR AND BUS DUCT PHASES B & C. THE REACTOR WAS AT 82% POWER WHEN IT TRIPPED. CONTROL ROD M-8 DID NOT FULLY INSERT, AND IS AT THE 18 STEP POSITION. CONTROL ROD M-8 IS IN CONTROL BANK D. HOO NOTIFIED R3DO (GARDNER), NRR EO (BUTCHER), FEMA (WITSBERGER).

\*\*\*\*\*

Power Reactor

Event # 27483

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 07/05/1994 10:39 (EDT) |   |                 |            |                 |
| Unit: 3                                  | Region: 1  | State : CT                                       | Event Date / Time: 07/05/1994 10:30 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 07/05/1994                    |   |                 |            |                 |
| Containment Type: DRY SUB                |            |  |   |                 |            |                 |
| NRC Notified by: R. W. ROTHGEB           |            | Notifications: JACK DURR RDO                     |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS           |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | SIMMERS FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3  | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED BECAUSE MORE THAN 1 ROD IN CONTROL BANK "D" HAS QUESTIONABLE POSITION INDICATION ON THE DIGITAL ROD POSITION INDICATION SYSTEM. THIS RESULTS IN AN UNRELIABLE POSITION INDICATION FOR CONTROL BANK "D."

THE LICENSEE IS COMMENCING A SHUTDOWN PER TECHNICAL SPECIFICATION 3.0.3. THEY ARE TROUBLESHOOTING THE DIGITAL ROD POSITION INDICATION SYSTEM AND REVIEWING ROD POSITION DATA TRANSMITTED TO THE PLANT COMPUTER. FLUX MAPS HAVE DETERMINED THAT THE RODS ARE POSITIONED WITHIN +/- 12 STEPS OF THE GROUP INDICATION AND ARE MOVING IN TOGETHER.

THE UNUSUAL EVENT WILL BE TERMINATED WHEN THE ACTION STATEMENTS FOR TECHNICAL SPECIFICATION 3.0.3 HAVE BEEN SATISFIED OR THE DIGITAL ROD POSITION INDICATION SYSTEM HAS BEEN RESTORED TO RELIABLE OPERATION.

THE LICENSEE HAS NOTIFIED STATE & LOCAL OFFICIALS & THE RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1345 BY ROTHGEB ENTERED BY HOO JOLLIFFE \*\*\*

AT 1342, LICENSEE REPLACED A DEFECTIVE COMPUTER CARD IN THE DEVIATION CIRCUIT, TESTED THE SYSTEM SATISFACTORILY, TERMINATED THE UNIT 3 PLANT SHUTDOWN AT 64% POWER, EXITED TECH SPEC LCO A/S 3.0.3, AND TERMINATED THE UNUSUAL EVENT.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R1DO DURR, NRR EO CHRIS GRIMES, FEMA SIMMERS.

\*\*\*\*\*

Power Reactor

Event # 27484

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: OYSTER CREEK                |           | Notification Date / Time: 07/05/1994 12:18 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NJ                                       | Event Date / Time: 07/05/1994 12:05 (EDT) |
| Reactor Type: [1] GE-2            |           | Last Modification: 07/06/1994                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: DECKER           |           | Notifications: JACK DURR RDO                     |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | CHRIS GRIMES EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | SIMMERS FEMA                                     |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UE DUE TO CONTAINMENT SPRAY SYSTEM INOP DUE TO HEAT EXCHANGER FOULING -

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO BOTH TRAINS OF THE CONTAINMENT SPRAY SYSTEM BEING DECLARED INOPERABLE DUE TO HEAT EXCHANGER FOULING.

TECH SPEC LCO A/S 3.4.C.7 REQUIRES LICENSEE TO IMMEDIATELY COMMENCE A PLANT SHUTDOWN AND TO PLACE THE PLANT IN AT LEAST COLD SHUTDOWN CONDITION WITHIN 30 HOURS WITH BOTH TRAINS INOPERABLE.

TECH SPEC LCO A/S 3.4.C.3 REQUIRES LICENSEE TO PLACE THE PLANT IN AT LEAST COLD SHUTDOWN CONDITION WITHIN 7 DAYS WITH ONE TRAIN INOPERABLE.

LICENSEE EXPECTS TO RESTORE AT LEAST ONE TRAIN TO OPERABLE STATUS WITHIN 24 HOURS.

LICENSEE BEGAN REDUCING POWER AND EXPECTS TO PLACE THE PLANT IN HOT SHUTDOWN CONDITION WITHIN 24 HOURS PROVIDED AT LEAST ONE TRAIN HAS NOT BEEN RESTORED TO OPERABLE STATUS WITHIN 24 HOURS.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE FROM HUTTON TO HUFFMAN AT 0242 EDT ON 7/6/94 \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 0225 WHEN THE SYSTEM "1" CONTAINMENT SPRAY HEAT EXCHANGER WAS CLEANED, RETURNED TO SERVICE AND DECLARED OPERABLE. POWER HAD BEEN REDUCED TO 52% AND THE LICENSEE PLANS TO INCREASE TO FULL POWER. STATE & LOCAL AUTHORITIES HAVE BEEN INFORMED & THE RI WILL BE INFORMED. HOO NOTIFIED R1DO(DURR); EO(ROSSI); FEMA (LOUZONIS).

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Power Reactor

Event # 27484

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Power Reactor

Event # 27491

|                                     |  |           |  |  |  |   |
|-------------------------------------|--|-----------|--|--|--|---|
| Site: FARLEY                        |  |           |  | Notification Date / Time: 07/06/1994 15:12 (EDT) |  |   |
| Unit: 1 2                           |  | Region: 2 |  | State : AL                                       |  | Event Date / Time: 07/06/1994 13:30 (CDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |  |           |  | Last Modification: 07/09/1994                    |  |   |
| Containment Type: DRY AMB DRY AMB   |  |           |  |  |  |   |
| NRC Notified by: ALLISON            |  |           |  | Notifications: SKINNER                           |  | RDO                                       |
| HQ Ops Officer: GREG SCARFO         |  |           |  | CHAFFEE  |  | EO  |
| Emergency Class: UNUSUAL EVENT      |  |           |  | CALDWELL   |  | FEMA                                      |
| 10 CFR Section:                     |  |           |  |  |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AN NOUE WAS DECLARED WHEN ACCESS TO THE RIVER WATER STRUCTURE WAS LIMITED DUE TO INCREASED LEVEL OF THE RIVER CAUSED BY RAINS ASSOCIATED WITH TROPICAL STORM ALBERTO.

AN NOUE WAS DECLARED AT 1330CDT WHEN ACCESS TO THE RIVER WATER STRUCTURE BECAME LIMITED DUE TO AN INCREASE IN RIVER LEVEL. AT 1400CDT, RIVER LEVEL WAS MEASURED AT 115 FEET, 10 INCHES. THE INCREASE IN RIVER LEVEL IS ATTRIBUTED TO RAINS ASSOCIATED WITH TROPICAL STORM ALBERTO. NO PLANT EQUIPMENT HAS BEEN AFFECTED BY THE RAINS AND STANDING WATER ONSITE. BOTH UNITS ARE STABLE AT 100%. OFFSITE POWER IS STABLE AND ALL SAFETY EQUIPMENT (EXCEPT THE "B" CONTAINMENT SPRAY PUMP FOR A NORMAL SURVEILLANCE) REMAINS OPERABLE AND AVAILABLE.

RAINS CONTINUE AT THIS TIME. THE RIVER IS EXPECTED TO CREST AT 120 FEET SOMETIME TOMORROW. THE RIVER WATER STRUCTURE REMAINS ACCESSIBLE BY BOAT. PERSONNEL ARE AT THE STRUCTURE AT THIS TIME AND IT WILL BE MANNED AS LONG AS POSSIBLE. THE LICENSEE WILL ENTER AN ALERT AT A RIVER LEVEL GREATER THAN 127 FEET. THERE ARE CURRENTLY NO PLANS TO REDUCE POWER.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE ALABAMA RADIATION CONTROL DIVISION AND GEORGIA EMERGENCY MANAGEMENT AGENCY WERE NOTIFIED.

\*\*\* UPDATE FROM JOHNSON TO HUFFMAN AT 0430 EDT ON 7/7/94 \*\*\*

CURRENT RIVER WATER LEVEL IS 120 FEET AND STILL RISING SLOWLY. MORE RAIN IS ANTICIPATED IN THE AREA. NORMAL RIVER WATER LEVEL THIS TIME OF YEAR WOULD BE APPROXIMATELY 90 FEET. THE RIVER WATER PUMP HOUSE CONTAINS PUMPS WHICH PROVIDE MAKEUP WATER TO THE LICENSEE'S COOLING TOWERS AND EMERGENCY COOLING POND. THE PUMP HOUSE IS NORMALLY ACCESSIBLE BY FOOT BUT IS NOW SURROUNDED BY THE SWOLLEN RIVER WATERS AND CAN BE REACHED ONLY VIA A PONTOON BOAT. PERSONNEL ARE STATIONED INSIDE THE PUMP HOUSE AND ARE MONITORING INLEAKAGE TO THAT STRUCTURE. SUMP PUMPS WITHIN THE BUILDING ARE

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Power Reactor  
CURRENTLY ABLE TO KEEP UP WITH THE INLEAKAGE.

Event # 27491

THE LICENSEE STATED THAT ACCESS TO AND FROM THE PLANT IS SATISFACTORY BUT THAT THE NATIONAL GUARD HAD BEEN STAGED AT KEY ROAD LOCATIONS TO ENSURE ADEQUATE EGRESS IF AN EVACUATION WERE NEEDED. LICENSEE MANAGEMENT PLANS TO EVALUATE CONTINUED FULL POWER OPERATIONS EARLY TODAY BASED ON THE WEATHER PREDICTIONS AT THAT TIME.

R2DO(SKINNER) HAS BEEN NOTIFIED.

HOO NOTE: THIS INFORMATION WAS OBTAINED DURING THE ROUTINE PLANT STATUS CALL AND WAS NOT PROVIDED AS A FORMAL UPDATE BY THE LICENSEE.

\*\*\* UPDATE 07/09/94 1029EDT FROM:VANDERBYE BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 0915CDT WHEN RIVER LEVEL DECREASED TO ALLOW NORMAL ACCESS TO THE RIVER WATER INTAKE STRUCTURE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. STATE AND LOCAL AGENCIES WILL BE NOTIFIED. R2DO(SKINNER), EO(ROSSI), FEMA(SULLIVAN) NOTIFIED.

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Fuel Cycle Facility

Event # 27498

|                                    |  |
|------------------------------------|--|
| Facility: BABCOCK & WILCOX CO.     | Notification Date / Time: 07/07/1994 13:00 (EDT) |
| Licensee: BABCOCK & WILCOX CO.     | Event Date / Time: 07/07/1994 12:47 (EDT)        |
| Fac Type: URANIUM FUEL FABRICATION | Last Modification: 07/08/1994                    |
| Region: 2                          | Docket #: 07000027                               |
| City: LYNCHBURG                    | Agreement State: No                              |
| County: CAMPBELL                   | License #: SNM-42                                |
| State: VA                          |  |
| NRC Notified by: COFFEY            | Notifications: SKINNER RDO                       |
| HQ Ops Officer: DOUG WEAVER        | PAPERIELLO EO                                    |
| Emergency Class: UNUSUAL EVENT     | ROY FEMA   |
| 10 CFR Section:                    |  |

**UNUSUAL EVENT DECLARED - FIRE IN A METALLURGICAL LAB WITH A MINOR INJURY**

A METAL FIRE OCCURRED WHEN REPAIRS WERE BEING MADE TO A SAW. AN UNUSUAL EVENT WAS DECLARED AT 1247 EDT. THE FIRE BURNED FOR ONLY A SHORT TIME BEFORE BEING EXTINGUISHED. NO OUTSIDE ASSISTANCE WAS REQUESTED. ONE WORKER RECEIVED A MINOR BURN AND WAS TREATED ON SITE. THERE WAS NO RELEASE OF RADIOACTIVITY. NO INFORMATION WAS IMMEDIATELY AVAILABLE ABOUT THE SPREAD OF CONTAMINATION IN THE FIRE AREA. THE UNUSUAL EVENT WAS TERMINATED AT 1308 EDT.

THE LICENSEE NOTIFIED CAMEL COUNTY, THE VIRGINIA DEPARTMENT OF EMERGENCY SERVICES AND THE NRC RESIDENT. THE LICENSEE IS PREPARING A PRESS RELEASE.

\*\*\* UPDATE FROM OLSEN AT 1234 EDT ON 7/8/94 TAKEN BY WEAVER \*\*\*

THE LICENSEE REPORTED THE EVENT UNDER 10 CFR 70.50 (24 HOUR NOTIFICATION). THE FOLLOWING ADDITIONAL INFORMATION WAS PROVIDED.

\*AT APPROXIMATELY 1230 , JULY 7, 1994, A FIRE OCCURRED IN THE BAY 7A METALLURGICAL LAB AT B&W'S NAVAL NUCLEAR FUEL DIVISION PLANT IN CAMPBELL COUNTY, VIRGINIA. TWO MAINTENANCE WORKERS WERE REPAIRING A SAW IN THE LABORATORY WHEN METAL FINES (CHIPS) AUTO IGNITED. THE MATERIAL CONTAINED ENRICHED URANIUM AND BECAME AIRBORNE. SIX PEOPLE WERE EXPOSED TO THE AIRBORNE MATERIAL. THEIR EXPOSURES ARE NOT KNOWN AT THIS TIME. AIR SAMPLING DATA HAS NOT BEEN FULLY EVALUATED AT THIS TIME. FIVE INDIVIDUALS WERE CONTAMINATED UP TO 1000 DPM. ONE INDIVIDUAL RECEIVED BURNS TO HIS RIGHT ARM, WAS TREATED AT THE SCENE, AND RETURNED TO WORK. THE LABORATORY IS BEING DECONTAMINATED. ACTIONS TO BE TAKEN TO PREVENT A RECURRENCE OF THIS TYPE OF EVENT WILL BE DETERMINED AT THE CONCLUSION OF THE INVESTIGATION. HOO NOTIFIED R2 RDO (SKINNER)

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Power Reactor

Event # 27500

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 07/07/1994 14:07 (EDT) |   |                 |            |                 |
| Unit: 2                                  | Region: 1  | State : CT                                       | Event Date / Time: 07/07/1994 14:00 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 07/07/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB                |            |  |   |                 |            |                 |
| NRC Notified by: JOHN RESETAR            |            | Notifications: JACK DURR RDO                     |   |                 |            |                 |
| HQ Ops Officer: JOSEPH SEBROSKY          |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | DAN SULLIVAN FEMA                                |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A TECH SPEC REQUIRED SHUTDOWN.

DURING THE QUARTERLY SURVEILLANCE OF THE 125 VOLT DC BATTERY SYSTEM ONE OF THE 60 CELLS WAS FOUND TO BE UNDER THE TECH SPEC LIMIT OF 2.08 VOLTS. THE CELL WAS ORIGINALLY FOUND TO BE AT 2.064. THE TECH SPEC ALLOWS 2 HOURS TO RETURN THE CELL VOLTAGE TO THE TECH SPEC LIMIT, IF THAT IS NOT ACCOMPLISHED THEN TECH SPEC 3.8.2.3 REQUIRES THE LICENSEE TO BE IN COLD SHUTDOWN WITHIN 36 HOURS.

THE LICENSEE HAS RAISED THE FLOAT VOLTAGE IN AN ATTEMPT TO RAISE THE CELL VOLTAGE. CURRENTLY THE CELL VOLTAGE IS 2.077 VOLTS. THE VOLTAGE IS RECOVERING, HOWEVER, IT HAS NOT RECOVERED WITHIN THE 2 HOUR TIME FRAME. THE LICENSEE IS PURSUING SHUTDOWN AND RESTORING THE CELL VOLTAGE CONCURRENTLY. THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE THE RESTORATION OF THE CELL VOLTAGE OR THE PLANT BEING IN COLD SHUTDOWN.

THE LICENSEE IS INVESTIGATING THE CAUSE OF THE ONE LOW CELL VOLTAGE ALL OTHER 59 CELL VOLTAGES WERE WITHIN SPECIFICATION. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND ALSO STATE AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR PROCEDURES.

\*\*\* UPDATE AT 21:39 7/7/94 FROM MULLIN TAKEN BY SEBROSKY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 21:38EDT WHEN THE CELL VOLTAGE WAS RETURNED TO SPECIFICATION. THE LOWEST POWER GOT WAS 95.5%. THE LICENSEE PLANS TO INCREASE POWER SHORTLY. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS.

HOO NOTIFIED R1DO(DURR), EO(ROSSI), AND FEMA(SHULL).

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Power Reactor

Event # 27503

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: MAINE YANKEE                |           | Notification Date / Time: 07/07/1994 16:53 (EDT) |   |
| Unit: 1                           | Region: 1 | State : ME                                       | Event Date / Time: 07/07/1994 16:13 (EDT) |
| Reactor Type: [1] CE              |           | Last Modification: 07/08/1994                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: ROBERT MALONEY   |           | Notifications: JACK DURR RDO                     |   |
| HQ Ops Officer: JOSEPH SEBROSKY   |           | ERNIE ROSSI EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES SHULL FEMA                               |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO BOTH FIRE SUPPRESSION PUMPS BEING DECLARED INOPERABLE.

THE PLANT HAS TWO FIRE SUPPRESSION PUMPS. P-4 IS AN ELECTRIC DRIVEN PUMP AND P-5 IS A DIESEL DRIVEN PUMP. THE P-4 PUMP WAS TAKEN OUT OF SERVICE ON 6/30/94 TO REPAIR THE PUMP MOTOR. THE P-5 PUMP HAD A SURVEILLANCE PERFORMED ON IT TODAY. THE SURVEILLANCE PROCEDURE REQUIRED A MANUAL START OF THE FIRE PUMP. THE FIRST TIME A MANUAL START OF THE FIRE PUMP WAS ATTEMPTED IT FAILED, ON THE SECOND ATTEMPT THE PUMP STARTED AND THE LICENSEE LEFT THE PUMP RUNNING. THE LICENSEE CONSIDERED THE P-5 PUMP OPERABLE BECAUSE IT WAS RUNNING.

TO ALLOW TROUBLESHOOTING OF THE P-5 FIRE PUMP THE LICENSEE HAD THE LOCAL FIRE DEPARTMENT SUPPLY A PUMPER. THE PUMPER WAS CONNECTED TO THE MAINE YANKEE FIRE SUPPRESSION SYSTEM AND A DEDICATED MAINE YANKEE OPERATOR WAS SUPPLIED TO CONTROL THE FIRE DEPARTMENT CONNECTION AND MAINTAIN THE SYSTEM PRESSURE. AFTER THIS WAS DONE P-5 WAS SHUTDOWN TO PERFORM TROUBLESHOOTING. WHEN P-5 WAS ATTEMPTED TO BE RESTARTED IT DID NOT START. THE LICENSEE DECLARED THE PUMP INOPERABLE AND ENTERED AN UNUSUAL EVENT.

TECH SPEC 3.23.B.2 REQUIRES THE LICENSEE TO ESTABLISH A BACKUP FIRE SUPPRESSION SYSTEM WITHIN 24 HOURS (WHICH WAS ALREADY ESTABLISHED PRIOR TO STOPPING PUMP P-5) AND ALSO TO ISSUE VARIOUS REPORTS TO THE NRC. THE TECH SPEC DOES NOT REQUIRE THE LICENSEE TO SHUTDOWN. THE BASIS FOR TERMINATION OF THE UNUSUAL EVENT IS THE RESTORATION OF ONE OF THE TWO FIRE SUPPRESSION PUMPS. THE LICENSEE IS CURRENTLY TROUBLESHOOTING PUMP P-5 AND SUSPECTS THAT THE CAUSE OF THE PROBLEM IS LOW VOLTAGE IN THE STARTING CIRCUITRY FOR THE PUMP. THE LICENSEE IS UNSURE AT THIS TIME HOW LONG IT WILL TAKE TO MAKE REPAIRS. THE FIRE PUMPER THAT WAS BROUGHT ONSITE IS CURRENTLY RUNNING IN A RECIRC MODE TO SUPPLY THE FIRE SUPPRESSION HEADER.

Power Reactor

Event # 27503

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND ALSO STATE AND LOCAL OFFICIALS. THE LICENSEE MAY ISSUE A PRESS RELEASE.

\*\*\* UPDATE 7/7/94 @ 20:08 FROM MALONEY TAKEN BY SEBROSKY \*\*\*

THE LICENSEE IS REQUIRED BY TECH SPEC 3.23.B REMEDIAL ACTION #2 TO NOTIFY THE NRC WITHIN 24 HOURS BY TELEPHONE OR TELEGRAPH OF ESTABLISHING A BACKUP FIRE SUPPRESSION SYSTEM. THEREFORE IN ADDITION TO INFORMING THE NRC OF THIS EVENT BECAUSE IT WAS AN UNUSUAL EVENT THE LICENSEE IS ALSO MAKING THIS REPORT IN ACCORDANCE WITH THEIR TECH SPECS. THE LICENSEE'S TECH SPECS ALSO REQUIRES THAT THE LICENSEE ISSUE A SPECIAL WRITTEN REPORT TO THE NRC WITHIN 14 DAYS OF THE EVENT.

THE LICENSEE HAS STOPPED THE FIRE PUMPER THAT WAS BROUGHT ONSITE. THE LICENSEE DID THIS BECAUSE THERE ARE NO LOADS ON THE SYSTEM CURRENTLY. THE PUMPER IS STILL CONNECTED TO THE FIRE HEADER AND THE LICENSEE STILL HAS ONE DEDICATED MAINE YANKEE OPERATOR AND TWO INDIVIDUALS FROM THE FIRE DEPARTMENT ASSIGNED TO THE PUMPER. THE LICENSEE HAS ALSO ISSUED A 2 PAGE INTERIM DOCUMENT TO IMPLEMENT PROCEDURES TO MINIMIZE THE RISK OF A FIRE ONSITE UNTIL THE DIESEL DRIVEN PUMP (P-5) CAN BE PLACED BACK IN SERVICE. THE DOCUMENT INCLUDES STEPS SUCH AS NO SPARK PRODUCING OPERATIONS ALLOWED, NO USE OF FLAMMABLE LIQUIDS IN THE PLANT IS AUTHORIZED ETC... THE DOCUMENT ALSO INCLUDES PROCEDURES FOR USE OF THE TEMPORARY FIRE PUMPER.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO(DURR) AND EO(ROSSI).

\*\*\* UPDATE 7/8/94 @ 17:41 FROM MALONEY TAKEN BY SEBROSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 16:52 7/8/94 WHEN PUMP P-5 WAS RETURNED TO SERVICE. THE PROBLEM WITH P-5 WAS DISCOVERED TO BE IN THE WIRING FOR THE STARTING CIRCUIT, THE PROBLEM WAS REPAIRED, AND THE PUMP TESTED. THE BACKUP FIRE PUMP HAS BEEN RELEASED FROM THE SITE AT THIS TIME.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS. THE LICENSEE WILL ALSO ISSUE A PRESS RELEASE. HOO NOTIFIED R1DO(DURR), EO(ROSSI) AND FEMA(SHULL).

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Power Reactor

Event # 27519

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HADDAM NECK                 |            | Notification Date / Time: 07/11/1994 09:30 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : CT                                       | Event Date / Time: 07/11/1994 09:13 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP          |            | Last Modification: 07/11/1994                    |   |                 |            |                 |
| Containment Type:                 |            |  |   |                 |            |                 |
| NRC Notified by: HEFFERNAN        |            | Notifications: JACK DURR RDO                     |   |                 |            |                 |
| HQ Ops Officer: GREG SCARFO       |            | GRIMES EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | HUGHES FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            | CHAFFEE EO                                       |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            | BROCKMAN AEOD                                    |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | M/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

AN NOUE WAS DECLARED WHEN A MANUAL REACTOR TRIP WAS INITIATED DUE TO HIGH REACTOR COOLANT PUMP (RCP) BEARING TEMPERATURE.

AT 0735EDT, A LOW-LEVEL OIL RESERVOIR ALARM FOR RCP #3 OCCURRED AND ELEVATED TEMPERATURES FOR RCP #3 THRUST BEARING AND UPPER GUIDE BEARING WERE DISCOVERED. BEARING TEMPERATURES CONTINUED TO INCREASE SLOWLY AND, AT 0833EDT, OPERATORS INITIATED A LOAD REDUCTION. WHEN BEARING TEMPERATURES EXCEEDED 190 DEGREES F (WITH REACTOR POWER AT 50%), A MANUAL REACTOR TRIP WAS INITIATED. ALL RODS FULLY INSERTED ON THE TRIP. STEAM GENERATOR (SG) #1 FEEDWATER REGULATING VALVE DID NOT CLOSE ON THE REACTOR TRIP. OPERATORS RESPONDED BY MANUALLY CLOSING THE FEEDWATER ISOLATION VALVE AND THE "STEAM LINE TRIP VALVE". WHILE THE FEED REG VALVE WAS OPEN, LEVEL IN SG #1 INCREASED TO 74%, ABOVE THE 69% FEEDWATER ISOLATION SETPOINT. THE COOLDOWN RATE DID NOT EXCEED THE TECHNICAL SPECIFICATION LIMIT. OTHER PLANT RESPONSES TO THE REACTOR TRIP WERE AS EXPECTED. NO OTHER ESF OR ECCS ACTUATIONS OCCURRED.

THE UNIT IS STABLE IN HOT STANDBY. THE MAIN FEEDWATER SYSTEM IS SUPPLYING SGs VIA BYPASS VALVES. DECAY HEAT IS BEING DISSIPATED TO THE CONDENSER VIA THE STEAM DUMP VALVES. OFFSITE POWER IS SUPPLYING ALL ELECTRICAL LOADS. THE ECCS AND EMERGENCY DIESEL GENERATORS ARE OPERABLE AND AVAILABLE. THE CRITERION FOR ENTERING THE NOUE WAS THE ACT OF SHUTTING DOWN THE PLANT WITH A COMPLICATION (ELEVATED THRUST BEARING TEMPERATURE). THE CRITERION FOR EXITING THE NOUE IS THE DISCOVERY OF THE CAUSE OF THE ELEVATED THRUST BEARING TEMPERATURE. AN INVESTIGATION INTO THE CAUSE IS ONGOING.

\*\*\* UPDATE 07/11/94 1004EDT FROM:HEFFERNAN BY:SCARFO \*\*\*

UPON ENTRY INTO CONTAINMENT TO INVESTIGATE THE CAUSE OF THE ELEVATED THRUST BEARING TEMPERATURE, A SMALL FIRE WAS DISCOVERED. A FIRE BRIGADE WAS DISPATCHED INTO CONTAINMENT. THE SOURCE OF THE FIRE IS SOME OIL-SOAKED PIPE LAGGING ASSOCIATED WITH

Power Reactor

Event # 27519

THE RCPs. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO(DURR), EO(GRIMES, CHAFFEE), AEOD(KARSCH, BROCKMAN) NOTIFIED.

\*\*\* UPDATE 07/11/94 1137EDT FROM:SMITH BY:SCARFO \*\*\*

THE FIRE HAS BEEN EXTINGUISHED. AN OIL LEAK FROM RCP #3 WAS THE CAUSE OF THE FIRE ON THE PIPE LAGGING OF THE #3 RCP "BOWL". THE FIRE LASTED APPROXIMATELY SEVEN MINUTES. A "REFLASH" WATCH HAS BEEN STATIONED IN CONTAINMENT. THE UNIT REMAINS IN THE NOUE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. STATE AND LOCAL AGENCIES NOTIFIED. R1DO(DURR), EO(CHAFFEE), AEOD(ROSS, BROCKMAN, KARSCH) NOTIFIED.

\*\*\* UPDATE 07/11/94 1437 EDT FROM HEFFERNAN TAKEN BY WEAVER \*\*\*

UNUSUAL EVENT TERMINATED AT 1437EDT. OIL LEAK HAS BEEN STOPPED. THE PLANT IS COOLING DOWN TO ABOUT 400F TO REPAIR LAGGING DAMAGE. HOO NOTIFIED R1 RDO(SHANBAKY), EO(CHAFFEE), FEMA(MUSE), AEOD(KARSCH).

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Power Reactor

Event # 27568

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: HARRIS                           |            | Notification Date / Time: 07/22/1994 17:41 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : NC                                       | Event Date / Time: 07/22/1994 17:01 (EDT) |                 |            |                 |
| Reactor Type: [1] W-3-LP               |            | Last Modification: 07/23/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: KEN KYSER             |            | Notifications: FLOYD CANTRELL RDO                |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH            |            | JOSE CALVO EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | WITSBERGER FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

AN UNUSUAL EVENT WAS DECLARED DUE TO THE LOSS OF THE "A" EMERGENCY DIESEL GENERATOR (EDG) WITH THE "B" EDG ALREADY INOPERABLE.

THE "B" EDG WAS DECLARED INOPERABLE AT 2155 ON 7/21/94 DUE TO DC CONTROL POWER PROBLEMS. THE "A" EDG WAS DECLARED INOPERABLE DUE TO LARGE FIELD VOLTAGE AND CURRENT SWINGS DURING TESTING. AT 1731, THE "B" EDG WAS STARTED AND IS RUNNING PROPERLY AFTER THE COMPLETION OF REPAIRS.

THE LICENSEE EXPECTS TO TERMINATE THE UNUSUAL EVENT AT 1915 AFTER THE COMPLETION OF THE ENDURANCE RUN. THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2047 FROM WAYMAN TAKEN BY KARSCH \*\*\*

THE "B" EDG EXPERIENCED SOME SPIKING IN LOAD DURING ITS SURVEILLANCE TEST. THE LICENSEE IS SECURING FROM THE TEST WITH UNSATISFACTORY DATA. WITH BOTH EDGs INOPERABLE, THE LICENSEE IS IN TECH SPEC 3.8.1.1.f, WHICH HAS A 6 HOUR LCO. THE LICENSEE WILL COMMENCE A POWER REDUCTION AT 2 MW/MIN AT 2100 AND WILL REACH HOT STANDBY BY 0057 ON 7/23/94. IF ONE EDG CAN BE REPAIRED, THE LICENSEE WILL HOLD POWER WHILE THEY TEST THE EDG's OPERABILITY. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R2DO (CANTRELL), EO (CALVO), AND FEMA (CANUPP).

\*\*\* UPDATE AT 2143 FROM WAYMAN TAKEN BY KARSCH \*\*\*

ANOTHER UNUSUAL EVENT HAS BEEN DECLARED DUE TO A TECH SPEC REQUIRED SHUTDOWN. THIS IS IN ADDITION TO THE UNUSUAL EVENT DUE TO BOTH EDGs BEING INOPERABLE. POWER REDUCTION BEGAN AT 2105. HOO NOTIFIED R2DO (CANTRELL), EO (CALVO), AND AEOD (BAILEY).

\*\*\* UPDATE AT 0233 ON 7/23/94 FROM WAYMAN TAKEN BY JOLLIFFE \*\*\*

Power Reactor

Event # 27568

MAINTENANCE TECHNICIANS TIGHTENED THE LINEAR REACTOR THROUGH-RODS ON THE #1A-SA 6.9 KV ELECTRICAL BUS. THIS LOOSE CONNECTION HAD GIVEN A FAULTY INPUT SIGNAL TO THE VOLTAGE REGULATOR WHICH CAUSED THE FIELD VOLTS AND AMPS SPIKING.

AT 0212 ON 7/23/94, LICENSEE SATISFACTORILY TESTED THE "A" EDG, DECLARED IT OPERABLE, EXITED TECH SPEC 3.8.1.1.f, STOPPED THE POWER REDUCTION, AND TERMINATED BOTH UNUSUAL EVENTS.

LICENSEE IS STILL INVESTIGATING THE PROBLEMS WITH THE "B" EDG. AT 2155 ON 7/21/94, LICENSEE HAD ENTERED TECH SPEC LCO A/S 3.8.1.1.b WHICH REQUIRES THE "B" EDG TO BE RESTORED TO OPERABLE STATUS WITHIN 72 HOURS.

THE PLANT IS STABLE AT 18% POWER. LICENSEE INTENDS TO BEGIN INCREASING POWER.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF BOTH UNUSUAL EVENTS.

HOO NOTIFIED R2DO CANTRELL, NRR EO CALVO, AND FEMA MOSTELLER OF THE TERMINATION OF BOTH UNUSUAL EVENTS.

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Power Reactor

Event # 27605

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: BIG ROCK POINT              |            |           |            | Notification Date / Time: 07/29/1994 06:47 (EDT) |            |   |
| Unit: 1                           |            | Region: 3 |            | State : MI                                       |            | Event Date / Time: 07/29/1994 05:53 (EDT) |
| Reactor Type: [1] GE-1            |            |           |            | Last Modification: 07/29/1994                    |            |   |
| Containment Type:                 |            |           |            |  |            |   |
| NRC Notified by: MIKE RUHLMAN     |            |           |            | Notifications: ROBERT DEFAYETTE RDO              |            |   |
| HQ Ops Officer: JOSEPH SEBROSKY   |            |           |            | JOHN ZWOLINSKI EO                                |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | BELCHER FEMA                                     |            |   |
| 10 CFR Section:                   |            |           |            | AL CHAFFEE EO                                    |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | Yes       | 87         | Power Operation                                  | 87         | Power Operation                           |

THE LICENSEE HAD A SMALL FIRE THAT LASTED LESS THAN 10 MINUTES.

WHILE A CONTROL ROOM OPERATOR WAS DOING A ROUTINE TOUR OF THE PLANT HE NOTICED A SMALL FIRE ON TOP OF THE HIGH PRESSURE FEEDWATER HEATER LAGGING IN THE PIPE TUNNEL. THE FIRE BRIGADE RESPONDED AND PUT OUT THE FIRE IMMEDIATELY. THE FIRE WAS SMALL (ABOUT THE SIZE OF A FIST) AND LIMITED TO THE LAGGING FOR THE HIGH PRESSURE FEEDWATER HEATER.

THE LICENSEE IS INVESTIGATING THE CAUSE OF THE FIRE. AT THIS TIME THE LICENSEE BELIEVES THE FIRE WAS CAUSED BY OIL LEAKING ONTO THE LAGGING FOR THE HIGH PRESSURE FEEDWATER HEATER. THE LICENSEE IS STILL TRYING TO DETERMINE THE SOURCE OF THE OIL. (THERE ARE SOME MAIN TURBINE LUBE OIL AND CONTROL OIL LINES IN THE VICINITY). THE OIL IS STILL DRIPPING IN THE AREA AND HAS BEEN CONTAINED. THE LICENSEE IS MONITORING THE AREA WITH A REMOTE CAMERA.

AN OFFSITE FIRE DEPARTMENT WAS CALLED BUT DID NOT HAVE TO RESPOND TO THE SCENE. THE LICENSEE DID NOT DECLARE AN EMERGENCY BECAUSE THE FIRE WAS EXTINGUISHED WITHIN 10 MINUTES OF ITS DISCOVERY.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR.

\*\*\*UPDATE FROM LICENSEE:BOURASSA TO NRC:HUFFMAN AT 12:38 EDT ON 7/29/94\*\*\*

THE LICENSEE HAS UPGRADED THIS EVENT NOTIFICATION BY DECLARING A "DISCRETIONARY" UNUSUAL EVENT. THE OIL WAS DETERMINED TO BE COMING FROM A KNOWN LEAK ON THE #2 TURBINE BEARING. THE LEAK WAS BEING MANAGED BY A COLLECTION SYSTEM WHICH CAPTURED THE OIL IN A DRIP TRAY AND DRAINED IT TO A COLLECTION DRUM. APPARENTLY, THE COLLECTION

Power Reactor

Event # 27605

RIG IS NOT WORKING PROPERLY AND OIL IS DRIPPING ONTO THE SURROUNDING PIPE LAGGING AND STRUCTURE WHICH COULD POSE AN ONGOING FIRE HAZARD. THE LICENSEE SAID THERE IS ALSO EVIDENCE THAT THE INITIAL FIRE MAY HAVE BEEN BURNING A WHILE BEFORE IT WAS DISCOVERED ALTHOUGH NO ADDITIONAL DAMAGE OTHER THAN TO THE LAGGING IS EVIDENT.

THE LICENSEE HAS DECIDED TO SHUTDOWN AND CLEAN UP ANY OIL SOAKED LAGGING AND CORRECT THE PROBLEM ON THE LEAKING COLLECTION RIG. POWER LEVEL IS CURRENTLY 30% AND DECREASING. TERMINATION OF THE UE WILL BE BASED ON JUDGMENT THAT THE OIL RELATED FIRE HAZARD IS NO LONGER PRESENT.

APPROPRIATE STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. THE RESIDENT INSPECTOR IS INFORMED.

\*\*\* UPDATE FROM AZURE TO HUFFMAN AT 2120 EDT ON 7/29/94 \*\*\*

THE UNUSUAL EVENT WAS EXITED AT 2110 EDT BASED ON MITIGATION OF THE OIL FIRE HAZARD. THE REACTOR HAS BEEN SHUTDOWN AND IS ON SHUTDOWN COOLING AT A PRESSURE OF 250 PSI. THE OIL COLLECTION RIG UNDER THE LEAKING BEARING HAS BEEN MODIFIED TO ENSURE ALL OIL LEAKAGE IS COLLECTED. THE FEEDWATER HEATER WITH THE OIL SOAKED LAGGING IS OUT OF SERVICE AND COOLED DOWN TO THE POINT WHERE IGNITION OF OIL IS NO LONGER A CONCERN.

THE LICENSEE PLANS TO REMAIN IN HOT SHUTDOWN WHILE IT STRIPS THE OIL SOAKED LAGGING OFF THE FEEDWATER HEATER SOMETIME TOMORROW. CLEANUP OF ANY OTHER AREAS WHERE OIL MAY HAVE DRIPPED WILL ALSO BE ACCOMPLISHED. METHODS OF FURTHER MINIMIZING THE TURBINE BEARING OIL LEAK WILL BE INVESTIGATED AS WELL. RESTART IS PLANNED SOMETIME ON MONDAY.

THE RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS HAVE BEEN INFORMED. EO(ZWOLINSKI); R3DO(DEFAYETTE) AND FEMA(SULIVAN) HAVE ALSO BEEN NOTIFIED.

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Power Reactor

Event # 27619

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: ROBINSON                    |           | Notification Date / Time: 08/02/1994 06:35 (EDT) |   |
| Unit: 2                           | Region: 2 | State : SC                                       | Event Date / Time: 08/02/1994 05:54 (EDT) |
| Reactor Type: [2] W-3-LP          |           | Last Modification: 08/03/1994                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: JAMES CONDER     |           | Notifications: CHARLES CASTO RDO                 |   |
| HQ Ops Officer: DOUG WEAVER       |           | JOHN ZWOLINSKI EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | RIGHT FEMA                                       |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | M/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

**UNUSUAL EVENT DECLARED DUE TO THE FAILURE OF A PORV TO CLOSE AFTER ACTUATION**

A LOAD REJECTION CAUSED A TURBINE RUNBACK. OPERATORS MANUALLY TRIPPED THE REACTOR WHEN THEY OBSERVED THE TURBINE RUNBACK AND LOAD REJECTION. THE SUBSEQUENT RISE IN REACTOR PRESSURE CAUSED ONE PORV (RC 455C) TO LIFT. THIS PORV CURRENTLY INDICATES INTERMEDIATE. OPERATORS CLOSED THE BLOCK VALVE WHEN THEY NOTICED THE ABNORMAL POSITION INDICATION. OPERATORS ARE UNSURE WHETHER THE REACTOR COOLANT SYSTEM PRESSURE DROP WAS ALREADY TERMINATED WHEN THEY SHUT THE BLOCK VALVE. A REVIEW OF THE PLANT COMPUTER LOGS WILL BE CONDUCTED TO PROVIDE THIS INFORMATION.

ALL RODS FULLY INSERTED DURING THE TRIP. ONE ROD BOTTOM LIGHT DID NOT ENERGIZE, HOWEVER THE INDIVIDUAL ROD POSITION INDICATION FOR THAT ROD INDICATED THAT IT IS FULLY INSERTED. THE STEAM GENERATORS ARE BEING FED ON THE BYPASS BY MAIN FEEDWATER AND THE MAIN CONDENSER IS AVAILABLE AS A HEAT SINK.

THE CAUSE OF THE LOAD REJECTION IS NOT KNOWN. THE LICENSEE INTENDS TO BORATE TO HOT SHUTDOWN. THE UNUSUAL EVENT WILL BE TERMINATED WHEN THE PORV IS VERIFIED TO BE SHUT. THE PORV PROBLEM IS SUSPECTED TO BE AN INDICATION PROBLEM AND NOT A PROBLEM WITH THE ACTUAL OPERATION OR POSITION OF THE VALVE.

THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND THE APPROPRIATE STATE AND LOCAL OFFICIALS.

\*\*\* UPDATE AT 0717 ON 8/2/94 BY CONDER TAKEN BY WEAVER \*\*\*

SITE MANAGEMENT DECIDED TO TERMINATE THE UNUSUAL EVENT BASED ON THE BLOCK VALVE BEING SHUT AND NO LEAKAGE TO THE PRT.

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Power Reactor

Event # 27619

HOO NOTIFIED FEMA (BECLCHER), EO (GOODWIN), RDO (CASTO)

\*\*\*\* UPDATE AT 1122 EDT ON 08/03/94 BY CROOK TAKEN BY ANDREWS \*\*\*\*

LICENSEE HAS DETERMINED THAT THE CAUSE OF THE ERRONEOUS POSITION INDICATION WAS A FAULTY LIMIT SWITCH. THE PORV ACTUALLY CLOSED AS REQUIRED. THE LICENSEE HAS NOTIFIED . THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R2DO (BLAKE).

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Power Reactor

Event # 27652

|  |  |           |            |  |   |  |
|--|--|-----------|------------|--|---|--|
| Site: OCONEE   |  |           |            | Notification Date / Time: 08/10/1994 05:13 (EDT) |   |  |
| Unit: 3  |  | Region: 2 | State : SC |  | Event Date / Time: 08/10/1994 04:57 (EDT) |  |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |  |           |            | Last Modification: 08/10/1994                    |   |  |
| Containment Type: DRY AMB                            |  |           |            |  |   |  |
| NRC Notified by: GREWE                               |  |           |            | Notifications: KENNETH BARR RDO                  |   |  |
| HQ Ops Officer: CHAUNCEY GOULD                       |  |           |            | GUS LAINAS EO                                    |   |  |
| Emergency Class: UNUSUAL EVENT                       |  |           |            | BELCHER FEMA                                     |   |  |
| 10 CFR Section:                                      |  |           |            |  |   |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |  |           |            |  |   |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

THE PLANT REPORTED A REACTOR TRIP AT 04:25 FROM 100% POWER(DUE TO TRIP OF BOTH MAIN FEED PUMPS) FOLLOWED BY THE DECLARATION OF AN NOUE DUE TO SECONDARY SIDE DEPRESSURIZATION.

THE MAIN FEED PUMP TRIP WAS DUE TO A BLOWN FUSE(CAUSE WILL BE INVESTIGATED) CAUSING THE LOSS OF THE "KI" INVERTER THAT FEEDS THE INTEGRATED CONTROL SYSTEM WHICH SENDS AN AUTOMATIC TRIP SIGNAL TO THE PUMPS WHICH RESULTED IN THE REACTOR TRIP. ALL RODS FULLY INSERTED AND NO PRIMARY SAFETY RELIEF VALVES LIFTED, BUT SECONDARY RELIEF VALVES DID LIFT AND MAY NOT HAVE RESEATED PROPERLY. THEY DECLARED THE NOUE DUE TO SECONDARY SIDE DEPRESSURIZATION(COULD POSSIBLY BE CAUSED BY A STEAM LINE BREAK, BUT THERE WERE NO INDICATIONS OF ONE). THEY ARE INVESTIGATING THE CAUSE OF THE SECONDARY SIDE DEPRESSURIZATION. THE "3B" ONCE-THROUGH STEAM GENERATOR WAS ISOLATED DUE TO A PRESSURE MISMATCH FOLLOWING THE REACTOR TRIP. THE LEVEL IN THE OTSG IS ZERO(ACTUAL LEVEL IS 6" BUT ANYTHING BELOW 15" IS CONSIDERED ZERO) AND IS CONSIDERED A DRY S/G. THE HEAT SINK IS THE EMERGENCY FEEDWATER AND THE "3A" STEAM GENERATOR. THE PLANT IS STABLE AT THIS TIME AND ALL EMERGENCY EQUIPMENT IS OPERABLE. THE RI WILL BE INFORMED. THE STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\* UPDATE AT 1353 BY J. R. SMITH ENTERED BY HOO JOLLIFFE \*\*\*

LICENSEE DETERMINED THAT THERE WAS NO SECONDARY STEAM LINE FAILURE, REFILLED "3B" STEAM GENERATOR TO A NORMAL LEVEL FOR HOT SHUTDOWN MODE, UNISOLATED "3B" STEAM GENERATOR, AND AT 1337, TERMINATED THE UNUSUAL EVENT.

LICENSEE NOTIFIED STATE & LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. HOO NOTIFIED R2DO DECKER, EO GOODWIN, FEMA EARL.

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Power Reactor

Event # 27654

|   |           |  |   |
|---|-----------|--|---|
| Site: PEACH BOTTOM                      |           | Notification Date / Time: 08/10/1994 15:04 (EDT) |   |
| Unit: 2                                 | Region: 1 | State : PA                                       | Event Date / Time: 08/10/1994 13:35 (EDT) |
| Reactor Type: [2] GE-4,[3] GE-4         |           | Last Modification: 08/10/1994                    |   |
| Containment Type: MARK I                |           |  |   |
| NRC Notified by: MARK ALDERFER          |           | Notifications: JENNY JOHANSEN RDO                |   |
| HQ Ops Officer: WILLIAM HUFFMAN         |           | CHRIS GRIMES EO                                  |   |
| Emergency Class: UNUSUAL EVENT          |           | EARL FEMA  |   |
| 10 CFR Section:                         |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |           |  |   |
| 50.72(b)(2)(iii)(C) POT UNCNTRL RAD REL |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 80         | Power Operation | 80         | Power Operation |

FIRE LASTING LONGER THAN 10 MINUTES WITHIN THE PROTECTED AREA.

A FIRE BROKE OUT WITHIN A STRUCTURE ON TOP OF THE REACTOR BUILDING ROOF AT 1335 EDT. THE STRUCTURE IS PHYSICALLY ON TOP OF THE ROOF OUTSIDE OF THE REACTOR BUILDING AT THE ROOF VENT STACK. THE FIRE WAS EXTINGUISHED AT 1400 EDT WITH NO KNOWN DAMAGE TO SAFETY RELATED EQUIPMENT OR TO THE BUILDING STRUCTURE. THE UNUSUAL EVENT WAS DECLARED AND TERMINATED AT 1410 EDT BECAUSE THE FIRE LASTED LONGER THAN 10 MINUTES, HOWEVER, THE LICENSEE DID NOT ENTER INTO THEIR EMERGENCY PLANS.

THE FIRE APPARENTLY RESULTED FROM SOME CONSTRUCTION WELDING WITHIN THE ROOF VENT STRUCTURE WHICH IGNITED SOME RAGS AND DEBRIS IN THE VICINITY OF THE WELDING. A FIRE WATCH, WHICH HAD BEEN STATIONED FOR THE WELDING, UNSUCCESSFULLY ATTEMPTED TO PUT OUT THE FIRE WITH A HAND HELD FIRE EXTINGUISHER. THE FIRE BRIGADE WAS IMMEDIATELY SUMMONED AND HAD THE FIRE COMPLETELY EXTINGUISHED BY 1400 EDT USING WATER FROM A FIRE HOSE.

INSPECTION AND ASSESSMENT OF THE FIRE LOCATION ARE STILL IN PROGRESS BUT DAMAGES APPEAR TO BE MINIMAL AT THIS TIME.

STATE AND LOCAL AUTHORITIES ALONG WITH THE NRC RESIDENT INSPECTOR HAVE BEEN NOTIFIED.

\*\*\* UPDATE FROM ALDERFER TO HUFFMAN AT 1836 EDT ON 8/10/94 \*\*\*

THE WORK IN PROGRESS AT THE TIME OF THE FIRE INVOLVED A 10" BY 10" CUT THROUGH THE OUTSIDE SHEETMETAL WALL OF THE ROOF VENT STRUCTURE TO ACCESS AN INTERIOR I-BEAM. THERE WAS ALSO AN INSIDE SHEETMETAL WALL ON THE ROOF VENT STRUCTURE WHICH CREATED A HOLLOW WALL SPACE BETWEEN I-BEAMS. THE DISTANCE BETWEEN I-BEAMS IS 9 FEET. WHEN THE HOLE WAS CUT IN THE OUTSIDE WALL, IT WAS NOT POSSIBLE TO SEE WHAT WAS WITHIN THE HOLLOW WALL SPACE. THE WELDER STUFFED PROTECTIVE WELDING CLOTH (REFACIL) IN THE HOLE

Power Reactor

Event # 27654

AND PROCEEDED TO MAKE WELDS ON THE I-BEAM. CAMERA INSPECTION OF THIS WALL SPACE HAS REVEALED THAT BIRD NESTING MATERIAL AND SOME FIBERGLASS INSULATION WAS RESTING ON TOP OF THE NEXT I-BEAM 9 FT BELOW THE WELDING ACCESS HOLE. SPARKS FROM THE WELDING APPARENTLY IGNITED THIS MATERIAL. BECAUSE OF THE DISTANCE OF THE BURNING MATERIAL FROM THE ACCESS HOLE, A FIRE EXTINGUISHER WAS INEFFECTIVE IN COMBATING THIS FIRE. WHEN WATER WAS POURED DOWN THE HOLLOW WALL SPACE, THE FIRE WAS EASILY EXTINGUISHED.

THE LICENSEE ALSO STATES THAT WHILE THE FIRE HOSE WAS IN USE, IT WAS EXTENDED FROM THE REFUELING FLOOR THROUGH A HATCH IN THE REFUELING BUILDING ROOF. THIS REPRESENTS A BREACH IN SECONDARY CONTAINMENT AND WOULD HAVE PREVENTED SECONDARY CONTAINMENT ISOLATION, IF NECESSARY. THIS IS A FOUR HOUR 50.72 CONDITION UNDER CONTROL OF RADIATION RELEASE. THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED OF THIS ADDITIONAL INFORMATION.

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Power Reactor

Event # 27659

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BRAIDWOOD                     |            | Notification Date / Time: 08/11/1994 12:34 (EDT) |   |                 |            |                 |
| Unit: 1                             | Region: 3  | State : IL                                       | Event Date / Time: 08/11/1994 10:28 (CDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 08/11/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: CHERYL GAYHEART    |            | Notifications: MARK RING RDO                     |   |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER         |            | ED GOODWIN EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | MOSTELLER FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

REACTOR TRIP AND MAIN STEAM ISOLATION RESULTED IN A UNUSUAL EVENT BEING DECLARED.

"AT 1028 CDT AN INADVERTENT STEAM LINE ISOLATION (TRAIN A) OCCURRED CAUSING AN AUTOMATIC REACTOR TRIP ON LO-2 STEAM GENERATOR LEVELS. STEAM RELEASE THROUGH THE S/G PORVs AND S/G SAFETIES DISPLACED A GALLERY WHICH DAMAGED THE TURBINE BUILDING ROOF. NO DAMAGE WAS DONE TO EQUIPMENT IN THE TURBINE BUILDING UPON INITIAL INVESTIGATION. A GSEP (UE) WAS CLASSIFIED BASED ON A FAILURE THAT IMPARTS SIGNIFICANT ENERGY TO NEARBY STRUCTURES.

DECAY HEAT IS BEING REMOVED BY THE STEAM GENERATOR PORVs. ALL CONTROL RODS FULLY INSERTED INTO THE CORE. THE STEAM GENERATOR SAFETIES HAVE RESEATED. THE GSEP (UE) CLASSIFICATION HAS BEEN TERMINATED AT 1125 CDT BASED ON NO FURTHER POTENTIAL FOR STRUCTURAL DAMAGE. THE UNIT IS BEING STABILIZED IN MODE 3 FOR FURTHER INVESTIGATION OF THE EVENT."

THE UNUSUAL EVENT WAS DECLARED AT 1054 CDT. THE ILLINOIS DEPARTMENT OF NUCLEAR SAFETY, THE ILLINOIS SAFETY AND DISASTER AGENCY AND THE NRC RESIDENT INSPECTOR WERE NOTIFIED BY THE LICENSEE.

\*\*\* UPDATE BY GRAHAM AT 2004 EDT ON 8/11/94 TAKEN BY WEAVER \*\*\*

AT 1555 CDT, AN INADVERTENT STEAM LINE ISOLATION (TRAIN A) OCCURRED, CLOSING THE MSIV BYPASS VALVES. PLANT COOLDOWN ON STEAM DUMPS WAS IN PROGRESS. THE COOLDOWN WAS TERMINATED UPON RECEIVING THE STEAM LINE ISOLATION SIGNAL. PLANT COOLDOWN WAS CONTINUED ON THE STEAM GENERATOR PORVs. THIS IS THE SAME SIGNAL WHICH CAUSED THE ORIGINAL EVENT. THE CAUSE IS STILL UNDER INVESTIGATION.

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Power Reactor

Event # 27659

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED RDO (RING).

\*\*\*\*\*

Power Reactor

Event # 27675

|                                |           |  |   |
|--------------------------------|-----------|--|---|
| Site: HADDAM NECK              |           | Notification Date / Time: 08/15/1994 19:05 (EDT) |   |
| Unit: 1                        | Region: 1 | State : CT                                       | Event Date / Time: 08/15/1994 18:55 (EDT) |
| Reactor Type: [1] W-4-LP       |           | Last Modification: 08/15/1994                    |   |
| Containment Type:              |           |  |   |
| NRC Notified by: MCDONALD      |           | Notifications: RICHARD KEIMIG RDO                |   |
| HQ Ops Officer: GREG SCARFO    |           | GUS LAINAS EO                                    |   |
| Emergency Class: UNUSUAL EVENT |           | LAUZONIS FEMA                                    |   |
| 10 CFR Section:                |           |  |   |
| 50.72(a)(1)(i)                 |           | EMERGENCY DECLARED                               |   |
| TECH SPEC LCO A/S              |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Startup         | 0          | Hot Standby     |

AN NOUE WAS DECLARED WHEN THE ROD POSITION INDICATION SYSTEM WAS DECLARED INOPERABLE AND SIX CONTROL RODS BECAME MISALIGNED DURING A STARTUP. A TECHNICAL SPECIFICATION (T/S)-REQUIRED SHUTDOWN OF THE UNIT WAS COMPLETED.

AT 1855EDT, AN NOUE WAS DECLARED WHEN THE ROD POSITION INDICATION SYSTEM WAS DECLARED INOPERABLE AFTER SIX CONTROL RODS BECAME MISALIGNED BY GREATER THAN SIXTEEN STEPS DURING THE REACTOR STARTUP. THE CONTROL RODS AFFECTED ARE IN CONTROL BANK "C" AND INCLUDE RODS "10", "11", "12", "13", "31", "32", AND "33". AFTER OPERATORS ATTEMPTED TO RE-ALIGN THE AFFECTED RODS, T/S ACTION STATEMENT 3.1.3.2 WAS ENTERED AND A CONTROLLED PLANT SHUTDOWN WAS INITIATED. THE CAUSE OF THE MISALIGNMENT IS UNKNOWN AT THIS TIME BUT AN INVESTIGATION IS UNDERWAY.

THE NOUE WAS TERMINATED AT 1920EDT WHEN THE UNIT WAS STABLE IN HOT STANDBY AND THE REACTOR TRIP BREAKERS WERE OPENED. STATE AND LOCAL AGENCIES WERE NOTIFIED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 27677

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: COOK                          |            | Notification Date / Time: 08/16/1994 00:38 (EDT) |   |                 |            |                 |
| Unit: 2                             | Region: 3  | State : MI                                       | Event Date / Time: 08/15/1994 23:50 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 08/16/1994                    |   |                 |            |                 |
| Containment Type: ICE COND          |            |  |   |                 |            |                 |
| NRC Notified by: NED WOLLENSLEGEL   |            | Notifications: THOMAS BURDICK RDO                |   |                 |            |                 |
| HQ Ops Officer: THOMAS ANDREWS      |            | GUS LAINAS EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | DAN SULLIVAN FEMA                                |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | A/R        | Yes  | 61  | Power Operation | 0          | Hot Standby     |

## UNUSUAL EVENT DECLARED --- LOSS OF ALL NORMAL FEEDWATER

THE LICENSEE WAS OPERATING AT 61% RATED THERMAL POWER IN A NORMAL END-OF-CYCLE COASTDOWN WHILE OPERATORS WERE TROUBLESHOOTING A "D" BUS LOW VOLTAGE ALARM. THE OPERATORS SECURED THE "#21" CIRCULATING WATER PUMP, LEAVING THE REMAINING THREE CIRCULATING PUMPS OPERATING. AT THIS POWER LEVEL, THERE SHOULD HAVE BEEN ADEQUATE CIRCULATING WATER FLOW THROUGH THE MAIN FEED PUMP CONDENSER FROM THESE 3 REMAINING CIRCULATING WATER PUMPS.

WHEN THE CIRCULATING WATER PUMP WAS TAKEN OUT OF SERVICE, MAIN FEED PUMP CONDENSER VACUUM DECREASED TO THE POINT WHERE BOTH MAIN FEED PUMPS TRIPPED ON LOSS OF VACUUM. MAIN CONDENSER VACUUM WAS NOT LOST. AT 2350 EDT ON 08/15/94, WHEN THE LEVEL IN THE "#3" STEAM GENERATOR DECREASED TO THE LOW LEVEL CONDITION (APPROXIMATELY 26%), THE REACTOR TRIPPED ON LOW LEVEL COINCIDENT WITH LOW FLOW IN THE "#3" STEAM GENERATOR.

SYSTEM RESPONSE FOLLOWING THE TRIP WAS NORMAL. ALL RODS FULLY INSERTED AFTER THE TRIP. THERE WERE NO PRIMARY OR SECONDARY PORV OR SAFETY VALVE ACTUATIONS. THE MAIN TURBINE TRIPPED. ALL THE REACTOR COOLANT PUMPS REMAINED RUNNING THROUGHOUT THE EVENT. NORMAL OFFSITE POWER IS AVAILABLE AND THE DIESELS ARE IN STANDBY. NO SAFETY EQUIPMENT IS OUT OF SERVICE. AUXILIARY FEEDWATER ACTUATED AS DESIGNED (BOTH THE MOTOR DRIVEN PUMPS AND THE TURBINE DRIVEN PUMP STARTED) AND A FEEDWATER ISOLATION OCCURRED AS EXPECTED. STEAM GENERATOR WATER LEVEL IS BEING MAINTAINED USING THE AUXILIARY FEEDWATER SYSTEM. STEAM IS BEING DUMPED TO THE CONDENSER WITH THE CONDENSER SERVING AS THE HEAT SINK.

THE LICENSEE NOTED THAT THE SOURCE RANGE DETECTORS ARE CONSIDERED TO BE FUNCTIONAL BUT NOT OPERABLE. THIS IS A RESULT OF THEM BEING ENERGIZED FOR APPROXIMATELY 30

Power Reactor

Event # 27677

MINUTES WHILE THE REACTOR WAS AT 100% RATED THERMAL POWER EARLIER IN THE CYCLE. THE LICENSEE STATED THAT THE READINGS FROM THE SOURCE RANGE DETECTORS APPEARED TO BE NORMAL AND WERE TRENDING AS EXPECTED.

WHILE REVIEWING THE EVENT, THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON LOSS OF ALL NORMAL FEEDWATER AT 0035 EDT ON 08/16/94. BECAUSE AUXILIARY FEEDWATER HAD ACTUATED AND WAS MAINTAINING STEAM GENERATOR LEVEL, THE UNUSUAL EVENT WAS TERMINATED AT 0035 EDT ON 08/16/94.

THE LICENSEE IS INVESTIGATING THE CAUSE OF THE LOSS OF MAIN FEED PUMP CONDENSER VACUUM BUT SPECULATES THAT BIOLOGICAL FOULING (ZEBRA MUSCLES) MAY HAVE CONTRIBUTED TO THIS EVENT. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED. A PRESS RELEASE IS NOT PLANNED AT THIS TIME.

HOO NOTE: THE LICENSEE CALLED AT 0308 TO UPDATE THIS EVENT TO REFLECT A 4 HOUR REPORTABLE REQUIREMENT FOR THE RPS ACTUATION. BECAUSE THERE WAS SIGNIFICANT OVERLAP BETWEEN THE TWO REPORTS, THE TEXT OF THE INITIAL NOTIFICATION WAS MODIFIED TO REFLECT THE UPDATED INFORMATION AS APPROPRIATE.

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Power Reactor

Event # 27702

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: HADDAM NECK                      |            | Notification Date / Time: 08/24/1994 11:12 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 1  | State : CT                                       | Event Date / Time: 08/24/1994 10:45 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP               |            | Last Modification: 08/24/1994                    |   |                 |            |                 |
| Containment Type:                      |            |  |   |                 |            |                 |
| NRC Notified by: BILL BARTRON          |            | Notifications: JOHN KINNEMAN RDO                 |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN        |            | BOB DENNIG EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 90         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A POWER RUNBACK WHILE IN A TECH SPEC REQUIRED SHUTDOWN LIMITING CONDITION OF OPERATION (LCO).

THE INDIVIDUAL ROD POSITION INDICATOR (IRPI) FOR CONTROL ROD 29 WAS EXHIBITING SOME ERRATIC BEHAVIOR. WORK WAS INITIATED TO AFFECT REPAIRS WHICH REQUIRED THAT THE IRPI CIRCUIT FOR ROD 29 PLUS TWO ADDITIONAL ROD IRPI'S BE DE-ENERGIZED. THIS PLACED THE LICENSEE IN A TECH SPEC LCO WHICH REQUIRED THE PLANT TO SHUTDOWN IF NOT RESTORED WITHIN SIX HOURS (TS 3.1.3.2.C).

WHILE REPAIRING THE ROD 29 IRPI, AN I&C TECHNICIAN INADVERTENTLY INITIATED A LOAD RUNBACK TO 90% WHEN A FALSE ROD BOTTOM SIGNAL WAS INSERTED. BECAUSE THE LICENSEE WAS IN A SHUTDOWN LCO, THE RUNBACK WAS CONSERVATIVELY INTERPRETED AS A COMMENCEMENT OF SHUTDOWN. THIS, IN TURN, IS CLASSIFIED AS AN UNUSUAL EVENT PER THE LICENSEE'S EPIP'S (ACTUAL REDUCTION OF POWER WHILE IN A TECH SPEC SHUTDOWN LCO). LOAD WAS STABILIZED AT 90%. IRPI REPAIRS WERE COMPLETED AT 11:02 EDT AND THE TECH SPEC ACTION STATEMENT AND THE UNUSUAL EVENT TERMINATED.

ALL SYSTEMS FUNCTIONED AS REQUIRED DURING THE RUNBACK. POWER WILL BE RETURNED TO 100% FOLLOWING A CRITIQUE. THE NRC RESIDENT, STATE AND LOCAL AUTHORITIES HAVE BEEN INFORMED.

\*\*\*\*\*

Power Reactor

Event # 27703

|                                     |            |            |            |  |            |                 |
|-------------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: INDIAN POINT                  |            |            |            | Notification Date / Time: 08/24/1994 14:44 (EDT) |            |                 |
| Unit: 3                             | Region: 1  | State : NY |            | Event Date / Time: 08/24/1994 11:00 (EDT)        |            |                 |
| Reactor Type: [2] W-4-LP,[3] W-4-LP |            |            |            | Last Modification: 08/24/1994                    |            |                 |
| Containment Type: DRY AMB           |            |            |            |  |            |                 |
| NRC Notified by: VITO MESSINA       |            |            |            | Notifications: JOHN KINNEMAN RDO                 |            |                 |
| HQ Ops Officer: DOUG WEAVER         |            |            |            | ED GOODWIN EO                                    |            |                 |
| Emergency Class: UNUSUAL EVENT      |            |            |            | HERSKO FEMA                                      |            |                 |
| 10 CFR Section:                     |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |            |            |  |            |                 |
| Unit                                | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 3                                   | N          | No         | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO THE TRANSPORTATION OF AN INJURED AND POTENTIALLY CONTAMINATED INDIVIDUAL OFF-SITE.

AT 1100 EDT A PLANT OPERATOR FELL APPROXIMATELY TWELVE FEET ONTO CONCRETE THROUGH AN OPEN HATCH IN THE PRIMARY AUXILIARY BUILDING. THE MAN WAS DISCOVERED AT 1230 EDT AFTER HE WAS IDENTIFIED AS MISSING. THE INDIVIDUAL WAS WEARING ANTI-Cs, AND DUE TO THE NATURE OF THE INJURIES, WAS NOT ABLE TO BE TURNED OVER TO BE SURVEYED FOR CONTAMINATION. THE PERSON HAS APPARENTLY SUFFERED SOME BROKEN RIBS. THE INJURED OPERATOR IS BEING TRANSPORTED OFFSITE TO THE HUDSON VALLEY MEDICAL CENTER. THE UNUSUAL EVENT WAS DECLARED AT 1433 WHEN THE MAN LEFT THE SITE IN AN AMBULANCE. NO CONTAMINATION WAS FOUND ON THE TRANSFER ROUTE BETWEEN THE FALL LOCATION AND THE AMBULANCE.

THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES. THE LICENSEE WILL BE ISSUING A PRESS RELEASE.

\*\*\* UPDATE AT 1600 ON 8/24/94 BY DONG TAKEN BY WEAVER \*\*\*

THE UE WAS TERMINATED AT 1548 BASED ON A COMPLETE SURVEY OF THE MAN AT THE OFFSITE MEDICAL CENTER REVEALING NO CONTAMINATION. HOO NOTIFIED R1DO (KINNEMAN), EO (GOODWIN), FEMA (BAGWELL).

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Power Reactor

Event # 27715

|   |            |                    |            |  |            |   |
|---|------------|--------------------|------------|--|------------|---|
| Site: THREE MILE ISLAND                 |            |                    |            | Notification Date / Time: 08/25/1994 20:50 (EDT) |            |   |
| Unit: 1                                 |            | Region: 1          |            | State : PA                                       |            | Event Date / Time: 08/25/1994 20:32 (EDT) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP |            |                    |            | Last Modification: 08/25/1994                    |            |   |
| Containment Type: DRY AMB               |            |                    |            |  |            |   |
| NRC Notified by: RANDY KENNEDY          |            |                    |            | Notifications: MOHAMED SHANBAKY RDO              |            |   |
| HQ Ops Officer: THOMAS ANDREWS          |            |                    |            | MARTIN VIRGILIO EO                               |            |   |
| Emergency Class: UNUSUAL EVENT          |            |                    |            | DAN SULLIVAN FEMA                                |            |   |
| 10 CFR Section:                         |            |                    |            |  |            |   |
| 50.72(a)(1)(i)                          |            | EMERGENCY DECLARED |            |  |            |   |
| 50.72(b)(1)(iii)                        |            | TORNADO            |            |  |            |   |
| Unit                                    | Scram Code | RX Crit            | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                       | N          | Yes                | 100        | Power Operation                                  | 100        | Power Operation                           |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TORNADO WARNING BEING DECLARED FOR THE AREA AROUND THE PLANT. A TORNADO WAS SPOTTED ABOUT 10 MILES UP RIVER MOVING DOWN RIVER (SOUTH-EAST) IN THE GENERAL DIRECTION OF THE PLANT.

THE UNUSUAL EVENT WILL BE TERMINATED WHEN THE TORNADO WARNING IS LIFTED.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS.

\*\*\*\* UPDATE AT 2147 EDT ON 08/25/94 BY KENNEDY TAKEN BY ANDREWS \*\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 2133 EDT WHEN THE TORNADO WARNING WAS LIFTED. THE GRID IS PRESENTLY STABLE AND THE DIESEL GENERATORS ARE AVAILABLE AND OPERABLE IF NEEDED. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED.

THE LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION.

HOO NOTIFIED R1DO (SHANBAKY), EO (VIRGILLIO), FEMA (BAGWELL).

\*\*\*\*\*

Power Reactor

Event # 27762

|                                |                    |  |   |
|--------------------------------|--------------------|--|---|
| Site: RIVER BEND               |                    | Notification Date / Time: 09/08/1994 23:54 (EDT) |   |
| Unit: 1                        | Region: 4          | State : LA                                       | Event Date / Time: 09/08/1994 20:28 (CDT) |
| Reactor Type: [1] GE-6         |                    | Last Modification: 09/09/1994                    |   |
| Containment Type: MARK III     |                    |  |   |
| NRC Notified by: CLARK         |                    | Notifications: ART HOWELL RDO                    |   |
| HQ Ops Officer: TIM McGINTY    |                    | STEVEN VARGA EO                                  |   |
| Emergency Class: UNUSUAL EVENT |                    | BAGWELL FEMA                                     |   |
| 10 CFR Section:                |                    | CALLAN R4  |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED | BEACH R4   |   |
| 50.72(b)(2)(ii)                | RPS ACTUATION      | ROE NRR  |   |
| 50.72(b)(2)(ii)                | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 97         | Power Operation | 0          | Hot Standby     |

AUTOMATIC REACTOR SCRAM FROM 97% POWER, WITH FAILURE OF THE MAIN GENERATOR AND THE TURBINE TO AUTOMATICALLY TRIP.

RIVER BEND HAD AN AUTOMATIC REACTOR SCRAM AT 2028 CDT FROM 97% POWER. THE EXACT CAUSE OF THE SCRAM IS UNKNOWN AND IS BEING INVESTIGATED. THE SCRAM APPEARED ROUTINE FOR APPROXIMATELY 5 MINUTES, WHEN OPERATORS NOTED THAT IT APPEARED THAT THE MAIN GENERATOR AND THE TURBINE HAD FAILED TO TRIP. OPERATORS THEN MANUALLY TRIPPED THE MAIN TURBINE AND THE MAIN GENERATOR OUTPUT BREAKERS.

THE TRIPPING OF THE MAIN GENERATOR OUTPUT BREAKERS CAUSED AN "ELECTRICAL TRANSIENT", RESULTING IN A LOSS OF NORMAL CONDENSATE AND FEEDWATER AND A MAIN STEAM ISOLATION. OPERATORS UTILIZED MANUAL OPERATION OF THE SAFETY RELIEF VALVES (SRV's) TO CONTROL REACTOR PRESSURE, IN ADDITION TO MAIN STEAM LINE DRAIN CAPABILITY (FROM UPSTREAM OF THE INBOARD MSIV's). RCIC (REACTOR CORE ISOLATION COOLING) WAS INITIALLY STARTED MANUALLY, BUT IMMEDIATELY TRIPPED (FOR REASONS UNKNOWN AND BEING INVESTIGATED). OPERATORS THEN MANUALLY UTILIZED HIGH PRESSURE CORE SPRAY (HPCS) TO MAINTAIN AND CONTROL REACTOR VESSEL LEVEL.

THE LOWEST LEVEL REACHED DURING THE EVENT WAS APPROXIMATELY +2" (NARROW RANGE), WHICH IS BETWEEN LEVEL 3 AND LEVEL 2. THERE WERE NO AUTOMATIC INITIATIONS OF ECCS EQUIPMENT (SETPOINTS ARE LEVEL 2). REACTOR PRESSURE, TEMPERATURE AND LEVEL ARE CURRENTLY STABLE, WITH PRESSURE BEING MAINTAINED BETWEEN 800-1000#, TEMPERATURE AT 500F AND LEVEL NORMAL AT +36" (NARROW RANGE). OPERATORS ARE IN THE PROCESS OF TRYING TO ESTABLISH ALTERNATE METHODS OF PRESSURE CONTROL. THERE WERE ALSO VARIOUS PRIMARY AND BALANCE OF PLANT (BOP) ISOLATIONS AND SYSTEM ACTUATIONS ASSOCIATED WITH THE EVENT, BUT A DETAILED LISTING WAS NOT AVAILABLE AT THE TIME OF THE CALL.

THE UNUSUAL EVENT WAS DECLARED AT THE DISCRETION OF THE SHIFT SUPERVISOR AT 2209 CDT,

Power Reactor

Event # 27762

BASED ON THE JUDGMENT THAT AUGMENTED SUPPORT WAS DESIRABLE TO AID IN RESTORING SYSTEMS AND TO ENSURE NO OTHER DIFFICULTIES WERE INCURRED. THE PLANT DID NOT MEET ANY OF THE EAL (EMERGENCY ACTION LEVEL) CRITERIA WHICH WOULD REQUIRE DECLARING AN UNUSUAL EVENT.

WHEN THE OPERATORS MANUALLY TRIPPED THE MAIN GENERATOR OUTPUT BREAKERS, THE NORMAL STATION BUSES (WHICH RECEIVE POWER FROM PREFERRED BUSES) EXPERIENCED A VERY SLOW TRANSFER CAUSING A LOSS OF AUXILIARY SYSTEMS (MAIN FEED AND CONDENSATE PUMPS, RECIRCULATION PUMPS, ETC...). THE NORMAL RPS (REACTOR PROTECTION SYSTEM) POWER SUPPLIES (VIA THE MG SETS) WERE ALSO LOST DURING THE ELECTRICAL TRANSIENT, WHICH CAUSED SOME OF THE ISOLATIONS EXPERIENCED, AND OPERATORS QUICKLY TRANSFERRED TO THE ALTERNATE RPS POWER SUPPLY. THE PLANT SAFETY BUSES REMAINED ENERGIZED THROUGHOUT THE EVENT (NORMALLY POWERED FROM OFF-SITE POWER), AND THE EMERGENCY DIESEL GENERATORS WERE NEVER REQUIRED TO START.

OPERATORS ARE IN THE PROCESS OF RESTORING AT LEAST ONE RECIRCULATION PUMP AND ONE MAIN STEAM LINE TO SERVICE. NORMAL CONDENSATE AND FEED HAS ALREADY BEEN RESTORED. HPCS REMAINS RUNNING, BUT IS NO LONGER INJECTING BECAUSE VESSEL LEVEL IS BEING ADEQUATELY MAINTAINED VIA THE CRDH (CONTROL ROD DRIVE HYDRAULIC) SYSTEM. THE CALLER STATED THAT THE COOLDOWN EXPERIENCED IS CURRENTLY BEING PLOTTED, HOWEVER, THERE WAS NO MAJOR LOWERING OF RX VESSEL PRESSURES OR LEVELS. THE UNIT IS NOT EXPERIENCING ANY PROBLEMS WITH SUPPRESSION POOL COOLING OR SRV OPERATIONS. ALL RODS FULLY INSERTED INTO THE CORE ON THE REACTOR SCRAM. THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR, WHO IS IN THE CONTROL ROOM AT THIS TIME, AND STATE AND LOCAL AUTHORITIES. THE LICENSEE INTENDS TO TERMINATE THE UNUSUAL EVENT IN A FAIRLY SHORT TIME FRAME.

AT 0030 EDT, THE RESIDENT INSPECTOR (WARD SMITH) BRIEFED THE FOLLOWING INDIVIDUALS ON THE EVENT: R4RA (CALLAN), R4 (BEACH, HARREL), R4DO (HOWELL), NRR EO (VARGA) AND NRR PD 3&4 (ROE).

\*\* UPDATE DATE/TIME: 9/9/94 @ 0155 EDT \*FROM LICENSEE: CLARK BY: McGINTY\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0055 CDT. THE INITIAL LOOK AT THE COMPUTER PRINTOUT INDICATES THAT THE REACTOR SCRAM WAS DUE TO A LEVEL TRANSIENT, SPECIFICALLY A HIGH LEVEL (LEVEL 8, +51") TURBINE TRIP AND REACTOR SCRAM SIGNAL. THE EXACT CAUSE OF THE TRANSIENT IS STILL UNDER INVESTIGATION. THE ABNORMAL CONDITIONS REGARDING THE TURBINE GENERATOR TRIP (AS WELL AS THE RCIC TRIP) ARE STILL BEING EVALUATED. THE LICENSEE HAS RESTORED THE MAIN STEAM LINES TO SERVICE AND ARE CONTROLLING PRESSURE WITH NORMAL STEAM BYPASS. REACTOR PRESSURE VESSEL LEVEL CONTROL HAS BEEN RE-ESTABLISHED WITH THE NORMAL CONDENSATE AND FEEDWATER SYSTEM. THEY ARE STILL PURSUING THE RESTART OF A RECIRCULATION PUMP (ESTABLISHING DESIRABLE DELTA T AND PRESSURE CONDITIONS). THE INITIAL PLANS ARE TO PROCEED TO COLD SHUTDOWN. THE PLANT IS STABLE IN HOT STANDBY.

HOO NOTIFIED THE R4DO (HOWELL) AND FEMA (NUSE).

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Power Reactor

Event # 27772

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 09/09/1994 17:01 (EDT) |            |   |
| Unit: 3                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 09/09/1994 16:40 (EDT) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 09/09/1994                    |            |   |
| Containment Type: DRY SUB                |            |           |            |  |            |   |
| NRC Notified by: BURTON                  |            |           |            | Notifications: EBE MCCABE                        |            | RDO                                       |
| HQ Ops Officer: GREG SCARFO              |            |           |            | STEVEN VARGA                                     |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |           |            | EARLE  |            | FEMA                                      |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |            |           |            |  |            |   |
| TECH SPEC LCO A/S                        |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 3  | N          | No        | 0          | Hot Shutdown                                     | 0          | Hot Shutdown                              |

AN NOUE WAS DECLARED AT 1640EDT WHEN BORIC ACID RESIDUES WERE DISCOVERED DURING AN INSPECTION OF CONTAINMENT IN PREPARATION FOR MAIN STEAM ISOLATION VALVE (MSIV) MAINTENANCE. THE BORIC ACID RESIDUES WERE THE RESULT OF A SMALL LEAK FROM A REACTOR COOLANT SYSTEM (RCS) FLOW TAP.

AN NOUE WAS DECLARED AT 1640EDT WHEN BORIC ACID RESIDUES WERE DISCOVERED ON THE CONTAINMENT FLOOR DURING A VISUAL INSPECTION OF THE CONTAINMENT IN PREPARATION FOR REPAIRS OF MSIV "C". AN INVESTIGATION DETERMINED THE SOURCE OF THE BORIC ACID TO BE A MANUAL VALVE ON A 0.75" FLOW TAP FROM RCS LOOP "C". THE LEAK RATE WAS SO SMALL THAT IT WAS UNDETECTABLE FROM CONTROL ROOM INSTRUMENTATION DURING PLANT OPERATIONS. UPON DISCOVERY, THE UNIT ENTERED TECHNICAL SPECIFICATION ACTION STATEMENT 3.4.6.2 AND PROCEEDED TO COLD SHUTDOWN AS SPECIFIED.

THE CRACKED VALVE ON THE FLOW TAP LINE WILL BE REPLACED. THE CRITERIA FOR EXITING THE NOUE IS ENTRY INTO COLD SHUTDOWN. A RESTART IS NOT EXPECTED UNTIL 09/12/94. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\*UPDATE AT 08:21 @ 09/10/94 BY FETTERMAN TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 08:07 DUE TO THE PLANT BEING IN COLD SHUTDOWN. RI WILL BE INFORMED. FEMA(STINEDURF), EO(VARGA) & RDO(EBE McCABE) WERE NOTIFIED.

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Power Reactor

Event # 27859

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 10/04/1994 11:59 (EDT) |   |
| Unit: 1 2                           | Region: 4 | State : CA                                       | Event Date / Time: 10/04/1994 08:30 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/04/1994                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: DAVID PATTY        |           | Notifications: LINDA KASNER RDO                  |   |
| HQ Ops Officer: DOUG WEAVER         |           | DENNIG EO  |   |
| Emergency Class: UNUSUAL EVENT      |           | SULLIVAN FEMA                                    |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

## UNUSUAL EVENT DECLARED BASED ON TSUNAMI WARNING

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON A TSUNAMI WARNING. THE TSUNAMI IS EXPECTED TO REACH THE PACIFIC COAST AT APPROXIMATELY 1600 PDT TODAY. THE EARTHQUAKE THAT CAUSED THIS TSUNAMI HAD AN EPICENTER LOCATED ON THE EAST COAST OF JAPAN. THE STRENGTH OF THE EARTHQUAKE WAS 8.2 ON THE RICHTER SCALE.

THE DIABLO CANYON PLANTS ARE LOCATED ON A BLUFF 85 FEET ABOVE SEA LEVEL. THE PRIMARY CONCERN IS THAT THEIR AUXILIARY SALT WATER SYSTEM WILL LOSE SUCTION DURING THE DRAW DOWN. A SECONDARY CONCERN IS POTENTIAL DAMAGE TO THE INTAKE STRUCTURE.

THE LICENSEE NOTIFIED THE CALIFORNIA STATE DEPARTMENT OF OPERATIONS OF EMERGENCY SERVICES AND LOCAL COUNTY OFFICIALS. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1825 BY PATTY TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1508 PDT WHEN THE TSUNAMI WARNING WAS CANCELED. THE HOO NOTIFIED THE RDO (KASNER), EO (LAINAS), FEMA (HERSCH).

\*\*\*\*\*

Power Reactor

Event # 27864

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HATCH                       |           | Notification Date / Time: 10/05/1994 11:40 (EDT) |   |
| Unit: 1 2                         | Region: 2 | State : GA                                       | Event Date / Time: 10/05/1994 11:13 (CDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 10/05/1994                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: MUSGROVE         |           | Notifications: PAUL FREDRICKSON RDO              |   |
| HQ Ops Officer: DOUG WEAVER       |           | DENNIG EO  |   |
| Emergency Class: UNUSUAL EVENT    |           | MOSTELLER FEMA                                   |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED BASED ON CARBON DIOXIDE RELEASE INTO THE CONTROL BUILDING.

A MOTOR CONTROL CENTER (MCC) LOCATED IN THE CONTROL BUILDING WAS DEENERGIZED FOR MAINTENANCE. BECAUSE OF A PRE-EXISTING FAILURE IN THE FIRE SUPPRESSION SYSTEM, A STUCK OPEN VALVE, CARBON DIOXIDE WAS RELEASED INTO THE CONTROL BUILDING WHEN THE MCC WAS DEENERGIZED. THE CONTROL BUILDING OUTSIDE OF THE CONTROL ROOM WAS EVACUATED AS A PRECAUTION. THE CONTROL ROOM WAS NOT AFFECTED. THE MINIMUM OXYGEN LEVEL MEASURED AFTER THE EVENT IN THE CONTROL BUILDING WAS 19%.

THE RELEASE HAS BEEN TERMINATED AND PEOPLE HAVE RETURNED TO THE CONTROL BUILDING. THE LICENSEE HAS NOTIFIED THE GEORGIA EMERGENCY MEDICAL DEPARTMENT AND THE LOCAL COUNTIES. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1210 CDT BASED ON SATISFACTORY AIR SAMPLES IN THE CONTROL BUILDING AND TERMINATION OF THE DISCHARGE.

\*\*\*\*\*

Power Reactor

Event # 27875

|                                    |            |  |   |                 |            |                 |
|------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: COOPER                       |            | Notification Date / Time: 10/06/1994 20:19 (EDT) |   |                 |            |                 |
| Unit: 1                            | Region: 4  | State : NE                                       | Event Date / Time: 10/06/1994 16:55 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-4             |            | Last Modification: 10/08/1994                    |   |                 |            |                 |
| Containment Type: MARK I           |            |  |   |                 |            |                 |
| NRC Notified by: RATZLAFF          |            | Notifications: LINDA KASNER RDO                  |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN    |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT     |            | LOUZONIS FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                    |            |  |   |                 |            |                 |
| 50.72(b)(2)(i) DEG/UNANALYZED COND |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |  |   |                 |            |                 |
| Unit                               | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                  | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

#### APPENDIX R CONCERN REGARDING LOCATION OF CO2 FIRE SUPPRESSION SYSTEM PRESSURE SWITCHES.

THE CO2 FIRE SUPPRESSION SYSTEM PRESSURE SWITCHES FOR THE EMERGENCY DIESEL GENERATORS CAUSE THE EDG HVAC SYSTEM TO SHUTDOWN AFTER ACTIVATION OF CO2 DURING A FIRE. THE LICENSEE HAS FOUND THE PRESSURE SWITCHES FOR THIS SYSTEM ARE BOTH LOCATED IN THE SAME FIRE AREA (FIRE AREA 8) OUTSIDE OF EITHER OF THE EDG GENERATOR ROOMS. THE LICENSEE STATES THAT A FIRE IN VICINITY OF THE PRESSURE SWITCHES COULD CAUSE BOTH EDG HVAC UNITS TO BE RENDERED INOPERABLE BY DISABLING CONTROL POWER TO THE HVAC FAN MOTORS. IF THE EDG'S WERE RUNNING, THIS COULD EVENTUALLY CAUSE THEM TO OVERHEAT AND BE RENDERED INOPERABLE AS WELL. THIS IS IN VIOLATION OF APPENDIX R SEPARATION REQUIREMENTS AND IS NOT IN ACCORDANCE WITH THE PLANT'S DESIGN BASIS DOCUMENTS.

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED.

\*\*\*UPDATE FROM LICENSEE:HITZEL TO NRC:HUFFMAN AT 1528 EDT ON 10/7/94\*\*\*

UNUSUAL EVENT DECLARED AT 1418 CDT ON 10/7/94 BASED ON INOPERABILITY OF BOTH EMERGENCY DIESEL GENERATORS.

UPON FURTHER EVALUATION OF THE ABOVE CONDITION, IT WAS REALIZED THAT THE CO2 SWITCHES WERE LOCATED IN A SEISMIC CATEGORY 2 STRUCTURE. THIS REPRESENTS A POTENTIAL COMMON MODE FAILURE FOR THE EDG'S. THE SEISMIC CONCERN IS AN UNANALYZED CONDITION. BOTH EDG'S HAVE BEEN DECLARED INOPERABLE BUT ARE STILL CONSIDERED AVAILABLE.

THE INOPERABILITY OF BOTH EDG'S RESULTS IN THE UNUSUAL EVENT CLASSIFICATION. THIS WAS NOT CONSIDERED A UNUSUAL EVENT BASED ON THE FIRE CONCERN CITED ABOVE BECAUSE OF A FIRE WATCH THAT WAS POSTED AT THE LOCATION OF THE CO2 SWITCHES. NO SIMILAR

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Power Reactor  
COMPENSATORY ACTION IS AVAILABLE TO MITIGATE THE SEISMIC CONCERN.

Event # 27875

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED AS WELL AS STATE AND LOCAL AUTHORITIES.

\*\*\* UPDATE 10/08/94 @ 0704ET BY R TANDERUP TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 0600CT AFTER # 2 EDG WAS DECLARED OPERABLE.

AT 0600CT LICENSEE EXITED NOTIFICATION OF AN UNUSUAL EVENT DUE TO ENTERING EAL 4.12 (INOPERABILITY OF BOTH EDGs WITH OFFSITE POWER AVAILABLE). AT 0545CT # 2 EDG WAS DECLARED OPERABLE AFTER A PLANT TEMPORARY MODIFICATION WAS INSTALLED TO BYPASS THE DIESEL GENERATOR HEATING & VENTILATION FAN TRIP ON THE INITIATION OF THE DIESEL GENERATOR CARBON DIOXIDE SYSTEM. PLANT TEMPORARY MODIFICATION WILL BE MADE TO # 1 EDG LATER TODAY AT WHICH TIME # 1 EDG WILL BE DECLARED OPERABLE. STATE AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED OF THE TERMINATION OF THE UNUSUAL EVENT CLASSIFICATION. R4DO (LINDA KASNER), EO (GUS LAINAS) & FEMA (BAGWELL) NOTIFIED.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 27897

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: BRAIDWOOD                     |           | Notification Date / Time: 10/13/1994 10:46 (EDT) |   |
| Unit: 1 2                           | Region: 3 | State : IL                                       | Event Date / Time: 10/13/1994 08:55 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/13/1994                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: HIGINBOTHAM        |           | Notifications: RONALD GARDNER RDO                |   |
| HQ Ops Officer: DOUG WEAVER         |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

## TRANSPORTATION OF A POTENTIALLY CONTAMINATED MAN OFF SITE

AN UNUSUAL EVENT WAS DECLARED AT 0855 CDT WHEN A POTENTIALLY CONTAMINATED COMED EMPLOYEE WAS TRANSFERRED TO A LOCAL HOSPITAL. THE MAN INJURED HIS FINGER WHILE WORKING IN A RADIOLOGICALLY CONTROLLED AREA (RCA). THE INITIAL REPORT TO THE CONTROL ROOM INDICATED THAT THE MAN WOULD NOT BE DECONTAMINATED ON SITE BECAUSE OF THE SERIOUSNESS OF THE INJURY. HIS FINGER WAS ALMOST SEVERED.

THE UNUSUAL EVENT WAS TERMINATED AT 0921 CDT WHEN IT WAS DISCOVERED THAT THE INDIVIDUAL WAS ACTUALLY DECONTAMINATED PRIOR TO LEAVING THE SITE.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 27903

|  |           |  |   |
|--|-----------|--|---|
| Site: VERMONT YANKEE                   |           | Notification Date / Time: 10/14/1994 15:58 (EDT) |   |
| Unit: 1                                | Region: 1 | State : VT                                       | Event Date / Time: 10/14/1994 15:12 (EDT) |
| Reactor Type: [1] GE-4                 |           | Last Modification: 10/14/1994                    |   |
| Containment Type: MARK I               |           |  |   |
| NRC Notified by: BROOKS                |           | Notifications: MODES RDO                         |   |
| HQ Ops Officer: BOB STRANSKY           |           | CALVO EO   |   |
| Emergency Class: UNUSUAL EVENT         |           | WITSBERGER FEMA                                  |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

PLANT ENTERED A 24 HOUR LIMITING CONDITION FOR OPERATION DUE TO A SMALL SERVICE WATER LEAK.

THE LICENSEE HAS DISCOVERED A SMALL LEAK ON THE SHELL DRAIN LINE OF ONE OF THE REACTOR BUILDING CLOSED COOLING WATER (RBCCW) HEAT EXCHANGERS. THE LEAK CANNOT BE ISOLATED BECAUSE A BYPASS VALVE ON THE HEAT EXCHANGER SERVICE WATER OUTLET LINE HAS BECOME BOUND AND WILL NOT CLOSE COMPLETELY. THIS PLACES THE UNIT IN A 24 HOUR TECHNICAL SPECIFICATION LCO (3.5.D.4) TO REPAIR THE LEAK OR TO SHUT THE UNIT DOWN.

THE LICENSEE IS CURRENTLY INVESTIGATING ALTERNATE METHODS FOR ISOLATING THE RBCCW HEAT EXCHANGER TO EFFECT REPAIRS. IF A PLANT SHUTDOWN IS INITIATED, THE LICENSEE WILL DECLARE AN UNUSUAL EVENT IN ACCORDANCE WITH THEIR EMERGENCY PLAN. THE RI WILL BE INFORMED.

\*\*\* UPDATE 1937 EDT 10/14/94 FROM BROOKS BY STRANSKY \*\*\*

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO DECISION TO PLACE THE UNIT IN COLD SHUTDOWN TO REPAIR THE STUCK VALVE AND LEAKING HEAT EXCHANGER. THE LICENSEE WILL NOTIFY STATE GOVERNMENTS, AND A PRESS RELEASE IS EXPECTED. RI WILL BE INFORMED. NOTIFIED R1DO (MODES), EO (CALVO), FEMA (WITSBERGER).

\*\*\* UPDATE AT 0843 ON 10/15/94 BY DOANE ENTERED BY HOO JOLLIFFE \*\*\*

WITH THE PLANT IN CONDITION 3 (HOT SHUTDOWN), LICENSEE REMOVED THE 4 INCH MANUAL GLOBE BYPASS VALVE TO THE 'B' RBCCW HEAT EXCHANGER AND INSTALLED BLANK FLANGES IN PLACE OF THE VALVE WHICH ISOLATED THE HEAT EXCHANGER AND THE LEAK.

A 1 INCH DIAMETER X 6 INCH LONG PIECE OF BAR STOCK LODGED INSIDE THE VALVE CAUSED

Power Reactor

Event # 27903

DAMAGE TO THE VALVE WHEN CONTROL ROOM OPERATORS ATTEMPTED TO MANUALLY CLOSE THE VALVE.

THE 100% CAPACITY 'A' RBCCW HEAT EXCHANGER IS OPERABLE AND IN SERVICE.

AT 0825 ON 10/15/94, LICENSEE EXITED THE LCO AND TERMINATED THE UE. LICENSEE NOTIFIED NH, MA, AND VT OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

LICENSEE IS INVESTIGATING THE SITUATION AND PLANS TO RESTART THE PLANT LATER TODAY WITH THE BLANK FLANGES INSTALLED.

HOO NOTIFIED R1DO MODES, NRR EO CALVO, AND FEMA LOUZONIS OF THE TERMINATION OF THE UE.

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Power Reactor

Event # 27930

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: MILLSTONE                          |            | Notification Date / Time: 10/20/1994 03:41 (EDT) |   |                 |            |                 |
| Unit: 2                                  | Region: 1  | State : CT                                       | Event Date / Time: 10/20/1994 03:23 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            | Last Modification: 10/20/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB                |            |  |   |                 |            |                 |
| NRC Notified by: STRONG                  |            | Notifications: GLENN MEYER RDO                   |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD           |            | GARY HOLAHAN EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | STINEDURF FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | N          | No   | 0   | Refueling       | 0          | Refueling       |

THE PLANT DECLARED AN NOUE DUE TO HEIGHTENED AWARENESS BECAUSE OF A SERVICE WATER LEAK AFFECTING THEIR 120 VOLT DC.

A SERVICE WATER LEAK ONTO THE ELECTRICAL SWITCHGEAR HAS CAUSED A GROUND ON A 120VDC VITAL BUS, WHICH THE LICENSEE IS PRESENTLY SEARCHING IN ORDER TO LOCATE AND ISOLATE. THE LEAK WAS ONTO A NON VITAL 4160 BUS WHICH HAS SINCE BEEN DE-ENERGIZED, BUT THIS DID NOT CLEAR THE GROUND ON THE 120VDC BUS. THE LEAK OCCURRED WHILE THE LICENSEE WAS SETTING UP AND DRAINING THE SERVICE WATER HEADER IN PREPARATION FOR SOME WORK. THE PLANT IS CURRENTLY STABLE AND HAS NO VITAL AC OUT OF SERVICE. THE RI WAS INFORMED ALONG WITH STATE AND LOCAL AGENCIES.

\*\*\*UPDATE AT 05:28 ON 10/20/94 TO GOULD FROM BONNER\*\*\*

THE VITAL DC BUS GROUND HAS BEEN ISOLATED. CAUSE OF GROUND IS STILL UNKNOWN.

\*\*\*UPDATE @ 1201 ET ON 10/20/94 BY BONNER TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1152 ET. LICENSEE ISOLATED THE GROUND ON THE 125VDC BUS. LICENSEE INSPECTED THE VITAL ELECTRICAL SWITCHGEAR AND DID NOT FIND ANY GROUNDS. LICENSEE WILL CORRECT THE GROUND PROBLEM ON NON VITAL LOADS BEFORE RETURNING THEM TO SERVICE. LICENSEE NOTIFIED STATE & LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT. R1DO (GLENN MEYER), EO(AL CHAFFEE), & FEMA (WITSBERGER) NOTIFIED.

LICENSEE NOTIFIED RESIDENT INSPECTOR THAT THE UNUSUAL EVENT WAS TERMINATED.

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Power Reactor

Event # 27939

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BRUNSWICK                   |            | Notification Date / Time: 10/23/1994 08:21 (EDT) |   |                 |            |                 |
| Unit: 1 2                         | Region: 2  | State : NC                                       | Event Date / Time: 10/23/1994 07:28 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 10/23/1994                    |   |                 |            |                 |
| Containment Type: MARK I MARK I   |            |  |   |                 |            |                 |
| NRC Notified by: DAVE JESTER      |            | Notifications: CHRIS CHRISTENSEN RDO             |   |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER       |            | GARY HOLAHAN EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | ED SIMMERS FEMA                                  |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |
| 2                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT BASED ON A TOXIC GAS RELEASE

CHLORINE GAS WAS RELEASED FROM THE #4 EVAPORATOR WHEN A RELIEF LIFTED. THIS SYSTEM IS USED TO CHLORINATE THE SERVICE WATER SYSTEM AND IS LOCATED IN THE CHLORINATION BUILDING. ONE LICENSEE EMPLOYEE WAS EXPOSED TO THE GAS AND WAS TAKEN TO A LOCAL HOSPITAL, ALTHOUGH THE MAN WAS COHERENT AND FELT NO ILL EFFECTS. THE CONTROL BUILDING EMERGENCY FILTRATION SYSTEM ISOLATED WHEN A SENSOR NEAR THE EVAPORATOR DETECTED THE GAS. THE LEAK WAS ISOLATED IMMEDIATELY BY SECURING THE SUPPLY FROM THE CHLORINE TANK CAR. NO GAS WAS DETECTED IN THE CONTROL BUILDING AND PLANT OPERATIONS WERE NOT AFFECTED.

THE LICENSEE CHLORINE EMERGENCY RESPONSE TEAM IS TAKING SAMPLES IN THE AREA TO CHECK FOR POCKETS OF GAS. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0954 ON 10/23/94 BY JESTER TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0926 BASED ON NEGATIVE RESULTS OF THE SAMPLES TAKEN BY THE CHLORINE EMERGENCY RESPONSE TEAM. THE INDIVIDUAL SENT TO THE HOSPITAL HAS RETURNED TO SITE WITH NO ADVERSE AFFECTS. THE CONTROL BUILDING VENTILATION SYSTEM HAS BEEN RETURNED TO THE NORMAL MODE.  
HOO NOTIFIED RDO (CHRISTENSEN), EO (HOLAHAN), FEMA (CANUPP).

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Power Reactor

Event # 27945

| Site: QUAD CITIES                 |            |           |            | Notification Date / Time: 10/25/1994 09:25 (EDT) |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Unit: 1 2                         |            | Region: 3 |            | State : IL                                       |            |                 |
| Reactor Type: [1] GE-3,[2] GE-3   |            |           |            | Event Date / Time: 10/25/1994 07:56 (CDT)        |            |                 |
| Containment Type: MARK I MARK I   |            |           |            | Last Modification: 10/25/1994                    |            |                 |
| NRC Notified by: TOM OSELAND      |            |           |            | Notifications: L. ROBERT GREGER RDO              |            |                 |
| HQ Ops Officer: DOUG WEAVER       |            |           |            | ED GOODWIN EO                                    |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |           |            | AUSTIN FEMA                                      |            |                 |
| 10 CFR Section:                   |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                 | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |
| 2                                 | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED BASED ON THE OFFSITE TRANSPORTATION OF A POTENTIALLY CONTAMINATED MAN

AN UNUSUAL EVENT WAS DECLARED AT 0756 CDT WHEN A POTENTIALLY CONTAMINATED MAN WAS TRANSPORTED TO A LOCAL HOSPITAL. THE MAN WAS INJURED IN A FALL IN A RADIOACTIVELY CONTROLLED AREA (RCA). IT WAS NOT A CONTAMINATED AREA. THE UE WAS TERMINATED AT 0827 CDT WHEN THE HOSPITAL CONFIRMED THE MAN WAS NOT CONTAMINATED.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 28007

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: HADDAM NECK                      |            | Notification Date / Time: 11/09/1994 09:09 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 1  | State : CT                                       | Event Date / Time: 11/09/1994 08:58 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP               |            | Last Modification: 11/09/1994                    |   |                 |            |                 |
| Containment Type:                      |            |  |   |                 |            |                 |
| NRC Notified by: CLINT GLADDING        |            | Notifications: JOHN ROGGE RDO                    |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON         |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | CALB WELL FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 95         | Power Operation |

TECH SPEC REQUIRED SHUTDOWN PER TECH SPEC 3.0.3 DUE TO LOSS OF CONTAINMENT ISOLATION VALVE POSITION INDICATION.

POSITION INDICATION WAS LOST DURING CLOSURE OF PRESSURIZER STEAM SPACE SAMPLE ISOLATION VALVE (CONTAINMENT ISOLATION VALVE). LICENSEE COULD NOT VERIFY THAT THE VALVE WAS CLOSED AND ENTERED TECH SPEC 3.6.3. THE STEAM SPACE SAMPLE ISOLATION VALVE IS A SINGLE CONTAINMENT ISOLATION VALVE AND TECH SPEC 3.6.3 IS WRITTEN FOR A LINE CONTAINING BOTH AN INBOARD AND OUTBOARD CONTAINMENT ISOLATION VALVE. LICENSEE COULD NOT MEET TECH SPEC 3.6.3 ACTION STATEMENT SO THEY ENTERED TECH SPEC 3.0.3 WHICH REQUIRES A TECH SPEC REQUIRED SHUTDOWN.

LICENSEE HAS VERIFIED THAT THE PRESSURIZER STEAM SPACE SAMPLE ISOLATION VALVE IS CLOSED. LICENSEE WILL ISOLATE THE AIR SUPPLY TO THE VALVE/THEN CLOSE A MANUAL ISOLATION VALVE AFTER WHICH THEY WILL EXIT TECH SPEC 3.0.3.

EMERGENCY CORE COOLING SYSTEMS, EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE IF NEEDED. LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*UPDATE @ 1000ET 11/09/94 BY CLINT GLADDING TAKEN BY MACKINNON\*\*\*

LICENSEE TERMINATED UNUSUAL EVENT AT 0948ET DUE TO PRESSURIZER STEAM SPACE ISOLATION VALVE BEING PROPERLY ISOLATED. LICENSEE WILL INCREASE REACTOR POWER FROM 85% BACK TO 100%. RESIDENT INSPECTOR, STATE, & LOCAL OFFICIALS INFORMED BY THE LICENSEE. R1DO (JOHN ROGGE), EO (CHAFFEE), & FEMA (SHULL) NOTIFIED.

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Power Reactor

Event # 28029

|  |           |  |   |
|--|-----------|--|---|
| Site: FT CALHOUN                       |           | Notification Date / Time: 11/14/1994 15:48 (EST) |   |
| Unit: 1                                | Region: 4 | State : NE                                       | Event Date / Time: 11/14/1994 13:49 (CST) |
| Reactor Type: [1] CE                   |           | Last Modification: 11/14/1994                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: JIM CHASE             |           | Notifications: GARY SANBORN RDO                  |   |
| HQ Ops Officer: WILLIAM HUFFMAN        |           | ED GOODWIN EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | SIMMERS FEMA                                     |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

TECH SPEC SHUTDOWN BASED ON POTENTIAL INOPERABILITY OF CONTROL ROOM AIR CONDITIONING.

THE FOLLOWING IS THE TEXT OF A FACSIMILE SUBMITTED BY THE LICENSEE:

"A POTENTIAL ACCIDENT SCENARIO HAS BEEN IDENTIFIED THAT COULD RESULT IN INOPERABILITY OF BOTH CONTROL ROOM (CR) AIR CONDITIONERS. THE SCENARIO INVOLVES A LARGE BREAK LOSS OF COOLANT ACCIDENT (LOCA) OR MAIN STEAM LINE BREAK (MSLB) INSIDE CONTAINMENT.

THE CR AIR CONDITIONERS ARE SUPPLIED WITH COMPONENT COOLING WATER (CCW) TO FREON CONDENSER HEAT EXCHANGERS. IN THE EVENT OF A LOCA OR MSLB, THE TEMPERATURE OF THE CCW COULD REACH A TEMPERATURE HIGH ENOUGH TO CAUSE THE AIR CONDITIONING UNITS TO TRIP OFF. THIS COULD OCCUR WITHIN APPROXIMATELY THREE MINUTES. SUBSEQUENTLY, CCW TEMPERATURE COULD CONTINUE TO RISE TO THE POINT AT WHICH FAILURE OF THE FREON SYSTEM RUPTURE DISCS WOULD OCCUR, RESULTING IN LOSS OF FREON INTO THE CR.

FOLLOWING LOSS OF BOTH CR AC UNITS, CR TEMPERATURE WOULD RISE. DEPENDING ON A VARIETY OF ASSUMPTIONS, THE CR COULD REACH AN AMBIENT TEMPERATURE GREATER THAN 150 DEGREES F WITHIN THE NEXT 2 AND 1/2 HOURS. THE POTENTIAL EFFECTS OF SUCH A TEMPERATURE COULD INCLUDE HAMPERING OPERATIONS PERSONNEL AND EXCEEDING THE QUALIFIED TEMPERATURE OF CERTAIN ENGINEERED SAFETY FEATURE (ESF) EQUIPMENT IN THE CR. SPECIFICALLY, OFFSITE POWER LOW SIGNAL (OPLS) RELAYS, LOCKOUTS AND SEQUENCERS COULD BE REQUIRED TO OPERATE ABOVE THEIR RATED TEMPERATURE.

IMMEDIATE ACTION TAKEN IN RESPONSE TO THE IDENTIFICATION OF THE ABOVE SCENARIO WAS TO ENTER TECHNICAL SPECIFICATION 2.15(3), DUE TO THE POTENTIAL POST-ACCIDENT IMPACT ON OPLS. TS 2.15(3) SPECIFIES THAT THE REACTOR BE PLACED IN A HOT SHUTDOWN CONDITION WITHIN 12 HOURS.

Power Reactor

Event # 28029

A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED BASED ON ENTRY INTO TS 2.15(3). POTENTIAL INTERIM ACTIONS TO ADDRESS THIS ISSUE ARE UNDER REVIEW." END OF TEXT.

THIS POSTULATED INADEQUACY WAS DISCOVERED DURING LICENSEE PREPARATIONS FOR A SERVICE WATER INSPECTION.

THE NRC RESIDENT, STATE, AND LOCAL AUTHORITIES HAVE BEEN NOTIFIED. A PRESS RELEASE MAY BE ISSUED.

\*\*\* UPDATE FROM BROWN TO HUFFMAN AT 21:03 EST ON 11/14/94 \*\*\*

"AT 1850 CST, THE FT. CALHOUN PLANT REVIEW COMMITTEE APPROVED OPERATIONS MEMORANDUM #94-07, REV. 0, WHICH DETAILS THE COMPENSATORY ACTIONS THAT WILL BE NECESSARY TO BE TAKEN TO ENSURE THE OPERABILITY OF THE OPLS RELAYS DURING A LOSS OF COOLANT ACCIDENT (LOCA/MAIN STEAM LINE BREAK).

BECAUSE THESE COMPENSATORY ACTIONS ARE BEING TAKEN THROUGH THE OPERATIONS MEMORANDUM AND ITS ASSOCIATED SAFETY ANALYSIS FOR OPERABILITY, AND BECAUSE THEY ASSURE THE OPERABILITY OF THE OPLS RELAYS, TECH SPEC LCO 2.15(3), THAT FCS IS PRESENTLY IN, CAN BE EXITED. IN ADDITION, THE NOUE THAT WAS DECLARED AS A RESULT OF THIS TECH SPEC REQUIRED SHUTDOWN ACTION CAN BE TERMINATED AND OPERATION OF FCS CAN CONTINUE. NOUE WAS EXITED AT 1950 CST."

THE ADMIN CONTROL IMPLEMENTED FOR THIS SITUATION IS TO KEEP ONE OF THE AIR CONDITIONING SYSTEMS TAGGED OUT AT ALL TIMES. IF A LOCA/MSLB RESULTS IN A LOSS OF THE UNTAGGED, OPERATING, AIR CONDITIONING SYSTEM THEN THE TAGGED SYSTEM WOULD BE MANUALLY PLACED INTO SERVICE AND RAW WATER (IN LIEU OF CCW) WOULD BE USED TO COOL THE AIR CONDITIONING FREON.

THE LICENSEE REDUCED POWER TO 97% BEFORE THE TECH SPEC WAS EXITED.

THE RESIDENT INSPECTOR HAS BEEN INFORMED. R4DO(SANDBORN), EO(SHERON), AND FEMA(SIMMERS) ALSO NOTIFIED.

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Power Reactor

Event # 28066

|  |           |  |   |
|--|-----------|--|---|
| Site: MILLSTONE                          |           | Notification Date / Time: 11/24/1994 02:14 (EST) |   |
| Unit: 1                                  | Region: 1 | State : CT                                       | Event Date / Time: 11/24/1994 01:40 (EST) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |           | Last Modification: 12/02/1994                    |   |
| Containment Type: MARK I                 |           |  |   |
| NRC Notified by: RICHARD KRAMER          |           | Notifications: WILLIAM RULAND RDO                |   |
| HQ Ops Officer: DOUG WEAVER              |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT           |           | JOE LOUZONIS FEMA                                |   |
| 10 CFR Section:                          |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 80         | Power Operation | 70         | Power Operation |

## UNUSUAL EVENT DECLARED BASED ON TECH SPEC REQUIRED SHUTDOWN

TECH SPEC 3.6.E.2 REQUIRES THE PLANT TO BE SHUTDOWN AND PRESSURE REDUCED TO LESS THAN 90 PSIG WITHIN 24 HOURS WHENEVER ONE SAFETY RELIEF VALVE IS DECLARED INOPERABLE. THE PLANT HAS DETERMINED ONE SRV TO BE INOPERABLE BASED ON A SLOW HEAT UP OF THE TORUS WATER (ABOUT 4-5 DEGREES F PER DAY). CURRENT TORUS TEMPERATURE IS 71 DEGREES F.

THE LICENSEE'S CONCERN IS AN INCREASE IN THE LIFT PRESSURE OF THE SRV CAUSED BY AN INCREASE IN THE BACK PRESSURE ACTING ON THE SRV. THE LICENSEE'S EMERGENCY PLAN REQUIRES THE DECLARATION OF AN UNUSUAL EVENT WHENEVER A SHUTDOWN IS REQUIRED BY TECH SPECS.

THE LICENSEE INTENDS TO SHUTDOWN THE PLANT AND PROCEED TO COLD SHUTDOWN TO MAKE REPAIRS TO THE SRV. THE SPECIFIC SRV INVOLVED HAS NOT BEEN DETERMINED, BUT IS BELIEVED TO BE THE E SRV BASED ON THE TEMPERATURE SENSORS IN THE TORUS. THE UNUSUAL EVENT CAN BE TERMINATED WHEN THE UNIT IS SHUTDOWN.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AS WELL AS THE APPROPRIATE STATE AND LOCAL OFFICIALS. A PRESS RELEASE IS PLANNED.

\*\*\* UPDATE AT 1805 EST 11/24/94 BY KNOLL TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED WHEN REACTOR PRESSURE WAS REDUCED BELOW 90 PSIG AND THE LCO WAS EXITED. RI WILL BE INFORMED.

\*\*\* UPDATE AT 1110 ON 12/02/94 BY CLEARY ENTERED BY HOO JOLLIFFE \*\*\*

Power Reactor

Event # 28066

AFTER SHUTTING UNIT 1 DOWN ON 11/24/94, LICENSEE REMOVED 6 OF 6 SAFETY / RELIEF VALVE TOPWORK PILOT ASSEMBLIES AND SENT THEM TO WYLIE LABS TO BE BENCH TESTED. THE AS-FOUND LIFT PRESSURE DATA IS LISTED BELOW:

| SERIAL<br>NUMBER | SET<br>PRESSURE | LIFT<br>PRESSURE | %<br>PRESSURE | PILOT ASSEMBLY<br>DIFFERENCE | LEAKING |
|------------------|-----------------|------------------|---------------|------------------------------|---------|
| 1221             | 1095            | 1162             | 6.1           | YES                          |         |
| 1220             | 1110            | 1211             | 9.1           | NO                           |         |
| 1041             | 1125            | 1209             | 7.5           | YES                          |         |
| 1219             | 1125            | 1155             | 2.7           | YES                          |         |
| 1035             | 1125            | 1156             | 2.8           | YES                          |         |
| 1222             | 1125            | 1150             | 2.2           | YES                          |         |

LICENSEE INSTALLED NEW TOPWORK PILOT ASSEMBLIES IN PLACE OF THOSE SENT TO WYLIE LABS.

LICENSEE PLANS TO SUBMIT AN LER ON THIS EVENT.

LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R1DO DOERFLEIN.

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Power Reactor

Event # 28072

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SURRY                         |           | Notification Date / Time: 11/25/1994 21:40 (EST) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 11/25/1994 21:13 (EST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 11/25/1994                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: CARLSON            |           | Notifications: MCGUIRE RDO                       |   |
| HQ Ops Officer: BOB STRANSKY        |           | VIRILIO EO                                       |   |
| Emergency Class: UNUSUAL EVENT      |           | STEINER FEMA                                     |   |
| 10 CFR Section:                     |           | BELISLE R2                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | VERRELLI R2                                      |   |
| 50.72(b)(1)(iii) FLAM MAT REL/EXPLO |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 97         | Power Operation | 97         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

A PLANT EMPLOYEE WAS INJURED DURING A CHEMICAL EXPLOSION IN THE PLANT RADWASTE FACILITY.

AT 2030 ON 11/25/94, AN INDIVIDUAL WAS INJURED WHEN A CHEMICAL EXPLOSION OCCURRED IN THE PLANT RADWASTE FACILITY. AT THE TIME OF THE EXPLOSION, THE INDIVIDUAL WAS ADDING HYDROGEN PEROXIDE TO A CHEMICAL REACTOR TANK IN PREPARATION FOR THE NEUTRALIZATION OF SOME CHEMICALS. AN UNEXPECTED CHEMICAL REACTION OCCURRED, KNOCKING THE INDIVIDUAL FROM A LADDER TO THE FLOOR APPROXIMATELY 12 FEET BELOW. THE INDIVIDUAL WAS TRANSPORTED TO A LOCAL HOSPITAL VIA THE SITE AMBULANCE FOR TREATMENT OF A POSSIBLE BROKEN ANKLE. THE INDIVIDUAL WAS NOT CONTAMINATED.

AT 2113, AN UNUSUAL EVENT WAS DECLARED DUE TO THE UNEXPECTED CHEMICAL REACTION IN THE RADWASTE FACILITY. THE LICENSEE IS CURRENTLY INVESTIGATING THE CAUSE OF THE EXPLOSION. (THE RADWASTE FACILITY IS OPERATED BY A CONTRACTOR.) NO RADIOACTIVE MATERIAL WAS INVOLVED IN THE EXPLOSION, AND NO APPARENT DAMAGE TO THE FACILITY WAS REPORTED. THE NRC RESIDENT WILL BE INFORMED. STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED BY THE LICENSEE.

\*\*\* UPDATE 2346 11/25/94 BY CARLSON TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2345. THE LICENSEE HAS DETERMINED THAT NO FURTHER THREAT OF EXPLOSION EXISTS IN THE RADWASTE FACILITY, ALTHOUGH THE CAUSE OF THE ORIGINAL EVENT REMAINS UNKNOWN. THE INJURED EMPLOYEE IS BEING TREATED AT THE RIVERSIDE HOSPITAL FOR A FRACTURED ANKLE. THE RI WILL BE INFORMED.

\*\*\*\*\*

Power Reactor

Event # 28088

|  |           |  |   |
|--|-----------|--|---|
| Site: FT CALHOUN                       |           | Notification Date / Time: 11/30/1994 06:12 (EST) |   |
| Unit: 1                                | Region: 4 | State : NE                                       | Event Date / Time: 11/30/1994 05:01 (CST) |
| Reactor Type: [1] CE                   |           | Last Modification: 11/30/1994                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: TERRY REISDORFF       |           | Notifications: ELMO COLLINS RDO                  |   |
| HQ Ops Officer: DOUG WEAVER            |           | WILLIAM TRAVERS EO                               |   |
| Emergency Class: UNUSUAL EVENT         |           | BELCHER FEMA                                     |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 99         | Power Operation |

## UNUSUAL EVENT DECLARED BASED ON TECH SPEC REQUIRED SHUTDOWN

AT 2116 ON 11/29/94 THE PLANT ENTERED AN 8 HOUR LCO WHEN A FUSE BLEW ON INVERTER B OF THE VITAL 120 VAC POWER SYSTEM. THE BYPASS TRANSFORMER CLOSED IN TO SUPPLY THE 120 VAC BUS. THE LICENSEE HAS BEEN UNABLE TO LOCATE THE SHORT ON THE B INVERTER. THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0501 CST WHEN THEY BEGAN REDUCING POWER AT A RATE OF 5 TO 6% PER HOUR. TECH SPEC 2.7.2.H ALLOWS 12 HOURS TO REACH HOT SHUTDOWN. THE INVERTER IS REQUIRED TO BE OPERABLE WHEN THE REACTOR IS ABOVE 300 °F.

THE LICENSEE INTENDS TO CONTINUE TROUBLE-SHOOTING DURING THE POWER REDUCTION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0830 EST BY REISDORFF TAKEN BY WEAVER \*\*\*

UNUSUAL EVENT TERMINATED AT 0730 EST. INVERTER B WAS REPAIRED AND DECLARED OPERABLE AT 0650 CST. POWER WAS AT 94% WHEN THE UE WAS TERMINATED. HOO NOTIFIED RDO (COLLINS); EO (DENNIG); FEMA (MOSTELLER).

\*\*\*\*\*

Power Reactor

Event # 28108

|  |                  |   |  |
|--|------------------|---|--|
| <b>Site:</b> SUMMER                              |                  | <b>Notification Date / Time:</b> 12/05/1994 16:15 (EST) |  |
| <b>Unit:</b> 1                                   | <b>Region:</b> 2 | <b>State :</b> SC                                       | <b>Event Date / Time:</b> 12/05/1994 15:31 (EST) |
| <b>Reactor Type:</b> [1] W-3-LP                  |                  | <b>Last Modification:</b> 12/06/1994                    |  |
| <b>Containment Type:</b> DRY AMB                 |                  |   |  |
| <b>NRC Notified by:</b> ALLEN                    |                  | <b>Notifications:</b> POTTER RDO                        |  |
| <b>HQ Ops Officer:</b> BOB STRANSKY              |                  | CHAFFEE EO  |  |
| <b>Emergency Class:</b> UNUSUAL EVENT            |                  | HERSKO FEMA   |  |
| <b>10 CFR Section:</b>                           |                  |   |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>RCS LEAKAGE |                  |   |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Standby     | 0          | Hot Standby     |

UNUSUAL EVENT DECLARED DUE TO UNISOLABLE REACTOR COOLANT SYSTEM (RCS) LEAKAGE.

DURING AN INSPECTION OF THE REACTOR BUILDING, THE LICENSEE DISCOVERED A LEAK ON THE SEAL INJECTION LINE FOR THE "C" REACTOR COOLANT PUMP. THE LEAK IS LOCATED AT A SOCKET WELD WHERE THE LINE ATTACHES TO THE PUMP SEAL HOUSING. THE LICENSEE ESTIMATES THAT THE LEAKAGE IS APPROXIMATELY 0.18-0.26 GPM, BASED ON TOTAL REACTOR BUILDING SUMP INLEAKAGE. ALL SAFETY EQUIPMENT IS AVAILABLE IF NEEDED.

THE LICENSEE IS PROCEEDING TO COLD SHUTDOWN IN ORDER TO DEPRESSURIZE THE RCS IN ORDER TO REPAIR THE WELD. THE LICENSEE HAS BEEN IN A REFUELING OUTAGE SINCE SEPTEMBER. THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR, AS WELL AS STATE AND LOCAL AGENCIES. A PRESS RELEASE IS PLANNED. THE LICENSEE WILL REMAIN IN THE UNUSUAL EVENT UNTIL THE RCS HAS BEEN DEPRESSURIZED.

**\*\* UPDATE DATE/TIME:12/6/94 @ 0625 \*FROM LICENSEE:O'QUINN BY:McGINTY \*\***

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0617 EST, UPON REACHING COLD SHUTDOWN CONDITIONS (MODE 5). THE LEAKAGE RATE HAS REMAINED RELATIVELY CONSTANT, AT LESS THAN 0.26 GPM. THE LICENSEE INTENDS TO PURSUE REPAIRS, AND WILL NOTIFY THE RESIDENT INSPECTOR. HOO NOTIFIED R2DO (HOSEY), EO (CHAFFEE) AND FEMA (SULLIVAN).

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Power Reactor

Event # 28118

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: PALISADES                        |            | Notification Date / Time: 12/08/1994 07:55 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 3  | State : MI                                       | Event Date / Time: 12/08/1994 06:57 (EST) |                 |            |                 |
| Reactor Type: [1] CE                   |            | Last Modification: 12/08/1994                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: MIKE MLYNAREK         |            | Notifications: BRUCE JORGENSEN RDO               |   |                 |            |                 |
| HQ Ops Officer: WILLIAM HUFFMAN        |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | RALPH HERSTO FEMA                                |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED WHEN AUX FEEDWATER (AFW) FLOW CONTROLLERS DECLARED INOPERABLE.

AT 0535 EST, A CONTROL ROOM OPERATOR OBSERVED THE FLOW CONTROLLERS FOR THE "A/B" AFW PUMPS (#FIC-0727 & 0749) WERE INDICATING THAT THE ASSOCIATED FLOW CONTROL VALVES WERE FULL OPEN. WHEN AFW IS IN STANDBY, THESE FLOW CONTROL VALVES SHOULD BE CLOSED. OPERATIONS STAFF IN THE FIELD CONFIRMED THAT THE VALVES WERE OPEN. THE LICENSEE ENTERED TECH SPEC 3.5.3 WHICH REQUIRES THAT THE PLANT BE IN HOT STANDBY WITHIN SIX HOURS WHEN BOTH FLOW CONTROLLERS ARE INOPERABLE. PLANT EMERGENCY ACTION LEVELS PLACE THE PLANT IN AN UNUSUAL EVENT CLASSIFICATION WHEN A TECH SPEC REQUIRED SHUTDOWN CONDITION EXISTS. AN UNUSUAL EVENT WAS DECLARED AT 0657 EST.

I&C TECHNICIANS DETERMINED THAT ELECTRIC RELAY #SSX-3/P8A/B WAS BAD. THE RELAY WAS REPLACED AND OPERABILITY OF THE FLOW CONTROL VALVES WAS CONFIRMED THROUGH TESTING. THE TECH SPEC WAS EXITED AND THE UNUSUAL EVENT TERMINATED AT 0742 EST.

THE LICENSEE BELIEVES THE PROBLEM REPORTED IN EVENT #28117 WAS DUE TO THE BAD RELAY. WHILE SURVEILLANCE TESTING ONE OF THE AFW PUMPS YESTERDAY, THE SAME FLOW CONTROL VALVES WENT OPEN FOR UNKNOWN REASONS. THE LICENSEE STATES THAT AS A RESULT OF THAT OCCURRENCE, THE "A/B" AFW TRAIN HAD BEEN DECLARED "DEGRADED" BUT WAS STILL CONSIDERED OPERABLE EVEN THOUGH THE ROOT CAUSE OF THE SURVEILLANCE PROBLEM HAD NOT BEEN DETERMINED.

THE NRC RESIDENT, STATE AND LOCAL OFFICIALS HAVE BEEN NOTIFIED.

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Power Reactor

Event # 28123

|                                 |            |                      |            |  |            |   |
|---------------------------------|------------|----------------------|------------|--|------------|---|
| Site: NINE MILE POINT           |            |                      |            | Notification Date / Time: 12/09/1994 09:46 (EST) |            |   |
| Unit: 2                         |            | Region: 1            |            | State : NY                                       |            | Event Date / Time: 12/09/1994 09:08 (EST) |
| Reactor Type: [1] GE-2,[2] GE-5 |            |                      |            | Last Modification: 12/09/1994                    |            |   |
| Containment Type: MARK II       |            |                      |            |  |            |   |
| NRC Notified by: DAN CIFONELLI  |            |                      |            | Notifications: PETER ESELGROTH RDO               |            |   |
| HQ Ops Officer: WILLIAM HUFFMAN |            |                      |            | CHRIS GRIMES EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT  |            |                      |            | EARL FEMA  |            |   |
| 10 CFR Section:                 |            |                      |            |  |            |   |
| 50.72(a)(1)(i)                  |            | EMERGENCY DECLARED   |            |  |            |   |
| 50.72(b)(1)(i)(A)               |            | PLANT S/D REQD BY TS |            |  |            |   |
| 50.72(b)(2)(ii)                 |            | RPS ACTUATION        |            |  |            |   |
| 50.72(b)(2)(ii)                 |            | ESF ACTUATION        |            |  |            |   |
| Unit                            | Scram Code | RX Crit              | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                               | N          | Yes                  | 100        | Power Operation                                  | 95         | Power Operation                           |

#### -UNUSUAL EVENT DUE TO AN INCREASE IN UNIDENTIFIED REACTOR COOLANT LEAK RATE

THE UNIDENTIFIED REACTOR COOLANT LEAK RATE HAS INCREASED FROM 0.9 GPM TO 3.6 GPM WITHIN THE LAST 24 HOURS. THIS LEAK RATE IS DETERMINED BY CALCULATING THE LEAKAGE INTO THE DRYWELL FLOOR DRAIN. THERE HAS ALSO BEEN A CORRESPONDING INCREASE IN THE DRYWELL RADIATION LEVELS MEASURED ON THE PARTICULATE RAD MONITOR. THE LEAK IS CURRENTLY STABLE AT 3.6 GPM.

PER TECHNICAL SPECIFICATION 3.4.3.2, ACTION STATEMENT (f), IF THE UNIDENTIFIED LEAK RATE INCREASES MORE THAN 2 GPM WITHIN A 24 HOUR PERIOD, THE SOURCE OF THE LEAKAGE MUST BE IDENTIFIED WITHIN 4 HOURS OR THE PLANT SHALL BE PLACED IN HOT SHUTDOWN CONDITION WITHIN THE NEXT 12 HOURS AND COLD SHUTDOWN CONDITION WITHIN THE NEXT 24 HOURS.

THE LICENSEE IS UNABLE TO IDENTIFY THE SOURCE OF THE LEAKAGE AND IS, THEREFORE, PERFORMING A CONTROLLED PLANT SHUTDOWN. PER THIS LICENSEE'S EMERGENCY ACTION LEVELS, A TECH SPEC REQUIRED SHUTDOWN CONSTITUTES AN UNUSUAL EVENT. THE UNUSUAL EVENT WAS DECLARED AT 0908 EST AND WILL BE TERMINATED WHEN THE PLANT REACHES COLD SHUTDOWN CONDITION.

THE NRC RESIDENT INSPECTOR AND STATE & LOCAL OFFICIALS HAVE BEEN INFORMED.

\*\*\* UPDATE FROM CIFONELLI TO HUFFMAN AT 10:30 \*\*\*

BASED ON THE MOST RECENT DRYWELL LEAK RATE DATA, THE LEAK HAS DECREASED TO 4 GPM. THE LICENSEE CONTINUES TO MONITOR THE LEAK RATE CLOSELY. LEAK RATE DATA IS BEING UPDATED EVERY SIX MINUTES. THE LICENSEE STATES THAT THERE MAY BE A CORRELATION BETWEEN MANIPULATION OF THE "B" RECIRC

| Power Reactor   | Event # | 28123 |
|---|---------|-------|
| FLOW CONTROL VALVE AND THE LEAK RATE INCREASE. THE REACTOR IS CURRENTLY AT 75% POWER. |         |       |

HOO NOTIFIED R1DO ESELGROTH AND NRR EO CHRIS GRIMES.

\*\*\* UPDATE AT 1507 BY CIFONELLI ENTERED BY HOO JOLLIFFE \*\*\*

THE DRYWELL FLOOR DRAIN LEAK RATE DECREASED TO APPROXIMATELY 2 GPM.  
THE OFFGAS SYSTEM ISOLATED AND THE MAIN CONDENSER VACUUM STARTED TO DECREASE.

CONSEQUENTLY, AT 1418, CONTROL ROOM OPERATORS MANUALLY SCRAMMED UNIT 2 FROM 23% POWER. ALL CONTROL RODS INSERTED COMPLETELY. STEAM IS BEING DUMPED TO THE MAIN CONDENSER. THE FOLLOWING ESF ISOLATIONS OCCURRED:  
PCIS GROUP 4 - RHR SYSTEM SAMPLE LINES AND REJECT LINES TO RAD WASTE SYSTEM  
PCIS GROUP 5 - SHUTDOWN COOLING SYSTEM.

THE DRYWELL FLOOR DRAIN LEAK RATE INCREASED TO APPROXIMATELY 5 GPM AND IS HOLDING STEADY.

UNIT 2 IS STABLE IN CONDITION 3 (HOT SHUTDOWN).

LICENSEE INTENDS TO COOL UNIT 2 DOWN TO CONDITION 4 (COLD SHUTDOWN), DEINERT THE DRYWELL, AND LOCATE AND REPAIR THE LEAK.

LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R1DO ESELGROTH AND NRR EO CHRIS GRIMES.

\*\*\*UPDATE AT 18:25 FROM WEAVER TO GOULD\*\*\*

THE NOUE WAS TERMINATED AT 18:00. THE DRYWELL FLOOR DRAIN LEAKAGE IS 3.5 GPM AND DECREASING AS REACTOR PRESSURE LOWERS. THE RI, STATE AND LOCAL AGENCIES WERE NOTIFIED.

NOTIFIED RDO ESELGROTH, EO THOMAS & FEMA WITSBERGER

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Power Reactor

Event # 28158

|  |                   |   |  |                        |                   |                        |
|--|-------------------|---|--|------------------------|-------------------|------------------------|
| <b>Site:</b> OYSTER CREEK              |                   | <b>Notification Date / Time:</b> 12/19/1994 10:33 (EST) |  |                        |                   |                        |
| <b>Unit:</b> 1                         | <b>Region:</b> 1  | <b>State :</b> NJ                                       | <b>Event Date / Time:</b> 12/19/1994 10:00 (EST) |                        |                   |                        |
| <b>Reactor Type:</b> [1] GE-2          |                   | <b>Last Modification:</b> 12/19/1994                    |  |                        |                   |                        |
| <b>Containment Type:</b> MARK I        |                   |   |  |                        |                   |                        |
| <b>NRC Notified by:</b> FRANK CIGANIK  |                   | <b>Notifications:</b> LARRY NICHOLSON RDO               |  |                        |                   |                        |
| <b>HQ Ops Officer:</b> WILLIAM HUFFMAN |                   | ED GOODWIN EO   |  |                        |                   |                        |
| <b>Emergency Class:</b> UNUSUAL EVENT  |                   | BAGWELL FEMA  |  |                        |                   |                        |
| <b>10 CFR Section:</b>                 |                   | GENE KELLY RDO  |  |                        |                   |                        |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                   |   |  |                        |                   |                        |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                   |   |  |                        |                   |                        |
| <b>Unit</b>                            | <b>Scram Code</b> | <b>RX Crit</b>  | <b>Init Power</b>                                | <b>Initial RX Mode</b> | <b>Curr Power</b> | <b>Current RX Mode</b> |
| 1                                      | N                 | Yes   | 58   | Power Operation        | 58                | Power Operation        |

TECH SPEC REQUIRED SHUTDOWN DUE TO EXCESSIVE CONTAINMENT LEAKAGE.

BASED ON NITROGEN USAGE CALCULATIONS FOR CONTAINMENT INERTING PURPOSES, THE LICENSEE ESTIMATES THAT APPROXIMATELY 900 STANDARD CUBIC FEET PER HOUR (SCFH) OF NITROGEN IS BEING USED TO MAINTAIN CONTAINMENT AT 1 PSIG NITROGEN PRESSURE. TECH SPEC 3.5.(a) STATES THAT THE PRIMARY CONTAINMENT LEAK RATE MUST BE LESS THAN 400 SCFH AT 35 PSIG. THE EXISTING CONTAINMENT LEAKAGE IS WELL IN EXCESS OF THE TECH SPEC LEAK RATE AND, THEREFORE, PLACES THE LICENSEE IN A TECH SPEC REQUIRED SHUTDOWN CONDITION.

PER THE TECH SPEC, THE LICENSEE MUST BE IN COLD SHUTDOWN WITHIN 24 HOURS. HOWEVER, IF THE CONDITION IS NOT CORRECTED WITHIN 8 HOURS, THE LICENSEE MUST DECLARE AN UNUSUAL EVENT IN ACCORDANCE WITH THEIR EMERGENCY PLAN IMPLEMENTING PROCEDURES (EPIPs).

THE PLANT RECENTLY STARTED UP AND FIRST PRESSURIZED CONTAINMENT WITH NITROGEN AT 14:30 EST ON 12/17. IT WAS JUST RECENTLY DETERMINED THAT EXCESS NITROGEN WAS BEING USED TO KEEP CONTAINMENT INERTED AT PRESSURE. AN INVESTIGATION INTO THE LOCATION OF THE LEAK IS IN PROGRESS. THE LICENSEE SUSPECTS THAT A CONTAINMENT VALVE IS MISCONFIGURED.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\*UPDATE AT 16:20 BY FRANZ TO GOULD\*\*\* THE LICENSEE DECLARED AN UNUSUAL EVENT AT 16:07 DUE TO LOSS OF PRIMARY CONTAINMENT IN ACCORDANCE WITH THEIR TECHNICAL SPECIFICATIONS AND THE INABILITY TO REPAIR THE LEAK WITHIN 8 HOURS. THE LEAK RATE IS 700 SCFH AT 1 PSIG WITH THE REACTOR AT 37% POWER. THE LICENSEE IS DECREASING POWER AT THE RATE OF 2MWe/HR. THE LEAK IS LOCATED AT DRYWELL VENT CONTAINMENT ISOLATION VALVES V-27-1 AND V-27-2. THE LICENSEE PLANS TO TAKE THE PLANT TO COLD S/D. THE RI HAS BEEN INFORMED ALONG WITH STATE AND LOCAL AGENCIES. THE LICENSEE HAS ALSO ISSUED A PRESS RELEASE.

Power Reactor

Event # 28158

\*\*\*UPDATE AT 21:49 BY FRANZ TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 21:40 DUE TO THE COMPLETION OF REPAIRS TO THE TWO LEAKING VALVES. REACTOR POWER IS AT 35% AND THE CURRENT LEAK RATE FOR THE VALVES IS 0.4 SCFH AT 37.5 PSIG. THE LEAKAGE LIMIT FOR THESE VALVES IS 3.7 SCFH. THE RI WILL BE INFORMED AND STATE WAS NOTIFIED. RDO KELLY, EO ROE AND FEMA BAGWELL WERE NOTIFIED.

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Power Reactor

Event # 28166

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 12/20/1994 06:04 (EST) |   |
| Unit: 1 2                           | Region: 4 | State : CA                                       | Event Date / Time: 12/20/1994 02:45 (PST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 12/20/1994                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: BRAD HINDS         |           | Notifications: THOMAS WESTERMAN RDO              |   |
| HQ Ops Officer: WILLIAM HUFFMAN     |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT      |           | EARL FEMA  |   |
| 10 CFR Section:                     |           | ROTHMAN NRR                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 50.72(b)(1)(iii) EARTHQUAKE         |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 90         | Power Operation | 90         | Power Operation |
| 2    | N          | No      | 0          | Hot Standby     | 0          | Hot Standby     |

## MINOR EARTHQUAKE FELT ONSITE.

AN EARTHQUAKE OF MAGNITUDE 4.5 ON THE RICHTER SCALE OCCURRED AT 02:28 PST, 15 MILES NNE OF PASO ROBLES, CALIFORNIA. THIS IS APPROXIMATELY 50 MILES FROM THE PLANT SITE. THE EARTHQUAKE WAS BARELY FELT BY PLANT PERSONNEL, BUT PER THE LICENSEE'S EMERGENCY ACTION LEVELS, HAD TO BE CLASSIFIED AS AN UNUSUAL EVENT.

THE EARTHQUAKE DID TRIGGER THE SITE'S TERRATECH SEISMIC MONITOR (LOW LEVEL) BUT DID NOT TRIGGER THE HIGH LEVEL KINEMATRICS MONITOR. BECAUSE THE KINEMATRICS WAS NOT TRIGGERED, THE LICENSEE CONCLUDED THAT GROUND MOTION WAS LESS THAN 0.02 G'S.

THERE IS NO EVIDENCE OR REASON TO BELIEVE THAT ANY DAMAGE OCCURRED ONSITE. THERE HAS BEEN NO REPORTS OF DAMAGE OR INJURIES OFFSITE.

THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT AFTER ALL NOTIFICATIONS HAVE BEEN MADE AND LICENSEE MANAGEMENT IS SATISFIED WITH THE OPERATIONAL ASSESSMENT OF THE PLANT.

THE CALIFORNIA OFFICE OF EMERGENCY SERVICES AND LOCAL AUTHORITIES HAVE BEEN INFORMED. THE RESIDENT INSPECTOR WILL BE INFORMED.

PER THE NATIONAL EARTHQUAKE INFORMATION CENTER, THE QUAKE EPICENTER WAS AT 35.8 NORTH / 120.6 WEST.

\*\*\* UPDATE FROM HINDS TO STRANSKY AT 06:55 EST ON 12/20/94 \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 03:49 PST AFTER LICENSEE MANAGEMENT CONCLUDED THERE WAS NO OPERATION CONCERN FROM THE EARTHQUAKE.

THE RESIDENT INSPECTOR WILL BE NOTIFIED. R4DO (WESTERMAN); EO (ROE); AND FEMA (EARL)

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

Page 2

Power Reactor  
WILL BE INFORMED.

Event # 28166

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Power Reactor

Event # 28176

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: MCGUIRE                       |            | Notification Date / Time: 12/22/1994 01:23 (EST) |   |                 |            |                 |
| Unit: 2                             | Region: 2  | State : NC                                       | Event Date / Time: 12/22/1994 00:55 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 12/22/1994                    |   |                 |            |                 |
| Containment Type: ICE COND          |            |  |   |                 |            |                 |
| NRC Notified by: PAUL SHILLINGLAW   |            | Notifications: M SHYMLOCK RDO                    |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON      |            | STEVE VARGA EO                                   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | RALPH HERSKO FEMA                                |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | No   | 0   | Refueling       | 0          | Refueling       |

LICENSEE ENTERED THEIR EMERGENCY PLAN WHEN AN INJURED CONTAMINATED PERSON WAS TRANSPORTED OFF SITE VIA A LOCAL AMBULANCE.

A LICENSEE EMPLOYEE FELL APPROXIMATELY 8 FEET FROM A LADDER INSIDE CONTAINMENT DURING CLEANING OPERATIONS. THE EMPLOYEE SUSTAINED INJURIES TO HIS HEAD, NECK, AND SHOULDERS. THE EMPLOYEE WAS WEARING ANTI-Cs WHEN HE FELL FROM THE LADDER. A LOCAL AMBULANCE WAS USED IN TRANSPORTING THE INDIVIDUAL TO AN OFFSITE HOSPITAL. THE INJURED PERSON WAS NOT DECONTAMINATED AND HIS ANTI-Cs WERE NOT REMOVED DUE TO UNCERTAINTY REGARDING THE SERIOUSNESS OF HIS INJURIES. A HEALTH PHYSICIST ACCOMPANIED THE INJURED INDIVIDUAL TO THE HOSPITAL TO INSURE THAT CONTAMINATION FROM THE INJURED PERSON WAS NOT SPREAD. THE LICENSEE BELIEVES THAT INJURIES SUSTAINED BY THE INJURED PERSON WERE NOT LIFE THREATENING. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*UPDATE @ 0254ET 12/23/94 BY SHILLINGLAW TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0225ET WHEN INJURED INDIVIDUAL ARRIVED AT THE HOSPITAL WITHOUT SPREADING ANY CONTAMINATION. STATE AND LOCAL OFFICIALS NOTIFIED BY LICENSEE. R2DO (MILT SHYMLOCK), EO (STEVE VARGA), & FEMA (STINEDUF) NOTIFIED

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 28196

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PERRY                       |           | Notification Date / Time: 12/30/1994 04:17 (EST) |   |
| Unit: 1                           | Region: 3 | State : OH                                       | Event Date / Time: 12/30/1994 03:45 (EST) |
| Reactor Type: [1] GE-6            |           | Last Modification: 12/30/1994                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: HILL             |           | Notifications: JOHN MADERA RDO                   |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | ELINOR ADENSAM EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | CARR FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 80         | Power Operation | 80         | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A HYDROGEN LEAK FROM THEIR HYDROGEN STORAGE TANKS.

DURING OPERATOR ROUNDS, THEY DETERMINED THAT THERE WAS A HYDROGEN LEAK POSSIBLY FROM A SAFETY VALVE ON A HEADER WHICH IS CONNECTED TO THE TANKS. THE TANKS ARE LOCATED OUTSIDE AT THE NORTH END OF THE TURBINE BUILDING AND SUPPLY HYDROGEN TO THE MAIN GENERATOR. THESE TANKS WERE BEING USED AS THE RESERVE BANK AND NOT SUPPLYING HYDROGEN TO THE GENERATOR AT THIS TIME. THEY BLEED DOWN AND ISOLATED THE BANK FROM THE HEADER TERMINATING THE LEAK FROM THE SAFETY VALVE. THEY CLEARED THE AREA OF ALL PERSONNEL. THE RI, STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE AT 04:42 BY HILL TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 04:30 DUE TO THE HYDROGEN LEAK BEING ISOLATED WHEN THEY ISOLATED THE HEADER FROM THE REST OF THE SYSTEM. THEY WILL EVALUATE AND CORRECT THE PROBLEM AFTER HYDROGEN HAS DISSIPATED FROM THE AREA. THE RI, STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.

\*\*\*\*\*

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 28206

|                                       |            |           |            |  |            |   |
|---------------------------------------|------------|-----------|------------|--|------------|---|
| Site: SEQUOYAH                        |            |           |            | Notification Date / Time: 01/03/1995 05:15 (EST) |            |   |
| Unit: 1 2                             |            | Region: 2 |            | State : TN                                       |            | Event Date / Time: 01/03/1995 04:21 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP   |            |           |            | Last Modification: 01/20/1995                    |            |   |
| Containment Type: ICE COND ICE COND   |            |           |            |  |            |   |
| NRC Notified by: BILL HARRIS          |            |           |            | Notifications: STEVEN VIAS/LESSER RDO            |            |   |
| HQ Ops Officer: JOHN MacKINNON        |            |           |            | ELINOR ADENSAM EO                                |            |   |
| Emergency Class: UNUSUAL EVENT        |            |           |            | CARR FEMA  |            |   |
| 10 CFR Section:                       |            |           |            |  |            |   |
| 50.72(b)(1)(ii)(A) UNANALYZED COND OP |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |           |            |  |            |   |
| TECH SPEC LCO A/S                     |            |           |            |  |            |   |
| Unit                                  | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                     | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |
| 2                                     | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

LATCHES (TWO LATCHES ONE IN UPPER RIGHT HAND SIDE OF THE CUBICLE AND THE OTHER LATCH IN THE UPPER LEFT HAND SIDE OF THE CUBICLE) WHICH HOLDS BREAKER IN ITS COMPARTMENT FOUND TO BE UNLATCHED.

WHILE PERFORMING CONTROL BOARD WALKDOWN FOR UNIT 2 THE ONCOMING SENIOR REACTOR OPERATOR (SRO) DISCOVERED THAT 2-FCV-63-8, A SAFETY RELATED VALVE (USED TO SUPPLY SUCTION FROM CONTAINMENT SUMP TO HIGH & INTERMEDIATE HEAD SAFETY INJECTION PUMPS AFTER REFUELING WATER STORAGE TANK LEVEL GETS LOW), HAD NO INDICATION OF VALVE POSITION. THE UNIT OPERATOR REPLACED THE LIGHT BULB AND THE 480V BREAKER WAS VERIFIED CLOSED, BUT THERE WAS STILL NO INDICATION OF THE VALVE POSITION. A SRO WAS DISPATCHED TO THE BREAKER. THE SRO VERIFIED THE FUSES WERE GOOD. WHILE CHECKING THE FUSES THE BREAKER IN ITS COMPARTMENT BEGAN TO MOVE AND THE SRO NOTICED THE LOCAL INDICATING LIGHT FOR THE BREAKER FLICKERED. THE SRO PUSHED THE BREAKER SNUGLY INTO ITS COMPARTMENT UNTIL IT WAS FULLY LATCHED AND VERIFIED BREAKER HAD PROPER INDICATION. THE VALVE, INDICATED CLOSED AT THE BREAKER COMPARTMENT AND REMOTELY IN THE MAIN CONTROL ROOM. IT WAS SUBSEQUENTLY DETERMINED THAT THIS VALVE WOULD NOT HAVE OPERATED AND THE ACTIONS OF LCO 3.5.2 WAS ENTERED AND EXITED DUE TO "A" TRAIN OF ECCS BEING INOPERABLE. A COMPLETE CONTROL BOARD WALKDOWN WAS PERFORMED AND NO OTHER SAFETY RELATED VALVES WERE FOUND WITHOUT POSITION INDICATION. FURTHER INVESTIGATION OF WHY THE BREAKER WAS NOT FULLY ENGAGED REVEALED THE "COMPARTMENT RETENTION LATCH - TWO FOR EACH BREAKER" WAS NOT FULLY ENGAGED. THE SHIFT OPERATING SUPERVISOR DIRECTED ALL 480V MOLDED CASE BREAKERS TO BE CHECKED FOR SIMILAR CONDITION. NUMEROUS BREAKERS WERE FOUND TO BE IN AN UNLATCHED OR PARTIALLY UNLATCHED (ONE OF THE TWO LATCHES UNLATCHED) CONDITION, AND THESE BREAKERS WERE CORRECTED ON THE SPOT DUE TO THE POTENTIAL FOR THESE BREAKERS TO BE IN AN UNLATCHED CONDITION AND BECOME DISENGAGED, AND THE POSSIBILITY OF BOTH TRAINS OF THE ESF EQUIPMENT TO BE INOPERABLE AT THE SAME TIME. LICENSEE DETERMINED THAT THEY WERE IN AN UNANALYZED CONDITION. LICENSING AND NUCLEAR ENGINEERING WERE CONSULTED OF THIS CONDITION.

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**\*\*\* This Event has been retracted !!!**

**\*\*\* This Event has been retracted !!!**

Power Reactor

Event # 28206

LICENSEE SAID THAT THEY STILL CHECKING BREAKERS AT THIS TIME FOR UNIT 1 AND UNIT 2.

\*\*\*\*UPDATE 0538EST 01/03/95 BY BILL HARRIS TAKEN BY MACKINNON\*\*\*\*

LICENSEE UPGRADED THIS EVENT TO AN UNUSUAL EVENT CLASSIFICATION PER THEIR RADIOLOGICAL EMERGENCY PLANS "HU15" (CONDITIONS THAT WARRANT INCREASED AWARENESS OF PLANT OPERATING STAFF). LICENSEE CONSIDERS THIS A SEISMIC CONCERN TO THE PLANT IN THAT IF THEY HAD A SEISMIC EVENT AND THE BREAKERS WERE UNLATCHED THE BREAKERS COULD POSSIBLY DISENGAGE FROM THEIR POWER SOURCE AND BECOME INOPERABLE. LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS OF THIS EVENT CLASSIFICATION.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE OF THIS EVENT.

\*\*\* UPDATE @ 1002 ON 1/3/95 BY DENNIS DIMOPHULOS TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0959 EST. A COMPLETE WALKDOWN OF THE SAFETY RELATED BOARDS AND NON SAFETY RELATED BOARDS IN SEISMIC AREAS WAS COMPLETED. ALL DISCREPANCIES WERE CORRECTED ON THE SPOT, WITH THE EXCEPTION OF ONE CASE WHERE ONE OF THE TWO LATCHES WAS BROKEN. THE CAUSE OF THIS CONDITION IS UNDER INVESTIGATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE HOO INFORMED THE RDO (VIAS); EO (DENNIG); FEMA (SHULL)

\*\*\*UPDATE AT17:17 ON 1/20/95 BY DIMOPHULOS TAKEN BY GOULD\*\*\*

THE LICENSEE IS RETRACTING THIS EVENT BECAUSE FURTHER EVALUATIONS HAVE DETERMINED THAT THE BREAKERS WERE OPERABLE BECAUSE THE CABINET DOORS WERE ADEQUATE TO RESTRICT BREAKER MOVEMENT DURING A SEISMIC EVENT. THEREFORE, THE LICENSEE HAS DETERMINED THAT THIS EVENT IS NOT REPORTABLE. THE RI HAS BEEN INFORMED.

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Power Reactor

Event # 28300

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: FT CALHOUN                       |            | Notification Date / Time: 01/27/1995 19:40 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 4  | State : NE                                       | Event Date / Time: 01/27/1995 18:06 (CST) |                 |            |                 |
| Reactor Type: [1] CE                   |            | Last Modification: 01/27/1995                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: VOSS                  |            | Notifications: BLAINE MURRAY RDO                 |   |                 |            |                 |
| HQ Ops Officer: TIM McGINTY            |            | BRIAN SHERON EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AND TERMINATED DUE TO ENTERING A TECH SPEC REQUIRED SHUTDOWN BECAUSE A NON-VITAL INSTRUMENTATION BUS INVERTER WAS OUT OF SERVICE BEYOND THE ALLOWABLE LCO TIME.

AT 1004 CST ON 1/27/95, FORT CALHOUN STATION CONTROL ROOM RECEIVED AN INVERTER #2 TROUBLE ALARM. AN OPERATOR WAS DISPATCHED TO INVESTIGATE AND FOUND THAT THE INVERTER HAD TRANSFERRED TO ITS BYPASS SUPPLY TRANSFORMER. THE "AI-42B" NON-VITAL 120 VAC INSTRUMENT BUS POWERED BY THAT INVERTER WAS DECLARED INOPERABLE AT 1006 CST. MAINTENANCE COMMENCED TROUBLE SHOOTING, AND TECH SPEC 2.7.2.O WAS ENTERED (8 HOUR LCO TO RETURN, OR BE IN HOT SHUTDOWN WITHIN THE FOLLOWING 12 HOURS). AT 1806, THE 8 HOUR LCO EXPIRED AND MAINTENANCE HAD NOT BEEN COMPLETED ON THE INVERTER. THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1806 BASED ON A TECH SPEC REQUIRED SHUTDOWN, AND COMMENCED PREPARATIONS FOR A POWER REDUCTION.

AT 1828 CST, "AI-42B" WAS DECLARED OPERABLE, THE T/S LCO WAS EXITED, AND AT 1848 THE UNUSUAL EVENT WAS TERMINATED. THE INVERTER HAS BEEN RETURNED TO SERVICE. THE INVERTER DOES NOT SUPPLY ANY SAFETY RELATED INSTRUMENTATION, AND IS LIMITED TO BALANCE OF PLANT INSTRUMENTATION.

THE LICENSEE INFORMED THE RESIDENT INSPECTOR, AS WELL AS STATE AND LOCAL AUTHORITIES.

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Power Reactor

Event # 28304

|  |                   |                  |                   |   |                   |  |
|--|-------------------|------------------|-------------------|---|-------------------|--|
| <b>Site:</b> NINE MILE POINT           |                   |                  |                   | <b>Notification Date / Time:</b> 01/29/1995 12:28 (EST) |                   |  |
| <b>Unit:</b> 2                         |                   | <b>Region:</b> 1 |                   | <b>State :</b> NY                                       |                   | <b>Event Date / Time:</b> 01/29/1995 12:28 (EST) |
| <b>Reactor Type:</b> [1] GE-2,[2] GE-5 |                   |                  |                   | <b>Last Modification:</b> 02/13/1995                    |                   |  |
| <b>Containment Type:</b> MARK II       |                   |                  |                   |   |                   |  |
| <b>NRC Notified by:</b> LYNCH          |                   |                  |                   | <b>Notifications:</b> FRANK COSTELLO RDO                |                   |  |
| <b>HQ Ops Officer:</b> TIM McGINTY     |                   |                  |                   | BRIAN SHERON EO   |                   |  |
| <b>Emergency Class:</b> UNUSUAL EVENT  |                   |                  |                   | CALDWELL FEMA   |                   |  |
| <b>10 CFR Section:</b>                 |                   |                  |                   | ED JORDAN AEOD  |                   |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                   |                  |                   | KEN BROCKMAN AEOD                                       |                   |  |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                   |                  |                   | TIM MARTIN RA   |                   |  |
| <b>Unit</b>                            | <b>Scram Code</b> | <b>RX Crit</b>   | <b>Init Power</b> | <b>Initial RX Mode</b>                                  | <b>Curr Power</b> | <b>Current RX Mode</b>                           |
| 2                                      | N                 | Yes              | 100               | Power Operation   | 100               | Power Operation                                  |

UNUSUAL EVENT DECLARED WHEN BOTH THE DIV 1 AND DIV 2 EDG's WERE DECLARED INOPERABLE.

NINE MILE POINT UNIT 2 COMMENCED AN ORDERLY PLANT SHUTDOWN AS REQUIRED BY TECH SPEC 3.8.1.1, ACTION STATEMENT (b), BECAUSE THE DIVISION 1 EDG IS INOPERABLE AND WAS NOT ABLE TO BE RESTORED TO OPERABLE WITHIN 72 HOURS OF DISCOVERY OF THE INOPERABILITY. THE PROBLEM WITH THE COOPER-BESSEMER "KSV-16T" MODEL EDG IS THE MECHANICAL GOVERNOR IS UNDERGOING CORRECTIVE MAINTENANCE DUE TO GOVERNOR OVERHEATING AND ENGINE CONTROL PROBLEMS. ACTIVITIES CONTINUE TO ATTEMPT TO RESTORE THE EDG TO AN OPERABLE STATUS. THE ORIGINAL PROBLEM ON THE DIV 1 EDG WAS DISCOVERED DURING NORMAL SURVEILLANCE TESTING.

THIS MORNING, THE LICENSEE STARTED THE DIV 2 EDG (IDENTICAL DESIGN) TO HELP ASCERTAIN THE PROBLEM FOR INFORMATIONAL PURPOSES. AT 1241 EST, THE EVENT WAS UPGRADED TO AN UNUSUAL EVENT WHEN THE DIV 2 EDG WAS ALSO DECLARED INOPERABLE WHEN IT FAILED TO RESPOND TO A NORMAL TRIP SIGNAL AS EXPECTED AT THE COMPLETION OF THE INFORMATIONAL RUN. THE DIV 2 DIESEL WAS SUCCESSFULLY TRIPPED AFTER OPERATORS EXECUTED "ABNORMAL" SWITCH MANIPULATIONS (AN OPERATOR WAS ALSO DISPATCHED TO TRIP THE FUEL RACKS, IT IS UNCLEAR WHICH ACTION RESULTED IN THE SUCCESSFUL TRIP OF THE DIV 2 EDG). THE CALLER ALSO STATED THAT, DUE TO THE IDENTICAL DESIGNS OF THE EDG's, THE DIV 2 EDG COULD POTENTIALLY BE SUSCEPTIBLE TO SIMILAR PROBLEMS THAT THE DIV 1 EDG WAS EXPERIENCING, HOWEVER THIS MORNINGS TEST RUN DID NOT INDICATE ANY SUCH PROBLEMS. THE DIV 2 EDG IS TECHNICALLY INOPERABLE, BUT IS CONSIDERED AVAILABLE, AND EFFORTS ARE UNDERWAY TO RESTORE IT TO AN OPERABLE STATUS.

UPON DECLARING THE UNUSUAL EVENT, TECH SPEC ACTION STATEMENT 3.8.1.1(g) WAS ENTERED, WHICH SPECIFIES RETURNING ONE EDG TO OPERABLE STATUS WITHIN TWO HOURS OR TO BE IN HOT SHUTDOWN WITHIN THE FOLLOWING 12 HOURS, AND COLD SHUTDOWN WITHIN THE FOLLOWING 24 HOURS.

Power Reactor

Event # 28304

NMP-2 HAS THREE EDG's, HOWEVER THE DIV 3 EDG IS DEDICATED TO HPCS AND IS OPERABLE. ALL ECCS SYSTEMS ARE OPERABLE AT THIS TIME. THE TWO 115 KV OFF-SITE FEEDS TO THE STATION ARE OPERABLE, AND THE LOAD DISPATCHER HAS INDICATED THAT THE GRID IS STABLE, AND THE WEATHER FORECAST DOES NOT INDICATE ANY POTENTIAL PROBLEMS WITH GRID STABILITY.

THE UNIT SHOULD BE IN HOT SHUTDOWN IN ABOUT 7.5 HOURS. THE RESIDENT INSPECTOR IS IN THE CONTROL ROOM OBSERVING THE SHUTDOWN. THE LICENSEE INFORMED THE STATE AND LOCAL AUTHORITIES ABOUT THE UNUSUAL EVENT, AND WILL ISSUE A PRESS RELEASE.

\*\*\*UPDATE AT 12:18 ON 01/30/95 BY WEAVER TO GOULD\*\*\*

THE NOUE WAS TERMINATED AT 12:11 WHEN THE UNIT WAS PUT IN COLD S/D. BOTH DIV 1 & 2 D/G'S ARE AVAILABLE. THE RI WILL BE NOTIFIED AND STATE AND LOCAL AGENCIES WERE NOTIFIED. FEMA(CALDWELL), RI(COSTELLO), EO(DENNIG) HAVE BEEN NOTIFIED.

\*\*\*UPDATE AT 12:23 ON 2/13/95 FROM ERON TAKEN BY SEBROSKY \*\*\*

FURTHER INVESTIGATION OF THE GOVERNOR FAILURE REVEALED THAT THE GOVERNOR TEMPERATURES WOULD NOT ALLOW THE DIESEL GENERATORS TO MAINTAIN REQUIRED LOADS FOR EXTENDED PERIODS OF TIME. THE DIESEL GENERATOR GOVERNOR TEMPERATURES EXCEEDED VENDOR SPECIFICATIONS. THE CAUSE WAS A DESIGN DEFICIENCY IN THE COOLING WATER SUPPLY PIPING TO THE GOVERNOR COOLER.

THESE COMPONENTS ARE VENDOR SUPPLIED. THE DESIGN WAS MODIFIED AND THE CONDITION WAS CORRECTED DURING THE LAST NINE MILE POINT 2 FORCED OUTAGE. BOTH DIESEL GENERATORS ARE OPERABLE AND THIS REPORT IS THE RESULT OF AN ONGOING INVESTIGATION. THE LICENSEE IS CONTINUING TO INVESTIGATE THE PROBLEM, AND WHETHER OR NOT A PART 21 REPORT WILL BE MADE.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED R1DO (BORES).

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Power Reactor

Event # 28342

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 02/05/1995 22:04 (EST) |   |
| Unit: 1 2                           | Region: 1 | State : NJ                                       | Event Date / Time: 02/05/1995 21:30 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 02/05/1995                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: SABLA              |           | Notifications: JENNY JOHANSEN RDO                |   |
| HQ Ops Officer: TIM McGINTY         |           | GUS LAINAS EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | CANUPP FEMA                                      |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UE DECLARED BASED ON LOW RIVER WATER LEVELS DUE TO HIGH WINDS AND LOW TIDE.

SALEM UNITS 1 & 2 DECLARED AN UNUSUAL EVENT DUE TO A LOW WATER LEVEL IN THE DELAWARE RIVER (ECG SECTION 12, INITIATING CONDITION G). THE RIVER LEVEL HAS DECREASED BELOW 83 FEET (REQUIRES UE DECLARATION), AND THE LICENSEE HAS IMPLEMENTED SEVERE WEATHER PROCEDURES. THE LOW RIVER LEVEL IS HAVING NO EFFECT ON EITHER UNIT (BOTH ARE IN COLD SHUTDOWN) AT THIS TIME.

THE LICENSEE IS CALCULATING THE NPSH (NET POSITIVE SUCTION HEAD) FOR THE SERVICE WATER SYSTEM (SWS) EVERY HALF-HOUR. CURRENTLY, NPSH FOR THE SWS IS 43.3 FEET, AND THE LICENSEE DOES NOT EXPECT ANY FURTHER DECREASES IN THE RIVER WATER LEVEL. PROCEDURES REQUIRE A REDUCTION OF SWS FLOW IF NPSH DROPS BELOW 39.5 FEET. THE RIVER IS CURRENTLY EXPERIENCING LOW TIDE, WHICH, IN CONJUNCTION WITH HIGH WINDS DUE TO STORM CONDITIONS, HAS CAUSED THE LOW RIVER WATER LEVEL CONDITION. RIVER WATER LEVEL IS EXPECTED TO INCREASE AS THE TIDE TURNS.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR, AND HAS INFORMED STATE AND LOCAL AUTHORITIES.

\*\* UPDATE DATE/TIME:2/6/95 \*\*FROM LICENSEE: SABLA BY:McGINTY\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2330 EST, BASED ON RIVER WATER LEVELS BEING AT 83.75 FEET AND INCREASING. THE LICENSEE INFORMED THE RESIDENT INSPECTOR, AND STATE AND LOCAL AUTHORITIES. HOO NOTIFIED THE R1DO (JOHANSEN) AND FEMA (D'AMICO).

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Power Reactor

Event # 28366

|  |           |  |   |
|--|-----------|--|---|
| Site: COOPER                           |           | Notification Date / Time: 02/10/1995 12:29 (EST) |   |
| Unit: 1                                | Region: 4 | State : NE                                       | Event Date / Time: 02/10/1995 10:56 (CST) |
| Reactor Type: [1] GE-4                 |           | Last Modification: 02/10/1995                    |   |
| Containment Type: MARK I               |           |  |   |
| NRC Notified by: DAN UMSHLER           |           | Notifications: LAWRENCE YANDELL RDO              |   |
| HQ Ops Officer: DOUG WEAVER            |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | CANUPP FEMA                                      |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 5          | Startup         | 0          | Startup         |

## UNUSUAL EVENT DECLARED BASED ON A TECH SPEC REQUIRED SHUTDOWN

THE PLANT DECLARED AN UNUSUAL EVENT BASED ON THE INITIATION OF A SHUTDOWN REQUIRED BY TECH SPECS. THE SHUTDOWN IS REQUIRED BY TECH SPECS 3.5.E & 3.6.D DUE TO THE FAILURE OF SAFETY RELIEF VALVES (SRVs) E, G & H. THE FAILURES WERE DETECTED DURING THE PERFORMANCE OF SURVEILLANCE PROCEDURE 6.3.2.1 (AUTOMATIC DEPRESSURIZATION SYSTEM (ADS) MANUAL VALVE ACTUATION). ALL THREE VALVES (E, G & H) ARE PART OF THE ADS SYSTEM. COOPER HAS EIGHT SRVs, SIX OF WHICH ARE PART OF THE ADS SYSTEM. THE REMAINING SRVs WERE TESTED SATISFACTORILY.

THE REACTOR WAS IN STARTUP FROM AN OUTAGE WITH REACTOR POWER AT 5% AND REACTOR PRESSURE AT 300 PSIG WHEN THE FAILURES WERE DISCOVERED. THE THREE SRVs THAT FAILED WERE PURCHASED FULLY TESTED & CERTIFIED THROUGH THE GENERAL ELECTRIC COMPANY FROM THE SHOREHAM NUCLEAR STATION. THE VALVES WERE INSTALLED DURING THE JUST COMPLETED OUTAGE. THE REMAINING SRVs WERE TESTED, RE-CERTIFIED & REINSTALLED DURING THE JUST COMPLETED OUTAGE.

THE PLANT IS PROCEEDING TO COLD SHUTDOWN TO DETERMINE THE CAUSE OF THE FAILURES. THE UE WILL MOST LIKELY BE TERMINATED WHEN THE PLANT REACHES COLD SHUTDOWN. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE APPROPRIATE STATE AND LOCAL OFFICIALS.

\*\*\* UPDATE AT 0001 ON 02/11/95 BY REED ENTERED BY HOO JOLLIFFE \*\*\*

AT 2228 (CST) ON 02/10/95, THE PLANT ENTERED CONDITION 4 (COLD SHUTDOWN) AND LICENSEE TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R4DO YANDELL, NRR EO BRIAN GRIMES, AND FEMA STINEDURF.

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Power Reactor

Event # 28379

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 02/13/1995 17:32 (EST) |   |
| Unit: 1 2                           | Region: 4 | State : CA                                       | Event Date / Time: 02/13/1995 14:10 (PST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 02/13/1995                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: BOB MAGRUDER       |           | Notifications: CHRIS VANDENBURGH RDO             |   |
| HQ Ops Officer: JOSEPH SEBROSKY     |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | SIMMERS FEMA                                     |   |
| 10 CFR Section:                     |           | GOUTAM BAGCHI NRR                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | BOB ROTHMAN NRR                                  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

AN UNUSUAL EVENT WAS DECLARED DUE TO AN EARTHQUAKE BEING FELT ON SITE AND INSTRUMENTATION ON SITE REGISTERING THE EARTHQUAKE. THE EARTHQUAKE'S MAGNITUDE WAS 2.7 ON THE RICHTER SCALE AND IT'S EPICENTER WAS LOCATED APPROXIMATELY 2.0 KILOMETERS SOUTHWEST OF THE PLANT.

THE LICENSEE DECLARED THE UNUSUAL EVENT DUE TO THE EARTHQUAKE MEETING THE DEFINITION OF A "MODERATE EARTHQUAKE". THE DEFINITION OF A MODERATE EARTHQUAKE IS GROUND MOTION BEING FELT ONSITE AND INSTRUMENTATION AT THE SITE REGISTERING THE EARTHQUAKE. THE LICENSEE HAS TWO SETS OF SEISMIC INSTRUMENTATION. THE LESS SENSITIVE INSTRUMENTATION (KINAMETRICS) DID NOT 'TRIGGER' AT ITS SETPOINT OF 0.02g, THEREFORE, THE LICENSEE KNOWS THE GROUND MOTION AT THE PLANT WAS LESS THAN THIS VALUE. THE LICENSEE IS IN THE PROCESS OF REVIEWING THE INFORMATION FROM THE MORE SENSITIVE "TERRATECH" SEISMIC INSTRUMENTATION WHICH ALARMED DUE TO THE GROUND MOTION.

THE EARTHQUAKE OCCURRED AT 14:02 PST, AND BASED ON THE INITIAL ASSESSMENT THE LICENSEE DECLARED AN UNUSUAL EVENT AT 14:10 PST. THE LICENSEE WILL EXIT THE UNUSUAL EVENT AFTER A WALKDOWN OF THE PLANT IS COMPLETE AND THE INFORMATION FROM THE "TERRATECH" SEISMIC INSTRUMENTATION IS REVIEWED.

THE LICENSEE RECEIVED A REPORT FROM THE PACIFIC GAS AND ELECTRIC'S GEOSCIENCE DEPARTMENT THAT THE EARTHQUAKE'S MAGNITUDE WAS 2.7 ON THE RICHTER SCALE WITH AN EPICENTER APPROXIMATELY 2.0 KILOMETERS SOUTHWEST OF DIABLO CANYON.

ALL ECCS AT THE SITE ARE OPERABLE. THE LICENSEE IS NOT CURRENTLY IN ANY LCO ON EITHER UNIT. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN. THE LICENSEE MAY ISSUE A PRESS RELEASE.

\*\*\* UPDATE @ 17:55 ON 2/13/95 FROM MAGRUDER TAKEN BY SEBROSKY \*\*\*

Power Reactor

Event # 28379

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 14:53 PST BASED ON REVIEW OF THE "TERRATECH" SEISMIC INSTRUMENTATION AND WALKDOWN OF THE PLANT. THE INSTRUMENTATION RECORDED THE GROUND ACCELERATION AS 0.0075g WHICH ALLOWS THE LICENSEE TO RECLASSIFY THE EVENT AS A MICRO EARTHQUAKE. THE LICENSEE HAS ALSO DONE A WALKDOWN OF THE UNITS AND THERE IS NO EVIDENCE OF ANY AFFECT OF THE EARTHQUAKE.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT IN ACCORDANCE WITH THEIR EMERGENCY PROCEDURES. HOO NOTIFIED R4DO (VANDENBURGH), EO (CHAFFEE) AND FEMA (SIMMERS).

HOO NOTE: THERE WAS A SUBSEQUENT CONVERSATION BETWEEN PACIFIC GAS AND ELECTRIC'S GEOSCIENCE DEPARTMENT (TSAI) AND NRR (ROTHMAN, BAGCHI, CHAFFEE) TO OBTAIN ADDITIONAL TECHNICAL INFORMATION ON THE EARTHQUAKE. ACCORDING TO PG&E THE EARTHQUAKE'S DEPTH WAS APPROXIMATELY 6.9 KILOMETERS AND IT'S EPICENTER WAS 2.2 KILOMETERS SOUTHWEST OF THE PLANT.

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Power Reactor

Event # 28389

|                                     |            |                    |            |  |            |   |
|-------------------------------------|------------|--------------------|------------|--|------------|---|
| Site: CATAWBA                       |            |                    |            | Notification Date / Time: 02/15/1995 11:35 (EST) |            |   |
| Unit: 1                             |            | Region: 2          |            | State : SC                                       |            | Event Date / Time: 02/15/1995 10:58 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |                    |            | Last Modification: 02/15/1995                    |            |   |
| Containment Type: ICE COND          |            |                    |            |  |            |   |
| NRC Notified by: BRADLEY            |            |                    |            | Notifications: CASTO                             |            | RDO                                       |
| HQ Ops Officer: BOB STRANSKY        |            |                    |            | DENNIG   |            | EO  |
| Emergency Class: UNUSUAL EVENT      |            |                    |            | BERNICE  |            | FEMA                                      |
| 10 CFR Section:                     |            |                    |            |  |            |   |
| 50.72(a)(1)(i)                      |            | EMERGENCY DECLARED |            |  |            |   |
| 50.72(b)(2)(v)                      |            | OFFSITE MEDICAL    |            |  |            |   |
| Unit                                | Scram Code | RX Crit            | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                   | N          | No                 | 0          |  | 0          |   |

UNUSUAL EVENT DECLARED DUE TO TRANSPORTATION OF POTENTIALLY CONTAMINATED INJURED MAN TO LOCAL MEDICAL FACILITY.

AT 1058 EST, AN UNUSUAL EVENT WAS DECLARED DUE TO THE TRANSPORTATION OF A POTENTIALLY CONTAMINATED INJURED INDIVIDUAL TO THE PIEDMONT MEDICAL CENTER. THE INDIVIDUAL HAD FALLEN APPROXIMATELY 20 FEET FROM A LADDER IN THE CONTAINMENT AND WAS COMPLAINING OF BACK INJURIES. THE LICENSEE PLACED THE INDIVIDUAL ON A BACKBOARD, AND THEN PROCEEDED TO REMOVE AS MUCH OF THE INDIVIDUAL'S ANTI-CONTAMINATION CLOTHING AS POSSIBLE BEFORE TRANSPORT. THE UNUSUAL EVENT WAS TERMINATED AT 1118 EST WHEN THE INDIVIDUAL ARRIVED AT THE MEDICAL CENTER. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\*\*\*

Power Reactor

Event # 28395

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SEQUOYAH                      |           | Notification Date / Time: 02/15/1995 22:22 (EST) |   |
| Unit: 1 2                           | Region: 2 | State : TN                                       | Event Date / Time: 02/15/1995 21:26 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 02/15/1995                    |   |
| Containment Type: ICE COND ICE COND |           |  |   |
| NRC Notified by: ROBERT HAYES       |           | Notifications: CHARLES CASTO RDO                 |   |
| HQ Ops Officer: JOSEPH SEBROSKY     |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT      |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 98         | Power Operation | 98         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO BOTH EMERGENCY DIESEL GENERATORS (EDG) FOR UNIT 2 BEING INOPERABLE.

THE LICENSEE HAD REMOVED THE 2AA EDG FROM SERVICE AND DECLARED IT INOPERABLE TO PERFORM ROUTINE MAINTENANCE AND MONTHLY SURVEILLANCE TESTING ON THE EDG. THE LICENSEE'S TECHNICAL SPECIFICATIONS REQUIRE THAT WITH ONE EDG INOPERABLE THE OTHER THREE EDGS AT THE SITE MUST BE DEMONSTRATED OPERABLE. TO DEMONSTRATE THE EDGS OPERABLE THEY ARE RUN FOR 5 MINUTES AT NORMAL SPEED (900 RPM) AFTER WHICH TIME THEY ARE GIVEN A "NORMAL" SHUTDOWN SIGNAL. THE NORMAL SHUTDOWN FOR THE EDG RUNS THE EDG AT A REDUCED SPEED (400 RPM) FOR 10 MINUTES AND THEN STOPS THE EDG. AFTER THE NORMAL SHUTDOWN IS COMPLETED THE EDG IS READY FOR ANY SUBSEQUENT AUTOMATIC START SIGNAL.

THE 1AA EDG AND THE 1BB EDG WENT THROUGH THE NORMAL SHUTDOWN CYCLE WITHOUT A PROBLEM. THE 2BB EDG DID NOT STOP AFTER THE 10 MINUTE RUN AT REDUCED SPEEDS AS EXPECTED. THE LICENSEE WAS IN THE PROCESS OF INVESTIGATING WHY THE EDG DID NOT STOP WHEN THEY RECEIVED A LOW LUBE OIL LEVEL ALARM FOR THIS EDG. BASED ON THIS ALARM AND THE FACT THAT THE EDG WAS NOT GOING THROUGH A 'NORMAL' SHUTDOWN SEQUENCE OPERATORS IN THE CONTROL 'EMERGENCY STOPPED' THE EDG. WHEN THE EDG HAS BEEN 'EMERGENCY STOPPED' IT WILL NOT RESTART ON A SUBSEQUENT AUTOMATIC START SIGNAL. THEREFORE THE LICENSEE DECLARED THIS EDG INOPERABLE AND WITH BOTH EDGS INOPERABLE ON THE SAME UNIT THE LICENSEE DECLARED AN UNUSUAL EVENT FOR BOTH UNITS.

THE LICENSEE EXITED THE UNUSUAL EVENT AT 22:20 WHEN THE 2BB EDG WAS RETURNED TO OPERABLE STATUS. AN OPERATOR VERIFIED LOCALLY THAT THE 2BB EDG LUBE OIL LEVEL IS WITHIN ITS REQUIRED LIMITS. THE LUBE OIL LEVEL WAS ALSO COMPARED WITH THE OTHER EDGS. ALL OF EDG'S LUBE OIL LEVELS ARE WITHIN THE SAME RANGE. THEREFORE THE LICENSEE HAS CONCLUDED THAT THE LOW LUBE OIL LEVEL ANNUNCIATOR IS INCORRECT. THE LOW LUBE OIL LEVEL ALARM SWITCH IS A NON TECH SPEC REQUIRED SWITCH AND IS NOT NECESSARY FOR THE

Power Reactor

Event # 28395

OPERABILITY OF THE DIESEL. THE OPERATORS RESET THE EMERGENCY STOP SIGNAL, RETURNED THE EDG TO NORMAL STANDBY STATUS AND DECLARED THE 2BB EDG OPERABLE AT 22:20.

THE LICENSEE IS CONTINUING TO INVESTIGATE THE PROBLEM WITH THE NORMAL SHUTDOWN OF THE 2BB EDG. NORMAL OFFSITE POWER IS AVAILABLE, HOWEVER, THERE ARE THUNDERSTORMS IN THE AREA AND THE LICENSEE HAS HAD INDICATION OF LIGHTENING STRIKES ON THE GRID. THE LICENSEE IS IN THE PROCESS OF RETURNING THE 2AA EDG TO SERVICE, WHICH WILL TAKE SEVERAL HOURS.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

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Power Reactor

Event # 28398

|  |                      |  |  |
|--|----------------------|--|--|
| Site: BIG ROCK POINT                   |                      | Notification Date / Time: 02/16/1995 14:16 (EST) |  |
| Unit: 1                                | Region: 3 State : MI | Event Date / Time: 02/16/1995 13:50 (EST)        |  |
| Reactor Type: [1] GE-1                 |                      | Last Modification: 02/16/1995                    |  |
| Containment Type:                      |                      |  |  |
| NRC Notified by: GOBLE                 |                      | Notifications: BURDICK RDO                       |  |
| HQ Ops Officer: BOB STRANSKY           |                      | GRIMES EO  |  |
| Emergency Class: UNUSUAL EVENT         |                      | SUMMERS FEMA                                     |  |
| 10 CFR Section:                        |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                      |  |  |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO UNIT SHUTDOWN REQUIRED BY PLANT TECHNICAL SPECIFICATIONS.

THE LICENSEE COMMENCED A PLANT SHUTDOWN DUE TO AN UNANALYZED CONDITION REGARDING CORE SPRAY SYSTEM FLOW. HIGH DIFFERENTIAL PRESSURE WAS OBSERVED ON ONE OF THE BASKET STRAINERS IN THE PLANT FIRE SUPPRESSION SYSTEM, WHICH SUPPLIES WATER TO THE CORE SPRAY SYSTEM. THE LICENSEE DOES NOT KNOW THE SOURCE OF THE BLOCKAGE AT THIS TIME. THE LICENSEE HAS DECIDED NOT TO ATTEMPT TO CLEAN THE STRAINERS DURING THE PLANT SHUTDOWN. THE LICENSEE PLANS TO TAKE THE UNIT TO COLD SHUTDOWN CONDITIONS. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\* UPDATE 1551 2/16/95 FROM GOBLE TAKEN BY STRANSKY \*\*\*

THE UNIT IS CURRENTLY AT APPROXIMATELY 30% POWER AND DECREASING. THE LICENSEE PROVIDED THE FOLLOWING CLARIFICATION OF THE SHUTDOWN REQUIREMENT:

"BOTH CORE SPRAY SYSTEMS ARE ASSUMED INOPERABLE DUE TO THE UNANALYZED CONDITION FOR ANALYZED SYSTEM FLOW. A DUPLEX BASKET STRAINER IN ONE LINE IS ASSUMED BLOCKED BECAUSE OF INDICATED HIGH DIFFERENTIAL PRESSURE AND THE INABILITY TO SELECT ONLY ONE STRAINER. THIS CONDITION, IN CONJUNCTION WITH FAILURES ASSUMED IN THE ECCS FLOW ANALYSIS (1) BEING LOSS OF ONE FIRE PUMP, AND (2) A CORE SPRAY LINE BREAK, RESULTS IN THE UNANALYZED CONDITION FOR ADEQUATE CORE SPRAY FLOW. PLANT TECHNICAL SPECIFICATIONS SECTION 11.3.1.4.F FOR BOTH CORE SPRAY SYSTEMS INOPERABLE REQUIRE THE PLANT TO BE IN THE SHUTDOWN CONDITION, WHICH IS DEFINED AS ALL OR ALL BUT ONE CRD [CONTROL ROD DRIVE] FULLY INSERTED AND PRIMARY COOLANT TEMPERATURE LESS THAN 212°F, WITHIN 12 HOURS." THE PLANT WILL REMAIN IN THE UNUSUAL EVENT UNTIL SHUTDOWN CONDITIONS ARE REACHED.

\*\*\* UPDATE AT 0013 2/17/95 FROM BOSS TAKEN BY WEAVER \*\*\*

Power Reactor

Event # 28398

THE PLANT WILL BE UNABLE TO MEET THE TIME REQUIREMENT OF THE LCO ACTION STATEMENT. SPECIFICALLY, THE PLANT IS CURRENTLY AT 375 F AND WILL NOT BE ABLE TO REACH 212 F BY 0150 WHEN THE ACTION STATEMENT TIME LIMIT EXPIRES. THE COOLDOWN RATE LIMIT FOR THE CURRENT CONDITIONS IS 100 F PER HOUR. THE LICENSEE CONSIDERS THIS TO BE OF MINIMAL SAFETY SIGNIFICANCE AS THE PLANT IS STABLE IN COOLDOWN. THEY EXPECT TO REACH 212 F AROUND 0400 TODAY. THE PRIMARY CAUSE OF THE DELAY WAS A PROBLEM WITH A DRAIN VALVE IN THE COOLDOWN SYSTEM. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED RDO (), EO ()

\*\*\* UPDATE AT 0613 2/17/95 FROM PETITJEAN TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0605 WHEN THE PLANT REACHED SHUTDOWN CONDITIONS WITH TEMPERATURE LESS THAN 212 F. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED RDO (BURDICK), EO (), FEMA (AUSTIN)

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Power Reactor

Event # 28399

|  |                      |  |  |
|--|----------------------|--|--|
| Site: CLINTON                          |                      | Notification Date / Time: 02/16/1995 14:28 (EST) |  |
| Unit: 1                                | Region: 3 State : IL | Event Date / Time: 02/16/1995 13:15 (CST)        |  |
| Reactor Type: [1] GE-6                 |                      | Last Modification: 02/16/1995                    |  |
| Containment Type: MARK III             |                      |  |  |
| NRC Notified by: D HODEL               |                      | Notifications: TOM BURDICK RDO                   |  |
| HQ Ops Officer: JOHN MacKINNON         |                      | CHRIS GRIMES EO                                  |  |
| Emergency Class: UNUSUAL EVENT         |                      | SULLIVAN FEMA                                    |  |
| 10 CFR Section:                        |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                      |  |  |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 90         | Power Operation | 90         | Power Operation |

TECH SPEC REQUIRED SHUTDOWN BECAUSE DIVISION 2 125 VOLT DC POWER SUPPLY DECLARED INOPERABLE.

LICENSEE COMMENCED A REACTOR PLANT SHUTDOWN AT A RATE OF 100 MWe/HOUR BECAUSE THEY ENTERED TECH SPEC 3.8.4 (DIVISION 2 DC ELECTRICAL POWER SUBSYSTEM INOPERABLE) AFTER DECLARING THE DIVISION 2 125 VOLT DC POWER SUPPLY INOPERABLE. THE DIVISION 2 125 VOLT DC ELECTRICAL POWER SYSTEM WAS DECLARED INOPERABLE AS A RESULT OF VOLTAGE LESS THAN 129 VOLTS. THE CAUSE OF THE LOW VOLTAGE WAS A FAILURE OF A SILICON CONTROLLED RECTIFIER (SCR) FIRING CARD IN THE DIVISION 2 BATTERY CHARGER. THE BATTERY CHARGER HAS BEEN REPLACED AND THE LICENSEE IS PERFORMING A 4 HOUR OPERABILITY TEST OF THE BATTERY CHARGER. BATTERIES ARE EXPECTED TO PROVIDE ADEQUATE VOLTAGE TO THE DIVISION 2 DC ELECTRICAL POWER SYSTEM WHILE THE BATTERY CHARGER IS OUT OF SERVICE. THE LICENSEE WILL INVESTIGATE WHY THE SCR FIRING CARD FAILED. ALL EMERGENCY DIESEL GENERATORS AND ALL THEIR EMERGENCY CORE COOLING SYSTEMS ARE FULLY OPERABLE IF NEEDED. ALL OFFSITE POWER IS AVAILABLE AND THE GRID IS STABLE. LICENSEE NOTIFIED STATE OFFICIALS THAT THEY WERE IN AN UNUSUAL EVENT.

THE NRC RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\* UPDATE 2034 2/16/95 BY SCHOTTEL TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1912 CST WHEN THE DIVISION II BATTERY CHARGER WAS DECLARED OPERABLE. THE NRC REGION 3 OFFICE ISSUED A 12 HOUR NOTICE OF ENFORCEMENT DISCRETION TO THE LICENSEE TO PREVENT AN UNNECESSARY SHUTDOWN OF THE UNIT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R3DO (BURDICK), EO (ROE), FEMA (MOSTELLER).

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Power Reactor

Event # 28427

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SEQUOYAH                         |            | Notification Date / Time: 02/23/1995 17:28 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : TN                                       | Event Date / Time: 02/23/1995 17:15 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |            | Last Modification: 04/04/1995                    |   |                 |            |                 |
| Containment Type: ICE COND             |            |  |   |                 |            |                 |
| NRC Notified by: REEVES                |            | Notifications: CHRIS CHRISTENSEN RDO             |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE          |            | WILLIAM TRAVERS EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | EARL FEMA  |   |                 |            |                 |
| 10 CFR Section:                        |            | HENRY BAILEY AEOD                                |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            | JOSEPH GIITTER AEOD                              |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION          |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                      |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | M/R        | Yes  | 5   | Power Operation | 0          | Hot Standby     |

- UE & PLANT SHUTDOWN DUE TO UNIDENTIFIED LEAK > TS LIMIT; Rx TRIP @ 5% -

WITH UNIT 1 AT 100% POWER, LICENSEE ESTIMATED A LEAK INTO CONTAINMENT TO BE 3 TO 5 GPM. PRESSURIZER LEVEL DROPPED FROM 60 TO 57%; VOLUME CONTROL TANK LEVEL DROPPED FROM 63%; REACTOR BUILDING SUMP LEVELS INCREASED; RADIATION MONITOR IN THE INCORE INSTRUMENT ROOM INDICATED HIGH. A RADIATION CONTROL TECHNICIAN OBSERVED STEAM AND WATER IN THE INCORE INSTRUMENT ROOM BY LOOKING THROUGH THE AIR LOCK DOOR OBSERVATION GLASS.

LICENSEE CLASSIFIED THE LEAK AS UNIDENTIFIED LEAKAGE: TECH SPEC UNIDENTIFIED LEAK RATE LIMIT IS 1 GPM.

TECH SPEC LCO A/S 3.4.6.2 REQUIRES LICENSEE TO RESTORE THE LEAK RATE TO WITHIN THE TECH SPEC LIMIT WITHIN 4 HOURS OR TO PLACE UNIT 1 IN AT LEAST HOT STANDBY MODE WITHIN THE NEXT 6 HOURS.

LICENSEE BEGAN SHUTTING UNIT 1 DOWN FROM 100% POWER AT THE RATE OF 2% PER MINUTE AND EXPECTS TO BE SHUTDOWN BY 1830.

AT 1715, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN. LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND HAS NOTIFIED THE NRC RESIDENT INSPECTOR.

1 OF 4 EDGs (#2B) SHARED BETWEEN BOTH UNITS IS INOPERABLE.

THIS EVENT HAS NO EFFECT ON UNIT 2 WHICH IS AT 100% POWER.

Power Reactor

Event # 28427

\*\*\* UPDATE AT 1837 BY WEBB ENTERED BY HOO JOLLIFFE \*\*\*

AT 1826 WITH POWER AT 5%, UNIT 1 RECEIVED A CONTROL ROD URGENT FAILURE ALARM INDICATING A PROBABLE PROBLEM IN THE ROD CONTROL CABINETS. CONTROL ROOM OPERATORS MANUALLY TRIPPED THE REACTOR. ALL CONTROL RODS INSERTED COMPLETELY AND STEAM IS BEING DUMPED TO THE MAIN CONDENSER. UNIT 1 IS STABLE IN MODE 3 (HOT STANDBY).

LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R2DO CHRISTENSEN AND NRR EO TRAVERS.

\*\*\* UPDATE AT 1254 ON 02/24/95 BY GRABLE ENTERED BY HOO JOLLIFFE \*\*\*

AT 0415 ON 02/24/95, LICENSEE ISOLATED THE LEAK. THE LEAK IS COMING FROM THE INCORE REACTOR VESSEL LEVEL INDICATION SYSTEM LOWER TAP COMPRESSION FITTING.

AT 1240, WITH THE RCS UNIDENTIFIED LEAK RATE AT 0.9 GPM, LICENSEE EXITED TECH SPEC LCO A/S 3.4.6.2 AND TERMINATED THE UNUSUAL EVENT. UNIT 1 IS STABLE IN MODE 4 (HOT SHUTDOWN).

LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. LICENSEE HAS ISSUED A PRESS RELEASE.

LICENSEE WILL REPAIR THE LEAK PRIOR TO PLANT RESTART.

HOO NOTIFIED R2DO CHRISTENSEN, NRR EO DENNIG, FEMA DAMICO.

\*\*\*UPDATE 4/4/95 @ 12:47 FROM FIELDS TAKEN BY SEBROSKY\*\*\*

THE LICENSEE IS UPDATING THIS REPORT TO CLARIFY SOME INFORMATION. UPON REVIEWING STRIP CHARTS THE LICENSEE HAS DETERMINED THAT THE REACTOR WAS AT 2% WHEN THEY RECEIVED A CONTROL ROD URGENT FAILURE ALARM. PRIOR TO THE FAILURE THE LICENSEE WAS SHUTTING DOWN THE UNIT BY INSERTING CONTROL RODS AND BY ADDING BORON TO THE REACTOR COOLANT SYSTEM. BY THE TIME THE OPERATORS MANUALLY TRIPPED THE REACTOR, THE REACTOR WAS ALREADY SUBCRITICAL DUE TO THE BORON ADDITION.

THE LICENSEE WILL INFORM THE RESIDENT INSPECTOR. HOO NOTIFIED R2DO(HOSEY).

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Power Reactor

Event # 28453

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FERMI                       |           | Notification Date / Time: 02/28/1995 04:38 (EST) |   |
| Unit: 2                           | Region: 3 | State : MI                                       | Event Date / Time: 02/28/1995 04:16 (EST) |
| Reactor Type: [2] GE-4            |           | Last Modification: 02/28/1995                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: SUE REITH        |           | Notifications: JIM MCCORMICKBARGER RDO           |   |
| HQ Ops Officer: JOSEPH SEBROSKY   |           | WILLIAM TRAVERS EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CARR FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Startup         | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED AND TERMINATED DUE TO A REACTOR VESSEL LEVEL DIVERGENCE RESULTING IN SHUTDOWN OF THE UNIT.

AT 4:16 AN UNUSUAL EVENT WAS DECLARED DUE TO LOSS OF ESF REQUIRING SHUTDOWN IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS. ISOLATION AND ACTUATION INSTRUMENTATION CHANNELS WERE DECLARED INOPERABLE PER TECH SPEC 3.3.2.1 WHEN DIVISION II NARROW RANGE LEVEL INDICATORS BEGAN DIVERGING FROM DIVISION I LEVEL INSTRUMENTATION. AT THE TIME THE REACTOR WAS IN MODE 2 STARTUP WITH ALL RODS INSERTED PERFORMING TESTING ON THE MAIN TURBINE.

TO COMPLY WITH THE TECH SPEC ACTION STATEMENT THE MODE SWITCH WAS PLACED IN SHUTDOWN. THIS PLACED THE UNIT IN A COLD SHUTDOWN CONDITION. CURRENT REACTOR COOLANT TEMPERATURE IS 160°F. THE UNUSUAL EVENT WAS TERMINATED AT THE SAME TIME THE MODE SWITCH WAS PLACED IN SHUTDOWN.

THE LICENSEE IS CONTINUING TO INVESTIGATE THE CAUSE OF THE LEVEL DIVERGENCE. THE LICENSEE FIRST NOTICED THE INCREASE IN THE DIVERGENCE ON THE EARLY AFTERNOON OF 2/27/95. AT 16:32 ON 2/27/95 DIVISION II NARROW RANGE LEVEL INSTRUMENTS WERE DECLARED INOPERABLE BECAUSE THEY WERE READING 5 INCHES HIGHER THAN DIVISION I INSTRUMENTS. THIS PLACED THE LICENSEE IN A 12 HOUR SHUTDOWN LCO. THE LICENSEE WAS UNABLE TO RESOLVE THE LEVEL DISCREPANCY AND CONSEQUENTLY WENT TO SHUTDOWN ON THE MODE SELECTOR SWITCH.

DIVISION II NARROW RANGE LEVEL INSTRUMENTS ARE CURRENTLY READING APPROXIMATELY 10 INCHES HIGHER THAN DIVISION I. THE LICENSEE INITIALLY SUSPECTED REFERENCE LEG LEAKAGE AND HAS PERFORMED WALKDOWNS OF ALL THE INSTRUMENTATION WITHOUT IDENTIFYING ANY PROBLEMS.

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

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Power Reactor

Event # 28453

THE LICENSEE INFORMED STATE, LOCAL, AND CANADIAN OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN. THE LICENSEE ALSO NOTIFIED THE RESIDENT INSPECTOR. HOO NOTIFIED AECB OF CANADA (PEREIRA).

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Power Reactor

Event # 28457

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: POINT BEACH                      |            | Notification Date / Time: 02/28/1995 22:26 (EST) |   |                 |            |                 |
| Unit: 1                                | Region: 3  | State : WI                                       | Event Date / Time: 02/28/1995 20:59 (CST) |                 |            |                 |
| Reactor Type: [1] W-2-LP,[2] W-2-LP    |            | Last Modification: 02/28/1995                    |   |                 |            |                 |
| Containment Type: DRY AMB              |            |  |   |                 |            |                 |
| NRC Notified by: BAUER                 |            | Notifications: MCCORMICK-BARGER RDO              |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY           |            | THOMAS EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 90         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO PLANT SHUTDOWN REQUIRED BY TECHNICAL SPECIFICATIONS.

THE FOLLOWING IS TEXT OF A FACSIMILE SUBMITTED BY THE LICENSEE:

"POINT BEACH UNIT 1 IS IN AN UNUSUAL EVENT EMERGENCY CLASSIFICATION REQUIRING UNIT 1 SHUTDOWN IN 3 HOURS DUE TO LOSS OF DC CONTROL POWER TO SAFEGUARDS RELAY RACK 1C157. UNIT 1 IS SHUTTING DOWN AT A RATE OF 15% PER HOUR. TROUBLESHOOTING EFFORTS ARE IN PROGRESS. IT APPEARS THAT DC CONTROL POWER WAS LOST AS A RESULT OF DC CONTROL POWER INDICATING LAMP FAILURE. THE LAMP AND FUSES ARE BEING REPLACED AT THIS TIME. IF REPAIRS ARE UNSUCCESSFUL, THE RATE OF SHUTDOWN WILL BE INCREASED."

ALL EMERGENCY SAFETY FEATURES EQUIPMENT IS AVAILABLE, WITH THE EXCEPTION OF THE "A" COMPONENT COOLING WATER PUMP. THE NRC RESIDENT WILL BE INFORMED BY THE LICENSEE. THE STATE AND LOCAL COUNTIES HAVE BEEN NOTIFIED BY THE LICENSEE.

\*\*\* UPDATE 2324 2/28/95 BY BAUER TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2145 CST WHEN POWER WAS RESTORED TO THE RELAY RACK. TECHNICIANS REPLACED THE INDICATING LIGHT BULB AND ITS HOLDER, AND ALSO REPLACED A BLOWN FUSE ON THE RELAY RACK. THE NRC RESIDENT HAS BEEN INFORMED. NOTIFIED R3DO (McCORMICK-BARGER), EO (THOMAS), FEMA (AUSTIN).

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Power Reactor

Event # 28459

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CLINTON                     |           | Notification Date / Time: 03/01/1995 05:02 (EST) |   |
| Unit: 1                           | Region: 3 | State : IL                                       | Event Date / Time: 03/01/1995 03:45 (CST) |
| Reactor Type: [1] GE-6            |           | Last Modification: 03/01/1995                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: JIM SCHOTTEL     |           | Notifications: JIM MCCORMICKBARGER RDO           |   |
| HQ Ops Officer: DOUG WEAVER       |           | THOMAS EO  |   |
| Emergency Class: UNUSUAL EVENT    |           | BAGWELL FEMA                                     |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 75         | Power Operation | 75         | Power Operation |

## UNUSUAL EVENT DECLARED BASED ON A FIRE LASTING MORE THAN 10 MINUTES

AN UNUSUAL EVENT WAS DECLARED DUE TO A FIRE ON THE ALPHA MAIN FEED PUMP TURBINE. THE FIRE WAS DISCOVERED AT 0335 CST. THE UE WAS DECLARED AT 0345 CST. ALTHOUGH THE FIRE BRIGADE RESPONDED IMMEDIATELY AND PUT OUT THE FIRE, SUBSEQUENT REFLASHES EXCEEDED 10 MINUTES AND AN UNUSUAL EVENT WAS DECLARED. THE LICENSEE PLANS TO TERMINATE THE UE WHEN THERE IS NO CHANCE OF ANOTHER REFLASH. MEMBERS OF THE FIRE BRIGADE WILL REMAIN IN THE MAIN FEED PUMP ROOM UNTIL THERE IS NO RISK OF FURTHER FIRE. ALL ECCSs ARE OPERABLE.

THE BRAVO MAIN FEED PUMP TRIPPED YESTERDAY AT ABOUT 83% POWER FOR UNKNOWN REASONS. THE LICENSEE REDUCED POWER TO 75% AT THAT POINT AND HAS BEEN OPERATING AT 75% POWER SINCE THEN. THE ALPHA PUMP IS OPERATING NEAR CAPACITY AND IS BEING SUPPLIED WITH STEAM FROM THE MAIN STEAM LINES VICE THE CROSS OVER LINES. THE LICENSEE HAS SPECULATED THAT THE INCREASED TEMPERATURE OF THE SUPPLY STEAM IN A PIPE WHICH HAS NOT SUPPLIED STEAM FOR A LONG PERIOD OF TIME MAY HAVE IGNITED SOME OIL SOAKED LAGGING.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0631 ON 3/1/95 BY SCHOTTEL TAKEN BY WEAVER \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0528 CST AFTER THE LAGGING WAS REMOVED FROM THE AREA OF THE FIRE. ALL COMBUSTIBLE MATERIAL HAS EFFECTIVELY BEEN REMOVED FROM THE AREA OF THE FIRE. THE LICENSEE REDUCED POWER TO 62% SHORTLY AFTER MAKING THE INITIAL NOTIFICATION. THIS CAUSED THE STEAM SUPPLY TO THE FEED PUMP TURBINE TO SHIFT BACK TO THE CROSSOVER PIPING. HOO NOTIFIED RDO (MCCORMICKBARGER), FEMA (BAGWELL), EO (THOMAS).

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Power Reactor

Event # 28463

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: NORTH ANNA                    |           | Notification Date / Time: 03/01/1995 16:50 (EST) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 03/01/1995 16:15 (EST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 03/01/1995                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: HUMMELL            |           | Notifications: CLINE                             | RDO                                       |
| HQ Ops Officer: BOB STRANSKY        |           | GRIMES   | EO  |
| Emergency Class: UNUSUAL EVENT      |           | AUSTIN   | FEMA                                      |
| 10 CFR Section:                     |           | MCPEEK   | IAT                                       |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 73.71(b)(1) SECURITY DEGRADATION    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 76         | Power Operation | 76         | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO HEIGHTENED SECURITY AWARENESS AT SITE.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE INOPERABILITY OF ALL SECURITY CARD READERS ONSITE. AN ELECTRICAL FAULT OF UNKNOWN ORIGIN CAUSED A NUMBER OF THE CARD READERS TO BEGIN SMOKING, PROMPTING THE LICENSEE TO DEENERGIZE THE CARD READER SYSTEM. A SMALL FIRE HAD BEEN EXTINGUISHED BY THE STATION FIRE BRIGADE SEVERAL MINUTES BEFORE EMPLOYEES BEGAN NOTIFYING THE CONTROL ROOM THAT INDIVIDUAL CARD READERS HAD BEGUN SMOKING. THE STATION MANAGER ELECTED TO DECLARE AN UNUSUAL EVENT DUE TO THIS CONDITION.

ALL CARD READERS HAVE BEEN DEENERGIZED AT THIS TIME. AT NO POINT DID ANY OF THE CARD READERS EXHIBIT ANY FLAMES. THE LICENSEE STATED THAT ALL SECURITY COMPENSATORY ACTIONS WERE IN PLACE, AND EMPLOYEE ACCESS TO AREAS NECESSARY FOR PLANT OPERATIONS WERE NOT BEING IMPEDED. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\* UPDATE 1709 3/1/95 FROM HUMMELL TO STRANSKY \*\*\*

THE LICENSEE HAS TERMINATED THE UNUSUAL EVENT AT 1659. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R2DO (CLINE), EO (THOMAS), FEMA (AUSTIN).

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Power Reactor

Event # 28495

|   |            |           |            |  |            |   |
|---|------------|-----------|------------|--|------------|---|
| Site: THREE MILE ISLAND                 |            |           |            | Notification Date / Time: 03/07/1995 11:52 (EST) |            |   |
| Unit: 1                                 |            | Region: 1 |            | State : PA                                       |            | Event Date / Time: 03/07/1995 11:40 (EST) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP |            |           |            | Last Modification: 03/07/1995                    |            |   |
| Containment Type: DRY AMB               |            |           |            |  |            |   |
| NRC Notified by: RICK JOHNSON           |            |           |            | Notifications: JAMES JOYNER                      |            | RDO                                       |
| HQ Ops Officer: DOUG WEAVER             |            |           |            | ED GOODWIN                                       |            | EO  |
| Emergency Class: UNUSUAL EVENT          |            |           |            | STINDURF   |            | FEMA                                      |
| 10 CFR Section:                         |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS  |            |           |            |  |            |   |
| TECH SPEC LCO A/S                       |            |           |            |  |            |   |
| Unit                                    | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                       | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

UNUSUAL EVENT DECLARED BASED ON A REACTOR COOLANT SYSTEM LEAK GREATER THAN TECH SPECS LIMITS.

A REACTOR COOLANT SYSTEM LEAK OF 15 GPM INSIDE CONTAINMENT WAS REPORTED. THE LEAKAGE HAS BEEN TERMED IDENTIFIED. THE LICENSEE SUSPECTS, BUT HAS NOT CONFIRMED, THAT THE LEAK IS FROM THE "HOT LEG LEVEL TRANSMITTER" OF THE REACTOR COOLANT INVENTORY TRACKING (RCIT) SYSTEM. THE LICENSEE IS ATTEMPTING TO STOP THE LEAK BY ISOLATING THE TRANSMITTER. ALL ENGINEERED SAFEGUARD FEATURES AND EMERGENCY CORE COOLING SYSTEMS ARE OPERABLE. NO ABNORMAL RADIOACTIVE RELEASE TO THE ENVIRONMENT HAS OCCURRED.

THE PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY AND THE APPROPRIATE LOCAL COUNTIES HAVE BEEN NOTIFIED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. A PRESS RELEASE IS PLANNED.

\*\*\* UPDATE AT 1229 ON 3/7/95 BY JOHNSON TAKEN BY WEAVER \*\*\*

THE LEAK IS CONFIRMED TO BE IN RC-LT-1034 (A LEVEL TRANSMITTER IN THE RCIT SYSTEM). THE HIGH SIDE ISOLATION VALVES WERE SHUT AND DID NOT STOP THE LEAK. THE LICENSEE HAS JUST SHUT THE LOW SIDE ISOLATION VALVES AND IS CALCULATING THE NEW LEAK RATE. MAINTENANCE WAS IN PROGRESS ON THE LEVEL TRANSMITTER WHEN THE LEAK STARTED. HOO NOTIFIED RDO (JOYNER) & EO (GOODWIN).

\*\*\* UPDATE AT 1249 ON 3/7/95 BY JOHNSON TAKEN BY WEAVER \*\*\*

RCV-1196 AND 1197 (LOW SIDE VALVES) HAVE BEEN SHUT AND THE LEAK HAS BEEN ISOLATED. RCV-1208 AND 1209 (HIGH SIDE VALVES) WERE THE FIRST VALVES SHUT AND DID NOT STOP THE LEAK. ABOUT 600 GALLONS OF WATER HAVE COLLECTED IN THE REACTOR BUILDING SUMP. THE LICENSEE

Power Reactor

Event # 28495

IS PERFORMING A TWO HOUR LEAK RATE TEST STARTED AT 1245. HOO NOTIFIED RDO (JOYNER) & EO (GOODWIN).

\*\*\* UPDATE AT 1333 ON 3/7/95 BY JOHNSON/BIXLER TAKEN BY JOLLIFFE \*\*\*

TECH SPEC LCO A/S 3.1.6.1 REQUIRES THE LICENSEE TO REDUCE THE TOTAL LEAK RATE TO LESS THAN 10 GPM OR PLACE UNIT 1 IN AT LEAST HOT SHUTDOWN MODE WITHIN 24 HOURS OF DETECTION OF THE LEAK. AT 1322 ON 3/7/95, WITH THE LEAK ISOLATED, LICENSEE EXITED A/S 3.1.6.1, AND TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. UNIT 1 REMAINED AT 100% POWER THROUGHOUT THIS EVENT.

SHUTTING THE LOW SIDE RCIT SYSTEM VALVES ISOLATED THE LEAK AND RENDERED 2 OF 2 RCIT SYSTEM CHANNELS INOPERABLE. TECH SPEC LCO A/S 3.2.4 REQUIRES LICENSEE TO RESTORE 1 OF 2 CHANNELS TO OPERABLE STATUS WITHIN 7 DAYS AND THE REMAINING CHANNEL TO OPERABLE STATUS WITHIN 30 DAYS OR TO INCLUDE THE DETAILS OF THE EVENT IN THE MONTHLY OPERATING REPORT SUBMITTED TO THE NRC.

ONE OF THE I & C TECHNICIANS WORKING ON THE TRANSMITTER HAD A SMALL AMOUNT OF RADIOACTIVE WATER SPILL ONTO ONE OF HIS ARMS; HE HAS SINCE BEEN DECONTAMINATED.

NO RADIOACTIVE MATERIALS HAVE BEEN RELEASED OFFSITE.

LICENSEE ISSUED A PRESS RELEASE ON THIS EVENT.

HOO NOTIFIED R1DO JOYNER, NRR EO GOODWIN, FEMA STINDURF & AEOD BAILEY.

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Power Reactor

Event # 28515

|                                     |                       |  |   |
|-------------------------------------|-----------------------|--|---|
| Site: DIABLO CANYON                 |                       | Notification Date / Time: 03/10/1995 22:22 (EST) |   |
| Unit: 1 2                           | Region: 4             | State : CA                                       | Event Date / Time: 03/10/1995 18:50 (PST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                       | Last Modification: 03/11/1995                    |   |
| Containment Type: DRY AMB DRY AMB   |                       |  |   |
| NRC Notified by: BECKER             |                       | Notifications: CHRIS VANDENBURGH RDO             |   |
| HQ Ops Officer: TIM McGINTY         |                       | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT      |                       | BAGWELL FEMA                                     |   |
| 10 CFR Section:                     |                       | D. CHAMBERLAIN R4                                |   |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED    | R. SCARANO                                       | R4  |
| 50.72(b)(1)(v)                      | OTHER ASMT/COMM INOP  | J. DYER  | R4  |
| 50.72(b)(1)(v)                      | ENS INOPERABLE        |  |   |
| 50.72(b)(1)(iii)                    | OTHER NATURL/EXT COND |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UE DECLARED AT MANAGEMENT'S DISCRETION BASED ON SEVERE WEATHER IN THE AREA.

THE LICENSEE DECLARED AN UNUSUAL EVENT (AT THE DISCRETION OF MANAGEMENT) DUE TO PLANT ACCESS BEING RESTRICTED BECAUSE OF SEVERE WEATHER. MUD SLIDES AND FLOODING ARE RESTRICTING ACCESS TO THE PLANT. ADDITIONALLY, 42 OF 131 EMERGENCY SIRENS ARE INOPERABLE DUE TO POWER OUTAGES. SHIFT PERSONNEL ARE HAMPERED FROM COMING ON-SITE TO RELIEVE THE WATCH. THE ON-COMING SHIFT RELIEF CREW IS BEING STAGED AT TWO DIFFERENT OFF-SITE FACILITIES, UNTIL ACCESS TO THE PLANT IS RESTORED. THE LICENSEE IS ARRANGING TEMPORARY RELIEF FOR ON-WATCH OPERATORS (4 HOUR BREAKS). THE LICENSEE HAS NOTIFIED THE STATE AND LOCAL AUTHORITIES, AND THE REGIONAL FEMA OFFICE HAS BEEN NOTIFIED.

SHORTLY AFTER THE INITIAL CALL, THE MORROW BAY 230 KV SWITCHING CENTER NOTIFIED THE CONTROL ROOM THAT DUE TO FLOODING, THERE IS SOME DANGER REGARDING THE LOSS OF THE SWITCHING CENTER. SOME UNDERGROUND CABLING AT THE SWITCHING CENTER HAS EXPERIENCED FLOODING, AND THE COAST GUARD IS ASSISTING IN PUMPING IT DOWN (THE FLOODING LEVELS ARE DECREASING). THE 230 KV MORROW BAY SWITCHING CENTER IS "START-UP" (BACKUP) POWER, WITH OFF-SITE POWER NORMALLY SUPPLIED TO THE UNIT VIA THE 500 KV OUTPUT OF THE MAIN GENERATOR. THE UNIT WOULD BE IN A 72 HOUR LCO IF THE 230 KV STARTUP POWER SOURCE WERE LOST. THE LICENSEE ALSO HAS THE CAPABILITY OF ESTABLISHING A BACK FEED FROM THE 500 KV LINES (CALLED DELAYED ACCESS), WHICH WOULD TAKE OPERATOR MANIPULATIONS (CONSERVATIVELY ABOUT 1 HOUR) TO PROVIDE POWER TO THE NON-VITAL BUSES.

THE UNITS HAVE NOT BEEN EXPERIENCING ANY GRID INSTABILITY. ALL OF THE ECCSS AND EDGs ARE OPERABLE. THE COUNTY CONSIDERS THE CONDITIONS REGARDING EVACUATION OF THE PUBLIC TO BE ACCEPTABLE, AND THE COUNTY EOC HAS BEEN STAFFED. THE LICENSEE IS PLANNING TO REDUCE POWER FOR UNIT 1 TO ABOUT 50% AS A PRECAUTIONARY MEASURE DUE TO OCEAN CONDITIONS. THERE HAVE BEEN SOME INDICATIONS OF INCREASING DIFFERENTIAL PRESSURE IN

Power Reactor

Event # 28515

THE CIRCULATING WATER SYSTEM (RECENTLY HAS STABILIZED), AND REDUCING POWER WOULD PROVIDE ADDITIONAL FLEXIBILITY WITH REGARDS TO THE CIRC WATER SYSTEM.

THE LAST OF THE SEVERE WEATHER IS CONCLUDING NOW, ACCORDING TO FORECASTS. RAIN, HOWEVER, IS FORECAST FOR 2 MORE DAYS. THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT WHEN ACCESS TO THE PLANT HAS BEEN RESTORED, WEATHER CONDITIONS HAVE STABILIZED, AND AT THE DISCRETION OF MANAGEMENT.

TWO CONFERENCE CALLS (2300 AND 2400 EST) INVOLVING NRC PERSONNEL AND THE RESIDENT INSPECTORS WERE ORGANIZED TO ASSESS THE SITUATION. AEOD (JORDAN/BROCKMAN) AND R4RA (CALLAN) WERE ALSO INFORMED.

\* UPDATE DATE/TIME: 3/11/95 @ 1625 EST \*FROM LICENSEE:MAGRUDER BY:McGINTY\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1300 PST. THE TERMINATION IS BASED ON THE FOLLOWING PRESENT STATUS OF THE PLANT AND COUNTY CONDITIONS FOLLOWING THIS MAJOR STORM:

1. PLANT ACCESS ROADS ARE OPEN, AND ALL MUD SLIDES ARE CLEARED.
2. CAPABILITY FOR OFF-SITE PERSONNEL TO PROVIDE EMERGENCY RESPONSE TO THE PLANT HAS BEEN RESTORED.
3. OPERATIONS AND SUPPORT PERSONNEL HAVE BEEN RELIEVED FROM THEIR EXTENDED WATCHES.
4. MAJOR HIGHWAY ROUTES AND EVACUATION ROUTES ARE NOW OPEN.
5. THE NATIONAL WEATHER SERVICE FLOOD WATCH HAS BEEN LIFTED. THE CURRENT WEATHER FORECAST IS FOR 1/2 TO 1 INCH OF RAIN TODAY, CLEARING TOMORROW.
6. A PLANT SITE INSPECTION HAS BEEN PERFORMED AND THERE IS NO DAMAGE AFFECTING SAFETY EQUIPMENT OR CAUSING OPERATIONAL CONSTRAINTS.

UNIT 1 POWER WAS REDUCED TO 50% AS A PRECAUTION DUE TO THE POTENTIAL OF OCEAN KELP PLUGGING CONDENSER WATER BOX TUBES. THE INTAKES SCREENS, HOWEVER, SUCCESSFULLY REMOVED THE KELP AND THE UNIT IS NOW BEING RETURNED TO FULL POWER. ONLY 15 OF 131 EMERGENCY WARNING SIRENS IN THE COUNTY REMAIN OUT OF SERVICE DUE TO ISOLATED POWER OUTAGES.

ALL WATCHES WERE RELIEVED BY 0830 PST THIS MORNING. THE LICENSEE HAS NOTIFIED THE RESIDENT INSPECTORS, THE COUNTY AND THE OFFICE OF EMERGENCY SERVICES OF THE UNUSUAL EVENT TERMINATION. THE LICENSEE WILL ALSO BE ISSUING A PRESS RELEASE REGARDING THE EMERGENCY DECLARATION. HOO NOTIFIED THE R4DO (VANDENBURGH), THE EO (VIRGILIO) AND FEMA (SIMMERS).

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Power Reactor

Event # 28518

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WATERFORD                   |           | Notification Date / Time: 03/13/1995 01:55 (EST) |   |
| Unit: 3                           | Region: 4 | State : LA                                       | Event Date / Time: 03/12/1995 23:55 (CST) |
| Reactor Type: [3] CE              |           | Last Modification: 03/13/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: CASSIDY          |           | Notifications: CHRIS VANDENBURGH RDO             |   |
| HQ Ops Officer: DOUG WEAVER       |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED BASED ON A TOXIC GAS RELEASE

THE LICENSEE DECLARED AN UNUSUAL EVENT AFTER AN EXPLOSION AND TOXIC GAS RELEASE OCCURRED AT THE NEIGHBORING UNION CARBIDE PLANT. WATERFORD RECEIVED INFORMATION FROM THE ST. CHARLES PARISH EMERGENCY OPERATIONS CENTER (EOC) INDICATING THAT A SMALL RELEASE OF VINYL CYCLO HEXENE MONOXIDE (VCM) HAD OCCURRED AND THAT THE RELEASE HAD BEEN TERMINATED.

THE LICENSEE DECLARED AN UNUSUAL EVENT AS A PRECAUTIONARY MEASURE. THE CONTROL ROOM VENTILATION SYSTEM WAS PLACED IN THE EMERGENCY MODE. NO ILL HEALTH EFFECTS HAVE BEEN OBSERVED ON SITE. THE UNION CARBIDE PLANT IS ABOUT 1 MILE FROM WATERFORD 3. AT THE TIME OF THE RELEASE, THE WIND SPEED WAS 15 MPH FROM THE UNION CARBIDE PLANT TOWARDS WATERFORD 3. WATERFORD'S CONTINGENCY PLANS STATE THAT VCM IS A "SMALL" HAZARD.

THE LICENSEE INTENDS TO TERMINATE THE UE WHEN THE THREAT OF FURTHER RELEASES HAS SUBSIDED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0330 3/13/95 BY WEMETT TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0218 CST WHEN THE EVENT AT THE UNION CARBIDE PLANT WAS DETERMINED TO BE NO LONGER OF CONCERN. THE HOO NOTIFIED THE RDO (VANDENBURGH); EO (VIRGILIO); FEMA (EARL).

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Power Reactor

Event # 28592

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: GINNA                       |           | Notification Date / Time: 03/27/1995 09:55 (EST) |   |
| Unit: 1                           | Region: 1 | State : NY                                       | Event Date / Time: 03/27/1995 09:03 (EST) |
| Reactor Type: [1] W-2-LP          |           | Last Modification: 03/27/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: PETERSON         |           | Notifications: CLIFFORD ANDERSON RDO             |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | BOB DENNIG EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

- UE DECLARED DUE TO LICENSEE EVACUATING THE TURBINE BUILDING -

THE PLANT IS IN MODE 5 (COLD SHUTDOWN) IN A REFUELING OUTAGE.

AT 0835, WHILE PERFORMING COLD MEGGER OPERATION ON THE MAIN GENERATOR, LICENSEE DETECTED VAPOR COMING FROM THE MAIN GENERATOR SEAL AREA.

AT 0850, LICENSEE BEGAN EMERGENCY DEGASSING THE MAIN GENERATOR AND EVACUATED THE TURBINE BUILDING.

AT 0900, LICENSEE VERIFIED THAT THE VAPOR WAS HYDROGEN BUT THAT THE VAPOR MIXTURE WAS NOT FLAMMABLE. THERE WAS NO FLAME IN THE TURBINE BUILDING AND NO PERSONNEL WERE INJURED. LICENSEE IS INVESTIGATING THE CAUSE.

AT 0903, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO EVACUATION OF THE TURBINE BUILDING.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE 14:04 3/27/95 FROM PETERSON TAKEN BY SEBROSKY\*\*\*

FOR CLARIFICATION, THE UNUSUAL EVENT WAS TERMINATED AT THE SAME TIME IT WAS DECLARED. IT WAS TERMINATED AT 9:03 WHEN IT WAS DETERMINED THAT THE CONDITIONS FOR THE EVACUATION NO LONGER EXISTED. PEAK HYDROGEN CONCENTRATION IN THE TURBINE BUILDING WAS 0.54% (SAMPLE TAKEN AT 5 FEET).

HOO NOTIFIED R1DO(LINVILLE), EO(DENNIG), AND FEMA(DIMINCO)

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Power Reactor

Event # 28598

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: POINT BEACH                      |            |           |            | Notification Date / Time: 03/28/1995 08:25 (EST) |            |   |
| Unit: 2                                |            | Region: 3 |            | State : WI                                       |            | Event Date / Time: 03/28/1995 07:09 (CST) |
| Reactor Type: [1] W-2-LP,[2] W-2-LP    |            |           |            | Last Modification: 03/28/1995                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: ANDREONI              |            |           |            | Notifications: MICHAEL J. JORDAN RDO             |            |   |
| HQ Ops Officer: DICK JOLLIFFE          |            |           |            | BOB DENNIG EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT         |            |           |            | BOB CALDWELL FEMA                                |            |   |
| 10 CFR Section:                        |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| TECH SPEC LCO A/S                      |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                      | N          | Yes       | 99         | Power Operation                                  | 95         | Power Operation                           |

- UE DECLARED DUE TO UNIT 2 SHUTDOWN DUE TO 2 OF 2 EDGs INOPERABLE -

WITH UNIT 2 AT 99% POWER, 1 OF 2 EDGs ('A' TRAIN) WAS INOPERABLE FOR NEW EDG TIE-IN WORK. TECH SPEC LCO A/S 15.3.7.B.1.F REQUIRES LICENSEE TO RESTORE THE ONE INOPERABLE EDG TO OPERABLE STATUS WITHIN 7 DAYS OR PLACE UNIT 2 IN AT LEAST HOT SHUTDOWN MODE.

LICENSEE DISCOVERED THAT THE LOSS-OF-VOLTAGE RELAYS FOR BUS #2A06 FOR THE 'B' TRAIN EDG WERE SET AT AN INCORRECT SETTING (2240 VOLTS INSTEAD OF 3220 VOLTS). LICENSEE DECLARED THE 2ND OF 2 EDGs ('B' TRAIN) INOPERABLE. TECH SPEC LCO A/S 15.3.0 REQUIRES LICENSEE TO RESTORE AT LEAST 1 EDG TO OPERABLE STATUS WITHIN 3 HOURS OR TO PLACE UNIT 2 IN AT LEAST HOT SHUTDOWN MODE.

LICENSEE IS RESETTNG THE RELAYS AND IS SHUTTING UNIT 2 DOWN AT 6% PER HOUR AND EXPECTS UNIT 2 TO BE IN HOT SHUTDOWN MODE BY 1000 (CST) IF THE RELAYS ARE NOT RESET PROPERLY WITHIN THE NEXT 3 HOURS.

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN.

LICENSEE NOTIFIED LOCAL OFFICIALS AND WILL NOTIFY STATE OFFICIALS AND THE NRC RESIDENT INSPECTOR.

LICENSEE ISSUED A PRESS RELEASE.

UNIT 1 IS DEFUELED IN A REFUELING OUTAGE AND IS NOT AFFECTED BY THIS EVENT.

\*\*\*UPDATE AT 10:21 FROM SCHROEDER TO GOULD\*\*\* THE LICENSEE TERMINATED THE NOUE AT 08:56 BECAUSE THE LOSS-OF-VOLTAGE RELAYS FOR BUS #2A06 HAVE BEEN RESET TO THE TS VALUES. THE D/G WAS DECLARED FULLY OPERABLE. POWER WAS ONLY REDUCED TO 89% AND HAS NOW

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Power Reactor Event # 28598  
BEEN INCREASED TO 94%. THE RI, STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED.  
REG 3 (JORDAN), EO (DENNIG) AND FEMA NOTIFIED.  
\*\*\*\*\*

Power Reactor

Event # 28612

|  |           |  |   |
|--|-----------|--|---|
| Site: BIG ROCK POINT                   |           | Notification Date / Time: 03/29/1995 21:10 (EST) |   |
| Unit: 1                                | Region: 3 | State : MI                                       | Event Date / Time: 03/29/1995 21:00 (EST) |
| Reactor Type: [1] GE-1                 |           | Last Modification: 03/30/1995                    |   |
| Containment Type:                      |           |  |   |
| NRC Notified by: MICHAEL BOURASSA      |           | Notifications: MICHAEL J. JORDAN RDO             |   |
| HQ Ops Officer: JOSEPH SEBROSKY        |           | LEE SPESSARD EO                                  |   |
| Emergency Class: UNUSUAL EVENT         |           | AL AUSTIN FEMA                                   |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 95         | Power Operation | 95         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A TECHNICAL SPECIFICATION REQUIRED SHUTDOWN.

ON 3/28/95 THE LICENSEE ENTERED A 24 HOUR LCO PER TECHNICAL SPECIFICATION 11.3.1.4.E. THE LICENSEE ENTERED THIS LCO BECAUSE A VALVE IN THE REDUNDANT CORE SPRAY LINE FAILED TO STROKE DURING A 30 DAY SURVEILLANCE TEST. THE TECH SPEC STATES THAT IF THE LINE IS NOT RETURNED TO OPERABLE STATUS WITHIN 24 HOURS THE PLANT MUST BE SHUTDOWN WITHIN THE NEXT 12 HOURS.

THE CORE SPRAY SYSTEM AT BIG ROCK POINT CONSISTS OF TWO FIRE PROTECTION PUMPS (ONE MOTOR-DRIVEN AND ONE DIESEL-DRIVEN) THAT DELIVER WATER FROM THE INTAKE STRUCTURE TO THE REACTOR VESSEL VIA A CORE SPRAY RING OR A REDUNDANT CORE SPRAY NOZZLE. THE VALVE THAT FAILED IS THE OUTBOARD ISOLATION VALVE (MO-7070) IN THE REDUNDANT CORE SPRAY LINE.

THE LICENSEE CONTINUES TO TROUBLESHOOT THE PROBLEM. THE VALVE IS CURRENTLY STROKING PROPERLY, HOWEVER, THE LICENSEE HAS NOT IDENTIFIED A CAUSE FOR THE FAILURE OF THE VALVE TO STROKE ON 3/28/95. THE BASIS FOR TERMINATING THE UNUSUAL EVENT WILL BE WHEN ALL RODS (OR ALL BUT ONE ROD) ARE INSERTED, OR WHEN THE REDUNDANT CORE SPRAY SYSTEM HAS BEEN DECLARED OPERABLE. ALL OTHER ECCS's ARE OPERABLE.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR, AND STATE AND LOCAL OFFICIALS OF THE EVENT.

**\*\* UPDATE DATE/TIME: 3/30/95 @ 0427 EST \*\*\*FROM LICENSEE: SHEA BY: MCGINTY\*\***

THE GENERATOR WAS TAKEN OFF-LINE THROUGH AN ORDERLY SHUTDOWN AT 0413 EST, AND OPERATORS WERE INSERTING RODS TO COMPLETE THE SHUTDOWN AT THE TIME OF THE MORNING STATUS CALL. THE CAUSE OF THE VALVE STROKING PROBLEM HAS YET TO BE DETERMINED. THE LICENSEE ANTICIPATES TERMINATING THE UNUSUAL EVENT LATER THIS MORNING.

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Power Reactor

Event # 28612

\*\*\* UPDATE 1833 3/30/95 FROM MORT TAKEN BY STRANSKY \*\*\*

EXITED UNUSUAL EVENT AT 1821 WHEN UNIT REACHED COLD SHUTDOWN. NOTIFIED R3DO(JORDAN),  
EO(SPESSARD), FEMA(AUSTIN).

\*\*\*\*\*

Power Reactor

Event # 28626

|                                   |            |            |            |  |            |                 |
|-----------------------------------|------------|------------|------------|--|------------|-----------------|
| Site: QUAD CITIES                 |            |            |            | Notification Date / Time: 04/03/1995 10:47 (EDT) |            |                 |
| Unit: 2                           | Region: 3  | State : IL |            | Event Date / Time: 04/03/1995 09:26 (CST)        |            |                 |
| Reactor Type: [1] GE-3,[2] GE-3   |            |            |            | Last Modification: 04/03/1995                    |            |                 |
| Containment Type: MARK I          |            |            |            |  |            |                 |
| NRC Notified by: DOTY             |            |            |            | Notifications: GARDNER RDO                       |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD    |            |            |            | CHAFFEE EO                                       |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |            |            | STINEDURF FEMA                                   |            |                 |
| 10 CFR Section:                   |            |            |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |            |            |  |            |                 |
| Unit                              | Scram Code | RX Crit    | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                 | N          | No         | 0          | Refueling  | 0          | Refueling       |

THE LICENSEE REPORTED THEY TRANSPORTED AN INJURED AND POSSIBLY CONTAMINATED MAN TO THE HOSPITAL.

A WORKER FELL INTO THE TORUS AREA, LANDING ON THE GRATING. HE INJURED HIS BACK AND FRACTURED HIS LEG. HE ALSO MAY BE CONTAMINATED. THEY TRANSPORTED HIM TO TRINITY HOSPITAL BY AMBULANCE ACCOMPANIED BY AN HP. THE RI, STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\* UPDATE AT 1156 ON 4/3/95 BY DOTY TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1030 WHEN THE MAN WAS SURVEYED AT THE HOSPITAL AND FOUND NOT TO BE CONTAMINATED. THE HOO NOTIFIED RDO (GARDNER); EO (CHAFFEE); FEMA (HERSKO)

\*\*\*\*\*

Power Reactor

Event # 28654

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: FERMI                       |            | Notification Date / Time: 04/09/1995 15:35 (EDT) |   |                 |            |                 |
| Unit: 2                           | Region: 3  | State : MI                                       | Event Date / Time: 04/09/1995 15:03 (EDT) |                 |            |                 |
| Reactor Type: [2] GE-4            |            | Last Modification: 04/09/1995                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: PAUL KIEL        |            | Notifications: RONALD GARDNER RDO                |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |            | GARY HOLAHAN EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | CARR FEMA  |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | M/R        | Yes  | 80  | Power Operation | 0          | Hot Shutdown    |

- UE DUE TO WATER INJECTION INTO Rx VESSEL FOLLOWING MANUAL Rx SCRAM -

CONTROL ROOM OPERATORS MANUALLY SCRAMMED THE PLANT FROM 80% POWER IN ORDER TO MONITOR THE VIBRATION LEVELS OF THE MAIN TURBINE DURING COAST DOWN. THIS EVOLUTION WAS A PREPLANNED ACTIVITY PERFORMED IN ACCORDANCE WITH A SPECIAL TEST PROCEDURE. ALL CONTROL RODS INSERTED COMPLETELY. STEAM IS BEING DUMPED TO THE MAIN CONDENSER.

HOWEVER, FOLLOWING THE SCRAM, REACTOR VESSEL WATER LEVEL DROPPED TO LEVEL 2. NORMAL Rx VESSEL WATER LEVEL IS 193 TO 201 INCHES, LEVEL 3 IS 173 INCHES, LEVEL 2 IS 110 INCHES.

AT LEVEL 3, THE PLANT RECEIVED THE FOLLOWING SIGNALS:

ACTUATIONS - Rx SCRAM SIGNAL (Rx ALREADY SCRAMMED),  
 AUTO DEPRESSURIZATION PERMISSIVE SIGNAL,  
 TIP DETECTORS SYSTEM AUTO RETRACTION SIGNAL;

ISOLATIONS - PCIS GROUP 4 - RHR SHUTDOWN COOLING,  
 GROUP 13 - DRYWELL SUMPS,  
 GROUP 15 - TIP SYSTEM (AUTO RETRACTION).

AT LEVEL 2, THE PLANT RECEIVED THE FOLLOWING SIGNALS:

ACTUATIONS - HPCI SYSTEM (DIV 1) (DID NOT INJECT INTO Rx VESSEL),  
 RCIC SYSTEM (DIV 1) (DID INJECT INTO Rx VESSEL),  
 SBT SYSTEM (DIV 1),  
 CONTROL ROOM VENT SYSTEM SHIFTED TO RECIRC MODE (DIV 1 & 2),

## Power Reactor

Event # 28654

Rx BUILDING VENT SYSTEM TRIPPED (DIV 1),  
CONTROL AIR COMPRESSORS STARTED (DIV 1),  
Rx RECIRC PUMPS TRIPPED (DIV 1),  
LPCI LOOP SELECT LOGIC (DIV 1),  
ALTERNATE ROD INSERTION SYSTEM (BACKUP SCRAM SIGNAL) (DIV 2);

ISOLATIONS - PCIS GROUP 2 - Rx WATER SAMPLE SYSTEM (DIV 1),  
GROUP 10 - RWCU SYSTEM (DIV 1),  
GROUP 12 - TORUS WATER MANAGEMENT SYSTEM (DIV 1),  
GROUP 14 - DRYWELL & TORUS VENT SYSTEM (DIV 1),  
GROUP 16 - NITROGEN INERTING SYSTEM (DIV 1),  
GROUP 17 - Rx RECIRC PUMP SEAL VALVES (DIV 1),  
GROUP 18 - PRIMARY CONTAINMENT PNEUMATIC SUPPLY SYSTEM (DIV 1)

AT 1503, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN INJECTION INTO THE Rx VESSEL (RCIC SYSTEM). WATER INJECTION INTO THE Rx VESSEL WAS STOPPED AND Rx VESSEL WATER LEVEL WAS RESTORED TO NORMAL LEVEL WITHIN A FEW MINUTES. NORMAL Rx VESSEL WATER LEVEL IS BEING MAINTAINED WITH THE MAIN FEEDWATER SYSTEM.

THE PLANT IS STABLE IN CONDITION 3 (HOT SHUTDOWN).

LICENSEE IS INVESTIGATING THE CAUSE OF THE Rx VESSEL WATER INJECTION AND THE POST SCRAM PLANT RESPONSE.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1748 BY PAUL KIEL ENTERED BY HOO JOLLIFFE \*\*\*

AT 1702, LICENSEE STARTED THE Rx RECIRC PUMPS AND TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS, THE NRC RESIDENT INSPECTOR, AND THE PROVINCE OF ONTARIO.

HOO NOTIFIED R3DO GARDNER, NRR EO HOLAHAN, FEMA CARR OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

Power Reactor

Event # 28667

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: ROBINSON                    |           | Notification Date / Time: 04/11/1995 23:31 (EDT) |   |
| Unit: 2                           | Region: 2 | State : SC                                       | Event Date / Time: 04/11/1995 23:00 (EDT) |
| Reactor Type: [2] W-3-LP          |           | Last Modification: 04/11/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: GRANT            |           | Notifications: KERRY LANDIS RDO                  |   |
| HQ Ops Officer: TIM McGINTY       |           | BRIAN SHERON EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON REACTOR COOLANT SYSTEM LEAKAGE GREATER THAN 10 gpm. THE UNUSUAL EVENT WAS TERMINATED AT 2333 EDT, BASED ON THE LEAKAGE BEING STOPPED.

THE LICENSEE WAS PERFORMING SURVEILLANCE TEST "OST-254" (ANNUAL OPERATIONAL PRESSURE TEST) ON RHR SYSTEM TRAIN "A". THE LICENSEE OPENED VALVE "HCV-142" (OFF OF CVCS SYSTEM UPSTREAM OF THE NON-REGENERATIVE HEAT EXCHANGER) TO FILL AND PRESSURIZE RHR LOOP "A" AND IMMEDIATELY RECEIVED A VCT "MAKEUP" INDICATION. THE LICENSEE CLOSED "HCV-142" UPON THE INDICATION OF THE LEAKAGE, BUT THIS DID NOT STOP THE LEAKAGE (THE VALVE INDICATES CLOSED). THE LICENSEE THEN MANUALLY SHUT VALVE "CVC-205B" (IMMEDIATELY UPSTREAM OF "HCV-142"), WHICH ISOLATED THE LEAK. THE LICENSEE IS INVESTIGATING WHERE THE LEAKAGE WENT TO, HOWEVER, AT THIS TIME THEY BELIEVE THE WATER WENT TO THE RWST (RWST LEVEL INCREASED 0.1%).

RHR TRAIN "A" WAS AT ATMOSPHERIC PRESSURE WHEN THE VALVE WAS OPENED TO FILL AND PRESSURIZE THE SYSTEM, WHICH WAS TO BE OPERATIONALLY TESTED AT ABOUT 350 psig. THE LICENSEE HAD PREVIOUSLY REMOVED RHR TRAIN "A" FROM SERVICE FOR THE PERFORMANCE OF THE TEST, HAVING ENTERED A 24 HOUR LCO (RHR TRAIN "A" REMAINS OUT OF SERVICE FOR THE INVESTIGATION). ALL OTHER ECCS's AND EDG's ARE OPERABLE, INCLUDING RHR TRAIN "B".

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2333 EDT, BASED ON THE LEAKAGE BEING STOPPED. THE UNIT REMAINS AT 100% POWER, AND THE LICENSEE WILL BE INVESTIGATING THE CAUSE OF THE LEAKAGE. THE LICENSEE INFORMED THE RESIDENT INSPECTOR, AND STATE AND LOCAL AUTHORITIES OF THE UNUSUAL EVENT.

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Power Reactor

Event # 28681

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: CALVERT CLIFFS                                 |            |           |            | Notification Date / Time: 04/14/1995 05:44 (EDT) |            |   |
| Unit: 2  |            | Region: 1 |            | State : MD                                       |            | Event Date / Time: 04/14/1995 05:10 (EDT) |
| Reactor Type: [1] CE,[2] CE                          |            |           |            | Last Modification: 04/14/1995                    |            |   |
| Containment Type: DRY AMB                            |            |           |            |  |            |   |
| NRC Notified by: BLESS                               |            |           |            | Notifications: JOHN WHITE                        |            | RDO                                       |
| HQ Ops Officer: DOUG WEAVER                          |            |           |            | BRIAN SHERON                                     |            | EO  |
| Emergency Class: UNUSUAL EVENT                       |            |           |            | AUSTIN   |            | FEMA                                      |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | No        | 0          | Refueling  | 0          | Refueling                                 |

## UNUSUAL EVENT DECLARED - FIRE IN THE AUX BUILDING VENTILATION SYSTEM

A FIRE WAS REPORTED IN THE AUXILIARY BUILDING VENTILATION SYSTEM AT 0510. THE FIRE WAS ATTACKED IMMEDIATELY WITH PORTABLE CO2 EXTINGUISHERS. SEVERAL MINUTES LATER A FIRE HOSE WAS BROUGHT TO THE SCENE AND THE FIRE WAS DECLARED OUT AT 0529. THE UNUSUAL EVENT WAS DECLARED AT 0528.

THE FIRE WAS CAUSED BY WELDING IN THE TURBINE BUILDING ON THE 12' LEVEL. THE FIRE WAS IN AN EXPANSION JOINT OF THE AUX BUILDING VENTILATION SYSTEM ON THE 5' LEVEL. THIS PART OF THE VENTILATION SYSTEM IS AT THE BOUNDARY OF THE TURBINE BUILDING AND THE AUX BUILDING. THE FIRE WAS OVERHAULED AT 0544 AND THE UNUSUAL EVENT WAS TERMINATED AT 0555.

THE LICENSEE NOTIFIED THE THREE SURROUNDING COUNTIES AND THE MARYLAND STATE POLICE. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\*\*\*

Power Reactor

Event # 28740

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BRAIDWOOD                     |            |           |            | Notification Date / Time: 04/29/1995 19:14 (EDT) |            |   |
| Unit: 2                             |            | Region: 3 |            | State : IL                                       |            | Event Date / Time: 04/29/1995 17:24 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 04/30/1995                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: DENNIS HIGINBOTHAM |            |           |            | Notifications: ROGER LANKSBURY RDO               |            |   |
| HQ Ops Officer: LEIGH TROCINE       |            |           |            | BRIAN GRIMES EO                                  |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | GENE KANUPP FEMA                                 |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| TECH SPEC LCO A/S                   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

UNUSUAL EVENT DUE TO RCS LEAKAGE GREATER THAN TECHNICAL SPECIFICATION LIMITS.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO RCS LEAKAGE BEING APPROXIMATELY 25 GPM WHICH IS GREATER THAN THE LICENSEE'S 10 GPM TECHNICAL SPECIFICATION LIMIT FOR RCS LEAKAGE. THE LICENSEE SUSPECTS THAT A CONTAINMENT VALVE LEAK-OFF LINE TO THE PRESSURIZER RELIEF TANK (PRT) IS THE SOURCE OF THE LEAKAGE AND THAT THE VALVE SEAL MAY HAVE FAILED.

THE LICENSEE IS CURRENTLY CONDUCTING AN INVESTIGATION TO DETERMINE WHICH VALVE IS LEAKING AND HAS MADE A CONTAINMENT ENTRY WITH THE UNIT AT RATED POWER TO TRY TO IDENTIFY THE VALVE SEAL THAT HAS FAILED CAUSING THIS LEAK-OFF LINE TO CARRY THE 25 GPM TO THE PRESSURIZER RELIEF TANK. THE LICENSEE ALSO COMMENCED A LOAD REDUCTION AT 18:19 (CDT) AND PLANS TO REDUCE REACTOR POWER TO 40% AND MAKE ANOTHER CONTAINMENT ENTRY. IF IT IS NOT FEASIBLE TO ISOLATE THIS LEAK-OFF AT THAT TIME, THE LICENSEE INTENDS TO TAKE THE UNIT OFF LINE IN ORDER TO FACILITATE THE NECESSARY REPAIRS.

THE ONLY OTHER UNUSUAL CIRCUMSTANCE DURING THIS EVENT IS THAT ONE OF THE LETDOWN ISOLATION VALVES (2-CV-460) DID NOT CLOSE WHEN AN OPERATOR ATTEMPTED TO CLOSE IT FROM THE MAIN CONTROL BOARD. THIS VALVE IS LOCATED INSIDE CONTAINMENT AND IS NOT REQUIRED FOR CONTAINMENT ISOLATION.

NO RADIATION MONITOR ACTIVITY HAS BEEN IDENTIFIED AS A RESULT OF THIS EVENT. ALL LEAKAGE HAS BEEN CONTAINED WITHIN PIPING AND TANKS.

THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR AND THE STATE BUT DOES NOT PLAN ON MAKING A PRESS RELEASE.

\*UPDATE DATE/TIME:4/30/95 @ 0452 EST \*FROM LICENSEE:YURKOVICH BY:McGINTY\*

Power Reactor

Event # 28740

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0300 CDT WHEN THE SOURCE OF THE LEAKAGE TO THE PRT WAS ISOLATED. THE UNIT IS CURRENTLY STABLE AT NOP/NOT. THE SOURCE OF THE LEAKAGE WAS DETERMINED TO BE TWO LOOP STOP BYPASS VALVES (2RC8003A AND 2RC8003B), AND THE LEAKAGE TO THE PRT WAS STOPPED BY BACKSEATING THE VALVES. THE VALVES WERE INSTALLED WITH THE INTENDED FUNCTION OF BEING ABLE TO HEAT UP AN ISOLATED LOOP, AND ARE NORMALLY CLOSED AND DE-ENERGIZED. OPENING AND BACKSEATING THE VALVES ISOLATES THE PACKING GLAND LEAK-OFF TO THE PRT FOR THESE VALVES.

THE LICENSEE INTENDS TO COOL DOWN SOME AND REDUCE PRESSURE TO ABOUT 360 psig TO PERFORM REPAIRS. THE ESTIMATED RESTART DATE IS 5/3/95. THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND THE STATE. HOO NOTIFIED THE R3DO (LANKSBURY), THE NRR EO (GRIMES) AND FEMA (CALDWELL).

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Power Reactor

Event # 28832

|  |           |  |   |
|--|-----------|--|---|
| Site: COOK                             |           | Notification Date / Time: 05/19/1995 11:38 (EDT) |   |
| Unit: 1 2                              | Region: 3 | State : MI                                       | Event Date / Time: 05/19/1995 11:15 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 05/19/1995                    |   |
| Containment Type: ICE COND ICE COND    |           |  |   |
| NRC Notified by: ROGER WEST            |           | Notifications: ROGER LANKSBURY RDO               |   |
| HQ Ops Officer: LEIGH TROCINE          |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | CHARLIE SHULL FEMA                               |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AND TECHNICAL SPECIFICATION SHUTDOWN COMMENCED DUE TO A FAILURE TO MEET A SURVEILLANCE REQUIREMENT.

DURING A REVIEW OF PAST IN-SERVICE INSPECTION EXAMINATIONS, THE LICENSEE DETERMINED THAT THE ULTRASONIC EXAMINATION TECHNIQUE USED TO INSPECT REACTOR COOLANT SYSTEM BRANCH CONNECTION WELDS WAS INADEQUATE TO MEET ASME CODE SECTION XI REQUIREMENTS. THE LICENSEE ALSO DETERMINED THAT THE SURVEILLANCE REQUIREMENTS OF TECHNICAL SPECIFICATION 4.0.5 HAD NOT BEEN SATISFIED AND THAT THE ECCS SYSTEMS ASSOCIATED WITH THE AFFECTED WELDS WERE INOPERABLE. BASED ON THE INOPERABILITY OF THE ECCS SYSTEMS (BOTH TRAINS FOR BOTH UNITS), BOTH UNITS ENTERED TECHNICAL SPECIFICATION 3.0.3 AT 10:25, AND POWER REDUCTIONS FOR UNITS 1 AND 2 WERE COMMENCED AT 11:18 AND 11:15, RESPECTIVELY. THERE WERE NO INDICATIONS OF ANY PHYSICAL PROBLEMS WITH THE WELDS.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, THE STATE, AND THE COUNTY. AT THE TIME OF THE LICENSEE'S NOTIFICATION, THE LICENSEE WAS UNSURE OF WHETHER OR NOT A PRESS RELEASE WOULD BE MADE.

**\*\* UPDATE DATE: 5/19/95 @ 1341 \*FROM LICENSEE: WEST BY: McGINTY \*\***

THE LICENSEE TERMINATED THE UNUSUAL EVENT AND EXITED T/S 3.0.3 AT 1310 EDT. SUBSEQUENT REVIEW REVEALED THAT THE DETERMINATION TO ENTER T/S 3.0.3 WAS OVERLY CONSERVATIVE. OTHER MEANS EXIST TO RESOLVE THE NON-CONFORMANCE.

THE LICENSEE WILL BE SUBMITTING A CODE RELIEF REQUEST EARLY NEXT WEEK. THE POWER DECREASE WAS STOPPED AT 97.5% FOR UNIT 1, AND 98% FOR UNIT 2. THE UNIT'S ARE NOT IN ANY SIGNIFICANT T/S ACTION STATEMENTS AT THIS TIME, AND THE ECCS SYSTEMS FOR BOTH UNITS ARE OPERABLE. THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES, AND WILL NOT BE ISSUING A PRESS RELEASE. HOO NOTIFIED THE R3DO (LANKSBURY), EO (CHAFFEE) AND FEMA (SHULL).

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Power Reactor

Event #

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Power Reactor

Event # 28863

|                                     |                      |  |  |
|-------------------------------------|----------------------|--|--|
| Site: SEQUOYAH                      |                      | Notification Date / Time: 05/29/1995 14:55 (EDT) |  |
| Unit: 1 2                           | Region: 2 State : TN | Event Date / Time: 05/29/1995 14:20 (EDT)        |  |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                      | Last Modification: 05/29/1995                    |  |
| Containment Type: ICE COND ICE COND |                      |  |  |
| NRC Notified by: NORMAN THOMAS      |                      | Notifications: THOMAS PEEBLES RDO                |  |
| HQ Ops Officer: DICK JOLLIFFE       |                      | BRUCE BOGER EO                                   |  |
| Emergency Class: UNUSUAL EVENT      |                      | WITSBERGER FEMA                                  |  |
| 10 CFR Section:                     |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |                      |  |  |
| 50.72(b)(1)(iii) FIRE (OFFSITE)     |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 99         | Power Operation | 99         | Power Operation |

-UNUSUAL EVENT DECLARED DUE TO OFFSITE FIRE LASTING LONGER THAN 10 MINUTES-  
 AT 1409, CONTROL ROOM OPERATORS WERE NOTIFIED THAT FIRE AND SMOKE WERE COMING FROM THE ROOF OF A STORAGE BUILDING THAT CONTAINED LICENSEE SECURITY GUARD SMALL FIREARMS AND AMMUNITION. THE 15 FEET X 30 FEET METAL BUILDING IS LOCATED OUTSIDE THE PLANT PROTECTED AREA FENCE. A PROPANE STORAGE TANK IS LOCATED ADJACENT TO THE BUILDING.

LICENSEE CALLED THE SODDY DAISY OFFSITE FIRE DEPARTMENT.

AT 1420, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN OFFSITE FIRE LASTING LONGER THAN 10 MINUTES.

AT 1436, THE FIRE WAS DECLARED EXTINGUISHED.

LICENSEE IS INVESTIGATING THE EXTENT OF THE DAMAGE AND CAUSE OF THE FIRE.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1524 BY NORMAN THOMAS ENTERED BY HOO DICK JOLLIFFE \*\*\*

AT 1510, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO THE FIRE BEING EXTINGUISHED.

THE FIRE WAS LIMITED TO THE TOP OF THE ROOF AND DID NOT REACH INTO THE INSIDE OF THE BUILDING. THE ROOF HAS COLLAPSED AND THE BUILDING IS A TOTAL LOSS. THERE WERE NO PERSONNEL INJURIES AND NO EXPLOSIONS. LICENSEE HAS ROPED OFF THE BUILDING AND POSTED A SECURITY GUARD AT THE BUILDING.

THIS EVENT HAD NO EFFECT ON UNIT 1 OR UNIT 2. LICENSEE IS CONTINUING TO INVESTIGATE THE

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

Page 2

Power Reactor  
CAUSE OF THE FIRE.

Event # 28863

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR  
OF THE TERMINATION OF THE UNUSUAL EVENT.

LICENSEE PLANS TO ISSUE A PRESS RELEASE.

HOO NOTIFIED R2DO TOM PEEBLES, NRR EO BRUCE BOGER, FEMA WITSBERGER OF THE  
TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

Power Reactor

Event # 28864

|   |            |           |            |  |            |   |
|---|------------|-----------|------------|--|------------|---|
| Site: THREE MILE ISLAND                 |            |           |            | Notification Date / Time: 05/29/1995 16:50 (EDT) |            |   |
| Unit: 1                                 |            | Region: 1 |            | State : PA                                       |            | Event Date / Time: 05/29/1995 16:33 (EDT) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP |            |           |            | Last Modification: 05/29/1995                    |            |   |
| Containment Type: DRY AMB               |            |           |            |  |            |   |
| NRC Notified by: REESE                  |            |           |            | Notifications: LARRY NICHOLSON RDO               |            |   |
| HQ Ops Officer: DICK JOLLIFFE           |            |           |            | BRUCE BOGER EO                                   |            |   |
| Emergency Class: UNUSUAL EVENT          |            |           |            | SIMMERS FEMA                                     |            |   |
| 10 CFR Section:                         |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |            |           |            |  |            |   |
| 50.72(b)(1)(iii) TORNADO                |            |           |            |  |            |   |
| Unit                                    | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                       | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

- UNUSUAL EVENT DUE TO TORNADO WARNING DECLARED IN PLANT VICINITY -

AT 1633, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TORNADO WARNING DECLARED FOR DAUPHIN COUNTY, THE COUNTY IN WHICH THREE MILE ISLAND IS LOCATED. IT IS PRESENTLY RAINING IN THE VICINITY OF THE PLANT BUT NO TORNADOS HAVE BEEN SIGHTED.

LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1812 BY REESE ENTERED BY HOO DICK JOLLIFFE \*\*\*

AT 1800, THE TORNADO WARNING WAS CANCELED AND LICENSEE TERMINATED THE UNUSUAL EVENT. NO TORNADOS WERE OBSERVED IN THE VICINITY OF THE PLANT.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R1DO LARRY NICHOLSON, NRR EO BRUCE BOGER, AND FEMA AUSTIN OF THE TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 28866

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: FITZPATRICK                      |            | Notification Date / Time: 05/30/1995 12:20 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 1  | State : NY                                       | Event Date / Time: 05/30/1995 12:00 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4                 |            | Last Modification: 05/31/1995                    |   |                 |            |                 |
| Containment Type: MARK I               |            |  |   |                 |            |                 |
| NRC Notified by: SLIWA / RASPLEY       |            | Notifications: MOHAMED SHANBAKY RDO              |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE          |            | ED GOODWIN EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 16  | Power Operation | 16         | Power Operation |

-UE DUE TO TS REQUIRED PLANT SHUTDOWN DUE TO UNIDENTIFIED LEAK > TS LIMIT-

LICENSEE HAS MEASURED A 2.9 GPM UNIDENTIFIED WATER LEAK RATE INCREASE IN THE DRYWELL OVER A 24-HOUR PERIOD.

TECH SPEC LCO A/S 3.6.D.1.b REQUIRES THE LICENSEE TO REDUCE THE UNIDENTIFIED LEAK RATE TO LESS THAN A TWO GPM INCREASE IN A 24-HOUR PERIOD WITHIN FOUR HOURS OR PLACE THE PLANT IN AT LEAST HOT SHUTDOWN CONDITION WITHIN THE NEXT 12 HOURS AND COLD SHUTDOWN CONDITION WITHIN THE FOLLOWING 24 HOURS.

LICENSEE BEGAN SHUTTING THE PLANT DOWN FROM 100% POWER AND WAS AT 16% POWER AND DECREASING AT THE TIME OF THE CALL TO THE NRC OPERATIONS CENTER.

AT 1200, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE FROM SULLIVAN RECEIVED BY TROCINE AT 03:03 ON MAY 31, 1995 \*\*\*

UNIT 1 ENTERED COLD SHUTDOWN AT 02:47 AND THE UNUSUAL EVENT WAS TERMINATED AT 02:50 ON 05/31/95. THE LICENSEE IDENTIFIED A PACKING LEAK ON A 3/4 INCH MANUAL VALVE OFF OF THE 'B' RECIRCULATION SUCTION VALVE. (THIS MANUAL VALVE IS USED FOR CHEMICAL DECONNING.) ESTIMATED RESTART DATE IS 06/01/95.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, STATE & LOCAL OFFICIALS, AND THE MEDIA. HOO NOTIFIED R1DO SHANBAKY, NRR EO ADENSAM, & FEMA SHULL.

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Power Reactor

Event # 28878

|  |            |         |            |  |            |                 |
|--|------------|---------|------------|--|------------|-----------------|
| Site: MILLSTONE                          |            |         |            | Notification Date / Time: 06/02/1995 04:41 (EDT) |            |                 |
| Unit: 3 Region: 1 State : CT             |            |         |            | Event Date / Time: 06/02/1995 04:25 (EDT)        |            |                 |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |         |            | Last Modification: 06/02/1995                    |            |                 |
| Containment Type: DRY SUB                |            |         |            |  |            |                 |
| NRC Notified by: ENOCH                   |            |         |            | Notifications: MOHAMED SHANBAKY RDO              |            |                 |
| HQ Ops Officer: TIM McGINTY              |            |         |            | ELINOR ADENSAM EO                                |            |                 |
| Emergency Class: UNUSUAL EVENT           |            |         |            | WRIGHT FEMA                                      |            |                 |
| 10 CFR Section:                          |            |         |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |         |            |  |            |                 |
| Unit                                     | Scram Code | RX Crit | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 3  | N          | No      | 0          | Hot Standby                                      | 0          | Hot Standby     |

UE DECLARED AND TERMINATED DUE TO THE OCCURRENCE OF A FIRE IN CONTAINMENT ON THE PREVIOUS DAY.

THE LICENSEE HAS IDENTIFIED THE OCCURRENCE OF AN UNUSUAL EVENT AT ABOUT NOON ON 6/1/95. THE LICENSEE DECLARED AND TERMINATED THE UNUSUAL EVENT AT 0425 EDT ON 6/2/95 DUE TO THE INDICATION THAT A FIRE HAD OCCURRED IN CONTAINMENT THE PREVIOUS DAY. THE FIRE WAS ON THE INSULATION OF RCS PIPING (THE CROSS-UNDER PIPE FOR THE "A" RCS LOOP).

AT 1147 EDT ON 6/1/95, A FIRE DETECTION ALARM OCCURRED IN CONTAINMENT. UPON INVESTIGATION, THE LICENSEE HAS FOUND EVIDENCE OF SOME SMOLDERING AND SMOKE IN CONTAINMENT. THE LICENSEE IS IN THE PROCESS OF A HEATUP, AND SPECULATED THAT OIL ON THE INSULATION OF THE RCS PIPING MAY HAVE BEEN THE CAUSE. THE TOTAL DURATION OF THE FIRE IS UNKNOWN. THE FIRE SELF-EXTINGUISHED. THE FIRE DETECTOR ALARM LASTED FOR 15 MINUTES. THE EMERGENCY PLAN SPECIFIES THE DECLARATION OF AN UNUSUAL EVENT FOR A FIRE LASTING LONGER THAN 10 MINUTES IN THIS LOCATION.

THE LICENSEE MADE AN INITIAL CONTAINMENT ENTRY ON 6/1/95 AFTER RECEIVING THE ALARM. CONTAINMENT ATMOSPHERIC CONDITIONS ASSOCIATED WITH THE HEAT-UP MADE IT DIFFICULT TO ASCERTAIN IF A FIRE HAD OCCURRED, AND NO SPECIFIC EVIDENCE OF A FIRE WAS FOUND DURING THAT ENTRY. ANOTHER CONTAINMENT ENTRY THIS MORNING (6/2/95) FOUND THE EVIDENCE OF SMOKE AND SMOLDERING ON THE RCS PIPING INSULATION. THE LICENSEE IS EVALUATING INSULATION DAMAGE AND IF THERE IS ANY POTENTIAL PIPING DAMAGE. THE LICENSEE HAS INFORMED STATE AND LOCAL AUTHORITIES, AND WILL NOTIFY THE RESIDENT INSPECTOR.

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Power Reactor

Event # 28892

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CRYSTAL RIVER               |           | Notification Date / Time: 06/04/1995 13:12 (EDT) |   |
| Unit: 3                           | Region: 2 | State : FL                                       | Event Date / Time: 06/04/1995 11:00 (EDT) |
| Reactor Type: [3] B&W-L-LP        |           | Last Modification: 06/05/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: RICKY RAWLS      |           | Notifications: DOUGLAS COLLINS RDO               |   |
| HQ Ops Officer: JOSEPH SEBROSKY   |           | ELINOR ADENSAM EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | BERNIE WITSBERGER FEMA                           |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A HURRICANE WARNING BEING POSTED FOR THE AREA.

AT 11:00 AM 6/4/95 A HURRICANE WARNING WAS POSTED FOR THE FLORIDA GULF COAST FROM ANCLOTE KEY (NEAR TAMPA) TO PENSACOLA FLORIDA. THE AREA OF THE WARNING ENCOMPASSES THE CRYSTAL RIVER UNIT. THE LICENSEE HAS ENTERED THEIR EMERGENCY PLAN FOR VIOLENT WEATHER, AND HAS STARTED TO STATION PERSONNEL, AND PERFORM WALK DOWNS OF THE PLANT TO MAKE SURE IT IS PREPARED FOR THE HURRICANE. THE LICENSEE, FOR THE TIME BEING, PLANS TO KEEP THE UNIT AT 100% POWER, AND WILL MONITOR THE HURRICANE.

THE BASIS FOR EXITING THE UNUSUAL EVENT WILL BE WHEN THE HURRICANE WARNING IS NO LONGER POSTED FOR THE AREA. (THE CRITERIA FOR AN ALERT IS 110 MILE PER HOUR SUSTAINED WINDS AT THE SITE, AND A SITE AREA EMERGENCY WOULD BE DECLARED IF THERE WERE 110 MILE AN HOUR SUSTAINED WINDS AT THE SITE WITH THE UNIT NOT IN AT LEAST A HOT STANDBY CONDITION.)

THE LICENSEE HAS NOTIFIED THE RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS PER THEIR EMERGENCY PLAN.

\*\*\* UPDATE 06/05/95 1208EDT FROM:KELLY BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1132EDT WHEN THE HURRICANE WARNING WAS TERMINATED. THE FLORIDA DEPARTMENT OF HEALTH AND REHABILITATION SERVICES AND CITRUS & LEVY COUNTY WERE NOTIFIED. R2DO(COLLINS), NRR EO(DENNIG), AND FEMA(WITSBERGER) NOTIFIED.

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Research Reactor

Event # 28898

|   |  |   |      |
|---|--|---|------|
| <b>Facility:</b> IOWA STATE UNIVERSITY                      |  | <b>Notification Date / Time:</b> 06/05/1995 18:58 (EDT) |      |
| <b>Licensee:</b> U. S. DEPT. OF ENERGY                      |  | <b>Event Date / Time:</b> 06/05/1995 17:45 (CDT)        |      |
| <b>Fac Type:</b> 10 KW UTR-10 (ARGONAUT)                    |  | <b>Last Modification:</b> 06/05/1995                    |      |
| <b>Region:</b> 3  |  | <b>Docket #:</b> 05000116                               |      |
| <b>City:</b> AMES   |  | <b>Agreement State:</b> Yes                             |      |
| <b>County:</b> STORY  |  | <b>License #:</b> R-59                                  |      |
| <b>State:</b> IA  |  |   |      |
| <b>NRC Notified by:</b> JOHN ADAMS                          |  | <b>Notifications:</b> GARY SHEAR                        | RDO  |
| <b>HQ Ops Officer:</b> TIM McGINTY                          |  | ELINOR ADENSAM  | EO   |
| <b>Emergency Class:</b> UNUSUAL EVENT                       |  | BAGWELL   | FEMA |
| <b>10 CFR Section:</b><br>50.72(a)(1)(i) EMERGENCY DECLARED |  |   |      |

UE DECLARED AT IOWA STATE UNIVERSITY BASED ON A TORNADO SIGHTING IN THE AMES, IOWA, AREA.

THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON A TORNADO SIGHTING IN THE AMES, IOWA, AREA. THE TORNADO WAS INITIALLY SIGHTED ABOUT 3 MILES FROM THE FACILITY. THE REACTOR AT THE IOWA STATE UNIVERSITY IS SHUTDOWN. THE TORNADO IS REPORTED TO BE MOVING OFF TO THE NORTH-EAST. AT THE TIME OF THE CALL, THE MOST RECENT REPORT PUT THE TORNADO AT MILE MARKER 116 IN THE VICINITY OF I-135 (ABOUT 5 MILES NE OF THE FACILITY). THE TORNADO IS REPORTED TO BE WEAK IN NATURE, AND THERE HAVE BEEN NO REPORTS OF DAMAGES. THE LICENSEE WILL BE TERMINATING THE UNUSUAL EVENT WHEN THE "ALL-CLEAR" FOR THE AMES AREA IS SOUNDED.

\*\*\* UPDATE ON 6/5/95 @ 1928 EDT \*\*\*FROM LICENSEE: ADAMS BY: McGINTY \*\*\*  
THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1827 CDT, BASED ON THE "ALL-CLEAR" BEING GIVEN FOR THE AMES AREA, AND AFTER CONFIRMATION WITH THE LOCAL POLICE DEPARTMENT. THERE WERE NO REPORTS OF ANY DAMAGES. HOO NOTIFIED THE R3DO (SHEAR), NRR EO (ADENSAM), NRR PM (MICHAELS) AND FEMA (BAGWELL).

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Power Reactor

Event # 28923

|                                |                    |  |   |
|--------------------------------|--------------------|--|---|
| Site: WATERFORD                |                    | Notification Date / Time: 06/10/1995 11:37 (EDT) |   |
| Unit: 3                        | Region: 4          | State : LA                                       | Event Date / Time: 06/10/1995 09:45 (CDT) |
| Reactor Type: [3] CE           |                    | Last Modification: 06/10/1995                    |   |
| Containment Type: DRY AMB      |                    |  |   |
| NRC Notified by: WELCH         |                    | Notifications: HOWELL                            | RDO                                       |
| HQ Ops Officer: GREG SCARFO    |                    | ZWOLINKSI  | EO  |
| Emergency Class: UNUSUAL EVENT |                    | BAGWELL  | FEMA                                      |
| 10 CFR Section:                |                    | JORDAN   | AEOD                                      |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED | CALLEN   | RAIV                                      |
| 50.72(b)(2)(ii)                | RPS ACTUATION      | VANDENBURG                                       | RIV                                       |
| 50.72(b)(2)(ii)                | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

AT 0945CDT, AN NOUE WAS DECLARED DUE TO A FIRE IN A TURBINE SWITCHGEAR CABINET WHICH RESULTED IN A REACTOR TRIP, TURBINE TRIP, AND PARTIAL LOSS OF OFFSITE POWER. THE FIRE IS ONGOING AND A PLANT COOLDOWN IS COMMENCING.

AT 0945CDT, AN NOUE WAS DECLARED DUE TO A FIRE IN A TURBINE SWITCHGEAR CABINET WHICH LASTED GREATER THAN TEN MINUTES AND THE REQUEST FOR ASSISTANCE TO FIGHT THE FIRE FROM OFFSITE. THE FIRE WAS DISCOVERED AT 0857CDT, CONCURRENT WITH THE REACTOR TRIP. THE FIRE RESULTED IN A LOSS OF POWER TO 6.9KV NON-SAFETY BUS "A1", ONE OF TWO OFFSITE POWER SOURCES. ALSO, 4.16KV NON-SAFETY BUS "A2" WAS DE-ENERGIZED. THE LOSS OF THESE BUSES RESULTED IN A LOSS OF REACTOR COOLANT PUMPS (RCPs) "1A" AND "2A" ON LOW VOLTAGE. COINCIDENTALLY, A HIGH-THRUST BEARING TEMPERATURE CONDITION CAUSED RCP "2B" TO TRIP JUST PRIOR TO THE EVENT. RCP "1B" REMAINS IN SERVICE. AN AUTOMATIC REACTOR TRIP ON LOSS OF RCPs (WITH TURBINE TRIP) OCCURRED AND EMERGENCY DIESEL GENERATOR (EDG) "A" ACTUATED ON THE UNDERVOLTAGE CONDITION TO THE "A" SAFEGUARDS BUS. EDG "A" LOADED ALL LOADS EXCEPT THE AUXILIARY COMPONENT COOLING WATER PUMP "A", WHICH WAS THEN MANUALLY ACTUATED. ALL RODS FULLY INSERTED ON THE REACTOR TRIP. THE EMERGENCY FEEDWATER (EFW) SYSTEM ACTUATED ON LOW STEAM GENERATOR (SG) LEVEL (5% NARROW RANGE) AS EXPECTED. EFW WAS UTILIZED TO RECOVER INVENTORY IN THE SGs AND STABILIZE THE HEAT SINK. NO PRIMARY OR SECONDARY SAFETY VALVES OR RELIEF VALVES LIFTED DURING THE TRIP. NO OTHER ESF ACTUATIONS OCCURRED.

THE FIRE WAS EXTINGUISHED AT 1113CDT. THE CAUSE OF THE FIRE IS BELIEVED TO BE A GRID DISTURBANCE WHICH RESULTED IN A SHORT-CIRCUIT IN THE BUS "A2" SWITCHGEAR AND IGNITED THE ASSOCIATED INSULATION. THE FIRE BURNED FOR APPROXIMATELY TWO HOURS BEFORE THE FIRE BRIGADE AND OFFSITE FIRE RESOURCES COULD ACCESS THE SWITCHGEAR CABINET AND EXTINGUISH IT. WHILE FIRE DETECTION EQUIPMENT WAS AVAILABLE, NO FIRE SUPPRESSION EQUIPMENT IS LOCATED IN THAT PORTION OF THE TURBINE BUILDING.

Power Reactor

Event # 28923

WHILE ATTEMPTING TO STABILIZE TEMPERATURE ON THE PRIMARY SIDE PER EMERGENCY OPERATIONS PROCEDURES (WITH ONE RCP IN SERVICE), GLAND SEAL STEAM SUPPLY WAS ISOLATED AND CONDENSER VACUUM WAS BROKEN. ATMOSPHERIC DUMP VALVES (ADV's) WERE THEN PLACED INTO SERVICE FOR DECAY HEAT REMOVAL. IT IS ANTICIPATED THAT ADV's WILL BE UTILIZED FOR COOLDOWN TO COLD SHUTDOWN (12 HOURS). NO SECONDARY-SIDE INVENTORY PROBLEM IS EXPECTED.

CURRENTLY, THE UNIT IS STABLE IN HOT STANDBY. OFFSITE POWER IS AVAILABLE AND SUPPLYING "B" TRAIN EQUIPMENT AND EDG "A" IS SUPPLYING "A" TRAIN EQUIPMENT. EDG "B" IS OPERABLE AND AVAILABLE. ALL ECCS SYSTEMS ARE OPERABLE. AN ASSESSMENT OF FIRE DAMAGE IS BEING CONDUCTED AT THIS TIME. IT IS BELIEVED THAT IT WILL TAKE SEVERAL DAYS TO RE-ESTABLISH OFFSITE POWER TO "A" TRAIN EQUIPMENT. THE UNIT WILL COMMENCE A COOLDOWN SHORTLY. FIRE BRIGADES REMAIN POSTED IN THE TURBINE BUILDING FOR REFLASH CONCERNS. THE GRID IS STABLE AT THIS TIME, HOWEVER, AFTERNOON THUNDERSTORMS ARE COMMON IN THAT AREA OF LOUISIANA.

THE LICENSEE HAS ACTIVATED THEIR TECHNICAL SUPPORT CENTER. REGION IV HAS ACTIVATED THE INCIDENT RESPONSE CENTER (IRC) AND ENTERED THE MONITORING PHASE OF NORMAL MODE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND HE IS IN THE CONTROL ROOM AT THIS TIME. AN AUGMENTED INSPECTION TEAM (AIT) WILL BE SENT TO THE SITE ON MONDAY.

\*\*\* COMMISSIONERS ASSISTANTS' BRIEFING AT 1500EDT \*\*\*

BRIEFER: VANDENBURG/CALLAN

PARTICIPANTS: BROCKMAN(AEOD) HOLAHAN(AEOD) HOGAN(RCT)  
MITCHELL(EDO) CHAFFEE(NRR-EO) MADDEN(CA)  
WINSBERG(JACKSON) SORENSEN(ROGERS) MCCONNEL(SELIN)  
JENSEN(de Planque) ZIMMERMAN(NRR) ZWOLINSKI(NRR)  
GRIMES(NRR) SINGH(NRR) HANNON(NRR)

\*\*\* UPDATE 1815EDT FROM:VANDENBURG BY:SCARFO \*\*\*

THE NOUE WAS TERMINATED AT 1352CDT AFTER THE FIRE WAS EXTINGUISHED AND PLANT COOLDOWN INITIATED. REGION IV EXITED THE MONITORING PHASE OF NORMAL MODE AND SECURED THE IRC. R4DO(HOWELL), EO(ZWOLINSKI), FEMA(STEINEDURF) NOTIFIED.

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Power Reactor

Event # 28997

|  |           |  |   |
|--|-----------|--|---|
| Site: MCGUIRE                          |           | Notification Date / Time: 06/28/1995 14:07 (EDT) |   |
| Unit: 1 2                              | Region: 2 | State : NC                                       | Event Date / Time: 06/28/1995 13:50 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP    |           | Last Modification: 07/01/1995                    |   |
| Containment Type: ICE COND ICE COND    |           |  |   |
| NRC Notified by: DENNIS MCCORKEL       |           | Notifications: BRUNO URYC RDO                    |   |
| HQ Ops Officer: DOUG WEAVER            |           | BOB DENNIG EO                                    |   |
| Emergency Class: UNUSUAL EVENT         |           | JOHN DAMICO FEMA                                 |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# UNUSUAL EVENT - ALL SITE EMERGENCY DIESEL GENERATORS DECLARED INOPERABLE

ALL SITE EMERGENCY DIESEL GENERATORS (EDG) WERE DECLARED INOPERABLE BASED ON A DESIGN FLAW IN THEIR TURBOCHARGERS. EACH UNIT HAS TWO EDGs. THE '2B' EDG IS TAGGED OUT AND UNAVAILABLE (THE TURBOCHARGER FAILED ON THIS EDG), THE OTHER THREE EDGs ARE AVAILABLE. ALL OTHER SAFETY SYSTEMS AND OFFSITE POWER SOURCES ARE OPERABLE.

THE UNUSUAL EVENT WAS DECLARED AT 1350. THE LICENSEE ENTERED TECH SPEC 3.0.3 AT THE SAME TIME. BOTH UNITS MUST BE IN MODE 3 WITHIN 7 HOURS OF DECLARATION (2050) AND MODE 5 WITHIN AN ADDITIONAL 30 HOURS.

THE EDGs WERE MANUFACTURED BY NORDBERG, AND THE TURBOCHARGERS WERE MADE BY ABB. THE INVESTIGATION IS FOCUSING ON A DESIGN FLAW THAT INCREASES THE TURBULENCE OF THE INTAKE AIR STREAM IN THE TURBOCHARGER.

THE LICENSEE NOTIFIED APPROPRIATE STATE AND LOCAL OFFICIALS AS WELL AS THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1850 ON 6/28/95 BY MCCORKEL TAKEN BY WEAVER \*\*\*

UNIT 1 IS IN MODE 3. ENFORCEMENT DISCRETION HAS BEEN GRANTED FOR UNIT 2. THE LICENSEE HAS 34 HOURS TO COMPLETE THE REPAIRS ON THE '2B' EDG. UPON COMPLETION OF REPAIRS TO THE '2B' EDG, THE LICENSEE WILL BE IN A 72-HOUR LCO WITH ONLY THE '2A' EDG INOPERABLE ON UNIT 2. POWER DESCENT ON UNIT 2 WAS STOPPED AT 30%. POWER WILL BE INCREASED TO 45% ON UNIT 2 & HELD THERE.

HOO NOTIFIED R2DO (URYC) AND NRR EO (SPESSARD).

\*\*\* UPDATE AT 0751 ON 06/29/95 BY SARRATT TAKEN BY KARSCH \*\*\*

Power Reactor

Event # 28997

THE LICENSEE TERMINATED THE UNUSUAL EVENT FOR UNIT 2 AT 0740 EDT ON 06/29/95 BY RETURNING THE "2B" EDG TO OPERABILITY. A NEW DESIGN DIFFUSER PLATE WAS INSTALLED IN THE TURBOCHARGER TO BLANK OFF THE TURBULENCE. THE DISCRETIONARY ENFORCEMENT HAS BEEN TERMINATED. UNIT 2 IS IN A 72-HOUR LCO WHICH STARTED AT 1350 EDT ON 06/28/95 FOR THE "2A" EDG. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R2DO (URYC), NRR EO (DENNIG), AND FEMA (WITSBERGER).

\*\*\* UPDATE AT 0436 ON 07/01/95 BY McALLISTER TAKEN BY HOO JOLLIFFE \*\*\*

AT 0415 ON 07/01/95, LICENSEE TERMINATED THE UNUSUAL EVENT ON UNIT 1 AFTER RESTORING EDG #1A TO OPERABLE STATUS; EDG #1B IS STILL INOPERABLE. LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT ON UNIT 1. HOO NOTIFIED R2DO URYC, NRR EO SPESSARD, AND FEMA SIMMERS.

NOTE: SEE EVENT NUMBER 29016 FOR A RELATED EVENT.

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Fuel Cycle Facility

Event # 29042

|  |  |   |      |
|--|--|---|------|
| <b>Facility:</b> COMBUSTION ENGINEERING INC. |  | <b>Notification Date / Time:</b> 07/09/1995 17:49 (EDT) |      |
| <b>Licensee:</b> COMBUSTION ENGINEERING INC. |  | <b>Event Date / Time:</b> 07/09/1995 13:30 (CDT)        |      |
| <b>Fac Type:</b> URANIUM FUEL FABRICATION    |  | <b>Last Modification:</b> 07/09/1995                    |      |
| <b>Region:</b> 3                             |  | <b>Docket #:</b> 07000036                               |      |
| <b>City:</b> HEMATITE                        |  | <b>Agreement State:</b> No                              |      |
| <b>County:</b> JEFFERSON                     |  | <b>License #:</b> SNM-33                                |      |
| <b>State:</b> MO                             |  |   |      |
| <b>NRC Notified by:</b> BILL SHARKEY         |  | <b>Notifications:</b> BRUCE BURGESS                     | RDO  |
| <b>HQ Ops Officer:</b> RUDY KARSCH           |  | MIKE BELL   | EO   |
| <b>Emergency Class:</b> UNUSUAL EVENT        |  | STINEDURF   | FEMA |
| <b>10 CFR Section:</b>                       |  | BRENT CLAYTON   | RGN3 |
| 50.72(b)(1)(vi) FIRE (ONSITE)                |  |   |      |

AN UNUSUAL EVENT WAS DECLARED DUE TO A FIRE ON SITE.  
THE POWER TRANSFORMER FOR THE HEALTH PHYSICS LAB, CHEM LAB, MAINTENANCE AREA AND RECYCLE RECOVERY AREA (SHUT DOWN AT THE TIME OF THE EVENT) CAUGHT FIRE.

THE FIRE IN THE POWER TRANSFORMER FOR THE ABOVE NOTED PLANT AREAS WAS PUT OUT WITHIN FIVE MINUTES BY PLANT PERSONNEL. THE TRANSFORMER IS LOCATED OUTSIDE THE BUILDING. THERE IS NO RADIOLOGICAL THREAT FROM THIS FIRE. EMERGENCY POWER IS SUPPLYING ESSENTIAL EQUIPMENT. NORMAL POWER IS EXPECTED TO BE RESTORED SHORTLY AFTER MIDNIGHT TONIGHT. THE UNUSUAL EVENT WAS TERMINATED WHEN THE FIRE WAS PUT OUT.

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Power Reactor

Event # 29080

|  |           |  |   |
|--|-----------|--|---|
| Site: OCONEE   |           | Notification Date / Time: 07/18/1995 07:21 (EDT) |   |
| Unit: 3  | Region: 2 | State : SC                                       | Event Date / Time: 07/18/1995 06:52 (EDT) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |           | Last Modification: 07/18/1995                    |   |
| Containment Type: DRY AMB                            |           |  |   |
| NRC Notified by: MARTY STASNY                        |           | Notifications: WILLIAM RANKIN RDO                |   |
| HQ Ops Officer: LEIGH TROCINE                        |           | ED GOODWIN EO                                    |   |
| Emergency Class: UNUSUAL EVENT                       |           | GARY BELCHER FEMA                                |   |
| 10 CFR Section:                                      |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED DUE TO UNIDENTIFIED REACTOR COOLANT SYSTEM LEAKAGE INCREASING TO APPROXIMATELY SEVEN GALLON PER MINUTE (GPM) WITH THE UNIT IN HOT SHUTDOWN.

WHILE PREPARING THE UNIT FOR STARTUP FOLLOWING A REFUELING OUTAGE, THE UNIDENTIFIED REACTOR COOLANT SYSTEM LEAKAGE INCREASED TO APPROXIMATELY 7 GPM OVER A SHORT PERIOD OF TIME, AND AN UNUSUAL EVENT WAS DECLARED AT 06:52. THE TECHNICAL SPECIFICATIONS REQUIRE THE UNIT TO SHUT DOWN WITHIN 24 HOURS IF THE UNIDENTIFIED LEAKAGE BECOMES GREATER THAN 1 GPM, AND THE UNIT WAS IN HOT SHUTDOWN AT THE TIME OF THE EVENT. THE LICENSEE IS IN THE PROCESS OF COOLING DOWN THE UNIT AND PLANS TO ENTER COLD SHUTDOWN IN ORDER TO CONFIRM THE LOCATION OF THE LEAK AND FACILITATE THE LEAK REPAIR. THE LICENSEE CURRENTLY BELIEVES THAT THERE MAY BE A PACKING LEAK ON PRESSURIZER SPRAY BLOCK VALVE #3RC3.

THERE HAVE BEEN NO PROTECTIVE ACTIONS RECOMMENDED BY THE LICENSEE, AND THERE ARE NO SAFETY-RELATED SYSTEMS OUT OF SERVICE AT THIS TIME. CHARGING AND MAKEUP IS BEING USED FOR PRIMARY SYSTEM INVENTORY CONTROL, AND MAIN FEEDWATER IS BEING USED FOR STEAM GENERATOR INVENTORY CONTROL. THE UNIT IS ALSO STEAMING TO THE CONDENSER. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE AND LOCAL GOVERNMENTS.

\*\*\* UPDATE AT 2255 EDT FROM KOHLER TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2243 WHEN THE REACTOR REACHED COLD SHUTDOWN MODE. THE MAXIMUM LEAK RATE FROM THE PRESSURIZER SPRAY BLOCK VALVE PACKING WAS 35 GPM WHILE THE PRESSURIZER SPRAY THROTTLE VALVE WAS OPEN. THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR AND STATE AND COUNTY AUTHORITIES. HOO NOTIFIED NRR EO BUTCHER, R2DO VIAS, FEMA AUSTIN.

\*\*\*\*\*

Power Reactor

Event # 29101

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: ROBINSON                    |           | Notification Date / Time: 07/24/1995 15:54 (EDT) |   |
| Unit: 2                           | Region: 2 | State : SC                                       | Event Date / Time: 07/24/1995 15:33 (EDT) |
| Reactor Type: [2] W-3-LP          |           | Last Modification: 07/24/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: THOMPSON         |           | Notifications: VIAS                              | RDO                                       |
| HQ Ops Officer: BOB STRANSKY      |           | CHAFFEE  | EO  |
| Emergency Class: UNUSUAL EVENT    |           | SIMMERS  | FEMA                                      |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO REACTOR COOLANT SYSTEM (RCS) LEAKAGE IN EXCESS OF TECHNICAL SPECIFICATION LIMITS.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN INCREASE IN RCS LEAKAGE TO 15 GPM, WHICH EXCEEDS THE TECHNICAL SPECIFICATION LIMIT OF 10 GPM. THE LEAKAGE IS DUE TO SEVERAL SOURCES, AND THE LICENSEE IS IN THE PROCESS OF ISOLATING THE LEAKS. ALL ECCS EQUIPMENT IS AVAILABLE IF NECESSARY.

THE LICENSEE STATED THAT THE DISCHARGE RELIEF VALVE FOR THE "C" CHARGING PUMP HAD BEEN LEAKING WHEN A LEAK DEVELOPED NEAR A FLANGE ASSOCIATED WITH THE DISCHARGE RELIEF VALVE FOR THE "A" CHARGING PUMP. THE "B" CHARGING PUMP APPEARS TO BE UNAFFECTED. THE LICENSEE INTENDS TO ISOLATE THE "A" AND "C" CHARGING PUMPS TO ISOLATE THE LEAKAGE. THE LICENSEE HAS NOT DETERMINED WHETHER A PRESS RELEASE WILL BE MADE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\* UPDATE 1647 7/24/95 FROM THOMPSON TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1639 WHEN RCS LEAKAGE WAS REDUCED BELOW THE TECHNICAL SPECIFICATION LIMIT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. THE NRC OPERATIONS CENTER NOTIFIED R2DO (VIAS), EO (CHAFFEE), AND FEMA (SIMMERS).

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Power Reactor

Event # 29113

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: INDIAN POINT                     |            |           |            | Notification Date / Time: 07/26/1995 12:02 (EDT) |            |   |
| Unit: 3                                |            | Region: 1 |            | State : NY                                       |            | Event Date / Time: 07/26/1995 11:32 (EDT) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP    |            |           |            | Last Modification: 07/26/1995                    |            |   |
| Containment Type: DRY AMB              |            |           |            |  |            |   |
| NRC Notified by: VINCHKOSKI            |            |           |            | Notifications: KEIMIG                            |            | RDO                                       |
| HQ Ops Officer: BOB STRANSKY           |            |           |            | DENNIG   |            | EO  |
| Emergency Class: UNUSUAL EVENT         |            |           |            | SULLIVAN   |            | FEMA                                      |
| 10 CFR Section:                        |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 3                                      | N          | Yes       | 100        | Power Operation                                  | 80         | Power Operation                           |

## UNUSUAL EVENT DECLARED DUE TO TECHNICAL SPECIFICATION REQUIRED SHUTDOWN.

DURING PERFORMANCE OF THE SAFETY INJECTION TRAIN B LOGIC FUNCTIONAL TEST (3PT-14B), SEVERAL RELAYS ASSOCIATED WITH THE CONTAINMENT ISOLATION PHASE "A" ACTUATION LOGIC DID NOT ACTUATE AS EXPECTED. THE LICENSEE IS CURRENTLY INVESTIGATING THE CAUSE OF THE RELAY FAILURES. THE LICENSEE BEGAN A UNIT SHUTDOWN IN ACCORDANCE WITH TECHNICAL SPECIFICATION TABLE 3.5-4, NOTE 1. THE TECHNICAL SPECIFICATION REQUIRES THAT THE UNIT BE PLACED IN HOT SHUTDOWN WITHIN 4 HOURS.

THE LICENSEE IS CURRENTLY REPLACING THE SUBJECT RELAYS, AND PLANS TO REPERFORM THE FUNCTIONAL TEST. ALL ECCS EQUIPMENT IS CURRENTLY OPERABLE, AND NO PROBLEMS ARE EXPECTED WITH THE UNIT SHUTDOWN. THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE. THE LICENSEE INTENDS TO MAKE A PRESS RELEASE REGARDING THE UNIT SHUTDOWN.

\*\*\* UPDATE 1326 7/26/95 FROM VINCHKOSKI TAKEN BY STRANSKY \*\*\*

UNUSUAL EVENT WAS TERMINATED AT 1310 AFTER THE CONTAINMENT ISOLATION PHASE "A" LOGIC WAS REPAIRED AND TESTED SATISFACTORILY. THE UNIT SHUTDOWN WAS STOPPED WITH THE UNIT AT 65% POWER. THE LICENSEE STATED THAT A BAD CONTACT WAS FOUND ON ONE OF THE RELAYS, AND THAT A TEMPORARY MODIFICATION WAS INSTITUTED TO USE A SPARE CONTACT ON THAT RELAY. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R1DO (KEIMIG), EO (DENNIG), FEMA (SULLIVAN).

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Power Reactor

Event # 29125

|                                      |            |  |   |                 |            |                 |
|--------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: WOLF CREEK                     |            | Notification Date / Time: 07/28/1995 00:06 (EDT) |   |                 |            |                 |
| Unit: 1                              | Region: 4  | State : KS                                       | Event Date / Time: 07/27/1995 21:32 (CDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP             |            | Last Modification: 07/28/1995                    |   |                 |            |                 |
| Containment Type: DRY AMB            |            |  |   |                 |            |                 |
| NRC Notified by: JIM KURAS           |            | Notifications: LINDA HOWELL RDO                  |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH          |            | PHILLIP MCKEE EO                                 |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT       |            | STINEDURF FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                      |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |  |   |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                    |            |  |   |                 |            |                 |
| Unit                                 | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                    | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT AT 2211 CDT DUE TO THE LOSS OF BOTH EMERGENCY DIESEL GENERATORS (EDGs).

THE LICENSEE DECLARED BOTH EDGs INOPERABLE AND ENTERED TECH SPEC 3.8.1.1 ACTION F. THE LCO REQUIRES RESTORATION OF ONE EDG WITHIN 2 HOURS OR BE IN HOT STANDBY IN THE NEXT SIX HOURS. THE "KEEP WARM" SYSTEM FOR THE "A" EDG HAS FAILED. THE LICENSEE WILL RUN THE "A" EDG TO BRING IT UP TO OPERATING TEMPERATURE AND RUN IT PERIODICALLY TO MAINTAIN IT AT OPERATING TEMPERATURE. WHEN IT REACHES OPERATING TEMPERATURE THEY WILL DECLARE IT OPERABLE. THE FAILURE OF THE "B" EDG IS DUE TO A BROKEN MECHANICAL OVER-SPEED TRIP. THE TRIP MECHANISM BROKE WHILE THE LICENSEE WAS SECURING THE "B" EDG FOLLOWING A VERIFICATION OF OPERABILITY REQUIRED BY THE UNAVAILABILITY OF THE "A" EDG.

WEATHER AT THE SITE IS CLEAR. THREE SOURCES OF OFFSITE POWER ARE AVAILABLE TO FEED STATION BUSES, AND THE GRID IS STABLE. THE LICENSEE NOTIFIED THE KANSAS DIVISION OF EMERGENCY MANAGEMENT, THE COFFEY COUNTY SHERIFF AND THE NRC RESIDENT INSPECTOR. A PRESS RELEASE WILL BE ISSUED BY THE LICENSEE.

\*\*\* UPDATE AT 0333 EDT FROM KURAS TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 0230 CDT BY RESTORING THE "A" EDG TO OPERABLE STATUS. THEY RAN THE ENGINE TO BRING IT UP ABOVE THE MINIMUM "KEEP WARM" TEMPERATURE. THEY THEN CONFIRMED THAT IT DID NOT EXHIBIT THE SAME FAILURE AS EDG "B". EDG "A" WILL BE RUN EVERY TWO HOURS TO MAINTAIN TEMPERATURE. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R4DO (HOWELL), NRR EO (MCKEE), AND FEMA (STINEDURF) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 29137

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: TURKEY POINT                  |           | Notification Date / Time: 07/31/1995 11:45 (EDT) |   |
| Unit: 3 4                           | Region: 2 | State : FL                                       | Event Date / Time: 07/31/1995 11:25 (EDT) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |           | Last Modification: 08/01/1995                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: RICK ADAMSON       |           | Notifications: THOMAS PEEBLES RDO                |   |
| HQ Ops Officer: JOSEPH SEBROSKY     |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 4    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A HURRICANE WARNING BEING POSTED FOR THE AREA.

ALL EMERGENCY CORE COOLING SYSTEMS AND EMERGENCY DIESEL GENERATORS (EDGs) ARE OPERABLE. THE LICENSEE PLANS TO TEST THE EDGs LATER TODAY DUE TO THE HURRICANE. THE LICENSEE WILL EXIT THE UNUSUAL EVENT WHEN THE HURRICANE WARNING FOR THEIR AREA IS NO LONGER IN EFFECT.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR, STATE OFFICIALS, AND LOCAL OFFICIALS IN ACCORDANCE WITH THEIR EMERGENCY PLAN.

NOTE: SEE EVENT #29138 FOR A RELATED EVENT.

\*\*\* UPDATE @ 2101 EDT ON 8/1/95 FROM:MATUSZEWSKI BY:McGINTY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2101 EDT ON 8/1/95, BASED ON THE HURRICANE WARNING BEING LIFTED FOR DADE COUNTY. THE LICENSEE INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED THE R2DO (CASTO), EO (BOGER) AND FEMA (STEINDRUFF).

\*\*\*\*\*

Power Reactor

Event # 29138

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: SAINT LUCIE                 |                      | Notification Date / Time: 07/31/1995 11:48 (EDT) |  |
| Unit: 1 2                         | Region: 2 State : FL | Event Date / Time: 07/31/1995 11:28 (EDT)        |  |
| Reactor Type: [1] CE,[2] CE       |                      | Last Modification: 08/02/1995                    |  |
| Containment Type:                 |                      |  |  |
| NRC Notified by: SCISCENTE        |                      | Notifications: THOMAS PEEBLES RDO                |  |
| HQ Ops Officer: DICK JOLLIFFE     |                      | AL CHAFFEE, NRR EO                               |  |
| Emergency Class: UNUSUAL EVENT    |                      | AUSTIN FEMA                                      |  |
| 10 CFR Section:                   |                      |  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UNUSUAL EVENT DECLARED DUE TO HURRICANE WARNING (TROPICAL STORM ERIN) -

LICENSEE HAS DECLARED AN UNUSUAL EVENT DUE TO A CONFIRMED HURRICANE WARNING FOR THE EAST COAST OF FLORIDA FROM SEBASTIAN INLET SOUTHWARD THROUGHOUT THE FLORIDA KEYS DUE TO TROPICAL STORM ERIN (PRESENTLY LOCATED APPROXIMATELY 400 MILES EAST-SOUTHEAST OF FLORIDA) AND IS IMPLEMENTING THEIR SEVERE WEATHER PREPARATION PROCEDURE.

ALL EMERGENCY DIESEL GENERATORS AND ALL EMERGENCY CORE COOLING SYSTEMS ARE OPERABLE ON BOTH UNITS.

LICENSEE NOTIFIED STATE OFFICIALS AND THE NRC RESIDENT INSPECTOR AND WILL NOTIFY OTHER GOVERNMENT AGENCIES AND LOCAL OFFICIALS AND WILL ISSUE A PRESS RELEASE.

NOTE: SEE EVENT #29137 FOR A RELATED EVENT.

\*\*\* UPDATE AT 0918 ON 08/01/95 BY SCISCENTE ENTERED BY HOO JOLLIFFE \*\*\*  
AT 0805 ON 08/01/95, LICENSEE BEGAN TO SHUT UNIT 2 DOWN FROM 100% POWER AT 20% PER HOUR IN ANTICIPATION OF THE ARRIVAL OF HURRICANE ERIN.

LICENSEE NOTIFIED STATE OFFICIALS AND THE NRC RESIDENT INSPECTOR AND WILL NOTIFY OTHER GOVERNMENT AGENCIES AND LOCAL OFFICIALS AND WILL ISSUE A PRESS RELEASE.

HOO NOTIFIED R2DO PEEBLES, NRR EO CHAFFEE, AND AEOD ROSS.

\*\*\* UPDATE @ 1201 EDT ON 8/1/95 FROM: SCISCENTE BY:McGINTY \*\*\*  
AS OF 1150 EDT, THE LICENSEE HAS COMPLETED SHUTTING DOWN UNIT 2, AND HAS COMMENCED A

Power Reactor

Event # 29138

SHUTDOWN OF UNIT 1 FROM 100% POWER, AT 20% PER HOUR. NEITHER UNIT HAS EXPERIENCED ANY OPERATIONAL DIFFICULTIES. THE LICENSEE INFORMED THE RESIDENT INSPECTOR. HOO NOTIFIED THE R2DO (PEEBLES), NRR EO (CHAFFEE) AND AEOD (ROSS/BAILEY).

\*\*\* UPDATE @ 2100 EDT ON 8/1/95 BY:McGINTY \*\*\*

THE NRC HAS ENTERED THE MONITORING PHASE OF NORMAL MODE, EFFECTIVE AT 2100 EDT ON 8/1/95. THE DECISION WAS MADE DURING A CONFERENCE CALL WITH AEOD (ROSS/CONGEL), R2 (REYES), AND EO (CHAFFEE). HOO NOTIFIED R2DO (CASTO) AND THE RCT (SCARFO) FOR REMAINING FED NOTIFICATIONS.

\*\*\* UPDATE 0546 8/2/95 FROM FIELDS TAKEN BY STRANSKY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0542. THE HURRICANE WAS DOWNGRADED TO A TROPICAL STORM AT 0500. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. THE LICENSEE IS CURRENTLY PERFORMING A SITE WALKDOWN AND INSPECTIONS OF EMERGENCY EVACUATION ROUTES. NOTIFIED R2 (MERSCHOFF), EO (BOGER), FEMA (EARL).

\*\*\*UPDATE 08:00 8/2/95 BY SEBROSKY\*\*\*

COMMISSIONERS ASSISTANTS BRIEFING FOR UPDATE ON TROPICAL STORM ERIN NOTIFICATIONS (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD(JORDAN), ERB(MARKSBERRY), COMM JACKSON(PARKER), ROGERS(SORENSEN), EDO(TRACY), EO(CHAFFEE), PAO(BEECHER), CAO(KEELING), SECY(HART), STATE(\*), IP(\*), BRIEFER(MERSCHOFF).

HOO NOTE: THE NRC EXITED THE MONITORING MODE AT 08:30. RCT NOTIFIED.

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Power Reactor

Event # 29151

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WATERFORD                   |           | Notification Date / Time: 08/02/1995 20:21 (EDT) |   |
| Unit: 3                           | Region: 4 | State : LA                                       | Event Date / Time: 08/02/1995 18:53 (CDT) |
| Reactor Type: [3] CE              |           | Last Modification: 08/03/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: WYNN             |           | Notifications: JOHN PELLET RDO                   |   |
| HQ Ops Officer: TIM McGINTY       |           | BRUCE BOGER EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | STEINDRUFF FEMA                                  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A HURRICANE WARNING BEING POSTED FOR ST. CHARLES PARISH.

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1853 CDT BASED ON ST. CHARLES PARISH BEING UNDER A HURRICANE WARNING. THE UNIT IS CURRENTLY OPERATING AT 100% POWER AND IS NOT EXPERIENCING ANY OPERATIONAL DIFFICULTIES. THE LICENSEE HAS IMPLEMENTED PERFORMANCE OF THE OFF-NORMAL PROCEDURE FOR HURRICANE PREPARATION AND WILL BE VERIFYING THE OPERABILITY OF THE EDGs LATER ON TONIGHT. THE BASIS FOR TERMINATING THE UNUSUAL EVENT WOULD BE THE REMOVAL OF THE HURRICANE WARNING FOR ST. CHARLES PARISH.

THE LICENSEE WILL INFORM THE NRC OPERATIONS CENTER IF SITE OR PLANT CONDITIONS CHANGE. ERIN IS CURRENTLY A TROPICAL STORM LOCATED AT 28.8°N AND 84.7°W AS OF 2000 EDT. WINDS ARE PRESENTLY 70 MPH WITH GUSTS UP TO 85 MPH. ERIN IS MOVING WEST-NORTHWEST AT A SPEED OF 17 MPH AND IS EXPECTED TO MOVE PARALLEL TO THE FLORIDA PANHANDLE THIS EVENING. THERE IS A CHANCE THAT ERIN WILL STRENGTHEN TO A CATEGORY ONE HURRICANE BEFORE MOVING INLAND. THE HURRICANE WARNING IS IN EFFECT FROM THE MOUTH OF THE SUWANNEE RIVER WESTWARD TO THE MOUTH OF THE MISSISSIPPI RIVER INCLUDING NEW ORLEANS. PROJECTED LANDFALL OF ERIN IS THURSDAY MORNING AROUND 0800 CDT.

THE LICENSEE INFORMED STATE AND LOCAL AUTHORITIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE RECEIVED AT 1542 ON AUGUST 3, 1995, FROM BAKER BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1437 CDT ON AUGUST 3, 1995, DUE TO THE TERMINATION OF THE HURRICANE WARNING. A TORNADO WATCH IS STILL IN EFFECT AT THIS TIME. THE LICENSEE NOTIFIED THE OPERATIONAL HOT LINE MEMBERS INCLUDING THE ST. CHARLES PARISH EMERGENCY OPERATING CENTER, ST. JOHNS PARISH EMERGENCY OPERATING CENTER, TWO LOUISIANA STATE DEPARTMENTS, AND WATERFORD UNITS 1 AND 2. THE LICENSEE WILL ALSO

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Power Reactor

Event # 29151

NOTIFY THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO  
(PELLET), NRR EO (BOGER), AND FEMA (SHULL).

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Power Reactor

Event # 29153

|                                   |            |           |            |  |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Site: SAINT LUCIE                 |            |           |            | Notification Date / Time: 08/02/1995 21:58 (EDT) |            |                 |
| Unit: 1                           |            | Region: 2 | State : FL | Event Date / Time: 08/02/1995 21:25 (EDT)        |            |                 |
| Reactor Type: [1] CE,[2] CE       |            |           |            | Last Modification: 08/03/1995                    |            |                 |
| Containment Type:                 |            |           |            |  |            |                 |
| NRC Notified by: SNYDER           |            |           |            | Notifications: CHARLES CASTO RDO                 |            |                 |
| HQ Ops Officer: TIM McGINTY       |            |           |            | BRUCE BOGER EO                                   |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |           |            | BELCHER FEMA                                     |            |                 |
| 10 CFR Section:                   |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 1                                 | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby     |

PRECAUTIONARY UNUSUAL EVENT WAS DECLARED DUE TO A 2 gpm IDENTIFIED LEAK RATE CAUSED BY THE FAILURE OF THE '1A2' RCP SEAL PACKAGE.

AT 2125 EDT ON 8/2/95, A PRECAUTIONARY UNUSUAL EVENT WAS DECLARED DUE TO THE CONFIRMED IDENTIFICATION OF A 2 gpm LEAK RATE FROM THE '1A2' SEAL PACKAGE. USING CONTROL ROOM INDICATIONS, IT HAS BEEN DETERMINED THAT THE LEAK IS BEING COLLECTED TO THE REACTOR CAVITY SUMP. THE LEAK RATE IS CURRENTLY STEADY AT 2 gpm WITH A COOLDOWN IN PROGRESS AND RCS TEMPERATURE AT 370°F AND RCS PRESSURE AT 530 psia. THE UNIT IS BEING DEPRESSURIZED AND COOLED DOWN TO MODE 5 FOR REPAIRS ON THE '1A2' RCP SEAL. THE LICENSEE SECURED THE '1A2' RCP UPON INDICATION OF THE SECOND STAGE SEAL FAILURE. THE OTHER THREE RCPs REMAIN IN OPERATION.

THE LICENSEE HAS NOTIFIED THE STATE AND LOCAL AGENCIES AND THE RESIDENT INSPECTOR. UNIT 1 HAS A 1 gpm UNIDENTIFIED LEAKAGE AND 10 gpm IDENTIFIED LEAKAGE ALLOWABLE TECHNICAL SPECIFICATION, AND THUS THE UNUSUAL EVENT DECLARATION IS PRECAUTIONARY. A PRIMARY COOLANT SYSTEM SAMPLE DRAWN TODAY WAS NORMAL AT 0.15 microcuries/ml. THE CONTAINMENT RADIATION GASEOUS MONITORING SHOWS A VERY SLIGHT INCREASE IN LEVELS. (REFER TO RELATED EVENT #29152.)

\*\*\* UPDATE 0647 8/3/95 FROM MIHALAKEA TAKEN BY STRANSKY \*\*\*

UNUSUAL EVENT TERMINATED AT 0630. RCS LEAKAGE THROUGH THE FAILED RCP SEAL PACKAGE HAS DECREASED AS RCS PRESSURE AND TEMPERATURE HAVE DECREASED. THE UNIT IS IN MODE 4 AND WILL CONTINUE TO BE COOLED TO PERMIT REPLACEMENT OF THE RCP SEAL PACKAGE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. THE NRC OPERATIONS CENTER NOTIFIED R2DO (CASTO), EO (CHAFFEE), AND FEMA (EARL).

\*\*\*\*\*

Power Reactor

Event # 29174

|                                   |            |           |            |  |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Site: PEACH BOTTOM                |            |           |            | Notification Date / Time: 08/09/1995 10:29 (EDT) |            |                 |
| Unit: 2 3                         |            | Region: 1 | State : PA | Event Date / Time: 08/09/1995 10:26 (EDT)        |            |                 |
| Reactor Type: [2] GE-4,[3] GE-4   |            |           |            | Last Modification: 08/09/1995                    |            |                 |
| Containment Type: MARK I MARK I   |            |           |            |  |            |                 |
| NRC Notified by: LEWIS            |            |           |            | Notifications: JAMES JOYNER                      |            | RDO             |
| HQ Ops Officer: TIM McGINTY       |            |           |            | CHAFFEE  |            | EO              |
| Emergency Class: UNUSUAL EVENT    |            |           |            | BAGWELL  |            | FEMA            |
| 10 CFR Section:                   |            |           |            |  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                 | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation |
| 3                                 | N          | Yes       | 69         | Power Operation                                  | 69         | Power Operation |

UE DECLARED DUE TO TRANSPORTING A POTENTIALLY CONTAMINATED INDIVIDUAL TO THE HOSPITAL.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO TRANSPORTING A POTENTIALLY CONTAMINATED WORKER TO A LOCAL HOSPITAL. THE WORKER WAS INJURED IN A CONTAMINATED AREA, AND THE LICENSEE WAS UNABLE TO PROVE THAT THE INDIVIDUAL WAS NOT CONTAMINATED PRIOR TO GOING TO THE HOSPITAL. THE INDIVIDUAL WAS TRANSFERRED TO HARTFORD MEMORIAL HOSPITAL IN MARYLAND. THE INDIVIDUAL SUSTAINED AN ANKLE INJURY, WITH POSSIBLE NECK AND BACK INJURIES. THE LICENSEE INFORMED THE RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES, AND ANTICIPATES A PRESS RELEASE.

\*\*\* UPDATE 1217 8/9/95 FROM CLARK TAKEN BY McGINTY \*\*\*

THE UNUSUAL EVENT HAS BEEN TERMINATED. UPON ARRIVAL AT THE HOSPITAL, THE INJURED INDIVIDUAL WAS FOUND TO HAVE SLIGHT CONTAMINATION OF HIS CLOTHING (ABOUT 200 CPM), BUT HIS SKIN WAS NOT CONTAMINATED. AN EMT WHO ACCOMPANIED THE INDIVIDUAL TO THE HOSPITAL ALSO HAD CONTAMINATED CLOTHING (ABOUT 1,000 CPM), BUT HAD NO SKIN CONTAMINATION. THE NRC RESIDENT INSPECTOR WILL BE INFORMED. NOTIFIED R1DO (JOYNER), EO (CHAFFEE), FEMA (BAGWELL).

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Power Reactor

Event # 29199

|                                      |            |           |            |  |            |   |
|--------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BRUNSWICK                      |            |           |            | Notification Date / Time: 08/15/1995 11:56 (EDT) |            |   |
| Unit: 1 2                            |            | Region: 2 |            | State : NC                                       |            | Event Date / Time: 08/15/1995 11:34 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4      |            |           |            | Last Modification: 08/16/1995                    |            |   |
| Containment Type: MARK I MARK I      |            |           |            |  |            |   |
| NRC Notified by: ROUSE               |            |           |            | Notifications: JEROME BLAKE RDO                  |            |   |
| HQ Ops Officer: TIM McGINTY          |            |           |            | DENNIG EO  |            |   |
| Emergency Class: UNUSUAL EVENT       |            |           |            | STEINDRUFF FEMA                                  |            |   |
| 10 CFR Section:                      |            |           |            | COMM ASST BRIEF                                  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |           |            |  |            |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |           |            |  |            |   |
| Unit                                 | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                    | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |
| 2                                    | N          | Yes       | 25         | Power Operation                                  | 25         | Power Operation                           |

UNUSUAL EVENT DECLARED DUE TO A POSTED HURRICANE WARNING.

BRUNSWICK UNITS 1 AND 2 DECLARED AN UNUSUAL EVENT AT 11:34 EDT DUE TO A HURRICANE WARNING BEING POSTED IN RESPONSE TO HURRICANE FELIX. BOTH UNITS ARE CURRENTLY STABLE WITH OFFSITE POWER AVAILABLE. THE EDGs, ECCSs, AND RCIC ARE OPERABLE AT BOTH UNITS. UNIT 2 IS AT A REDUCED POWER OF APPROXIMATELY 25% DUE TO A CONDENSER TUBE LEAK IN THE 'B' NORTH WATER BOX. UNIT 2 IN HOUSE LOADS HAVE BEEN TRANSFERRED TO THE STARTUP AUXILIARY TRANSFORMER. THE LICENSEE HAS IMPLEMENTED PROCEDURE AI-68, BRUNSWICK NUCLEAR PLANT RESPONSE TO SEVERE WEATHER WARNINGS.

THE LICENSEE HAS NOTIFIED THE STATE AND LOCAL AUTHORITIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* 15:28 AUGUST 15, 1995, UPDATE FROM REINSBURROW TAKEN BY TROCINE \*\*\*

THE LICENSEE SPECIFIED THAT A NOTIFICATION OF OFFSITE AGENCIES WAS MADE DUE TO THE DECLARATION OF THE UNUSUAL EVENT FOR HURRICANE FELIX.

THE LICENSEE NOTIFIED THE STATE OF NORTH CAROLINA, BRUNSWICK COUNTY, AND NEW HANOVER COUNTY. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CHRISTENSEN).

\*\*\* 11:43 ON AUGUST 16, 1995, UPDATE FROM O'QUINN TAKEN BY JOLLIFFE \*\*\*

AT 11:18 ON AUGUST 16, 1995, UNIT 1 WAS OPERATING AT 75% POWER DECREASING TO 60% POWER, AND UNIT 2 WAS OPERATING AT 25% POWER. THE HURRICANE WARNING FOR THE BRUNSWICK AREA WAS DOWNGRADED TO A HURRICANE WATCH. THE WIND WAS BLOWING AT 11.6 MILES PER HOUR FROM 351 DEGREES AT THE SITE WITH A STABILITY CLASS OF 'A'.

Power Reactor

Event # 29199

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CHRISTENSEN).

\*\*\* 12:36 AUGUST 16, 1995, UPDATE FROM O'QUINN TAKEN BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 12:33 ON AUGUST 16, 1995, BECAUSE THE SITE IS NO LONGER UNDER A HURRICANE WARNING. PLANT CONDITIONS ARE STABLE WITH UNITS 1 AND 2 AT 59% AND 25% REACTOR POWER, RESPECTIVELY. THERE ARE NO RECOMMENDED PROTECTIVE ACTIONS AT THIS TIME.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER INFORMED THE R2DO (CHRISTENSEN), THE NRR EO (GOODWIN), AND FEMA (SHULL).

\*\*\* 16:30 AUGUST 16, 1995, UPDATE BY TROCINE \*\*\*

A COMMISSIONERS ASSISTANTS' BRIEFING WAS CONDUCTED AT 16:30 ON AUGUST 16, 1995, IN ORDER TO DISCUSS THE RAMIFICATIONS OF HURRICANE FELIX. THE FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD (H. BAILEY, R. BARRETT, R. HASSELBERG, J. JOLICOEUR, AND E. JORDAN); COMM. JACKSON (J. JOHNSON); COMM. ROGERS (J. SORENSEN); EDO - REACTORS (C. CARPENTER); EDO - MATERIALS, FUEL, SAFEGUARDS (\*K. STABLEIN); REGION 1 (J. JOYNER AND P. KAUFMAN); REGION 2 (J. BARTLEY, M. BRANCH, C. CASTO, K. LANDIS, C. PATTERSON, J. STAREFOS, AND R. TROJANOWSKI); NRR EO (A. CHAFFEE); NMSS EO (D. COOL); R1DO (\*J. ROGGE); R2DO (\*C. CHRISTENSEN); PAO (J. GILLILAND); CAO (T. COMBS); SECY (A. BATES); STATE (\*P. LOHAUS); IP (H. FAULKNER); NRR (B. BUCKLEY, E. GOODWIN, AND W. MAIER); AND NMSS (F. COMBS AND E. FLACK).

THE FORWARD MOVEMENT OF HURRICANE FELIX HAS SLOWED SIGNIFICANTLY. THE STORM IS CURRENTLY MOVING WEST-NORTHWEST AT APPROXIMATELY 4 MILES PER HOUR AND IS LOCATED APPROXIMATELY 150 MILES EAST-SOUTHEAST OF CAPE HATTERAS, NORTH CAROLINA. (THIS STORM LOCATION IS APPROXIMATELY 300 MILES FROM THE BRUNSWICK FACILITY AND APPROXIMATELY 250 MILES FROM THE SURRY FACILITY.) HURRICANE FORCE WINDS EXTEND OUT APPROXIMATELY 110 MILES FROM THE CENTER OF THE STORM. THE EARLIEST PROJECTED LANDFALL IS ESTIMATED TO BE LATE TONIGHT OR EARLY TOMORROW MORNING. THE STORM IS CURRENTLY LOCATED OVER 80°F WATER AND IS EXPECTED TO MOVE OVER THE GULF STREAM (WHICH HAS A WATER TEMPERATURE OF 86°F) LATER TODAY. THE WARMER WATER TEMPERATURE COULD CAUSE THE FORWARD MOTION OF THE STORM TO SLOW DOWN AND COULD CAUSE THE STORM TO STRENGTHEN IN FORCE. MAXIMUM SUSTAINED WINDS ARE APPROXIMATELY 80 MILES PER HOUR WITH GUSTS UP TO 100 MILES PER HOUR.

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Power Reactor

Event # 29221

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: COOK                          |           | Notification Date / Time: 08/20/1995 01:22 (EDT) |   |
| Unit: 1                             | Region: 3 | State : MI                                       | Event Date / Time: 08/20/1995 00:49 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 08/20/1995                    |   |
| Containment Type: ICE COND          |           |  |   |
| NRC Notified by: RONALD PETRO       |           | Notifications: GEOFFREY WRIGHT RDO               |   |
| HQ Ops Officer: RUDY KARSCH         |           | MARTIN VIRGILIO EO                               |   |
| Emergency Class: UNUSUAL EVENT      |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED BY THE LICENSEE AT 0100 DUE TO AN EXPLOSION ON SITE.

THE MAIN TRANSFORMER HAD BEEN REPLACED AND INITIAL TESTING WAS UNDER WAY WHEN THE OUTPUT BUSHING FOR PHASE 2 FAILED. IT EXPLODED AND SOME OF THE TRANSFORMER'S FILL OIL LEAKED OUT. PROTECTIVE RELAYING ISOLATED THE THE TRANSFORMER AND THERE WAS NO LOSS OF POWER TO ANY SITE LOADS. THERE WAS NO FIRE OR DAMAGE ON SITE OTHER THAN TO THE TRANSFORMER. THE OIL SPILL WAS CONTAINED BY THE RETENTION DIKE SURROUNDING THE TRANSFORMER. STATE AND COUNTY AGENCIES HAVE BEEN NOTIFIED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE FROM PETRO AT 0235 EDT TAKEN BY KARSCH \*\*\*

AT 0150, LICENSEE TERMINATED THE UNUSUAL EVENT AFTER DETERMINING THAT NO ENVIRONMENTAL HAZARD TO THE SITE EXISTS. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R3DO WRIGHT, NRR EO VIRGILIO AND FEMA CALDWELL.

\*\*\*\*\*

Power Reactor

Event # 29226

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: COOK                          |            | Notification Date / Time: 08/22/1995 12:08 (EDT) |   |                 |            |                 |
| Unit: 1                             | Region: 3  | State : MI                                       | Event Date / Time: 08/22/1995 11:25 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 08/22/1995                    |   |                 |            |                 |
| Containment Type: ICE COND          |            |  |   |                 |            |                 |
| NRC Notified by: PTACEK             |            | Notifications: BRUCE JORGENSEN RDO               |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD      |            | DENNIG EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) FIRE (ONSITE)       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | N          | No   | 0   | Refueling       | 0          | Refueling       |

THE LICENSEE REPORTED A FIRE IN THE AUXILIARY BUILDING THAT WAS EXTINGUISHED WITHIN 8 MINUTES.

THIS OCCURRED WHILE THE LICENSEE WAS INSTALLING SOME FLASHING MATERIAL AGAINST A VENT SUPPORT WHICH REQUIRED HEAT ON THE FLASHING TAR TO MAKE A SEAL. THE FLAME USED TO SEAL THE FLASHING SOME HOW WENT BEHIND THE FLASHING AND CAUGHT FIRE TO THE 2X4 WOOD VENT SUPPORT. THE FIRE WAS EXTINGUISHED WITHIN 8 MINUTES BY THE ONSITE FIRE BRIGADE. A RE-FLASH WATCH HAS BEEN ESTABLISHED, AND THE UNUSUAL EVENT WAS TERMINATED AT 11:33. THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL AGENCIES WERE NOTIFIED.

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Research Reactor

Event # 29228

|   |  |
|---|--|
| Facility: NATIONAL INST OF STANDARDS & TECH | Notification Date / Time: 08/22/1995 13:01 (EDT) |
| Licensee: U. S. DEPT. OF COMMERCE           | Event Date / Time: 08/22/1995 12:30 (EDT)        |
| Fac Type: 20000 KW TEST                     | Last Modification: 08/22/1995                    |
| Region: 1                                   | Docket #: 05000184                               |
| City: GAITHERSBURG                          | Agreement State: No                              |
| County: MONTGOMERY                          | License #: TR-5                                  |
| State: MD                                   |  |
| NRC Notified by: WILKINSON                  | Notifications: RICHARD CONTE RDO                 |
| HQ Ops Officer: CHAUNCEY GOULD              | DENNIG EO  |
| Emergency Class: UNUSUAL EVENT              | HERSKO FEMA                                      |
| 10 CFR Section:                             | BUSH IAT   |
| 73.71(b)(1) SAFEGUARDS REPORTS              | DAVIDSON IAT                                     |

THE LICENSEE REPORTED THAT IT RECEIVED A BOMB THREAT. IMMEDIATE COMPENSATORY MEASURES HAVE BEEN TAKEN. SEE LOG FOR DETAILS.

\*\*\* UPDATE AT 13:25 ON AUGUST 22, 1995, BY WILKINSON TO GOULD \*\*\*

THE UNUSUAL EVENT WAS TERMINATED, AND THE SEARCH RESULTS WERE NEGATIVE.  
THE FBI WAS NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 29246

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: LIMERICK                    |            | Notification Date / Time: 08/28/1995 07:39 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : PA                                       | Event Date / Time: 08/28/1995 06:52 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 08/29/1995                    |   |                 |            |                 |
| Containment Type: MARK II         |            |  |   |                 |            |                 |
| NRC Notified by: MUDRICK          |            | Notifications: RICHARD CONTE RDO                 |   |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER       |            | GUS LAINAS EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | M/R        | Yes  | 9   | Startup         | 0          | Hot Shutdown    |

**-UNUSUAL EVENT DECLARED BASED ON UNIDENTIFIED LEAKAGE TO THE DRYWELL-**

DURING STARTUP, WITH REACTOR POWER AT ABOUT 9%, THE LICENSEE SCRAMMED THE PLANT DUE TO UNIDENTIFIED LEAKAGE TO THE DRYWELL OF ABOUT 3.2 GPM. THIS EXCEEDS THE LEAKAGE ALLOWED BY TECH SPEC 3.4.3.2 OF A 2 GPM INCREASE IN LEAKAGE IN A 24 HOUR PERIOD. PLANT PRESSURE WAS ABOUT 800 PSIG AT THE TIME THE EVENT OCCURRED. ALL RODS FULLY INSERTED AND THE PLANT IS STABLE IN OPERATIONAL CONDITION 3. PLANT PRESSURE HAS BEEN REDUCED TO AROUND 500 PSIG AND LEAKAGE HAS BEEN REDUCED TO 3.0 GPM. ALL SAFETY RELATED EQUIPMENT IS OPERABLE.

THE LICENSEE IS MAKING PREPARATIONS FOR A DRYWELL ENTRY TO DETERMINE THE EXACT LOCATION OF THE LEAK. FURTHER ACTIONS WILL BE DETERMINED BY THE LEAK LOCATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. APPROPRIATE STATE AND LOCAL OFFICIALS WERE NOTIFIED. A PRESS RELEASE IS PLANNED.

**\*\*\* UPDATE AT 0833 ON 8/28/95 BY TUCKER TAKEN BY WEAVER \*\*\***

THE UNUSUAL EVENT WAS TERMINATED AT 0829 BASED ON PLANT STABILITY AND LEAKAGE BEING REDUCED TO LESS THAN 2 GPM. HOO NOTIFIED RDO (CONTE); EO (LAINAS); FEMA (WITSBURGER).

**\*\*\* UPDATE AT 08:33 ON 8/29/95 BY NEFF TAKEN BY WEAVER \*\*\***

THE LICENSEE UPDATED THIS EVENT

DURING EFFORTS TO IDENTIFY AND REDUCE THE LEAKAGE RATE, OPERATORS REDUCED THE REACTOR PRESSURE. WHEN REACTOR PRESSURE WAS REDUCED BELOW 680 PSIG, REACTOR LEVEL BEGAN TO INCREASE DUE TO CONDENSATE INJECTION SINCE CONDENSATE PUMP DISCHARGE PRESSURE EXCEEDED REACTOR PRESSURE. AT 0652 HOURS, REACTOR LEVEL INCREASED TO ABOVE 54 INCHES, AND THE OPERATING REACTOR FEEDPUMP TRIPPED PER DESIGN.

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Power Reactor

Event # 29246

DUE TO THE DIFFICULTY IN CONTROLLING REACTOR LEVEL AND THE LEAK INTO THE DRYWELL, THE OPERATORS DECIDED TO SHUTDOWN THE REACTOR AT 0652 HOURS BY PLACING THE REACTOR MODE SWITCH IN SHUTDOWN. REACTOR LEVEL WAS STABILIZED AT 35 INCHES USING AUTOMATIC LEVEL CONTROL WITH CONDENSATE INJECTION, AND REACTOR PRESSURE WAS STABILIZED AT 450 PSIG BY CLOSING THE OUTBOARD MAIN STEAM ISOLATION VALVES (MSIVs). THERE WAS NO RELEASE OF RADIOACTIVE MATERIAL TO THE ENVIRONMENT AS A RESULT OF THE EVENT.

EFFORTS TO IDENTIFY AND REPAIR THE SOURCE OF THE LEAK ARE CONTINUING.  
HOO NOTIFIED RDO (SHANBAKY).

\*\*\*\*\*

Power Reactor

Event # 29279

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 09/01/1995 19:46 (EDT) |   |
| Unit: 1                             | Region: 1 | State : NJ                                       | Event Date / Time: 09/01/1995 18:52 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 09/01/1995                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: RUSSELL MUNOS      |           | Notifications: MOHAMED SHANBAKY RDO              |   |
| HQ Ops Officer: LEIGH TROCINE       |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT      |           | AL AUSTIN FEMA                                   |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

# UNUSUAL EVENT DECLARED DUE TO THE TRANSPORT OF A POTENTIALLY CONTAMINATED INDIVIDUAL OFFSITE TO AN OFFSITE MEDICAL FACILITY

AT APPROXIMATELY 18:30, AN INDIVIDUAL FELL FROM A STEAM GENERATOR PLATFORM ONTO TWO OTHER INDIVIDUALS. THE INDIVIDUAL THAT FELL AND ONE OF THE TWO INDIVIDUALS THAT BROKE THE FALL WERE INJURED (NOT SEVERELY) AND WERE NOT CONTAMINATED. THE OTHER INDIVIDUAL ON THE GROUND COMPLAINED OF NUMBNESS ON ONE SHOULDER AND WAS PLACED ON A STRETCHER. AT 18:52, THE LICENSEE MADE THE DECISION TO TRANSPORT THIS POTENTIALLY CONTAMINATED INDIVIDUAL TO AN OFFSITE MEDICAL FACILITY VIA AN AMBULANCE, AND AN UNUSUAL EVENT WAS DECLARED IN ACCORDANCE WITH EMERGENCY CLASSIFICATION GUIDELINE SECTION 7, CONDITION 'A'. THE INDIVIDUAL WAS TRANSPORTED OFFSITE AT APPROXIMATELY 19:07, AND THE AMBULANCE REACHED THE HOSPITAL AT 19:30.

THERE WAS NO RADIOLOGICAL RELEASE IN PROGRESS, AND NO PROTECTIVE ACTIONS ARE RECOMMENDED AT THIS TIME. THE UNUSUAL EVENT WILL BE TERMINATED IF LICENSEE HEALTH PHYSICS PERSONNEL LOCATED AT THE HOSPITAL DETERMINE THAT THE INJURED INDIVIDUAL IS NOT CONTAMINATED.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, THE LOWER ALLOWAYS CREEK TOWNSHIP, AND THE STATES OF NEW JERSEY AND DELAWARE.

\*\*\* 20:06 SEPTEMBER 1, 1995, UPDATE FROM MUNOS RECEIVED BY TROCINE \*\*\*

A SURVEY OF THE POTENTIALLY CONTAMINATED INDIVIDUAL DETERMINED THAT HE WAS NOT CONTAMINATED. AS A RESULT, THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 20:00. THE LICENSEE PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR, THE LOWER ALLOWAYS CREEK TOWNSHIP, AND THE STATES OF NEW JERSEY AND DELAWARE.

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Power Reactor

Event # 29316

|  |           |  |   |
|--|-----------|--|---|
| Site: LIMERICK                         |           | Notification Date / Time: 09/11/1995 13:09 (EDT) |   |
| Unit: 1                                | Region: 1 | State : PA                                       | Event Date / Time: 09/11/1995 12:50 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4        |           | Last Modification: 09/12/1995                    |   |
| Containment Type: MARK II              |           |  |   |
| NRC Notified by: FORST                 |           | Notifications: WILLIAM RULAND RDO                |   |
| HQ Ops Officer: CHAUNCEY GOULD         |           | CHAFFEE EO                                       |   |
| Emergency Class: UNUSUAL EVENT         |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(b)(1)(ii) DEGRAD COND DURING OP  |           |  |   |
| 50.72(b)(2)(ii) RPS ACTUATION          |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

THE LICENSEE MANUALLY SCRAMMED THE REACTOR DUE TO A STUCK OPEN MAIN STEAM LINE SAFETY RELIEF VALVE.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO SAFETY RELIEF VALVE (PSV-41-1F013M) FAILING OPEN WHILE THE PLANT WAS AT 100% POWER. THEY ATTEMPTED TO REDUCE REACTOR PRESSURE TO CLOSE THE VALVE, BUT THE VALVE REMAINED OPENED, SO THE REACTOR WAS MANUALLY SCRAMMED FROM 100% POWER. ALL CONTROL RODS FULLY INSERTED INTO THE CORE. APPROXIMATELY 10 MINS AFTER THE SCRAM, THE REACTOR VESSEL PRESSURE DECREASED TO 500 psig AT WHICH TIME THE OUTBOARD MSIV'S WERE CLOSED. THE SAFETY RELIEF VALVE CONTINUED TO STAY OPEN AFTER THE MSIV'S WERE CLOSED (REACTOR VESSEL PRESSURE CONTINUED TO DECREASE). SAFETY RELIEF VALVE (PSV-41-1F013M) FINALLY CLOSED STABILIZING REACTOR VESSEL PRESSURE AT 370 psig. THE CAUSE OF THE SAFETY RELIEF VALVE FAILING OPEN IS UNKNOWN AND BEING INVESTIGATED. THE RI WAS INFORMED ALONG WITH STATE AND LOCAL AGENCIES. THERE WILL ALSO BE A PRESS RELEASE.

\*\*\*UPDATE AT 14:57 BY KLENK TO GOULD\*\*\* THE PLANT IS GOING TO A COLD S/D CONDITION. THE LICENSEE BELIEVES THAT SAFETY RELIEF VALVE (PSV-41-1F013M) MAY STILL BE OPEN, ALTHOUGH THEY HAVE INDICATIONS THAT THE SAFETY RELIEF VALVE IS CLOSED, SINCE REACTOR VESSEL PRESSURE HAS DECREASED TO 110 psig AND IS CONTINUING TO DECREASE. LICENSEE WILL EXIT THE UNUSUAL EVENT CLASSIFICATION WHEN THEY HAVE PLACED SHUTDOWN COOLING INTO SERVICE. THE RI WAS INFORMED.

\*\*\*UPDATE AT 15:21 BY BRAUN TO GOULD\*\*\* THE LICENSEE UPDATED THIS EVENT TO INCLUDE A TS REQUIRED S/D, DEGRADED CONDITION, AND RPS ACTUATION AS PART OF THEIR REPORTABILITY REQUIREMENTS. THEY ALSO STATED THAT DURING THE TRANSIENT, THE PLANT EXCEEDED THE TS COOLDOWN RATE. THE RI WAS INFORMED.

\*\*\*UPDATE AT 0231 ET 09/12/95 BY JIM HUTTON TAKEN BY MACKINNON\*\*\* UNUSUAL EVENT

Power Reactor

Event # 29316

TERMINATED AT 0227 ET WHEN LICENSEE ESTABLISHED SHUTDOWN COOLING. LICENSEE IS USING "B" RHR PUMP FOR SHUTDOWN COOLING. "A" RHR PUMP SHOWED ABNORMAL FLOW CHARACTERISTICS WHEN RUNNING IN THE SUPPRESSION POOL COOLING MODE OF OPERATION. LICENSEE IS STILL USING "A" RHR PUMP FOR SUPPRESSION COOLING BUT THEY CONSIDER THE PUMP TECHNICALLY INOPERABLE. LICENSEE SAID THAT THEIR OTHER TWO RHR PUMPS ARE FULLY OPERABLE IF NEEDED. ALL OTHER ECCS SYSTEMS, AND THEIR EDGs ARE FULLY OPERABLE. THE SAFETY RELIEF VALVE WHICH OPENED IS LOCATED ON MAIN STEAM LINE "D" AND THE LICENSEE SAID THAT THEY DID NOT KNOW AT THE PRESENT TIME WHY THE SAFETY RELIEF VALVE OPENED. COOLDOWN RATE FOR THE FIRST HOUR AFTER THE REACTOR SCRAM WAS 150 DEGREES F (TECH SPEC LIMIT IS 100 DEGREES F). SHIFT SUPERVISOR WHEN HE CAME ON AT 1830 ET SAID THAT SUPPRESSION POOL TEMPERATURE WAS 108 DEGREES F AND DECREASING (THEY WERE ALREADY IN SUPPRESSION POOL COOLING MODE OF OPERATION). LICENSEE WILL NOTIFY MONTGOMERY COUNTY, CHESTER COUNTY, BERKS COUNTY, AND THE STATE OF PENNSYLVANIA EMERGENCY MANAGEMENT OF THE TERMINATION OF THEIR UNUSUAL EVENT. R1DO (BILL RULAND), EO(JOSE CALVO), & FEMA (BERNICE CARR) NOTIFIED.

RESIDENT INSPECTOR WILL BE NOTIFIED BY THE LICENSEE.

\*\*\* UPDATE 1626 9/12/95 FROM DAVID NEFF BY S.SANDIN \*\*\*

"THIS REPORT PROVIDES A WRITTEN SUMMARY FOLLOWING THE CLOSE OUT OF AN UNUSUAL EVENT IN ACCORDANCE WITH NUREG-0654, APPENDIX 1. BELOW IS A BRIEF DESCRIPTION OF THE EVENT AND THE CLOSE OUT. A LER WILL FOLLOW IN THE REQUIRED TIME FRAME."

"AT 1245 HOURS, ON 9/11/95, WITH UNIT 1 OPERATING AT 100% POWER AND APPROXIMATELY 1005 PSIG REACTOR PRESSURE, MAIN CONTROL ROOM PERSONNEL RECEIVED ALARM AND PARAMETER INDICATIONS THAT THE "M" MAIN STEAM SYSTEM SAFETY RELIEF VALVE (SRV) WAS OPEN. OPERATORS IMMEDIATELY IMPLEMENTED THE APPROPRIATE EMERGENCY OPERATING PROCEDURES. ATTEMPTS TO CLOSE THE SRV WERE UNSUCCESSFUL AND WITHIN TWO MINUTES THE OPERATORS HAD PLACED THE MODE SWITCH IN SHUTDOWN AS REQUIRED BY TECHNICAL SPECIFICATIONS (TS) SECTION 3.4.2 ACTION B. THE OPERATORS CLOSED THE MAIN STEAM ISOLATION VALVES (MSIVs) TO ASSIST IN REDUCING THE DEPRESSURIZATION RATE OF THE REACTOR VESSEL. THE SRV DID NOT RECLOSE UNTIL 1307 HOURS WHEN REACTOR PRESSURE HAD DECREASED TO 410 PSIG. WITH REACTOR PRESSURE AT 410 PSIG, THE COOLDOWN RATE WAS APPROXIMATELY 130 DEG F PER HOUR EXCEEDING THE TS SECTION 3.4.6.1 LIMIT OF 100 DEG F PER HOUR. SUPPRESSION POOL TEMPERATURE REACHED A MAXIMUM OF 124 DEG F DURING THE EVENT. AT APPROXIMATELY 1315 HOURS, UNIT 1 WAS IN A STABLE HOT SHUTDOWN CONDITION WITH THE SRV INDICATING CLOSED, WITH A SLOW DEPRESSURIZATION RATE, AND WITH TWO LOOPS OF SUPPRESSION POOL COOLING IN SERVICE. THERE WAS NO RELEASE OF RADIOACTIVE MATERIAL TO THE ENVIRONMENT AS A RESULT OF THIS EVENT."

"AT 1250 HOURS, PER PROCEDURE ERP-1, "CLASSIFICATION OF EMERGENCIES," THE SHIFT MANAGER DECLARED AN UNUSUAL EVENT (UE) ON UNIT 1 DUE TO THE STUCK OPEN SRV. THE NRC WAS THEN NOTIFIED OF THE DECLARATION OF THE UE AND OF THE MANUAL REACTOR SHUTDOWN PER THE REQUIREMENTS OF 10CFR50.72(a)(1)(i) AND 50.72(b)(2)(ii). THE UE NOTIFICATION WAS UPDATED AT 1450 HOURS TO INDICATE THAT THE REACTOR VESSEL CONTINUED TO SLOWLY DEPRESSURIZE AND THAT THE PLANT WAS PROCEEDING TO COLD SHUTDOWN. THE UE NOTIFICATION WAS FURTHER UPDATED AT 1521 HOURS TO INDICATE THAT THE 100 DEG F PER HOUR COOLDOWN RATE HAD BEEN EXCEEDED. AT 0227 HOURS ON 9/12/95, REACTOR PRESSURE HAD BEEN REDUCED TO BELOW 75 PSIG AND ONE LOOP OF SHUTDOWN COOLING WAS PLACED IN SERVICE. THE EMERGENCY DIRECTOR (SHIFT MANAGER) COMPLETED THE EVENT RECOVERY CHECKLIST AND TERMINATED THE UE AT 0227 HOURS. AT 0430 HOURS UNIT 1 WAS IN COLD SHUTDOWN WITH REACTOR COOLANT AT 194 DEG F."

"EFFORTS CONTINUE TO DETERMINE THE CAUSE OF THE SRV MALFUNCTION."

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Power Reactor

Event # 29316

THE LICENSEE INFORMED STATE, LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED  
R1DO(RULAND).

\*\*\*\*\*

Power Reactor

Event # 29414

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CRYSTAL RIVER               |           | Notification Date / Time: 10/03/1995 23:46 (EDT) |   |
| Unit: 3                           | Region: 2 | State : FL                                       | Event Date / Time: 10/03/1995 23:30 (EDT) |
| Reactor Type: [3] B&W-L-LP        |           | Last Modification: 10/05/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: WILSON           |           | Notifications: MARK LESSER RDO                   |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | DAVID MATTHEWS EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | ED SIMMERS FEMA                                  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 97         | Power Operation | 97         | Power Operation |

- UNUSUAL EVENT DECLARED DUE TO HURRICANE WARNING FOR FLORIDA WEST COAST -

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE ISSUANCE OF A HURRICANE WARNING FOR THE WEST COAST OF FLORIDA DUE TO HURRICANE OPAL.

WINDS AT THE SITE ARE PRESENTLY AT 7 MPH.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0224 ON 10/05/95 BY WILSON TAKEN BY HOO JOLLIFFE \*\*\*

AT 0222 ON 10/05/95, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO THE TERMINATION OF THE HURRICANE WARNING FOR THE WEST COAST OF FLORIDA.

THE PLANT EXPERIENCED MAXIMUM SUSTAINED WINDS OF 35 MPH WITH GUSTS OF 40 MPH. THERE WAS NO DAMAGE TO VITAL PLANT STRUCTURES OR EQUIPMENT. THERE WERE NO PERSONNEL INJURIES.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R2DO WHITE, NRR EO MARSH, AND FEMA CALDWELL OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

Power Reactor

Event # 29417

|  |           |  |   |
|--|-----------|--|---|
| Site: FARLEY   |           | Notification Date / Time: 10/04/1995 11:58 (EDT) |   |
| Unit: 1 2  | Region: 2 | State : AL                                       | Event Date / Time: 10/04/1995 10:16 (CDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP                  |           | Last Modification: 10/05/1995                    |   |
| Containment Type: DRY AMB DRY AMB                    |           |  |   |
| NRC Notified by: PETE WEBB                           |           | Notifications: MARK LESSER RDO                   |   |
| HQ Ops Officer: LEIGH TROCINE                        |           | CHRIS GRIMES (NRR) EO                            |   |
| Emergency Class: UNUSUAL EVENT                       |           | PAUL WRIGHT FEMA                                 |   |
| 10 CFR Section:                                      |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>COMM ASST BRIEF |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO THE THREAT OF HURRICANE OPAL

AT 10:16 CDT, THE LICENSEE DECLARED AN UNUSUAL EVENT BECAUSE HURRICANE OPAL WAS PROJECTED TO AFFECT THE PLANT SITE AND BECAUSE THE HURRICANE WAS DETERMINED TO BE THREATENING. THE LICENSEE IS CURRENTLY PERFORMING SEVERE WEATHER PREPARATIONS. THERE ARE NO PROTECTIVE ACTIONS RECOMMENDED AT THIS TIME, AND A DECISION TO SHUT DOWN UNIT 2 HAS NOT YET BEEN MADE. HURRICANE OPAL IS CURRENTLY EXPECTED TO HIT THE COAST AT APPROXIMATELY 18:00 EDT TODAY, AND THE PLANT SITE IS LOCATED APPROXIMATELY 100 MILES INLAND.

THE LICENSEE NOTIFIED AN NRC ONSITE INSPECTOR (TINGEN), HOUSTON COUNTY IN ALABAMA, EARLY COUNTY IN GEORGIA, AND THE STATES OF ALABAMA AND GEORGIA.

\*\*\* 13:00 OCTOBER 4, 1995, COMMISSIONERS ASSISTANTS' BRIEFING \*\*\*

A COMMISSIONERS ASSISTANTS' BRIEFING WAS CONDUCTED IN ORDER TO DISCUSS THE AFFECTED NUCLEAR POWER PLANTS INCLUDING FARLEY, CRYSTAL RIVER (REFER TO EVENT NUMBER 29414.), AND HATCH. THE FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): ANALYSIS EVALUATION AND OPERATIONAL DATA (\*JORDAN AND \*ROSS), INCIDENT RESPONSE DIVISION (CONGEL, BAILEY, AND GIITTER), CHAIRMAN JACKSON (TSCHILTZ), COMMISSIONER ROGERS (COPLAN), REACTOR EVENTS EXECUTIVE DIRECTOR FOR OPERATIONS (CARPENTER), MATERIALS EXECUTIVE DIRECTOR FOR OPERATIONS (SCHLUETER), NUCLEAR REACTOR REGULATION EMERGENCY OFFICER (CHAFFEE), NUCLEAR MATERIALS SAFETY AND SAFEGUARDS EMERGENCY OFFICER (COOL), PUBLIC AFFAIRS OFFICE (HAYDEN), CONGRESSIONAL AFFAIRS OFFICE (KEELING), SECY (HART), STATE PROGRAMS (\*BANGART), NUCLEAR REACTOR REGULATION (GRIMES AND WEINS), NUCLEAR MATERIALS SAFETY AND SAFEGUARDS (\*BRACH AND \*COMBS), REGION II (COLLINS), REGION IV (COLLINS AND SLARANO), AND REGION II BRIEFER (CHRISTENSEN).

Power Reactor

Event # 29417

AT 11:00 EDT, HURRICANE OPAL WAS LOCATED APPROXIMATELY 283 MILES FROM FARLEY WITH SUSTAINED WINDS OF 150 MILES PER HOUR. THE STORM WAS MOVING NORTH-NORTHEAST AT 23 MILES PER HOUR WITH HURRICANE FORCE WINDS EXTENDING OUT 145 MILES FROM THE CENTER OF THE STORM. REGION II ENTERED THE MONITORING MODE AT 12:10 EDT.

\*\* UPDATE AT 0004 ON 10/05/95 BY VAN LANDINGHAM TAKEN BY HOO JOLLIFFE \*\*

AT 1915 (CDT) ON 10/04/95, UNIT 2 WAS SHUTDOWN TO MODE 3 (HOT STANDBY) DUE TO HURRICANE OPAL.

AT 2255 (CDT) ON 10/04/95, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO THE PASSING OF THE THREAT TO THE PLANT FROM HURRICANE OPAL. THE PLANT EXPERIENCED MAXIMUM SUSTAINED WINDS OF 36 MPH WITH GUSTS TO 60 MPH. THERE WAS NO DAMAGE TO VITAL PLANT STRUCTURES OR EQUIPMENT AND NO PERSONNEL INJURIES.

LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND WILL NOTIFY STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R2DO LESSER, NRR EO MARSH, AND FEMA CANUPP OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

Power Reactor

Event # 29434

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HOPE CREEK                  |            | Notification Date / Time: 10/09/1995 17:41 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : NJ                                       | Event Date / Time: 10/09/1995 16:45 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4            |            | Last Modification: 10/09/1995                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: JAMES COLEMAN    |            | Notifications: JOHN WHITE RDO                    |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH       |            | DAVID MATTHEWS EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | COLEMAN FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 96  | Power Operation | 96         | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT AT 1654 EDT DUE TO UNUSUAL AIRCRAFT ACTIVITY. A WORLD NETHERLANDS AIR FORCE HELICOPTER MADE A FORCED LANDING ON OWNER CONTROLLED PROPERTY JUST NORTH OF THE PROTECTED AREA. THE FORCED LANDING WAS DUE TO A TRANSMISSION PROBLEM WITH THE HELICOPTER. THE CREW IS ATTEMPTING TO REPAIR THE PROBLEM. NO THREAT TO THE PLANT IS ANTICIPATED. THE LICENSEE HAS NOTIFIED STATE AND LOCAL GOVERNMENT AUTHORITIES, AND WILL PROBABLY ISSUE A PRESS RELEASE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1803 EDT FROM COLEMAN TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 1741 EDT. HELICOPTER CREW REPAIRED AND TESTED HELICOPTER AND TOOK OFF. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO (WHITE), NRR EO (MATHEWS) AND FEMA (COLEMAN) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 29461

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SALEM                         |            | Notification Date / Time: 10/15/1995 17:04 (EDT) |   |                 |            |                 |
| Unit: 2                             | Region: 1  | State : NJ                                       | Event Date / Time: 10/15/1995 16:30 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 10/15/1995                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: J SABLA            |            | Notifications: GENE KELLY RDO                    |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON      |            | JOHN ZWOLINSKI EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | GRAY FEMA  |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL      |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | No   | 0   | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED BECAUSE OF GAS ODOR IN UNIT 2 AUXILIARY BUILDING THAT HAS POTENTIAL TO THREATEN PLANT PERSONNEL.

AN AUXILIARY BUILDING CONTRACT ROVING FIRE WATCH, AS A PRECAUTION, WAS TAKEN TO THE SALEM COUNTY MEMORIAL HOSPITAL VIA AN AMBULANCE. THE AUXILIARY BUILDING CONTRACT ROVING FIRE WATCH WAS COMPLAINING OF FEELING NAUSEOUS, DIZZY AND HAVING A HEADACHE AFTER COMPLETING HER SECOND ONE HOUR ROVING FIRE WATCH TOUR ON THE 100' LEVEL OF THE AUXILIARY BUILDING. A DOCTOR AT THE HOSPITAL BELIEVES THAT THE FIRE WATCH WAS OVERCOME BY PAINT FUMES. PSE&G FIRE PROTECTION OPERATOR WORKING IN THE AUXILIARY BUILDING COMPLAINED OF AN UNUSUAL ODOR INSIDE THE AUXILIARY BUILDING WHICH MADE HIM FEEL NAUSEOUS. THE FIRE PROTECTION OPERATOR WAS NOT TAKEN OFFSITE. NOBODY IS INSIDE THE AUXILIARY BUILDING EXCEPT SITE PROTECTION PERSONNEL. SITE PROTECTION PERSONNEL ARE INVESTIGATING THE SOURCE OF THE UNUSUAL ODOR. LICENSEE SAID THAT THEIR CONTAINMENT WAS RECENTLY PAINTED AND THAT MAYBE THE PAINT FUMES FROM CONTAINMENT ARE ENTERING THE AUXILIARY BUILDING VIA AN OPENING BETWEEN CONTAINMENT AND THE AUXILIARY BUILDING. LICENSEE SAID THAT THERE ARE NO NITROGEN GAS LINES OR OTHER GAS CONTAINERS IN THE GENERAL AREA OF THE AUXILIARY BUILDING WHERE THE FIRE WATCH HAD BEEN.

LICENSEE NOTIFIED LOWER ALLOWAYS TOWNSHIP AND THE STATES OF NEW JERSEY AND DELAWARE OF THIS EVENT.

RESIDENT INSPECTOR WILL BE INFORMED OF THIS EVENT BY THE LICENSEE.

\*\*\* UPDATE @ 1909 EDT 10/15/95 BY D. NORGAARD TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 1845 EDT WHEN AIR SAMPLES CONCENTRATIONS TAKEN IN THE AUXILIARY BUILDING WERE FOUND TO BE WELL BELOW OSHA 8 HOUR TIME WEIGHTED AVERAGE LIMIT. FIRE WATCH WAS RELEASED FROM SALEM MEMORIAL HOSPITAL AND IS NOW BACK

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Power Reactor

Event # 29461

ON SITE. LICENSEE'S EMPLOYEE HAS RECOVERED. LICENSEE CONFIRMED THAT THE ODOR INSIDE THE AUXILIARY BUILDING WAS PAINT FUMES COMING FROM CONTAINMENT. LICENSEE NOTIFIED LOWER ALLOWAYS CREEK TOWNSHIP, THE STATES OF NEW JERSEY AND DELAWARE OF THE TERMINATION OF THEIR UNUSUAL EVENT. R1DO (GENE KELLY), EO (JOHN ZWOLINSKI), AND FEMA (CANUPP) NOTIFIED.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\*\*\*

Other Nuclear Material

Event # 29476

|  |  |  |     |
|--|--|--|-----|
| Rep Org: US ARMY (ROCK ISLAND ILLINOIS)  |  | Notification Date / Time: 10/19/1995 14:50 (EDT) |     |
| Licensee: US ARMY (ROCK ISLAND ILLINOIS) |  | Event Date / Time: 10/18/1995 00:00 (CDT)        |     |
| Last Modification: 10/19/1995            |  |  |     |
| Region: 3                                |  | Docket #:  |     |
| City: ROCK ISLAND                        |  | Agreement State: Yes                             |     |
| County:                                  |  | License #: ML12-00722-06                         |     |
| State: IL                                |  |  |     |
| NRC Notified by: TIM MOHS                |  | Notifications: BURDICK                           | RDO |
| HQ Ops Officer: BOB STRANSKY             |  | CAMPER   | EO  |
| Emergency Class: UNUSUAL EVENT           |  |  |     |
| 10 CFR Section:                          |  |  |     |
| 20.2202(a)(2) EXCESSIVE RELEASE          |  |  |     |

THE US ARMY (ROCK ISLAND ILLINOIS) CALLED TO REPORT AN INCIDENT THAT OCCURRED AT FORT IRWIN, CA.

AN EXPLOSION OF AN M109-A3 HOWITZER, SELF PROPELLED, AND AN M584 AMMUNITION CARRIER CAUSED A RELEASE OF AMERICIUM-241 AND TRITIUM FROM VARIOUS PIECES OF EQUIPMENT DESTROYED IN THE EXPLOSION.

THE "A" COMPANY (4/5 FIELD ARTILLERY) OF THE 1ST INFANTRY DIVISION FROM FORT RILEY, KS WAS USING THE LIVE FIRE RANGE AT FORT IRWIN FOR TRAINING EXERCISES. AN EXPLOSION OCCURRED DUE TO THE COOK OFF OF ROUNDS WHICH WAS CAUSED BY THE IMPROPER PLACEMENT OF PROPELLANT BAGS. BOTH VEHICLES WERE DESTROYED. THE EXPLOSION CAUSED THE RELEASE OF RADIOACTIVE MATERIAL AS FOLLOWS:

ONE M43A1 CHEMICAL AGENT ALARM Am-241 250µCi  
ONE M1A1 COLUMNATOR TRITIUM 10Ci  
TWO M140 ALIGNMENT DEVICES TRITIUM 9Ci EACH  
ONE M1A2 GUNNERS QUADRANT TRITIUM 0.075 Ci

FORT IRWIN AND US ARMY SAFETY PERSONNEL ARE LOOKING FOR ANY PIECES OF THE ABOVE MENTIONED SOURCES. NO PERSONNEL INJURIES, CONTAMINATIONS OR EXPOSURES HAVE BEEN REPORTED AS A RESULT OF THIS EVENT. ALL SOURCES INVOLVED IN THIS EVENT WERE ISSUED TO FORT RILEY, KS.

\*\*\*\*\*

Power Reactor

Event # 29491

|                                     |                    |  |   |
|-------------------------------------|--------------------|--|---|
| Site: DIABLO CANYON                 |                    | Notification Date / Time: 10/21/1995 13:05 (EDT) |   |
| Unit: 1                             | Region: 4          | State : CA                                       | Event Date / Time: 10/21/1995 09:51 (PDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                    | Last Modification: 10/21/1995                    |   |
| Containment Type: DRY AMB           |                    |  |   |
| NRC Notified by: ANDERSON           |                    | Notifications: HARRELL                           | RDO                                       |
| HQ Ops Officer: BOB STRANSKY        |                    | MARSH  | EO  |
| Emergency Class: UNUSUAL EVENT      |                    | WITSBURG   | FEMA                                      |
| 10 CFR Section:                     |                    |  |   |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED |  |   |
| 50.72(b)(1)(vi)                     | FIRE (ONSITE)      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED DUE TO FIRE IN AUXILIARY TRANSFORMER AND LOSS OF OFFSITE POWER.

THE LICENSEE DECLARED AN UNUSUAL EVENT WHEN A FIRE OCCURRED IN AUXILIARY TRANSFORMER BANK 1-1, AND OFFSITE POWER TO THE UNIT WAS LOST. THE CALIFORNIA DEPARTMENT OF FORESTRY HAS BEEN CONTACTED TO ASSIST IN FIGHTING THE FIRE. RESIDUAL HEAT REMOVAL WAS INTERRUPTED FOR APPROXIMATELY TWO MINUTES WHEN OFFSITE POWER WAS LOST TO THE UNIT. THE LICENSEE DID NOT OBSERVE A HEATUP OF THE FUEL IN THE REACTOR VESSEL BEFORE RHR WAS RESTORED. THE THREE EMERGENCY DIESEL GENERATORS HAVE STARTED AND ARE SUPPLYING POWER TO VITAL EQUIPMENT LOADS.

UNIT 2 IS NOT AFFECTED BY THIS EVENT. THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE. THE LICENSEE PLANS TO MAKE A PRESS RELEASE.

\*\*\* UPDATE 1350 FROM ANDERSON TAKEN BY STRANSKY \*\*\*

THE UNIT REMAINS IN THE UNUSUAL EVENT. OFFSITE POWER HAS NOT YET BEEN RESTORED. THE FIRE HAS BEEN EXTINGUISHED, AND CLEANUP IS CURRENTLY UNDERWAY. THE LICENSEE REPORTED THAT THE FIRE WAS APPARENTLY CAUSED WHEN WORKERS ATTEMPTED TO PLACE A 25KV TO 12KV STEPDOWN TRANSFORMER INTO SERVICE. THE TRANSFORMER HAD A "GROUND BUGGY" (A MODIFIED BREAKER WHICH SHUNTS THE ELECTRICAL PHASES TO GROUND) INSTALLED ON THE HIGH VOLTAGE SIDE, AND WHEN THE FEEDER WAS ENERGIZED, A PHASE-TO-GROUND FAULT WAS INTRODUCED. THE LICENSEE ESTIMATES THAT OFFSITE POWER WILL NOT BE RESTORED FOR SEVERAL MORE HOURS. NOTIFIED R4DO(HARRELL).

\*\*\* UPDATE @ 0441EDT 10/22/95 BY GOELZER TAKEN BY MACKINNON \*\*\*

UNUSUAL EVENT TERMINATED AT 0429EDT WHEN OFFSITE POWER WAS RESTORED AND THEIR

Power Reactor

Event # 29491

EMERGENCY DIESEL GENERATORS WERE SECURED. LICENSEE IS SUPPLYING OFFSITE ELECTRICAL POWER TO THEIR 4.16KV VITAL BUSES FROM THEIR 230KV STARTUP BUS THROUGH NO. 12 STANDBY STARTUP TRANSFORMER. AUX TRANSFORMER FIRE WAS EXTINGUISHED WITHIN 10 TO 15 MINUTES AFTER IT HAD STARTED. NOBODY WAS INJURED. LICENSEE NOTIFIED THE STATE OF CALIFORNIA, LOCAL COUNTY, AND THE RESIDENT INSPECTOR THAT THE UNUSUAL EVENT HAD BEEN TERMINATED. R4DO (PHIL HARRELL), EO (TAD MARSH) & FEMA (MIKE MOSTELLER) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 29519

|                                       |                      |  |            |                 |            |                 |
|---------------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: LACROSSE                        |                      | Notification Date / Time: 10/28/1995 04:21 (EDT) |            |                 |            |                 |
| Unit: 1                               | Region: 3 State : WI | Event Date / Time: 10/28/1995 00:28 (CDT)        |            |                 |            |                 |
| Reactor Type: [1] AC (ALLIS CHAMBERS) |                      | Last Modification: 10/28/1995                    |            |                 |            |                 |
| Containment Type:                     |                      |  |            |                 |            |                 |
| NRC Notified by: ROBIN DeCLUTE        |                      | Notifications: GARY SHEAR RDO                    |            |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH           |                      | JOHN ZWOLINSKI EO                                |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT        |                      | ED SIMMERS FEMA                                  |            |                 |            |                 |
| 10 CFR Section:                       |                      | HENRY BAILEY AEOD                                |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |                      |  |            |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION  |                      |  |            |                 |            |                 |
| Unit                                  | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                     | N                    | No   | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED AT 0320 CDT DUE TO LOSS OF OFFSITE POWER TO THE SITE.

THE 161-KV OFFSITE FEEDER TO THE PLANT WAS KNOCKED OUT BY THE SMOKE STACKS OF A PASSING BOAT. THE EMERGENCY DIESEL GENERATORS STARTED AUTOMATICALLY TO SUPPLY ESSENTIAL LOADS. SINCE THE UNIT IS DEFUELED, THE MOST IMPORTANT ESSENTIAL LOAD IS SPENT FUEL POOL COOLING, WHICH IS SATISFACTORY. NO INJURIES WERE REPORTED AT THE SITE. OFFSITE POWER IS EXPECTED TO BE RESTORED WITHIN THREE HOURS. RESTORATION OF OFFSITE POWER IS THE CRITERION FOR TERMINATION OF THE UNUSUAL EVENT. LOCAL AND STATE AUTHORITIES HAVE BEEN INFORMED BY THE LICENSEE.

\*\*\* UPDATE AT 0700 EST FROM DeCLUTE TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT WAS TERMINATED AT 0555 CDT BY RESTORATION OF OFFSITE POWER. R3DO (SHEAR), R3 (FARBER), NRR EO (ZWOLINSKI), FEMA (DAMICO), AND AEOD (BAILEY) NOTIFIED.

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Power Reactor

Event # 29561

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HARRIS                      |            | Notification Date / Time: 11/05/1995 09:03 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 2  | State : NC                                       | Event Date / Time: 11/05/1995 08:05 (EST) |                 |            |                 |
| Reactor Type: [1] W-3-LP          |            | Last Modification: 11/05/1995                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: CHRIS GENTILE    |            | Notifications: BRUNO URYC RDO                    |   |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE     |            | LEE SPESSARD (NRR) EO                            |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | STINEDURF FEMA                                   |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

REACTOR TRIP AND UNUSUAL EVENT DUE TO UNPLANNED EMERGENCY CORE COOLING SYSTEM (ECCS) DISCHARGE TO THE VESSEL DURING ROUTINE SURVEILLANCE TESTING OF THE ENGINEERED SAFETY FEATURES (ESF) ACTIVATION SYSTEM

A SPURIOUS REACTOR TRIP AND SAFETY INJECTION OCCURRED DURING ROUTINE ESF ACTIVATION SYSTEM SURVEILLANCE TESTING AT 07:38. SUBSEQUENTLY AT 8:05, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE UNPLANNED ECCS DISCHARGE TO THE VESSEL.

THE FIRST OUT ANNUNCIATOR WAS REACTOR TRIP, STEAM LINE ISOLATION, AND SAFETY INJECTION. ALL RODS FULLY INSERTED, AND ALL ESF EQUIPMENT OPERATED AS EXPECTED. THE CHARGING/HIGH HEAD SAFETY INJECTION PUMPS INJECTED APPROXIMATELY 4,000 TO 5,000 GALLONS OF WATER TO THE VESSEL FOR APPROXIMATELY 20 MINUTES. THE STEAM LINES ISOLATED DURING THE TRANSIENT. STEAM GENERATOR FEEDWATER ALSO ISOLATED DUE TO THE SAFETY INJECTION, AND AUXILIARY FEEDWATER AUTOMATICALLY ACTUATED. THE UNIT ALSO RECEIVED THE FOLLOWING ESF SIGNALS: CONTAINMENT ISOLATION, CONTAINMENT VENTILATION ISOLATION, AND CONTROL ROOM VENTILATION ISOLATION. PRESSURIZER LEVEL CONTINUALLY INCREASED DURING THE TRANSIENT UNTIL THE PRESSURE INCREASED ENOUGH TO LIFT THE POWER OPERATED RELIEF VALVES. THE PRESSURIZER RELIEF TANK RUPTURE DISC SUBSEQUENTLY RUPTURED BUT CAUSED NO CHANGE IN CONTAINMENT PRESSURE, TEMPERATURE, OR RADIATION PARAMETERS.

THE PLANT IS CURRENTLY STABLE IN A HOT STANDBY CONDITION. ALL EMERGENCY DIESEL GENERATORS, SOURCES OF OFFSITE POWER, AND EMERGENCY SERVICE WATER SYSTEMS ARE OPERABLE AND AVAILABLE. PRIMARY INVENTORY, PRESSURE, TEMPERATURE, AND TRANSPORT CONTROL ARE BEING MAINTAINED BY THE USE OF NORMAL CHARGING AND MAKEUP, NORMAL PRESSURIZER HEATERS AND SPRAYS, AND THE REACTOR COOLANT PUMPS. STEAM GENERATOR LEVEL CONTROL IS BEING MAINTAINED BY THE USE OF AUXILIARY FEEDWATER, AND STEAM IS BEING DUMPED TO THE ATMOSPHERE VIA THE POWER OPERATED RELIEF VALVES. (THERE HAS BEEN NO

Power Reactor

Event # 29561

HISTORY OR INDICATION OF ANY STEAM GENERATOR TUBE LEAKS.)

THE REASON THE TESTING CAUSED THE PLANT TRANSIENT IS NOT FULLY UNDERSTOOD AT THIS TIME. THERE WAS A TEST CIRCUIT FAILURE, BUT THE EXTENT AND EXACT DETAILS ARE CURRENTLY UNDER INVESTIGATION. LICENSEE MANAGEMENT IS PRESENT AT THIS TIME AND IS CONSIDERING TERMINATION OF THE UNUSUAL EVENT BECAUSE SAFETY INJECTION HAS BEEN SECURED.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR WHO WAS IN THE CONTROL ROOM AT THE TIME OF THIS NOTIFICATION. THE LICENSEE ALSO NOTIFIED THE STATE AND COUNTY WARNING POINTS.

\*\*\* 09:41 NOVEMBER 5, 1995, UPDATE FROM GENTILE TAKEN BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 09:12 BASED ON THE ECCS DISCHARGE TO THE VESSEL BEING TERMINATED AND THE PLANT BEING STABLE IN MODE 3 (HOT STANDBY). THE CAUSE OF THE SPURIOUS SIGNAL DURING THE TESTING IS UNDER INVESTIGATION.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE AND COUNTY WARNING POINTS. THE NRC OPERATIONS OFFICE NOTIFIED THE R2DO (URYC), NRR EO (SPESSARD), AND FEMA (STINEDURF).

\*\* UPDATE DURING MORNING STATUS ON NOVEMBER 6, 1995, TAKEN BY TROCINE \*\*

A CONTACT ON A BLOCKING RELAY FAILED TO MAKE UP DURING THE ESF ACTIVATION SYSTEM SURVEILLANCE TESTING, AND THIS CAUSED A MAIN STEAM ISOLATION VALVE TO CLOSE. THE SUBSEQUENT STEAM GENERATOR PRESSURE TRANSIENT INITIATED THE SAFETY INJECTION AND REACTOR TRIP. THE NRC OPERATIONS CENTER NOTIFIED THE R2D0 (URYC).

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Power Reactor

Event # 29583

|  |           |  |   |
|--|-----------|--|---|
| Site: HOPE CREEK                       |           | Notification Date / Time: 11/10/1995 15:12 (EST) |   |
| Unit: 1                                | Region: 1 | State : NJ                                       | Event Date / Time: 11/10/1995 14:22 (EST) |
| Reactor Type: [1] GE-4                 |           | Last Modification: 11/11/1995                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: JOHN JACKSON          |           | Notifications: JOHN KINNEMAN RDO                 |   |
| HQ Ops Officer: RUDY KARSCH            |           | JACK ROE EO                                      |   |
| Emergency Class: UNUSUAL EVENT         |           | JOHN DAMICO FEMA                                 |   |
| 10 CFR Section:                        |           | LARRY NICHOLSON                                  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 86         | Power Operation | 77         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A TECH SPEC REQUIRED SHUT DOWN, LOSS OF PRIMARY CONTAINMENT INTEGRITY.

A ONE HOUR LCO PER TECH SPEC 3.6.1.1 WAS ENTERED AT 1344 EST DUE TO A SURVEILLANCE TEST FAILURE. THE TEST WAS AN 18 MONTH DRYWELL TO SUPPRESSION CHAMBER BYPASS LEAK TEST IN ACCORDANCE WITH TECH SPEC 4.6.2.1.e. THE TEST ESTABLISHES A DIFFERENTIAL PRESSURE BETWEEN THE DRYWELL AND THE SUPPRESSION CHAMBER AND QUANTIFIES THE LEAKAGE RATE. THE TEST WAS ABORTED BY THE LICENSEE DUE TO INABILITY TO ESTABLISH THE REQUIRED DIFFERENTIAL PRESSURE.

TECH SPEC 3.6.1.1 ACTIONS REQUIRE PRIMARY CONTAINMENT BE RESTORED WITHIN ONE HOUR OR BE IN AT LEAST HOT SHUTDOWN WITHIN THE NEXT 12 HOURS AND COLD SHUTDOWN WITHIN THE FOLLOWING 24 HOURS. THE LICENSEE SUSPECTS A LEAKING VACUUM BREAKER.

A UNIT SHUT DOWN IS IN PROGRESS. REFUELING OUTAGE #6 WAS SCHEDULED TO START ON 11/11/95.

PRIOR TO THE EVENT THE FOLLOWING EQUIPMENT WAS ALSO INOPERABLE: THE "A" STATION SERVICE WATER LOOP AND THE "D" STANDBY GAS TREATMENT SYSTEM RECIRC FAN.

THE LICENSEE HAS NOTIFIED LOWER ALLOWAYS CREEK TOWNSHIP, NEW JERSEY AND DELAWARE AND MAY ISSUE A PRESS RELEASE. THE LICENSEE ALSO INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2112 EST ON 11/10, FROM MIKE CHARLES TAKEN BY KARSCH \*\*\*

THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT WHEN THE PLANT REACHES A COLD SHUTDOWN CONDITION. THIS IS EXPECTED AT 0800 EST ON 11/11/95. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R1DO (KINNEMAN) NOTIFIED.

05/19/2005

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Power Reactor

Event # 29583

\*\*\* UPDATE AT 02:15 11/11/95 FROM CHARLES TAKEN BY SEBROSKY \*\*\*

AT 01:45 THE LICENSEE MANUALLY SCRAMMED THE PLANT FROM 18% POWER IN ACCORDANCE WITH THEIR OPERATING PROCEDURES. R1DO(KINNEMAN) NOTIFIED.

\*\*\* UPDATE AT 1648 EST ON 11/11/95 FROM HANDRICKS TAKEN BY KARSCH \*\*\*

THE LICENSEE ANTICIPATES REACHING COLD SHUTDOWN BY 1900 EST. A PRESS RELEASE WILL BE ISSUED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.  
R1DO (KINNEMAN) NOTIFIED.

\*\*\* UPDATE AT 2027 EST FROM PRICE TAKEN BY KARSCH \*\*\*

THE PLANT REACHED COLD SHUTDOWN AT 2008 EST. THE UNUSUAL EVENT WAS TERMINATED AT THAT TIME. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.  
R1DO (KINNEMAN), NRR EO (ROE), FEMA (DAMICO) NOTIFIED.

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Power Reactor

Event # 29645

|                                      |           |  |   |
|--------------------------------------|-----------|--|---|
| Site: SEQUOYAH                       |           | Notification Date / Time: 11/27/1995 16:02 (EST) |   |
| Unit: 1                              | Region: 2 | State : TN                                       | Event Date / Time: 11/27/1995 15:20 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP  |           | Last Modification: 11/27/1995                    |   |
| Containment Type: ICE COND           |           |  |   |
| NRC Notified by: THOMAS B. MARSHALL  |           | Notifications: MILTON SHYMLOCK (R2) RDO          |   |
| HQ Ops Officer: LEIGH TROCINE        |           | ELINOR ADENSAM (NRR) EO                          |   |
| Emergency Class: UNUSUAL EVENT       |           | GARY BELCHER FEMA                                |   |
| 10 CFR Section:                      |           | ROGER HANNAH (R2) PAO                            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |           | JOE GIITTER (ACTING) ERB                         |   |
| 50.72(b)(2)(ii) ESF ACTUATION        |           |  |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 1          | Startup         |

# UNUSUAL EVENT DECLARED BASED ON POTENTIAL DEGRADATION OF PLANT SAFETY DUE TO ARCING ON THE UNIT 1 GENERATOR EXCITER

AT APPROXIMATELY 1512, THE LICENSEE STARTED TO REDUCE REACTOR POWER FROM 100% DUE TO BALANCE-OF-PLANT INDICATION SWINGS. (BALANCE-OF-PLANT SYSTEMS WERE STABLE.) ARCING WAS DISCOVERED IN THE GENERATOR EXCITER AT 1515, AND A NOTICE OF UNUSUAL EVENT WAS DECLARED AT 1520 BASED ON POTENTIAL DEGRADATION OF PLANT SAFETY. UNIT 1 POWER WAS REDUCED TO LESS THAN 50%, AND THE LICENSEE MANUALLY TRIPPED THE TURBINE WITH THE REACTOR AT APPROXIMATELY 45% POWER. (AN AUTOMATIC REACTOR TRIP ON A TURBINE TRIP OCCURS WHEN THE REACTOR IS AT GREATER THAN 50% POWER.) THE UNUSUAL EVENT WAS TERMINATED AT 1539 WHEN THE EXCITER FIELD BREAKER WAS OPENED. FOLLOWING THE TURBINE TRIP, BOTH STEAM GENERATOR FEEDWATER PUMPS WERE TRIPPED. THIS IN TURN CAUSED AN AUTOMATIC START SIGNAL FOR THE AUXILIARY FEEDWATER SYSTEM WHICH HAD PREVIOUSLY BEEN STARTED MANUALLY. OTHER THAN THE ARCING IN THE GENERATOR EXCITER, ALL SYSTEMS FUNCTIONED AS REQUIRED. A FOLLOWUP INVESTIGATION IS CURRENTLY IN PROGRESS.

THE UNIT IS CURRENTLY STABLE AT APPROXIMATELY 1% REACTOR POWER IN MODE 2. AUXILIARY FEEDWATER IS BEING SUPPLIED TO THE STEAM GENERATORS, AND SECONDARY STEAM IS BEING DUMPED TO THE CONDENSER. PRESSURIZER HEATERS AND SPRAYS, NORMAL CHARGING AND LETDOWN, AND THE REACTOR COOLANT PUMPS ARE BEING USED FOR PRIMARY PRESSURE, INVENTORY, AND TRANSPORT CONTROL. OFFSITE POWER IS AVAILABLE, AND THE EMERGENCY DIESEL GENERATORS ARE OPERABLE.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE. THE LICENSEE ALSO PLANS TO ISSUE A PRESS RELEASE.

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Power Reactor

Event # 29696

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: LIMERICK                    |            | Notification Date / Time: 12/10/1995 12:25 (EST) |   |                 |            |                 |
| Unit: 2                           | Region: 1  | State : PA                                       | Event Date / Time: 12/10/1995 11:58 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 12/11/1995                    |   |                 |            |                 |
| Containment Type: MARK II         |            |  |   |                 |            |                 |
| NRC Notified by: STEWART          |            | Notifications: PASCIAK                           | RDO                                       |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY      |            | WESSMAN  | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | MIKE   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) FIRE (ONSITE)     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO FIRE ONSITE.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A FIRE LASTING LONGER THAN 10 MINUTES IN THE D23 EMERGENCY DIESEL GENERATOR BAY. THE FIRE WAS IN AN OVERHEAD LIGHTING FIXTURE AND DID NOT AFFECT THE DIESEL GENERATOR. THE FIRE HAS BEEN EXTINGUISHED, BUT THE LICENSEE IS WAITING TO SEE IF IT REFLASHES BEFORE EXITING THE UNUSUAL EVENT. THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

\*\*\* UPDATE 1234 12/10/95, FROM STEWART TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT HAS BEEN TERMINATED. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R1DO (PASCIAK), EO (WESSMAN), FEMA (MIKE).

\*\*\* UPDATE AT 1118 EST ON 12/11/95, FROM NEFF TAKEN BY KARSCH \*\*\*

THE LICENSEE SUBMITTED A SUMMARY REPORT VIA TELEFAX IN ACCORDANCE WITH NUREG-0654, APPENDIX 1. THE LICENSEE STATED THAT FURTHER WRITTEN REPORTS (eg. 10 CFR 50.73) ARE NOT REQUIRED AS A RESULT OF THIS EVENT. DAMAGE WAS CONFINED TO THE IMMEDIATE AREA OF THE LIGHTING FIXTURE, ACCESS TO THE AREA WAS NEVER INHIBITED DUE TO SMOKE, AND NO PCBs WERE INVOLVED IN THE FIRE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. HOO NOTIFIED R1DO (PASCIAK) AND NRR EO (CHAFFEE).

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Power Reactor

Event # 29722

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HARRIS                      |           | Notification Date / Time: 12/14/1995 18:25 (EST) |   |
| Unit: 1                           | Region: 2 | State : NC                                       | Event Date / Time: 12/14/1995 17:45 (EST) |
| Reactor Type: [1] W-3-LP          |           | Last Modification: 12/14/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: RANDY OWENS      |           | Notifications: CHUCK CASTO RDO                   |   |
| HQ Ops Officer: JOHN MacKINNON    |           | JACK STROSNIDER EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CARR FEMA  |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AND TERMINATED AT 1745 AFTER A RAILWAY CAR, USED BY CP&L TO TRANSPORT SPENT FUEL, DERAILED.

A RAILWAY CAR, USED BY CP&L TO TRANSPORT SPENT FUEL, WITH EMPTY CASKS (HAD BEEN USED BEFORE TO TRANSPORT SPENT FUEL) ON IT, HAD 4 OF ITS 8 WHEELS SLIP OFF THE TRACK, CAUSING A DERAILMENT INSIDE THE EXCLUSION AREA BOUNDARY. THE CAR IS STABLE AND UPRIGHT. IT WAS MOVING VERY SLOWLY WHEN THE WHEELS SLIPPED OFF THE TRACK AND WAS THEN IMMEDIATELY STOPPED. THE WHEELS SLIPPED OFF THE TRACK AT 1400 HOURS, BUT THE LICENSEE DETERMINED IT TO BE DERAILED AT 1745 HOURS. THE CAR IS LOCATED OUTSIDE THE PROTECTED AREA BOUNDARY. NO PLANT DAMAGE OR PERSONNEL INJURY HAS OCCURRED. THE UNUSUAL EVENT WAS TERMINATED BECAUSE THE TRAIN WAS STOPPED, UPRIGHT AND STABLE. RADIATION SURVEYS AROUND THE CAR WERE BEING TAKEN. SITE SECURITY WILL PATROL THE AREA UNTIL THE CAR DERAILMENT HAS BEEN CORRECTED. THE CAR DERAILED OFF THE LICENSEES' SPUR LINE (A BROKE TIE CAUSED THE CAR TO DERAIL). THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

RESIDENT INSPECTOR WAS INFORMED OF THIS EVENT BY THE LICENSEE.

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Power Reactor

Event # 29732

| Site: DRESDEN                            |            |         |            | Notification Date / Time: 12/17/1995 06:55 (EST) |            |                 |
|--|------------|---------|------------|--|------------|-----------------|
| Unit: 2 3 Region: 3 State : IL           |            |         |            | Event Date / Time: 12/17/1995 05:15 (CST)        |            |                 |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |            |         |            | Last Modification: 12/17/1995                    |            |                 |
| Containment Type: MARK I MARK I          |            |         |            |  |            |                 |
| NRC Notified by: DAVID THRONE            |            |         |            | Notifications: THOMAS KOZAK/R3 RDO               |            |                 |
| HQ Ops Officer: LEIGH TROCINE            |            |         |            | JACK STROSNIDER/NRR EO                           |            |                 |
| Emergency Class: UNUSUAL EVENT           |            |         |            | E. CAUPP FEMA                                    |            |                 |
| 10 CFR Section:                          |            |         |            | C. HAUGHNEY/NMSS EO                              |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |         |            | HENRY BAILEY ERB                                 |            |                 |
| Unit                                     | Scram Code | RX Crit | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2  | N          | No      | 0          | Refueling  | 0          | Refueling       |
| 3  | N          | Yes     | 98         | Power Operation                                  | 98         | Power Operation |

# DECLARATION OF AN UNUSUAL EVENT DUE TO THE DETECTION OF POTENTIALLY FLAMMABLE GASES ACCUMULATING IN THE AREAS OF THE RAD WASTE BUILDING

AT 0515 CST, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE PRESENCE OF POTENTIALLY FLAMMABLE GASES ACCUMULATING IN THE AREAS OF THE RAD WASTE BUILDING. IT IS BELIEVED THAT THE GASES ARE EMANATING FROM AN UNDERGROUND HYDROGEN SUPPLY LINE THAT FEEDS THE UNIT 2 MAIN GENERATOR FROM THE HYDROGEN TANK FARM. THE POTENTIAL SOURCE HAS BEEN ISOLATED AND WILL BE REMOVED FROM SERVICE. PRELIMINARY INDICATIONS SHOW THAT THE GASES ARE DISPERSING, BUT THE GASES ARE STILL BEING DETECTED IN VARIOUS AREAS (PRIMARILY AT HIGHER ELEVATIONS). ADDITIONAL MONITORING EQUIPMENT IS BEING BROUGHT TO THE SITE TO FURTHER EVALUATE THE IDENTIFICATION OF THE GASES, AND IT IS EXPECTED TO ARRIVE ON SITE BY 0700 CST. THE AFFECTED BUILDING'S ACCESS ROLL-UP DOORS HAVE BEEN OPENED TO AID IN THE DISPERSION OF THE GASES, AND PERSONNEL ACCESS HAS BEEN RESTRICTED. THERE HAVE BEEN NO PERSONNEL INJURIES AS A RESULT OF THIS EVENT. THE APPLICABLE RADIATION MONITORS DID NOT ALARM AND WERE UNAFFECTED BY THE GASES, AND NO TECHNICAL SPECIFICATION LIMITING CONDITIONS FOR OPERATION WERE ENTERED.

THE EMERGENCY ACTION LEVEL FOR DECLARATION OF THE UNUSUAL EVENT WAS H.U.6 (TOXIC OR FLAMMABLE GAS RELEASE AFFECTING PLANT OPERATIONS), AND THE INITIATING CONDITION WAS THE DETECTION OF TOXIC (COULD PRODUCE WORKER INCAPACITATION) OR FLAMMABLE GASES THAT MAY BE DETRIMENTAL TO SAFE OPERATION OF THE PLANT. THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT WHEN THE ATMOSPHERE IS NO LONGER ALARMING THE DETECTION INSTRUMENTS.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE OF THIS EVENT.

\*\*\*UPDATE 12/17/95, @ 1251 EST BY BOB SCOTT TAKEN BY MACKINNON\*\*\*

Power Reactor

Event # 29732

THE UNUSUAL EVENT WAS TERMINATED AT 1115 CST WHEN ALL HYDROGEN CONCENTRATION READINGS IN THE RAD WASTE BUILDING INDICATED HYDROGEN LEVELS TO BE AT 0% LOWER EXPLOSIVE LIMIT. THE LICENSEE FOUND THAT THE HYDROGEN SUPPLY TO THE UNIT 2 MAIN GENERATOR HAD A LEAK. THE LEAK WAS ISOLATED, AND THE RAD WASTE BUILDING WAS VENTILATED TO REMOVE HYDROGEN FROM THE BUILDING.

THE HIGHEST HYDROGEN LEVEL IN THE RAD WASTE BUILDING WAS APPROXIMATELY 1.4%. THE LICENSEE ORIGINALLY THOUGHT THERE WERE HIGHER HYDROGEN CONCENTRATION LEVELS IN THE RAD WASTE BUILDING BECAUSE THE INDICATION OF THE DETECTION INSTRUMENT (HAND HELD EXPLOSIVE METER) WAS PEGGED HIGH OFFSCALE. THE HAND HELD EXPLOSIVE METER WAS CALIBRATED FOR READING HYDROGEN SULFIDE. A CORRECTION TO THE HAND HELD EXPLOSIVE METER HAD TO BE MADE PER A GRAPH TO GET THE REAL HYDROGEN CONCENTRATION LEVELS IN THE RAD WASTE BUILDING. AFTER MAKING THE CORRECTION, THE HYDROGEN CONCENTRATION LEVELS WERE FOUND TO BE APPROXIMATELY 1.4%.

THE LICENSEE NOTIFIED THE RESIDENT INSPECTOR AND THE STATE THAT THE UNUSUAL EVENT HAD BEEN TERMINATED. THE R3DO (TOM KOZAK), NRR EO (JACK STROSNIDER), FEMA (WITSBERGER), AND ERB (HENRY BAILEY) WERE NOTIFIED BY THE NRC OPERATIONS CENTER.

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Power Reactor

Event # 29739

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: RIVER BEND                  |            | Notification Date / Time: 12/19/1995 12:13 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 4  | State : LA                                       | Event Date / Time: 12/19/1995 10:47 (CST) |                 |            |                 |
| Reactor Type: [1] GE-6            |            | Last Modification: 12/19/1995                    |   |                 |            |                 |
| Containment Type: MARK III        |            |  |   |                 |            |                 |
| NRC Notified by: TURNER           |            | Notifications: YANDELL                           | RDO                                       |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY      |            | DENNIG   | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | D'AMICO  | FEMA                                      |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | M/R        | Yes  | 85  | Power Operation | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED DUE TO UNIDENTIFIED DRYWELL LEAKAGE GREATER THAN FIVE GPM.

AT 1047, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO DRYWELL UNIDENTIFIED LEAKAGE OF GREATER THAN FIVE GPM. THE LICENSEE HAD BEEN MONITORING AN INCREASING TREND IN DRYWELL UNIDENTIFIED LEAKAGE BEFORE THE EVENT. (THE UNIDENTIFIED LEAKAGE HAD BEEN CALCULATED TO BE APPROXIMATELY 2.5 GPM).

THIS MORNING, THE 'B' REACTOR RECIRCULATION PUMP TRIPPED WITHOUT PRIOR WARNING, THEN FAILED TO RESTART IN SLOW SPEED. ADDITIONALLY, THE 'A' PUMP SHIFTED TO SLOW SPEED. AT 0841, OPERATORS MANUALLY SCRAMMED THE PLANT TO PREVENT ENTRY INTO THE POTENTIAL INSTABILITY REGION OF THE POWER/FLOW MAP. THE SCRAM WAS UNCOMPLICATED, WITH ALL RODS INSERTING PROPERLY. FOLLOWING THE SCRAM, REACTOR WATER LEVEL DECREASED TO THE LEVEL 3 SETPOINT (DUE TO NORMAL SHRINK), AND THE LICENSEE ENTERED THE EMERGENCY PROCEDURES. FEEDWATER FLOW WAS INCREASED, AND THE FEEDWATER PUMPS SUBSEQUENTLY TRIPPED AT THE REACTOR VESSEL HIGH LEVEL (LEVEL 8) SETPOINT. DUE TO THE INJECTION OF COLD WATER, REACTOR PRESSURE DECREASED RAPIDLY, AND OPERATORS CLOSED THE MAIN STEAM ISOLATION VALVES TO RECOVER PRESSURE AND CONTROL THE COOLDOWN RATE.

APPROXIMATELY ONE HOUR AFTER THE SCRAM, THE LICENSEE NOTICED AN INCREASE IN UNIDENTIFIED LEAKAGE TO APPROXIMATELY 5.0 GPM. UNIDENTIFIED LEAKAGE INCREASED TO A MAXIMUM OF 5.6 GPM, BEFORE DECREASING TO THE PRESENT LEVEL OF 4.6 GPM. THE LICENSEE CONTINUES TO MONITOR THE LEAKAGE, AND IS PREPARING TO MAKE A DRYWELL ENTRY TO IDENTIFY THE SOURCE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\* UPDATE 1341 12/19/95 FROM TURNER TAKEN BY STRANSKY \*\*\*

THE DRYWELL ENTRY IS STILL ONGOING; HOWEVER, THE LICENSEE REPORTED THAT THE HPCS INJECTION CHECK VALVE APPEARS TO BE THE SOURCE OF THE EXCESSIVE LEAKAGE. THE LICENSEE

Power Reactor

Event # 29739

CONTINUES TO MONITOR UNIDENTIFIED LEAKAGE AND IS LOOKING FOR OTHER SOURCES OF LEAKAGE IN THE DRYWELL. THE PLANT REMAINS IN THE UNUSUAL EVENT WHILE THESE ACTIVITIES CONTINUE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R4DO(YANDELL).

\* \* \* UPDATE 1633 12/19/95 FROM TURNER TAKEN BY STRANSKY \* \* \*

THE UNUSUAL EVENT WAS TERMINATED AT 1526 CST. LEAKAGE FROM THE HPCS INJECTION CHECK VALVE WAS STOPPED BY CLOSING A MANUAL ISOLATION VALVE. THE LICENSEE PLANS TO REPAIR THE CHECK VALVE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R4DO(YANDELL), EO(HOLAHAN), FEMA(AUSTIN).

\*\*\*\*\*

Power Reactor

Event # 29771

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WATERFORD                   |           | Notification Date / Time: 12/27/1995 18:58 (EST) |   |
| Unit: 3                           | Region: 4 | State : LA                                       | Event Date / Time: 12/27/1995 17:40 (CST) |
| Reactor Type: [3] CE              |           | Last Modification: 12/28/1995                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: BRIAN HOOD       |           | Notifications: BLAINE MURRAY RDO                 |   |
| HQ Ops Officer: JOHN MacKINNON    |           | PHIL MCKEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | SULLIVAN FEMA                                    |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO INCREASED AWARENESS BY PLANT STAFF OF A NATURAL GAS LEAK FROM THE SUPPLY LINE TO WATERFORD UNITS 1 & 2.

THE LICENSEE WAS NOTIFIED OF A NATURAL GAS LEAK FROM THE SUPPLY LINE TO WATERFORD UNITS 1 & 2. WATERFORD UNITS 1 & 2 CAN USE EITHER NATURAL GAS OR OIL AS FUEL TO GENERATE ELECTRICITY. IT WILL TAKE TWO TO THREE HOURS TO REPAIR THE LEAK. NO NATURAL GAS FUMES HAVE BEEN DETECTED AT THE WATERFORD UNIT 3 SITE, AND THIS GAS LEAK DOES NOT POSE ANY THREAT TO PERSONNEL COMING TO OR LEAVING THE PLANT SITE. WATERFORD UNITS 1 & 2 ARE LESS THAN ONE MILE FROM WATERFORD UNIT 3. THE LICENSEE ENTERED ITS EMERGENCY PLAN FOR TOXIC/CHEMICAL EMERGENCY, "EB1-004," (INCREASED AWARENESS OF PLANT STAFF, STATE, & LOCAL OFFICIALS). THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED OF THIS EVENT.

\*\*\* UPDATE AT 0000 ON 12/28/95, FROM BAKER TAKEN BY MACKINNON \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2240 CST ON 12/27/95. A COMPRESSION FITTING ON A NATURAL GAS VENT LINE HAS BEEN REPLACED, AND THE LEAK HAS BEEN STOPPED. THE NRC RESIDENT INSPECTOR WILL BE INFORMED. NOTIFIED R4DO (MURRAY), FEMA (WITZENBERG).

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Power Reactor

Event # 29784

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: LIMERICK                    |           | Notification Date / Time: 01/01/1996 10:30 (EST) |   |
| Unit: 1                           | Region: 1 | State : PA                                       | Event Date / Time: 01/01/1996 10:20 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 01/01/1996                    |   |
| Containment Type: MARK II         |           |  |   |
| NRC Notified by: STAN GAMBLE      |           | Notifications: HAROLD GRAY RDO                   |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | PHILLIP MCKEE EO                                 |   |
| Emergency Class: UNUSUAL EVENT    |           | BOB CALDWELL FEMA                                |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- LICENSEE DISCOVERED A POTENTIAL BOMB TYPE OBJECT INSIDE A BATTERY ROOM -

A PLANT SECURITY GUARD DISCOVERED A 2 INCH DIAMETER BY 24 INCH LONG THIN CARDBOARD TUBE WITH AN 8 INCH WHITE STRAP PROTRUDING FROM ONE END IN THE #1D SAFEGUARDS BATTERY ROOM ON THE GROUND FLOOR OF THE CONTROL BUILDING.  
AS A PRECAUTION, LICENSEE IS TREATING THIS OBJECT AS A POTENTIAL BOMB UNTIL ITS CONTENTS CAN BE DETERMINED BUT CONSIDERS THIS EVENT TO BE A PRANK AT THE PRESENT TIME.

AT 1020 ON 01/01/96, LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE DISCOVERY OF THIS POTENTIAL BOMB.

LICENSEE IS INSPECTING OTHER AREAS OF THE PLANT FOR ANY SIMILAR DEVICES.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

LICENSEE WILL ISSUE A PRESS RELEASE.

AT 1120, A CONFERENCE CALL WITH THE FOLLOWING INDIVIDUALS WAS ESTABLISHED: REGION I - WALT PASCIAK, RICK KEIMIG (IAT), HAROLD GRAY (RDO), JIM WIGGINS, DICK COOPER, BILL KANE, DIANE SCRENCI, TED EASLICK (RI), GREG GORDON;  
NRR - PHIL MCKEE (EO), GENE McPEEK (IAT); NMSS - JOHN DAVIDSON (IAT);  
AEOD - RICH BARRETT; LICENSEE - STAN GAMBLE (SHIFT MANAGER).

AT 1210, TUBE WAS X-RAYED AND FOUND TO CONTAIN ONLY PAPER.

AT 1242, AEOD RICH BARRETT AND NRR EO PHIL MCKEE NOTIFIED EDO REPRESENTATIVE VICTOR

Power Reactor  
McCREE OF THIS EVENT.

Event # 29784

\*\*\* UPDATE AT 1330 FROM GAMBLE TAKEN BY KARSCH \*\*\*

AT 1325, LICENSEE TERMINATED THE UNUSUAL EVENT AFTER THEY DETERMINED THAT THE SUSPECT OBJECT WAS NOT A BOMB. THE TUBE WAS FILLED WITH PAPER TRASH. A SEARCH OF THE SITE (BOTH UNITS) FOUND NO OTHER SUSPECT OBJECTS.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

HOO NOTIFIED R1DO GRAY, NRR EO McKEE, AND FEMA AUSTIN.

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Power Reactor

Event # 29798

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 01/04/1996 23:07 (EST) |   |
| Unit: 2                           | Region: 2 | State : NC                                       | Event Date / Time: 01/04/1996 22:40 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 01/04/1996                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: ROBERT           |           | Notifications: CHRIS CHRISTENSEN RDO             |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | WILLIAM BATEMAN EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | KANUPP FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 67         | Power Operation | 67         | Power Operation |

THE PLANT ENTERED AN UNUSUAL EVENT DUE TO THE LOSS OF ALL AUDIBLE ANNUNCIATORS ON THE MAIN CONTROL PANELS.

THE PLANT HAS LOST ALL AUDIBLE ANNUNCIATION ON THE MAIN CONTROL PANELS, BUT VISIBLE ANNUNCIATION IS STILL OPERABLE. THERE ARE NO TRANSIENTS GOING ON AT THE PLANT AT THIS TIME AND THEY ARE INVESTIGATING THE CAUSE. NO LCOS HAVE BEEN ENTERED. THE RI, STATE AND LOCAL AGENCIES HAVE BEEN NOTIFIED ALONG WITH THE COAST GUARD.

\*\*\*UPDATE 01/04/96 2351 ET BY ROBERT TAKEN BY MACKINNON\*\*\*

LICENSEE FOUND THAT THE RELAY THAT HANDLES THE AUDIBLE ANNUNCIATION IS BROKEN AND HAS TO BE REPLACED. LICENSEE WILL REMAIN IN THE UNUSUAL EVENT CLASSIFICATION UNTIL THE RELAY HAS BEEN REPAIRED/REPLACED.

\*\*\*UPDATE 01/05/96 0224 ET BY ROBERT TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 0224 ET WHEN AUDIBLE PORTION OF THE ANNUNCIATORS WAS RESTORED TO SERVICE. AUDIBLE ANNUNCIATOR RELAY (GENERAL ELECTRIC CR-120 RELAY) WAS REPLACED. ONE OF THE RELAY CONNECTORS HAD CRACKED DUE TO FATIGUE FAILURE. RELAY LOOKS LIKE IT WAS ORIGINALLY INSTALLED WHEN THE PLANT WAS BUILT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS THAT THE UNUSUAL EVENT HAD BEEN TERMINATED. R2DO (CHRIS CHRISTENSEN), NRR EO (BILL BATEMAN), & FEMA (STEINDURF) NOTIFIED.

RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

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Power Reactor

Event # 29844

|  |           |  |   |
|--|-----------|--|---|
| Site: PALISADES                        |           | Notification Date / Time: 01/16/1996 21:17 (EST) |   |
| Unit: 1                                | Region: 3 | State : MI                                       | Event Date / Time: 01/16/1996 21:00 (EST) |
| Reactor Type: [1] CE                   |           | Last Modification: 01/16/1996                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: TOM STEFFLER          |           | Notifications: BRUCE JORGENSEN RDO               |   |
| HQ Ops Officer: DICK JOLLIFFE          |           | FRED HEBDON, NRR EO                              |   |
| Emergency Class: UNUSUAL EVENT         |           | PAUL WRIGHT FEMA                                 |   |
| 10 CFR Section:                        |           | HENRY BAILEY AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 99         | Power Operation |

- UE DUE TO TS REQD PLANT SHUTDOWN DUE TO 2 OF 3 OFFSITE POWER BUSES INOP -

AT 0537 ON 01/16/96, AN ELECTRICAL FAULT OCCURRED FOR UNKNOWN REASONS ON ONE OF TWO 2400 VAC CLASS 1E SAFEGUARDS OFFSITE POWER BUSES (#1D) WHICH CAUSED THE LOSS OF ONE OF ONE 2400 VAC NON-CLASS 1E STATION OFFSITE POWER BUS (#1E). AN AUTOMATIC FAST TRANSFER OCCURRED FROM THE 2400 VAC CLASS 1E SAFEGUARDS OFFSITE POWER BUS TO THE 2400 VAC CLASS 1E STARTUP OFFSITE POWER BUS. 2400 VAC CLASS 1E SAFEGUARDS OFFSITE POWER BUS #1C IS OPERABLE.

TECH SPEC LCO A/S 3.7.2 REQUIRES LICENSEE TO TEST THEIR EDGs AND TO RESTORE THE OFFSITE POWER BUSES TO OPERABLE STATUS WITHIN 24 HOURS OR PLACE THE PLANT IN AT LEAST HOT SHUTDOWN MODE WITHIN THE FOLLOWING 12 HOURS.

LICENSEE SATISFACTORILY TESTED TWO OF TWO EDGs AND IS INVESTIGATING THE CAUSE OF THE FAULT.

AT 2100 ON 01/16/96, AFTER DETERMINING THAT THEY PROBABLY WOULD NOT BE ABLE TO RESTORE THE OFFSITE POWER BUSES TO OPERABLE STATUS WITHIN THE REQUIRED 24 HOUR PERIOD, LICENSEE BEGAN SHUTTING THE PLANT DOWN AND DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT SHUTDOWN.

LICENSEE IS SHUTTING THE PLANT DOWN AT THE RATE OF 12% PER HOUR AND ANTICIPATES BEING SHUTDOWN BY 0500 ON 01/17/96.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1613 BY DICK MASSA ENTERED BY HOO JOLLIFFE \*\*\*

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Power Reactor

Event # 29844

AT 1605, WITH THE PLANT IN MODE 3 (HOT SHUTDOWN), LICENSEE TERMINATED THE UNUSUAL EVENT.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTIFIED R3DO BRUCE JORGENSEN, NRR EO FRED HEBDON AND FEMA SULLIVAN.

\*\*\*\*\*

Power Reactor

Event # 29852

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: BRAIDWOOD                     |            |           |            | Notification Date / Time: 01/18/1996 14:03 (EST) |            |   |
| Unit: 2                             |            | Region: 3 |            | State : IL                                       |            | Event Date / Time: 01/18/1996 12:32 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 01/20/1996                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: W BEST             |            |           |            | Notifications: BRUCE JORGENSEN RDO               |            |   |
| HQ Ops Officer: JOHN MacKINNON      |            |           |            | AL CHAFFEE EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | CARR FEMA  |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

LOSS OF BOTH SYSTEM AUXILIARY TRANSFORMERS (SAT 242-1 & 242-2) DUE TO SUSPECTED LIGHTNING STRIKE.

UNIT 2 EXPERIENCED A LOSS OF THE SYSTEM AUXILIARY TRANSFORMERS. THE EMERGENCY DIESEL GENERATORS BOTH AUTOMATICALLY STARTED AND LOADED ON THEIR RESPECTIVE BUSES. THUNDERSTORMS AND HIGH WINDS WERE OCCURRING AND ARE STILL OCCURRING. A LIGHTNING STRIKE TO OR IN THE AREA OF THE TRANSFORMERS IS SUSPECTED. LICENSEE IS PREPARING TO CROSS-TIE THEIR ESF BUSES WITH UNIT 1 ESF BUSES. LICENSEE BELIEVES THAT IT WILL TAKE THEM ABOUT ONE HOUR BEFORE UNIT 2 ESF BUSES ARE CROSS-TIED TO UNIT 1 ESF BUSES. NON-VITAL LOADS ARE BEING CARRIED BY THE UNIT AUXILIARY TRANSFORMER.

UNIT 1 IS AT 100% POWER AND THEIR EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE IF NEEDED.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\* UPDATE 01/18/96 1518 EST BY BEST TO MACKINNON\*\*\*

SYSTEM AUXILIARY TRANSFORMER 242-1 SHOWS SIGNS OF A LIGHTNING STRIKE SUCH AS DISCOLORATION AT THE TOP OF THE INSULATOR BUSHINGS. ALSO 345KV BUS TIE 11-14 WHICH CONNECTS THE SYSTEM AUXILIARY TRANSFORMERS TO THE SWITCHYARD HAS BUSHING DAMAGED ON THE PHASE B BUSHING. UNIT 2 ESF BUSES ARE NOW CROSS-TIED WITH UNIT 1 SYSTEM AUXILIARY TRANSFORMERS. THE UNIT 2 EMERGENCY DIESEL GENERATORS ARE BEING PLACED IN STAND-BY. LICENSEE SAID THAT TO EXIT THE UNUSUAL EVENT CLASSIFICATION THEY NEED TO RESTORE POWER TO THEIR SYSTEM AUXILIARY TRANSFORMERS (242-1 & 242-2) FROM THE SWITCHYARD.

R3DO (BRUCE JORGENSEN) & NRR (ED GOODWIN) NOTIFIED.

\*\*\* UPDATE 0455 1/20/96 FROM STEFAN TAKEN BY STRANSKY\*\*\*

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Power Reactor

Event # 29852

UNUSUAL EVENT WAS TERMINATED AT 0322 CST WHEN SYSTEM AUXILIARY TRANSFORMER 242-2 WAS RESTORED TO SERVICE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R3DO (JORGENSEN), EO (HEBDON).

\*\*\*\*\*

Power Reactor

Event # 29860

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: SOUTH TEXAS                   |            |           |            | Notification Date / Time: 01/19/1996 11:04 (EST) |            |   |
| Unit: 2                             |            | Region: 4 |            | State : TX                                       |            | Event Date / Time: 01/19/1996 09:35 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 01/19/1996                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: MONTY WONG         |            |           |            | Notifications: PHIL HARRELL RDO                  |            |   |
| HQ Ops Officer: DOUG WEAVER         |            |           |            | ED GOODWIN EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | CARR FEMA  |            |   |
| 10 CFR Section:                     |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| TECH SPEC LCO A/S                   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby                               |

UNUSUAL EVENT BASED ON HAVING TWO FEED WATER ISOLATION VALVES (FWIVs) INOPERABLE AT THE SAME TIME

THE LICENSEE ENTERED TECH SPEC 3.0.3 BECAUSE TWO FWIVs WERE DECLARED INOPERABLE. THE "A" AND "C" FWIVs WERE PLACED IN AN INOPERABLE STATUS ON THE AFTERNOON OF 1/18/96 TO PERFORM PLANNED MAINTENANCE. THE ON COMING CREW THIS MORNING NOTED THAT HAVING TWO FWIVs INOPERABLE AT THE SAME TIME EXCEEDED THE LIMITS OF TECH SPEC. 3.7.1.7. THE UNUSUAL EVENT WAS DECLARED AT 0935 CST THIS MORNING.

THE "A" FWIV WAS RESTORED TO AN OPERABLE STATUS AT 1028 CST AND THE PLANT TERMINATED THE UNUSUAL EVENT AT 1031 CST.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 29868

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PEACH BOTTOM                |           | Notification Date / Time: 01/20/1996 17:17 (EST) |   |
| Unit: 2 3                         | Region: 1 | State : PA                                       | Event Date / Time: 01/20/1996 17:10 (EST) |
| Reactor Type: [2] GE-4,[3] GE-4   |           | Last Modification: 01/21/1996                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: BRASSARD         |           | Notifications: JIM JOYNER RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON    |           | FRED HEBDON EO                                   |   |
| Emergency Class: UNUSUAL EVENT    |           | STORER FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 98         | Power Operation | 98         | Power Operation |
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO SUSQUEHANNA RIVER ELEVATION > 111' AND A FLOW RATE OF 535,000 CUBIC FEET/SECOND.

CONOWINGO DAM LOCATED DOWNSTREAM OF PEACH BOTTOM IS HAVING DIFFICULTIES CONTROLLING SUSQUEHANNA RIVER LEVEL AND FLOW RATE. CONOWINGO DAM ISSUED A FLOOD WARNING TO PEACH BOTTOM EARLY THIS AFTERNOON. PEACH BOTTOM EMERGENCY PROCEDURES STATES THAT IF SUSQUEHANNA RIVER ELEVATION IS > 111' AND ITS FLOW RATE IS > 600,000 CUBIC FEET/SECOND THEN THEY MUST DECLARE AN UNUSUAL EVENT. SUSQUEHANNA RIVER ELEVATION AT PEACH BOTTOM AS OF 1717 EST IS 111.6' AND THE RIVER FLOW RATE IS 535,000 CUBIC FEET/SECOND. RIVER LEVEL AND FLOW RATE HAS BEEN INCREASING SLOWLY FOR THE PAST SEVERAL HOURS. LICENSEE CONSERVATIVELY DECLARED AN UNUSUAL EVENT CLASSIFICATION BECAUSE THE RIVER LEVEL AND FLOW RATE IS SLOWLY INCREASING. LICENSEE DID NOT KNOW WHAT ELEVATION THE SUSQUEHANNA RIVER WAS SUPPOSED TO CREST AT. LICENSEE ENTERED THEIR NORMAL REACTOR PLANT SHUTDOWN PROCEDURES (GP-3) AND THEY WILL SHUT DOWN BOTH UNITS WITHIN 8 HOURS IF THE RIVER ELEVATION CONTINUES TO INCREASE. IF THE ELEVATION OF SUSQUEHANNA RIVER REACHES 112' THEY WILL HAVE TO IMMEDIATELY SHUT DOWN BOTH UNITS. EMERGENCY DIESEL GENERATORS AND THE EMERGENCY CORE COOLING SYSTEMS ARE FULLY OPERABLE IF NEEDED. THE ELECTRICAL GRID IS STABLE. LICENSEE NOTIFIED THE STATE OF THIS EVENT.

LICENSEE NOTIFIED THE RESIDENT INSPECTOR OF THIS EVENT.

\*\*\* UPDATE AT 1632 EST ON 1/21/96 FROM THARPE TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 1620 EST. RIVER LEVEL HAS RECEDED AND FLOWS DECLINED. THE FLOOD CREST HAS PASSED. THE DAMS ABOVE AND BELOW THE PLANT ARE SUCCESSFULLY REGULATING RIVER LEVELS AND FLOWS. THE LICENSEE WILL CONDUCT MAINTENANCE ON THEIR WATER BOXES AND COMMENCE POWER ASCENSION. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R1DO (JOYNER), NRR EO (HEBDON), AND FEMA (WRIGHT)

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Power Reactor  
NOTIFIED.

Event # 29868

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Power Reactor

Event # 29883

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SALEM                         |            | Notification Date / Time: 01/24/1996 06:58 (EST) |   |                 |            |                 |
| Unit: 2                             | Region: 1  | State : NJ                                       | Event Date / Time: 01/24/1996 06:15 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 01/24/1996                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: JOE SABLA          |            | Notifications: RICHARD KEIMIG                    | RDO                                       |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE       |            | ED GOODWIN                                       | EO  |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | CANUPP   | FEMA                                      |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | No   | 0   | Refueling       | 0          | Refueling       |

- UE DECLARED DUE TO AN ONSITE FIRE LASTING LONGER THAN 10 MINUTES -

WITH UNIT 1 IN MODE 6 IN A REFUELING OUTAGE, TECHNICIANS WERE CUTTING SERVICE WATER PIPING IN THE AUXILIARY BUILDING. A FIRE WATCH WAS PRESENT.

AT 0615, THE COATING ON THE INSIDE OF THE SERVICE WATER PIPING FLASHED EMITTING A LARGE AMOUNT OF SMOKE INTO THE AUXILIARY BUILDING. LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE FIRE.

AT 0628, THE ONSITE FIRE BRIGADE EXTINGUISHED THE FIRE. LICENSEE POSTED A REFLASH FIRE WATCH. THERE WAS NO RELEASE OF RADIATION AND NO PERSONNEL WERE INJURED.

AT 0646, LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO THE FIRE BEING OUT.

LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, NEW JERSEY AND DELAWARE STATE OFFICIALS, AND LOCAL TOWNSHIP OFFICIALS OF THE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

LICENSEE WILL ISSUE A PRESS RELEASE.

\*\*\*\*\*

Power Reactor

Event # 29905

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WOLF CREEK                  |           | Notification Date / Time: 01/30/1996 10:00 (EST) |   |
| Unit: 1                           | Region: 4 | State : KS                                       | Event Date / Time: 01/30/1996 08:46 (CST) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 01/31/1996                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: D ONNEN          |           | Notifications: GENE BATES RDO                    |   |
| HQ Ops Officer: JOHN MacKINNON    |           | BOB DENNIG EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Standby     | 0          | Hot Standby     |

TRAIN "A" ESSENTIAL SERVICE WATER SYSTEM DECLARED INOPERABLE. ENTERED UNUSUAL EVENT CLASSIFICATION PER STEP 1 & 2 OF THEIR ADMINISTRATIVE PROCEDURE. (REFER TO EVENT NUMBERS 29904 AND 29913 FOR ADDITIONAL INFORMATION.)

TRAIN "A" OF THE ESSENTIAL SERVICE WATER SYSTEM WAS DECLARED INOPERABLE WHEN ITS BAY LEVEL DROPPED TO TEN FEET BELOW THE LAKE LEVEL. TRAIN "B" OF THE ESSENTIAL SERVICE WATER SYSTEM IS OPERABLE, AND ONE SERVICE WATER PUMP IS OPERABLE. TRAIN "A" OF THE ESSENTIAL SERVICE WATER SYSTEM WAS DECLARED INOPERABLE BECAUSE ICE BLOCKED ITS SCREEN AND WATER COULD NOT ENTER THE TRAIN "A" SERVICE WATER BAY. THE LICENSEE IS TRYING TO REMOVE ICE FROM THE TRAIN "A" ESSENTIAL SERVICE WATER SCREEN. EARLIER IN THE EVENT, THE LICENSEE LOST THE TURBINE AUXILIARY FEEDWATER PUMP WHEN ITS PACKING BLEW OUT. THE UNIT STILL HAS TWO MOTOR-DRIVEN AUXILIARY FEEDWATER PUMPS OPERATING, AND THEY ARE SUPPLYING WATER TO THE STEAM GENERATORS.

REGION 4 ENTERED MONITORING PHASE OF NORMAL MODE OPERATION.

ESSENTIAL SERVICE WATER SYSTEM SUPPLIES COOLING WATER TO THE EDGs, CCW HEAT EXCHANGERS, CCW PUMPS, ETC. EACH ESSENTIAL WATER TRAIN HAS ONE 100%-CAPACITY PUMP.

THE NRC RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.

\*\*\* JANUARY 30, 1996, UPDATE AT 1352 EST BY KARSCH \*\*\*

AT 1330 EST, A COMMISSIONERS ASSISTANTS' BRIEFING WAS CONDUCTED. THE FOLLOWING BRIEFING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD(JORDAN), ERB(BARRETT), COMMISSIONER JACKSON(JOHNSON), COMMISSIONER ROGERS(SORENSEN), EDO(\*), EDO REGION(MITCHELL), EO(GOODWIN), PAO(BEECHER), CAO(\*), SECY(BATES), STATE(DROGGITIS), IP(UPSHAW), BRIEFER(DYER), AND OTHERS(MARKSBERRY).

Power Reactor

Event # 29905

\*\*\* 0545 EST JANUARY 31, 1996, UPDATE BY TROCINE \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1758 CST ON JANUARY 30, 1996. THE LICENSEE ISSUED A PRESS RELEASE WHEN THE UNUSUAL EVENT WAS DECLARED AND WHEN IT WAS TERMINATED.

THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (SANBORN), NRR EO (CALVO), AND FEMA (CALDWELL).

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Power Reactor

Event # 29913

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WOLF CREEK                  |           | Notification Date / Time: 01/31/1996 11:03 (EST) |   |
| Unit: 1                           | Region: 4 | State : KS                                       | Event Date / Time: 01/31/1996 10:00 (CST) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 02/02/1996                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: TED PITT         |           | Notifications: GARY SANBORN RDO                  |   |
| HQ Ops Officer: LEIGH TROCINE     |           | AL CHAFFEE, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                   |           | JOSE CALVO, NRR EO                               |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED DUE TO THE DISCOVERY OF AN ICE BUILDUP IN THE INTAKE STRUCTURE WITH THE UNIT IN MODE 4 (REFER TO EVENT NUMBERS 29904 AND 29905 FOR ADDITIONAL INFORMATION.)

WITH THE 'A' TRAIN OF THE ESSENTIAL SERVICE WATER SYSTEM OUT OF SERVICE, THE LICENSEE SENT DIVERS INTO THE ESSENTIAL SERVICE WATER 'A' PUMP BAY AND DISCOVERED A LARGE AMOUNT OF CRUSHED TIGHTLY-PACKED ICE ON THE TRASH RACKS IMMEDIATELY IN FRONT OF THE TRASH SCREENS THAT PROTECT THE ESSENTIAL SERVICE WATER PUMP. THE ICE ON THE TRASH RACKS WAS BLOCKING FLOW FROM THE TOP OF THE BAY TO THE BOTTOM OF THE BAY. THE SCREENS WERE NOT BLOCKED.

THE LICENSEE HAS CONTINGENCY PLANS IN PROGRESS TO REMOVE THE ICE. (THE LICENSEE IS CURRENTLY PLANNING TO HAVE DIVERS INSPECT THE ESSENTIAL SERVICE WATER 'B' PUMP BAY. THE WATER LEVEL IN THE 'B' PUMP BAY HAS NOT CHANGED.) CURRENTLY, ONE SERVICE WATER PUMP IS AVAILABLE. CIRCULATING WATER IS NOT AVAILABLE AT THIS TIME AND IS NOT NEEDED WHILE THE UNIT IS IN MODE 4.

AS A RESULT OF THIS ISSUE, THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON STEPS 1 AND 2 OF THE ADMINISTRATIVE EMERGENCY ACTION LEVELS. THESE STEPS REFERENCE THE EXISTENCE OF OTHER CONDITIONS WHICH INDICATE A POTENTIAL DEGRADATION OF THE LEVEL OF SAFETY IN THE PLANT OR WHICH INDICATE THAT PLANT SAFETY SYSTEMS MAY BE DEGRADED AND INCREASED MONITORING OF PLANT SYSTEMS IS WARRANTED. THERE ARE NO RECOMMENDED PROTECTIVE ACTIONS AT THIS TIME.

THE LICENSEE IS IN THE PROCESS OF NOTIFYING THE COFFEE COUNTY SHERIFF, KANSAS DIVISION OF EMERGENCY MANAGEMENT, AMERICAN NUCLEAR INSURERS, INSTITUTE OF NUCLEAR POWER OPERATIONS, AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1308 ON JANUARY 31, 1996, FROM PITT TAKEN BY KARSCH \*\*\*

Power Reactor

Event # 29913

METEOROLOGICAL CONDITIONS ARE STABLE WITH DIMINISHING WIND AND CONTINUED COLD. THE LICENSEE WILL USE A MOBILE STEAM INJECTION UNIT NOW ON SITE TO CLEAR THE ICE FROM THE 'A' BAY TRASH RACKS.

\*\*\* UPDATE AT 1658 ON JANUARY 31, 1996, BY KARSCH \*\*\*

A COMMISSIONERS ASSISTANTS' BRIEFING WAS CONDUCTED AT 1645 ON JANUARY 31, 1996. THE FOLLOWING BRIEFING NOTIFICATIONS WERE MADE: AEOD(JORDAN), CHAIRMAN JACKSON (JOHNSON), COMMISSIONER ROGERS (SORENSEN), EDO REGION (MITCHELL), PAO (BEECHER), CAO (MADDEN), SECY (BATES), SP (BANGART), IP (FAULKNER), R4 BRIEFER (COLLINS), AND R4RA (CALLAN).

\*\*\* UPDATE AT 1520 ON 2/2/96 FROM GILMORE TAKEN BY STRANSKY \*\*\*

LICENSEE TERMINATED THE UNUSUAL EVENT AT 1005 CST ON 02/02/96. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR AND ISSUED A PRESS RELEASE. HOO NOTIFIED R4DO SANBORN, NRR EO CHAFFEE, AND FEMA KANUPP.

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Power Reactor

Event # 29939

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PERRY                       |           | Notification Date / Time: 02/05/1996 15:50 (EST) |   |
| Unit: 1                           | Region: 3 | State : OH                                       | Event Date / Time: 02/05/1996 15:45 (EST) |
| Reactor Type: [1] GE-6            |           | Last Modification: 02/05/1996                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: DAVE ANTON       |           | Notifications: JOHN MADERA RDO                   |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | CANUPP FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

A FIRE IN THE STARTUP TRANSFORMER LASTED FOR 37 MINUTES.

A FIRE IN THE UNIT 1 STARTUP TRANSFORMER WAS EXTINGUISHED WITHIN 37 MINUTES WITH ASSISTANCE FROM THE OFFSITE FIRE DEPARTMENT. THE CAUSE OF THE FIRE IS UNKNOWN AND BEING INVESTIGATED.

THE EXTENT OF DAMAGE TO THE TRANSFORMER WAS MINIMAL AND THERE WAS NO OIL LEAKAGE. NO EDGs STARTED AND ALL EMERGENCY BUSES REMAINED ENERGIZED WITH A UNIT 2 STARTUP TRANSFORMER. (PERRY UNIT 2 IS A MOTHBALLED NUCLEAR UNIT). THE RHR SYSTEM WAS NOT AFFECTED SINCE IT WAS NOT IN OPERATION AT THE TIME. FUEL POOL COOLING AND CLEANUP WAS UNAFFECTED AND IS PROVIDING DECAY HEAT REMOVAL.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. NO PRESS RELEASE WAS ISSUED.

\*\*\* UPDATE AT 1622 BY DAVE ANTON TAKEN BY GOULD \*\*\*

AT 1620, THE LICENSEE TERMINATED THE UNUSUAL EVENT.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE HOO NOTIFIED R3DO MADERA, NRR EO CHAFFEE, AND FEMA CANUPP.

NOTE: SEE EVENT #29941 FOR A RELATED EVENT.

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Power Reactor

Event # 29945

| Site: CATAWBA                       |            |                    |            | Notification Date / Time: 02/06/1996 13:19 (EST) |            |   |
|-------------------------------------|------------|--------------------|------------|--|------------|---|
| Unit: 2                             |            | Region: 2          |            | State : SC                                       |            | Event Date / Time: 02/06/1996 12:30 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |                    |            | Last Modification: 02/08/1996                    |            |   |
| Containment Type: ICE COND          |            |                    |            |  |            |   |
| NRC Notified by: RUSSEL EDMOND      |            |                    |            | Notifications: CAUDLE JULIAN                     |            | RDO                                       |
| HQ Ops Officer: DOUG WEAVER         |            |                    |            | ED GOODWIN                                       |            | EO  |
| Emergency Class: UNUSUAL EVENT      |            |                    |            | SULLIVAN   |            | FEMA                                      |
| 10 CFR Section:                     |            |                    |            |  |            |   |
| 50.72(a)(1)(i)                      |            | EMERGENCY DECLARED |            |  |            |   |
| 50.72(b)(1)(iv)                     |            | ECCS INJECTION     |            |  |            |   |
| 50.72(b)(2)(ii)                     |            | RPS ACTUATION      |            |  |            |   |
| 50.72(b)(2)(ii)                     |            | ESF ACTUATION      |            |  |            |   |
| Unit                                | Scram Code | RX Crit            | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | A/R        | Yes                | 100        | Power Operation                                  | 0          | Hot Standby                               |

## UNUSUAL EVENT - LOSS OF OFFSITE POWER WITH ONE EDG INOPERABLE

ALL OFFSITE POWER WAS LOST TO UNIT 2 AT 1230. THE UNIT TRIPPED AND ALL CONTROL RODS FULLY INSERTED. AN ECCS ACTUATION WAS RECEIVED BASED ON LOW MAIN STEAM LINE PRESSURE. THE 2A HIGH HEAD SAFETY INJECTION PUMP INJECTED TO THE RCS. THE SAFETY INJECTION SIGNAL HAS BEEN RESET AND INJECTION HAS BEEN SECURED. THE RCPs TRIPPED ON UNDER FREQUENCY.

THE PLANT IS STABLE IN MODE 3. DECAY HEAT IS BEING REMOVED VIA THE STEAM GENERATOR PORVs. UNIT 2 DOES NOT HAVE ANY IDENTIFIED STEAM GENERATOR TUBE LEAKAGE.

PRIOR TO THE EVENT, THE 2B EDG WAS MADE INOPERABLE FOR PLANNED MAINTENANCE. IN ADDITION, COMPONENT COOLING WATER TRAIN 2B, RHR TRAIN 2B, CONTAINMENT SPRAY TRAIN 2B, SERVICE WATER TRAIN 2B, VITAL BATTERIES B & D WERE OUT OF SERVICE FOR MAINTENANCE AT THE TIME OF THE EVENT.

THE LICENSEE IS ATTEMPTING TO RESTORE THE INOPERABLE EQUIPMENT. THEY ARE TAKING STEPS TO ESTABLISH A SOURCE OF POWER FROM UNIT 1 PER THEIR EMERGENCY OPERATING PROCEDURES. THE CAUSE OF THE LOSS OF OFFSITE POWER WAS A FAULT ON ONE PHASE OF BOTH THE TRAIN A AND TRAIN B MAIN TRANSFORMERS.

THE LICENSEE NOTIFIED THE APPROPRIATE STATE AND LOCAL OFFICIALS AND WILL BE MAKING A PRESS RELEASE. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

NOTE: SEE EVENT #29949 FOR A RELATED EVENT.

\*\*\*UPDATE AT 19:00\*\*\* COMMISSIONER'S ASSISTANTS BRIEFING.

Power Reactor

Event # 29945

\*\*\* UPDATE AT 0300 EST FROM NODINE ON 2/8/95 TAKEN BY KARSCH \*\*\*

THE OPERATIONS CENTER WAS NOTIFIED THAT THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 0215 EST BY THE RESTORATION OF THE "B" TRAIN MAIN TRANSFORMER. OFF-SITE POWER IS SUPPLYING NON-VITAL LOADS. ESSENTIAL BUSES ARE STILL CROSS CONNECTED TO UNIT 1. THE CAUSE OF THE "B" TRANSFORMER FAULT MIGHT HAVE BEEN CAUSED BY MOISTURE INTRUSION. THE FAULT IN THE "A" TRAIN MIGHT HAVE BEEN INITIATED BY THE "B" TRAIN FAULT THROUGH SOME RELATIONSHIP STILL TO BE DETERMINED. THE PLANT IS IN MODE 5, WITH DECAY HEAT REMOVAL VIA THE RESIDUAL HEAT REMOVAL SYSTEM. REACTOR COOLANT PUMPS HAVE NOT BEEN RESTARTED. PLANT RESTART IS NOT YET DETERMINED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. RGN 2 DO (JULIAN), NRR EO (VIRGILIO) AND FEMA (AUSTIN) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 30008

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: MILLSTONE                          |            |           |            | Notification Date / Time: 02/22/1996 07:42 (EST) |            |   |
| Unit: 2                                  |            | Region: 1 |            | State : CT                                       |            | Event Date / Time: 02/22/1996 07:25 (EST) |
| Reactor Type: [1] GE-3,[2] CE,[3] W-4-LP |            |           |            | Last Modification: 02/22/1996                    |            |   |
| Containment Type: DRY AMB                |            |           |            |  |            |   |
| NRC Notified by: LAWRENCE NELSON         |            |           |            | Notifications: WILLIAM RULAND                    |            | RDO                                       |
| HQ Ops Officer: LEIGH TROCINE            |            |           |            | AL CHAFFEE, NRR                                  |            | EO  |
| Emergency Class: UNUSUAL EVENT           |            |           |            | BOB CALDWELL                                     |            | FEMA                                      |
| 10 CFR Section:                          |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |           |            |  |            |   |
| Unit                                     | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2  | N          | No        | 0          | Hot Shutdown                                     | 0          | Hot Shutdown                              |

UNUSUAL EVENT DECLARED DUE TO FAILURE TO ENTER COLD SHUTDOWN WITHIN 72 HOURS AS REQUIRED BY TECHNICAL SPECIFICATION 3.0.3 (REFER TO EVENT #29999.)

ON FEBRUARY 20, 1996, THE HIGH PRESSURE SAFETY INJECTION (HPSI) SYSTEM WAS DECLARED INOPERABLE DUE TO POTENTIAL CLOGGING OF THE HPSI THROTTLE VALVES DURING THE CONTAINMENT SUMP RECIRCULATION PHASE, AND A REQUIRED SHUTDOWN WAS COMMENCED IN ACCORDANCE WITH TECHNICAL SPECIFICATION 3.0.3. (REFER TO EVENT #29999.) THIS TECHNICAL SPECIFICATION REQUIRED THAT THE UNIT BE PLACED IN MODE 5 (COLD SHUTDOWN) WITHIN 72-HOURS, AND THE TIME FOR THIS LIMITING CONDITION FOR OPERATION (LCO) ENDED AT 0715 ON FEBRUARY 22, 1996. WHEN THIS LCO TIME FRAME EXPIRED, THE UNIT WAS STILL IN MODE 4 (HOT SHUTDOWN). AS A RESULT, THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0725.

THERE HAVE BEEN NO ADDITIONAL EQUIPMENT FAILURES ASSOCIATED WITH THIS ISSUE, AND THE LICENSEE IS ATTRIBUTING THE DELAY TO PROCEDURAL PROBLEMS. THE LICENSEE ANTICIPATES PLACING THE UNIT IN COLD SHUTDOWN WITHIN ONE HOUR, AND THE UNUSUAL EVENT WILL BE TERMINATED AT THAT TIME.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE OF THIS EVENT.

\*\*\* 0953 FEBRUARY 22, 1996, UPDATE FROM BAKER TAKEN BY TROCINE \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0942 WHEN THE UNIT ENTERED MODE 5 (COLD SHUTDOWN). THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR AND THE STATE. THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (RULAND), THE NRR EO (CHAFFEE), AND FEMA (CALDWELL).

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Power Reactor

Event # 30010

|                                |                      |  |   |
|--------------------------------|----------------------|--|---|
| Site: SAINT LUCIE              |                      | Notification Date / Time: 02/22/1996 12:47 (EST) |   |
| Unit: 1                        | Region: 2            | State : FL                                       | Event Date / Time: 02/22/1996 10:03 (EST) |
| Reactor Type: [1] CE,[2] CE    |                      | Last Modification: 02/22/1996                    |   |
| Containment Type:              |                      |  |   |
| NRC Notified by: JACK BREEN    |                      | Notifications: MARK LESSER RDO                   |   |
| HQ Ops Officer: DOUG WEAVER    |                      | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT |                      | AUSTIN FEMA                                      |   |
| 10 CFR Section:                |                      | WILLIAM BURTON EDO                               |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   |  |   |
| 50.72(b)(1)(i)(A)              | PLANT S/D REQD BY TS |  |   |
| 50.72(b)(2)(ii)                | RPS ACTUATION        |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

## DROPPED ROD - UNUSUAL EVENT - MANUAL TRIP

AT 1003 EST, WHILE PERFORMING A CONTROL ELEMENT ASSEMBLY (CEA) SURVEILLANCE AT 100% POWER, A CEA NOT BEING SURVEILLED DROPPED INTO THE CORE. REACTOR POWER WAS STABILIZED AT 93%. TECHNICAL SPECIFICATION 3.1.3.1 REQUIRES THAT THE MISALIGNED CEA BE RESTORED TO WITHIN 7.5 INCHES OF THE OTHER CEAs IN THE GROUP WITHIN 1 HOUR OR THAT UNIT POWER BE REDUCED TO LESS THAN OR EQUAL TO 70%. ONCE POWER IS REDUCED TO 70% OR LESS, OPERATION CAN CONTINUE IF THE OTHER CEAs IN THE GROUP CAN BE POSITIONED WITHIN 7.5 INCHES OF THE MISALIGNED CEA WITHIN 1 HOUR.

AT 1100, THE LICENSEE COMMENCED UNIT POWER REDUCTION. AT 1105, WHILE REDUCING POWER, IT WAS DETERMINED THAT THE DROPPED CEA WAS INOPERABLE, AND THEREFORE, IT WOULD NOT BE POSSIBLE TO MEET EITHER ONE OF THE ABOVE CONDITIONS FOR CEA GROUP POSITIONING. AT 1200, TECHNICAL SPECIFICATION 3.0.3 WAS ENTERED, AND A FULL REACTOR SHUTDOWN WAS COMMENCED. AT 1205, AN UNUSUAL EVENT WAS DECLARED BASED ON PLANT SHUTDOWN DUE TO OPERATION BEYOND THE TIME CONSTRAINT OF THE TECHNICAL SPECIFICATION ACTION STATEMENT. THE CAUSE OF THE DROPPED (INOPERATIVE) CEA IS STILL UNDER INVESTIGATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE APPROPRIATE STATE AND LOCAL OFFICIALS.

\*\*\* UPDATE AT 1420 ON FEBRUARY 22, 1996, FROM BREEN TAKEN BY WEAVER \*\*\*

AT 1313, THE REACTOR WAS MANUALLY TRIPPED FROM 26% POWER WHEN FEEDWATER FLOW TO THE 1A STEAM GENERATOR WAS NOTED TO BE ERRATIC (INCREASING). THE LICENSEE BELIEVES THE CAUSE OF THE FEEDWATER FLOW PROBLEM WAS AN AIR LEAK ON THE "A" SIDE FEEDWATER REGULATING VALVE. ALL RODS FULLY INSERTED. THE PLANT IS STABLE IN MODE 3, AND THE UNUSUAL EVENT WAS TERMINATED AT 1330.

05/19/2005

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Page 2

Power Reactor

Event # 30010

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE APPROPRIATE STATE AND LOCAL OFFICIALS. A PRESS RELEASE WILL BE MADE BUT IS NOT SCHEDULED. THE HOO NOTIFIED THE R2DO (LESSER), NRR EO (CHAFFEE), AND FEMA (STORR).

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Power Reactor

Event # 30026

|                                    |   |  |            |
|------------------------------------|---|--|------------|
| Site: PALO VERDE                   |   | Notification Date / Time: 02/25/1996 23:10 (EST) |            |
| Unit: 1                            | 3 | Region: 4  | State : AZ |
| Reactor Type: [1] CE,[2] CE,[3] CE |   | Event Date / Time: 02/25/1996 20:17 (MST)        |            |
| Containment Type: DRY AMB          |   | Last Modification: 02/25/1996                    |            |
| NRC Notified by: MIKE GRIGSBY      |   | Notifications: CHRIS VANDENBURGH RDO             |            |
| HQ Ops Officer: DOUG WEAVER        |   | BRUCE BOGER EO                                   |            |
| Emergency Class: UNUSUAL EVENT     |   | BAGWELL FEMA                                     |            |
| 10 CFR Section:                    |   |  |            |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |   |  |            |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 46         | Power Operation |
| 3    | N          | Yes     | 100        | Power Operation | 35         | Power Operation |

## SUSPECTED LIGHTNING STRIKE - TURBINE TRIP

A SUSPECTED LIGHTNING STRIKE TO THE "C" PHASE OF THE UNIT 1 MAIN TRANSFORMER CAUSED THE UNIT 1 TURBINE TO TRIP. THE TURBINE TRIP CAUSED A REACTOR CUTBACK (REGULATING CONTROL ROD GROUPS 4 AND 5 INSERTED) FROM 100% POWER. REACTOR POWER IS STABLE AT 46% ON THE MAIN TURBINE BYPASSES. ALL EMERGENCY DIESEL GENERATORS AND OTHER SAFETY-RELATED EQUIPMENT ARE OPERABLE. OFFSITE POWER IS AVAILABLE.

THE LICENSEE DECLARED THE UNUSUAL EVENT BASED ON AN "EXPLOSION" IN THE PROTECTED AREA AT 2032. THE UNUSUAL EVENT WAS TERMINATED AT 2046 BASED ON A ROUGH UNDERSTANDING OF THE EXTENT OF THE DAMAGE TO THE SITE. THE LICENSEE PLANS TO REDUCE POWER TO 5-10% POWER AND TO PERFORM A CLOSER INSPECTION OF THE MAIN TRANSFORMER.

UNIT 3 ALSO SUFFERED A TURBINE TRIP AND A LOSS OF LOAD FROM 100% TO 35% POWER. THE CAUSE OF THE LOSS OF LOAD TO UNIT 3 IS NOT FULLY UNDERSTOOD. THE LICENSEE INTENDS TO RE-SYNCHRONIZE THE TURBINE AND SLOWLY RESTORE POWER ON UNIT 3.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

NOTE: SEE EVENT #30037 FOR A RELATED EVENT.

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Power Reactor

Event # 30035

|                                |            |                    |            |  |            |   |
|--------------------------------|------------|--------------------|------------|--|------------|---|
| Site: CALVERT CLIFFS           |            |                    |            | Notification Date / Time: 02/27/1996 17:51 (EST) |            |   |
| Unit: 2                        |            | Region: 1          |            | State : MD                                       |            | Event Date / Time: 02/27/1996 17:42 (EST) |
| Reactor Type: [1] CE,[2] CE    |            |                    |            | Last Modification: 02/27/1996                    |            |   |
| Containment Type: DRY AMB      |            |                    |            |  |            |   |
| NRC Notified by: PHIL McGREW   |            |                    |            | Notifications: GLENN MEYER                       |            | RDO                                       |
| HQ Ops Officer: DICK JOLLIFFE  |            |                    |            | JACK ROE   |            | EO  |
| Emergency Class: UNUSUAL EVENT |            |                    |            | GENE CANUPP                                      |            | FEMA                                      |
| 10 CFR Section:                |            |                    |            |  |            |   |
| 50.72(a)(1)(i)                 |            | EMERGENCY DECLARED |            |  |            |   |
| 50.72(b)(2)(ii)                |            | RPS ACTUATION      |            |  |            |   |
| 50.72(b)(2)(ii)                |            | ESF ACTUATION      |            |  |            |   |
| Unit                           | Scram Code | RX Crit            | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                              | A/R        | Yes                | 100        | Power Operation                                  | 0          | Hot Standby                               |

-UE DECLARED DUE TO PARTIAL LOSS OF 13 KV OFFSITE POWER FOR UNKNOWN REASONS

UNIT 2 EXPERIENCED A PARTIAL LOSS OF 13 KV OFFSITE POWER FOR UNKNOWN REASONS. 4 OF 4 REACTOR COOLANT PUMPS TRIPPED. THE REACTOR AUTOMATICALLY TRIPPED FROM 100% POWER DUE TO LOW REACTOR COOLANT FLOW. ALL CONTROL RODS INSERTED COMPLETELY. 2 OF 3 EDGs AUTOMATICALLY STARTED ON AN UNDERVOLTAGE SIGNAL AND LOADED; THE THIRD EDG IS OPERABLE. LICENSEE MANUALLY INITIATED THE AUXILIARY FEEDWATER SYSTEM. THE ATMOSPHERIC DUMP VALVES ARE CYCLING TO GET RID OF DECAY HEAT.

UNIT 2 IS STABLE IN MODE 3 (HOT STANDBY).

LICENSEE IS INVESTIGATING THE CAUSE OF THE PARTIAL LOSS OF OFFSITE POWER.

LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2024 ON 02/27/96 BY PHIL McGREW ENTERED BY JOLLIFFE \*\*\*

AT 2015, LICENSEE TERMINATED THE UNUSUAL EVENT. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. THE HOO NOTIFIED R1DO GLENN MEYER, NRR EO JACK ROE, AND FEMA DAMICO.

\*\*\*\*\*

Power Reactor

Event # 30048

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BIG ROCK POINT              |           | Notification Date / Time: 02/29/1996 20:39 (EST) |   |
| Unit: 1                           | Region: 3 | State : MI                                       | Event Date / Time: 02/29/1996 20:25 (EST) |
| Reactor Type: [1] GE-1            |           | Last Modification: 02/29/1996                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: CHRIS AVERY      |           | Notifications: MONTE PHILLIPS RDO                |   |
| HQ Ops Officer: RUDY KARSCH       |           | ELINOR ADENSAM EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | DAMICO FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO A FIRE LASTING MORE THAN TEN MINUTES.

WELDING AND GRINDING UNDER THE TURBINE CAUSED SPARKS WHICH IGNITED OIL SOAKED INSULATION. THE FIRE WAS PUT OUT BY A WORKER WITH A FIRE EXTINGUISHER. NO DAMAGE TO PLANT EQUIPMENT RESULTED. THE LICENSEE NOTIFIED STATE AND COUNTY GOVERNMENT AGENCIES. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2243 EST FROM BOSS TAKEN BY KARSCH \*\*\*

UNUSUAL EVENT TERMINATED AT 2236 EST. INSPECTION DETERMINED THAT THE FIRE WAS COMPLETELY OUT AND CONFIRMED THAT NO PLANT EQUIPMENT WAS DAMAGED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R3DO (PHILLIPS), EO (ADENSAM), AND FEMA (DAMICO) NOTIFIED.

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Power Reactor

Event # 30060

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SUMMER                        |            | Notification Date / Time: 03/04/1996 11:53 (EST) |   |                 |            |                 |
| Unit: 1                             | Region: 2  | State : SC                                       | Event Date / Time: 03/04/1996 11:00 (EST) |                 |            |                 |
| Reactor Type: [1] W-3-LP            |            | Last Modification: 03/04/1996                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: DAN GOLDSTON       |            | Notifications: EDWARD MCALPINE RDO               |   |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER         |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | EARL FEMA  |   |                 |            |                 |
| 10 CFR Section:                     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) OTHER ASMT/COMM INOP |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT - GREATER THAN 25% OF EMERGENCY SIRENS INOP AT THE SAME TIME

A LOSS OF POWER IN THE SURROUNDING COUNTIES RESULTED IN 36 EMERGENCY SIRENS BEING INOPERABLE. THE LOSS OF POWER OCCURRED AT 0530 THIS MORNING. THE MAJORITY OF THE SIRENS WERE RESTORED WITHIN 42 MINUTES, AND ALL SIRENS WERE RESTORED BY 0800. THE BASIS OF THE UNUSUAL EVENT WAS HAVING MORE THAN 25% OF THE EMERGENCY SIRENS INOPERABLE AT THE SAME TIME. THE UNUSUAL EVENT WAS DECLARED AND TERMINATED AT 1100 THIS MORNING. THE DECLARATION WAS DELAYED BECAUSE THE EXPECTED CONTROL ROOM ALARMS ON THE PLANT COMPUTER WERE NOT RECEIVED. THE LICENSEE IS INVESTIGATING THE CAUSE OF THESE FAILURES.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE STATE AND LOCAL COUNTIES WERE ALSO INFORMED OF THIS EVENT.

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Power Reactor

Event # 30125

|  |           |  |   |
|--|-----------|--|---|
| Site: BRUNSWICK                        |           | Notification Date / Time: 03/17/1996 19:32 (EST) |   |
| Unit: 1 2                              | Region: 2 | State : NC                                       | Event Date / Time: 03/17/1996 18:34 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4        |           | Last Modification: 03/18/1996                    |   |
| Containment Type: MARK I MARK I        |           |  |   |
| NRC Notified by: WILLIAMS              |           | Notifications: PEEBLES RDO                       |   |
| HQ Ops Officer: BOB STRANSKY           |           | ZWOLINSKI EO                                     |   |
| Emergency Class: UNUSUAL EVENT         |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 60         | Power Operation | 60         | Power Operation |

BOTH UNITS BEING SHUT DOWN AFTER ALL SERVICE WATER PUMPS DECLARED INOPERABLE

AT 1834 ON 3/17/96, THE LICENSEE COMMENCED A SHUTDOWN OF UNIT 2 AFTER ADMINISTRATIVELY DECLARING ALL SERVICE WATER PUMPS INOPERABLE. THIS ACTION WAS TAKEN DUE TO THE DISCOVERY OF GALVANIC CORROSION ON A PUMP IMPELLER RETAINING RING BOLT FOLLOWING THE FAILURE OF THE '2A' NUCLEAR SERVICE WATER PUMP. SIMILAR CORROSION WAS ALSO FOUND ON THE '1B' CONVENTIONAL SERVICE WATER AND '1B' NUCLEAR SERVICE WATER PUMPS. THE LICENSEE WILL COMMENCE A SHUTDOWN OF UNIT 1 AT 2130 THIS EVENING. BOTH UNITS WILL BE TAKEN TO COLD SHUTDOWN. AT THIS TIME, ALL OPERATING SERVICE WATER PUMPS ARE FUNCTIONING WITHIN NOMINAL PARAMETERS.

AT 1920 ON 3/17/96, AN UNUSUAL EVENT WAS DECLARED AS A DISCRETIONARY ACTION IN RESPONSE TO THIS EVENT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

\*\*\*UPDATE ON 3/18/96 @ 21:42 BY TOMPSON TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 21:30. BOTH UNITS IN COLD S/D. THE RI WILL BE INFORMED. THE REG 2(PEEBLES), EO(MARSH) & FEMA(AUSTIN) WERE NOTIFIED.

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Power Reactor

Event # 30128

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 03/18/1996 18:10 (EST) |   |
| Unit: 1 2                           | Region: 1 | State : NJ                                       | Event Date / Time: 03/18/1996 17:42 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 03/18/1996                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: HAMILTON           |           | Notifications: LARRY NICHOLSON RDO               |   |
| HQ Ops Officer: CHAUNCEY GOULD      |           | TAD MARSH EO                                     |   |
| Emergency Class: UNUSUAL EVENT      |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                     |           | CHARLEY HAUGHNEY EO                              |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 70.52(a) LOSS OF SNM/CRIT           |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

THE LICENSEE REPORTED THEY CANNOT ACCOUNT FOR ELEVEN INCORE FLUX DETECTORS.

DURING A SELF-ASSESSMENT OF THEIR SPECIAL NUCLEAR MATERIAL CONTROL PROGRAM, THE LICENSEE IDENTIFIED THAT ELEVEN INCORE FLUX DETECTORS COULD NOT BE ACCOUNTED FOR. EACH DETECTOR CONTAINED 4 MILLIGRAMS OF ENRICHED U-235. BASED ON THE BEST INFORMATION AVAILABLE, IT IS BELIEVED THAT THE DETECTORS WERE SHIPPED TO THE BARNWELL S.C. BURIAL FACILITY IN AUGUST 1981. AUTHORITIES AT BARNWELL HAVE BEEN CONTACTED AND ARE REVIEWING SHIPPING MANIFEST FROM THIS TIME FRAME TO CONFIRM SHIPMENT.

IT IS BELIEVED THAT MATERIAL CONTROLS IN 1981 TIME FRAME WERE CONSISTENT WITH INDUSTRY PRACTICES REGARDING LESS THAN ONE-GRAM QUANTITIES OF SPECIAL NUCLEAR MATERIALS. NRC CALLED THESE INDUSTRY PRACTICES INTO QUESTION IN INFORMATION NOTICE 88-34.

THIS INFORMATION WAS KNOWN BY THE LICENSEE AT THE TIME OF SHIPMENT AND SHOULD HAVE BEEN REPORTED AT THAT TIME. AN EXACT COUNT AND SHIPPING RECORDS ARE NOT AVAILABLE TO CONFIRM THE EXACT NUMBER SHIPPED TO BARNWELL. THEY ARE STILL INVESTIGATING. THE RI WILL BE NOTIFIED. THE STATES OF NJ & DE WERE NOTIFIED ALONG WITH LOWER ALLOWAYS CREEK TOWNSHIP AND OTHER GOVT. AGENCIES. A PRESS RELEASE WAS ALSO MADE.

\*\*\*UPDATE ON 3/18/96 @ 18:41 FROM HAMILTON TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 18:20 DUE TO THE FULL CLOSURE OF THE LOSS OF THE SPECIAL NUCLEAR MATERIAL EVENT. THE LICENSEE BELIEVES THAT THE SPECIAL NUCLEAR MATERIAL WAS BURIED AT BARNWELL. THEY ARE DOING FURTHER INVESTIGATIONS. THE RI WILL BE NOTIFIED ALONG WITH STATE AND LOCAL AGENCIES.

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Power Reactor

Event # 30169

|                                |                      |  |      |
|--------------------------------|----------------------|--|------|
| Site: COOPER                   |                      | Notification Date / Time: 03/25/1996 22:01 (EST) |      |
| Unit: 1                        | Region: 4 State : NE | Event Date / Time: 03/25/1996 20:20 (CST)        |      |
| Reactor Type: [1] GE-4         |                      | Last Modification: 03/25/1996                    |      |
| Containment Type: MARK I       |                      |  |      |
| NRC Notified by: MEYERS        |                      | Notifications: MURRRAY                           | RDO  |
| HQ Ops Officer: BOB STRANSKY   |                      | VARGA  | EO   |
| Emergency Class: UNUSUAL EVENT |                      | SULLIVAN   | FEMA |
| 10 CFR Section:                |                      |  |      |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   |  |      |
| 50.72(b)(1)(vi)                | FIRE (ONSITE)        |  |      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO FIRE IN AUGMENTED OFFGAS SYSTEM

AT 2010 CST, A STATION OPERATOR DETECTED A FIRE ON TOP OF A CHARCOAL ADSORBER BED IN THE AUGMENTED OFFGAS SYSTEM ROOM. THE SITE FIRE BRIGADE WAS DISPATCHED TO THE SCENE, AND EXTINGUISHED THE FIRE AT 2032 CST. AN UNUSUAL EVENT WAS DECLARED AT 2020 CST, IN ACCORDANCE WITH THE SITE EMERGENCY PLAN. THE UNUSUAL EVENT WAS TERMINATED AT 2041 CST. A FIRE WATCH HAS BEEN POSTED IN THE AREA TO MONITOR FOR REFLASH.

THE LICENSEE STATED THAT THE FIRE WAS CAUSED BY THE IGNITION OF INSULATION BY A TEMPORARY LIGHTING FIXTURE INSTALLED FOR MAINTENANCE ACTIVITIES. THE LICENSEE IS PREPARING TO INSPECT THE CHARCOAL BED TO DETERMINE THE EXTENT OF THE DAMAGE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

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Power Reactor

Event # 30179

|  |           |  |   |
|--|-----------|--|---|
| Site: FERMI                            |           | Notification Date / Time: 03/27/1996 02:16 (EST) |   |
| Unit: 2                                | Region: 3 | State : MI                                       | Event Date / Time: 03/27/1996 01:35 (EST) |
| Reactor Type: [2] GE-4                 |           | Last Modification: 03/27/1996                    |   |
| Containment Type: MARK I               |           |  |   |
| NRC Notified by: PETERSON              |           | Notifications: ROGER LANKSBURY RDO               |   |
| HQ Ops Officer: CHAUNCEY GOULD         |           | LEE SPESSARD EO                                  |   |
| Emergency Class: UNUSUAL EVENT         |           | BAGWELL FEMA                                     |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |
| 50.72(b)(1)(ii)(A) UNANALYZED COND OP  |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 81         | Power Operation | 81         | Power Operation |

THE LICENSEE IS SHUTTING THE PLANT DOWN DUE TO BOTH TRAINS OF THE EMERGENCY EQUIPMENT COOLING WATER (EECW) SYSTEM BEING INOPERABLE.

A NOT-PREVIOUSLY CONSIDERED CONDITION WAS DISCOVERED, DURING A SERVICE WATER OPERATIONAL PERFORMANCE INSPECTION, WHICH COULD POTENTIALLY RENDER BOTH TRAINS OF THE EECW SYSTEM INOPERABLE. THE EECW SYSTEM HAS ONE MAKEUP TANK FOR EACH TRAIN TO PROVIDE MAKEUP WATER TO ACCOUNT FOR SYSTEM LEAKAGE. NITROGEN IS USED TO PRESSURIZE THE TANKS TO MAINTAIN SUFFICIENT SYSTEM PRESSURE FOR PROPER OPERATION. THE DEMINERALIZED WATER SYSTEM (WHICH PROVIDES MAKEUP WATER) AND THE NITROGEN SUPPLY SYSTEM ARE NOT SAFETY RELATED.

IN THE EVENT OF AN ACCIDENT OR SEISMIC EVENT, NO CREDIT IS TAKEN FOR OPERATION OF THE DEMINERALIZED WATER OR NITROGEN SUPPLY SYSTEMS. THE EECW MAKEUP TANK IS ISOLATED FROM THESE SYSTEMS, BUT NITROGEN LEAKAGE FROM THE TANK THROUGH THE NITROGEN SUPPLY LINE, DEMINERALIZED WATER SUPPLY LINE, OR MAKEUP TANK RELIEF VALVES IS EXPECTED TO CAUSE MAKEUP TANK NITROGEN PRESSURE TO DECAY IN A SHORT AMOUNT OF TIME. WITH THE MAKEUP TANK DEPRESSURIZED, PRESSURE IN THE EECW TRAIN WILL FALL TO A LEVEL THAT PUMP CAVITATION AND/OR AIR BINDING COULD OCCUR. THIS CONDITION COULD AFFECT BOTH TRAINS OF EECW. THE UFSAR FAILURE MODES AND EFFECTS ANALYSIS FOR THE EECW SYSTEM DESCRIBES A FAILURE OF A SINGLE ISOLATION VALVE ON THE MAKEUP TANK OUTLET LINE THAT WOULD BOUND THIS FAILURE, BUT IT TAKES CREDIT FOR THE AVAILABILITY OF THE REMAINING TRAIN. IN THIS CASE, THE LOSS OF BOTH MAKEUP TANKS HAS NOT BEEN PREVIOUSLY ANALYZED. WITH BOTH TRAINS OF EECW BEING DECLARED INOPERABLE, THE PLANT ENTERED TS 3.0.3 @ 01:35 AND PREPARED FOR SHUTDOWN. THE UNUSUAL EVENT WAS DECLARED AT 02:12 WITH THE COMMENCEMENT OF SHUTDOWN. THE RI WILL BE INFORMED ALONG WITH STATE, LOCAL & OTHER AGENCIES.

\*\*\* UPDATE 1358 3/27/96 FROM SKLARCCYK TAKEN BY STRANSKY \*\*\*

Power Reactor

Event # 30179

THE UNUSUAL EVENT WAS TERMINATED AT 1350 WHEN THE UNIT ENTERED COLD SHUTDOWN. THE REACTOR WAS MANUALLY SCRAMMED AT 0727. ALL CONTROL RODS FULLY INSERTED, AND ALL SYSTEMS FUNCTIONED AS EXPECTED. REACTOR VESSEL WATER LEVEL IS BEING MAINTAINED USING THE STARTUP LEVEL CONTROLLER WITH DECAY HEAT BEING EXHAUSTED TO THE MAIN CONDENSER. THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE. NOTIFIED R3DO (LANKSBURY), EO (SPESSARD), AND FEMA (CALDWELL).

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Power Reactor

Event # 30204

|                                   |                      |  |      |
|-----------------------------------|----------------------|--|------|
| Site: FT CALHOUN                  |                      | Notification Date / Time: 03/29/1996 22:08 (EST) |      |
| Unit: 1                           | Region: 4 State : NE | Event Date / Time: 03/29/1996 20:48 (CST)        |      |
| Reactor Type: [1] CE              |                      | Last Modification: 03/30/1996                    |      |
| Containment Type: DRY AMB         |                      |  |      |
| NRC Notified by: LARRY LEES       |                      | Notifications: BLAINE MURRAY                     | RDO  |
| HQ Ops Officer: RUDY KARSCH       |                      | LEE SPESSARD                                     | EO   |
| Emergency Class: UNUSUAL EVENT    |                      | DAMICO   | FEMA |
| 10 CFR Section:                   |                      |  |      |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |      |
| 50.72(b)(2)(ii) RPS ACTUATION     |                      |  |      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 81         | Power Operation | 72         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO ENTRY INTO EMERGENCY OPERATING PROCEDURE 05, "EMERGENCY SHUTDOWN".

THE UNIT IS BEING SHUT DOWN BECAUSE OF A LEAK IN THE MAIN CONDENSER. INDICATIONS OF THE LEAKAGE ARE RISING SODIUM CONTENT, GREATER THAN 100 PARTS PER BILLION, AND RISING CATION CONDUCTIVITY. RIVER WATER IS CONTAMINATING THE FEED WATER.

THE LICENSEE IS DECREASING POWER AT 10% PER HOUR. POWER MUST BE LOWER THAN 30% WITHIN FOUR HOURS OF THE DECLARATION OF THE UNUSUAL EVENT. CRITERIA FOR EXITING THE UNUSUAL EVENT ARE DECREASING CONDUCTIVITY, SODIUM CONCENTRATION LOWER THAN 100 PPB, OR REACTOR SHUT DOWN AND ISOLATION OF THE MAIN CONDENSER. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND NOTIFIED STATE AND LOCAL GOVERNMENT AGENCIES.

\*\*\* UPDATE AT 0001 ON 03/30/96 BY SANDHOEFNER ENTERED BY JOLLIFFE \*\*\*

AT 2235 (CST) ON 03/29/96, CONTROL ROOM OPERATORS MANUALLY TRIPPED THE PLANT FROM 30% POWER. ALL CONTROL RODS INSERTED COMPLETELY. STEAM IS BEING DUMPED TO THE 'B' MAIN CONDENSER. THE PLANT IS STABLE IN MODE 3 (HOT STANDBY). THE LICENSEE ISOLATED, DRAINED, AND OPENED THE 'A' MAIN CONDENSER AND WILL LOCATE AND PLUG THE LEAKING TUBE(S).

AT 2312 (CST) ON 03/29/96, THE LICENSEE TERMINATED THE UNUSUAL EVENT AND WILL NOTIFY STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED R4DO BLAINE MURRAY, NRR EO LEE SPESSARD, AND FEMA AUSTIN.

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Power Reactor

Event # 30210

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: SAINT LUCIE                 |           | Notification Date / Time: 03/31/1996 15:02 (EST) |   |
| Unit: 2                           | Region: 2 | State : FL                                       | Event Date / Time: 03/31/1996 14:30 (EST) |
| Reactor Type: [1] CE,[2] CE       |           | Last Modification: 04/01/1996                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: ED LYONS         |           | Notifications: GEORGE AL BELISLE RDO             |   |
| HQ Ops Officer: RUDY KARSCH       |           | LEE SPESSARD EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | CIBOCH FEMA                                      |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AT 1430 DUE TO IDENTIFIED RCS LEAKAGE GREATER THAN THE 10 GPM TECH SPEC LIMIT.

BETWEEN 1245 AND 1255, REACTOR COOLANT SYSTEM LEAKAGE OF 29 GPM WAS OBSERVED FROM THE LETDOWN SYSTEM "A" CHEMICAL ION EXCHANGER INLET VALVE PACKING. BYPASSING THE ION EXCHANGER TERMINATED THE LEAK. APPROXIMATELY 350 GALLONS WENT INTO AN EQUIPMENT DRAIN TANK.

THE UNUSUAL EVENT WAS TERMINATED AT 1443 WHEN THE LEAKAGE WAS STOPPED. THE LICENSEE WILL REPAIR THE VALVE.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS AND WILL ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 0007 ON 04/01/96 BY DAVE FIELDS ENTERED BY JOLLIFFE \*\*\*

THE FOLLOWING REPORT CLARIFIES THE ABOVE REPORT:

AT APPROXIMATELY 1155 ON 03/31/96, CONTROL ROOM OPERATORS OBSERVED THAT THE UNIT 2 VOLUME CONTROL TANK (VCT) LEVEL WAS DROPPING VERY SLOWLY. CONTROL ROOM OPERATORS SUSPECTED, BUT HAD NOT CONFIRMED, THAT REACTOR COOLANT SYSTEM (RCS) INVENTORY LOSS EXCEEDED THE TECH SPEC LIMIT OF GREATER THAN 1.0 GPM OF UNIDENTIFIED LEAKAGE. CONTROL ROOM OPERATORS COMMENCED AN RCS INVENTORY BALANCE AND AN EXTENSIVE SEARCH FOR POSSIBLE LEAK PATHS.

AT 1246, CONTROL ROOM OPERATORS NOTED AN INCREASED RATE OF VCT LEVEL DROP AND A MOMENTARY LETDOWN FLOW RATE INCREASE TO GREATER THAN 100 GPM AND THEN IT RETURNED TO APPROXIMATELY 82 GPM. SUBSEQUENT LICENSEE INVESTIGATION SHOWED THAT THE

Power Reactor

Event # 30210

INVENTORY LOSS RATE APPEARED TO BE APPROXIMATELY 29 GPM.

AT 1255, CONTROL ROOM OPERATORS BYPASSED THE LETDOWN ION EXCHANGERS WHICH STOPPED THE RCS INVENTORY LOSS. AN RCS INVENTORY BALANCE CONFIRMED THAT THE RCS INVENTORY LOSS RATE WAS APPROXIMATELY 0 GPM AND WITHIN TECH SPEC LIMITS.

LICENSEE INVESTIGATION INDICATED THAT THE GREATER THAN 1.0 GPM LEAK APPEARED TO BE COMING FROM THE #2A PURIFICATION ION EXCHANGER INLET ISOLATION VALVE STEM LEAKOFF. THE INVESTIGATION ALSO INDICATED THAT A LETDOWN SYSTEM RELIEF VALVE APPEARED TO HAVE BEEN LIFTING BETWEEN 1246 AND 1255 AND IS SUSPECTED TO BE THE SOURCE OF THE RAPID RCS INVENTORY LOSS DURING THIS PERIOD. THIS RELIEF VALVE RELIEVES TO HOLDUP TANKS WHICH SHOWED A LEVEL INCREASE CORRESPONDING TO APPROXIMATELY 400 GALLONS.

SUBSEQUENT LICENSEE REVIEW OF THIS SITUATION LED TO THE DECLARATION OF THE UNUSUAL EVENT AT 1430 BASED UPON RCS LEAK RATE EXCEEDING THE TECH SPEC LIMIT OF 1.0 GPM UNIDENTIFIED LEAKAGE. THE LICENSEE ALSO TERMINATED THE UNUSUAL EVENT AT 1430.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS OF BOTH THE DECLARATION AND THE TERMINATION OF THE UNUSUAL EVENT.

THE LICENSEE WILL REPAIR THE VALVE.

THE HOO NOTIFIED R2DO GEORGE AL BELISLE AND EO LEE SPESSARD OF THIS UPDATE.

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Power Reactor

Event # 30213

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WATERFORD                   |           | Notification Date / Time: 04/01/1996 14:21 (EST) |   |
| Unit: 3                           | Region: 4 | State : LA                                       | Event Date / Time: 04/01/1996 12:58 (CST) |
| Reactor Type: [3] CE              |           | Last Modification: 04/01/1996                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: DARYL CORNETT    |           | Notifications: TOM STETKA RDO                    |   |
| HQ Ops Officer: LEIGH TROCINE     |           | ED GOODWIN, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | BERNIE WITSBERGER FEMA                           |   |
| 10 CFR Section:                   |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO A TOXIC CHEMICAL EMERGENCY AT NEARBY FACILITY

AT 1258 CST, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO NOTIFICATION OF A TOXIC CHEMICAL EMERGENCY (XYLENE FIRE) AT SHELL-WHITCO. (SHELL-WHITCO IS A FACILITY LOCATED APPROXIMATELY 1.1 MILES SOUTH-SOUTHEAST OF WATERFORD UNIT 3.) AS A PRECAUTIONARY MEASURE, THE LICENSEE ISOLATED ALL OF THE VENTILATION TO THE REACTOR AUXILIARY AND FUEL HANDLING BUILDINGS AND PLACED THE CONTROL ROOM IN RECIRCULATION. THE WIND WAS BLOWING AWAY FROM THE PLANT (FROM THE NORTH-NORTHWEST), AND NO PROTECTIVE ACTIONS WERE TAKEN. THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT WHEN THE TOXIC CHEMICAL EMERGENCY AT SHELL-WHITCO IS TERMINATED.

THE LICENSEE NOTIFIED THE ST. CHARLES AND ST. JOHNS PARISHES, THE LOUISIANA OFFICE OF ENVIRONMENTAL PROTECTION, THE LOUISIANA RADIATION PROTECTION DIVISION, WATERFORD UNITS 1 AND 2, AND THE NRC RESIDENT INSPECTOR.

\*\*\* 1538 APRIL 1, 1996, UPDATE FROM CORNETT RECEIVED BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1428 CST DUE TO THE TERMINATION OF THE TOXIC CHEMICAL EMERGENCY AT SHELL-WHITCO. OPERATORS ARE CURRENTLY RESTORING ALL OF THE VENTILATION SYSTEMS TO THE NORMAL LINEUP AND IS ALSO TAKING THE CONTROL ROOM OUT OF RECIRCULATION.

THE LICENSEE NOTIFIED THE ST. CHARLES AND ST. JOHNS PARISHES, THE LOUISIANA OFFICE OF ENVIRONMENTAL PROTECTION, THE LOUISIANA RADIATION PROTECTION DIVISION, WATERFORD UNITS 1 AND 2, AND THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R4DO (STETKA), NRR EO (GOODWIN), AND FEMA (WITSBERGER).

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Fuel Cycle Facility

Event # 30239

|                                       |  |  |      |
|---------------------------------------|--|--|------|
| Facility: COMBUSTION ENGINEERING INC. |  | Notification Date / Time: 04/05/1996 13:34 (EST) |      |
| Licensee: COMBUSTION ENGINEERING INC. |  | Event Date / Time: 04/05/1996 11:46 (CST)        |      |
| Fac Type: URANIUM FUEL FABRICATION    |  | Last Modification: 04/05/1996                    |      |
| Region: 3                             |  | Docket #: 07000036                               |      |
| City: HEMATITE                        |  | Agreement State: No                              |      |
| County: JEFFERSON                     |  | License #: SNM-33                                |      |
| State: MO                             |  |  |      |
| NRC Notified by: EARL SAITO           |  | Notifications: JIM CREED                         | RDO  |
| HQ Ops Officer: DOUG WEAVER           |  | DON COOL   | EO   |
| Emergency Class: UNUSUAL EVENT        |  | GARY CIBOCH                                      | FEMA |
| 10 CFR Section:                       |  |  |      |

**FIRE IN THE BULK DRYING ROOM**

AN ELECTRICAL FIRE IN THE POWER SUPPLY CABLES TO A FURNACE WAS EXTINGUISHED WITH PORTABLE FIRE EXTINGUISHERS. NO SPECIAL NUCLEAR MATERIAL WAS INVOLVED. NO ONE WAS INJURED. THERE WAS NO CONTAMINATION SPREAD AND NO OFFSITE RESOURCES WERE CALLED FOR ASSISTANCE. THE PLANT WAS NOT IN OPERATION TODAY. A FIRE WATCH HAS BEEN STATIONED TO PREVENT THE FIRE FROM REFLASHING.

THE FIRE WAS DISCOVERED AT 1146 CST AND THE UNUSUAL EVENT WAS DECLARED AT 1150. THE FIRE WAS PUT OUT AND THE UNUSUAL EVENT TERMINATED BY 1205 CST. NO PRESS RELEASE IS PLANNED.

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Power Reactor

Event # 30248

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: DRESDEN                            |            | Notification Date / Time: 04/08/1996 15:37 (EDT) |   |                 |            |                 |
| Unit: 1                                  | Region: 3  | State : IL                                       | Event Date / Time: 04/08/1996 14:15 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |            | Last Modification: 04/08/1996                    |   |                 |            |                 |
| Containment Type: MARK I                 |            |  |   |                 |            |                 |
| NRC Notified by: STEVE MATTSON           |            | Notifications: BRUCE BURGESS RDO                 |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH              |            | CHAFFEE EO                                       |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                          |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |            |  |   |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION     |            |  |   |                 |            |                 |
| Unit                                     | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1  | N          | No   | 0   | Decommissioned  | 0          | Decommissioned  |

POTENTIALLY CONTAMINATED INJURED INDIVIDUAL TRANSPORTED TO A LOCAL HOSPITAL.

A CONTRACTOR WORKER INJURED IN A FALL IN A CONTAMINATED AREA WAS TRANSPORTED TO MORRIS HOSPITAL. THE WORKER'S ANTI-Cs WERE CUT AWAY FROM HIS BODY, BUT BECAUSE OF HIS INJURY HE WAS NOT ROLLED OVER TO REMOVE THE BACK OF HIS CLOTHING. THE CLOTHING MIGHT BE CONTAMINATED. HEALTH PHYSICS TECHNICIANS ACCOMPANIED HIM TO THE HOSPITAL. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE ILLINOIS DEPARTMENT OF NUCLEAR SAFETY.

\*\*\* UPDATE AT 1706 EDT FROM MATTSON TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT TERMINATED AT 1555 CDT. THE SURVEY DETERMINED THAT THE INDIVIDUAL WAS NOT CONTAMINATED AND NO CONTAMINATED MATERIALS WERE PRESENT. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR AND APPROPRIATE STATE AGENCIES. NRC R3DO (BURGESS), NRC EO (BUTCHER), AND FEMA (BELCHER) NOTIFIED.

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Power Reactor

Event # 30253

|                                |                      |  |            |                 |            |                 |
|--------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: CLINTON                  |                      | Notification Date / Time: 04/09/1996 15:13 (EDT) |            |                 |            |                 |
| Unit: 1                        | Region: 3 State : IL | Event Date / Time: 04/09/1996 13:40 (CDT)        |            |                 |            |                 |
| Reactor Type: [1] GE-6         |                      | Last Modification: 04/09/1996                    |            |                 |            |                 |
| Containment Type: MARK III     |                      |  |            |                 |            |                 |
| NRC Notified by: RAY ZACHOLSKI |                      | Notifications: BRUCE BURGESS RDO                 |            |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH    |                      | CHRIS GRIMES, NRR EO                             |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT |                      | AUSTIN FEMA                                      |            |                 |            |                 |
| 10 CFR Section:                |                      | BARRETT ERB                                      |            |                 |            |                 |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   |  |            |                 |            |                 |
| 50.72(b)(2)(ii)                | RPS ACTUATION        |  |            |                 |            |                 |
| 50.72(b)(2)(ii)                | ESF ACTUATION        |  |            |                 |            |                 |
| 50.72(b)(2)(vi)                | OFFSITE NOTIFICATION |  |            |                 |            |                 |
| Unit                           | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                              | A/R                  | Yes  | 100        | Power Operation | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED BECAUSE ALL CONTROL RODS DID NOT IMMEDIATELY INSERT FOLLOWING A REACTOR TRIP.

FAILURE OF THE RESERVE AUXILIARY TRANSFORMER (RAT) INITIATED A REACTOR TRIP. FOLLOWING THE TRIP, THE CONTROL ROOM OPERATOR NOTICED THAT SOME OF THE CONTROL RODS DID NOT FULLY INSERT INTO THE REACTOR CORE. ALTERNATE ROD INSERTION WAS INITIATED, AFTER WHICH ALL ROD POSITIONS WERE OBSERVED TO BE FULLY INSERTED. THE LICENSEE WILL STUDY INSTRUMENTATION OUTPUT TO DETERMINE THE ACTUAL PERFORMANCE AND TIMING FOR EACH CONTROL ROD.

FOLLOWING THE FAILURE OF THE RAT, POWER WAS TRANSFERRED TO THE EMERGENCY RESERVE TRANSFORMER. NONE OF THE EMERGENCY DIESEL GENERATORS AUTOMATICALLY STARTED. THE MAIN STEAM ISOLATION VALVES (MSIV) CLOSED DUE TO A "LOSS OF CONTROL AIR" SIGNAL ASSOCIATED WITH LOSS OF THE RAT. CURRENTLY, VESSEL LEVEL CONTROL IS VIA THE REACTOR CORE ISOLATION COOLING SYSTEM, PRESSURE CONTROL IS VIA SAFETY RELIEF VALVES, SUPPRESSION POOL COOLING IS VIA ONE TRAIN OF RESIDUAL HEAT REMOVAL. THE LICENSEE IS WORKING TO REOPEN THE MSIVs IN ORDER TO USE THE MAIN CONDENSER TO REMOVE DECAY HEAT.

THE UNUSUAL EVENT WILL BE TERMINATED WHEN NORMAL ELECTRICAL POWER IS RESTORED AND WHEN THE REASON FOR ALL CONTROL RODS NOT INERTING FULLY IS UNDERSTOOD. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE ILLINOIS EMERGENCY MANAGEMENT AGENCY.

\*\*\* 1608 EDT APRIL 9, 1996, UPDATE FROM ZACHOLSKI TAKEN BY KARSCH \*\*\*

THE AC BUS WAS RESTORED AT 1450 CDT. THE FAULT WAS A PHASE SHORT ASSOCIATED WITH GAS CIRCUIT BREAKER 4522. THE RAT WAS SUCCESSFULLY RECOVERED, AND THE LICENSEE IS WORKING TO RESTORE SUPPORT SYSTEMS SO THE MAIN CONDENSER CAN BE USED TO REMOVE

Power Reactor

Event # 30253

DECAY HEAT. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (BURGESS), NRR EO (GRIMES), AND FEMA (AUSTIN).

\*\*\* 1703 EDT APRIL 9, 1996, UPDATE FROM ZACHOLSKI TAKEN BY KARSCH \*\*\*

A PRESS RELEASE HAS BEEN ISSUED BY THE LICENSEE. THE R3RA WAS FAXED A COPY.

\*\*\* 1825 AND 1928 EDT APRIL 9, 1996, UPDATES FROM KALKA AND DUNN TAKEN BY KARSCH \*\*\*

SYSTEM RECOVERY CONTINUES WITH SERVICE WATER, AIR, AND CONTROL ROD DRIVE WATER RESTORED. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (BURGESS).

\*\*\* 2030 EDT APRIL 9, 1996, UPDATE FROM EARL TAKEN BY KARSCH \*\*\*

THE LICENSEE IS CONTINUING SYSTEM RECOVERY.

\*\*\* 2127 EDT APRIL 9, 1996, UPDATE FROM DUNN TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT TERMINATED AT 2005 CDT. THE LICENSEE DETERMINED THAT ALL CONTROL RODS INSERTED FULLY WITHIN THREE SECONDS OF THE REACTOR TRIP. THE ROD CONTROL AND INFORMATION SYSTEM (RCIS) BECAME INOPERABLE DURING THE REACTOR TRIP AND LOCKED UP AT AN INDICATED POSITION FOR THE CONTROL RODS. RCIS HAS BEEN RESET, AND ALL RODS INDICATE FULL IN. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (BURGESS), NRR EO (HANNON), AND FEMA (STORER). (REFER TO EVENT #30262 FOR ADDITIONAL INFORMATION.)

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Power Reactor

Event # 30262

|  |                      |  |            |                 |            |                 |
|--|----------------------|--|------------|-----------------|------------|-----------------|
| Site: CLINTON  |                      | Notification Date / Time: 04/10/1996 04:44 (EDT) |            |                 |            |                 |
| Unit: 1  | Region: 3 State : IL | Event Date / Time: 04/10/1996 03:00 (CDT)        |            |                 |            |                 |
| Reactor Type: [1] GE-6                                 |                      | Last Modification: 04/10/1996                    |            |                 |            |                 |
| Containment Type: MARK III                             |                      |  |            |                 |            |                 |
| NRC Notified by: PHILLIP A. SHORT                      |                      | Notifications: BRUCE BURGESS RDO                 |            |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE                          |                      | JOHN HANNON, NRR EO                              |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT                         |                      | RALPH HERSKO FEMA                                |            |                 |            |                 |
| 10 CFR Section:  |                      | FRANK CONGEL IRD                                 |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>TECH SPEC LCO A/S |                      |  |            |                 |            |                 |
| Unit   | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1  | N                    | No   | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

**DECLARATION OF UNUSUAL EVENT DUE THE REACTOR COOLANT BOTTOM HEAD DRAIN TEMPERATURE INCREASING GREATER THAN 100°F PER HOUR**

BETWEEN 2210 CDT AND 2310 CDT ON APRIL 9, 1996, THE REACTOR COOLANT BOTTOM HEAD DRAIN TEMPERATURE INCREASED GREATER THAN 100°F PER HOUR. THIS REQUIRED ENTRY INTO TECHNICAL SPECIFICATION 3.4.11 AND REQUIRES THAT A NOTIFICATION OF UNUSUAL EVENT BE DECLARED. THE CONDITION WAS CORRECTED ALMOST IMMEDIATELY (WITHIN THE ALLOTTED 30-MINUTE TIME FRAME OF THE TECHNICAL SPECIFICATION), AND AN ENGINEERING EVALUATION OF THE REACTOR COOLANT SYSTEM IS REQUIRED PRIOR TO RESUMING OPERATIONS. APPARENTLY, THERE WAS ONE READING THAT WAS 20°F TO 25°F HIGHER THAN THE THE REST OF THE READINGS (WHICH WERE BEING TAKEN AT 5-MINUTE INTERVALS). THIS INDICATION IS SUSPECT AND WAS ORIGINALLY DISCOUNTED. THE LICENSEE CHECKED THE RECORDER BUT DID NOT FIND A REASON TO DISCOUNT THE READING. THE UNUSUAL EVENT WAS DECLARED AT 0300 CDT ON APRIL 10, 1996.

THE LICENSEE PLANS TO STAY IN THE UNUSUAL EVENT UNTIL THERE IS GOOD CONTROL AND THERE IS ASSURANCE THAT THIS WILL NOT OCCUR AGAIN. READINGS ARE CURRENTLY BEING TAKEN AT 30-MINUTE INTERVALS. THE LICENSEE IS ALSO CURRENTLY WORKING TOWARD GETTING THE REACTOR RECIRCULATION SYSTEM RESTARTED FOLLOWING AN EARLIER EVENT (#30253). THE CONDENSER IS NOT AVAILABLE, AND THE LICENSEE IS USING SAFETY RELIEF VALVES TO REMOVE DECAY HEAT. RESIDUAL HEAT REMOVAL IS IN SUPPRESSION POOL COOLING, AND THE CONTROL ROD DRIVE SYSTEM IS IN ITS NORMAL MODE. REACTOR CORE ISOLATION COOLING IS OCCASIONALLY BEING USED AS A SUPPLEMENT.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL GOVERNMENTS.

\*\*\* UPDATE AT 2146 EDT ON 04/10/96, FROM HALVERSON TAKEN BY KARSCH \*\*\*

Power Reactor

Event # 30262

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1945 CDT. ENGINEERING EVALUATION DETERMINED THAT THIS EVENT IS WITHIN THE ANALYZED DESIGN BASIS FOR THE PLANT. RECIRCULATION PUMP 'B' HAS BEEN PLACED IN SERVICE TO PREVENT THERMAL STRATIFICATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL GOVERNMENT AGENCIES. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (BURGESS), NRR EO (HANNON), AND FEMA (STORER).

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Power Reactor

Event # 30285

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: COOK                          |           | Notification Date / Time: 04/14/1996 09:57 (EDT) |   |
| Unit: 2                             | Region: 3 | State : MI                                       | Event Date / Time: 04/14/1996 10:00 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 04/21/1996                    |   |
| Containment Type: ICE COND          |           |  |   |
| NRC Notified by: CLAYTON CHA        |           | Notifications: BRUCE BURGESS RDO                 |   |
| HQ Ops Officer: DICK JOLLIFFE       |           | JOHN HANNON, NRR EO                              |   |
| Emergency Class: UNUSUAL EVENT      |           | JIM MUSE FEMA                                    |   |
| 10 CFR Section:                     |           | RICH BARRETT AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

- UNUSUAL EVENT DECLARED ON UNIT 2 DUE TO BOTH EDGs BEING INOPERABLE -

UNIT 1 IS AT 100% POWER WITH TWO OF TWO EDGs OPERABLE. UNIT 2 IS IN MODE 6 IN A REFUELING OUTAGE WITH THE ENTIRE CORE OFFLOADED INTO THE SPENT FUEL POOL. ONE OF TWO UNIT 2 EDGs ('CD') IS INOPERABLE FOR MAINTENANCE ACTIVITIES.

AT 1000, THE LICENSEE DECLARED THE SECOND OF TWO UNIT 2 EDGs ('AB') INOPERABLE FOR MAINTENANCE ACTIVITIES AND DECLARED AN UNUSUAL EVENT ON UNIT 2 IN ACCORDANCE WITH THE EMERGENCY PLAN DUE TO TWO OF TWO UNIT 2 EDGs BEING INOPERABLE WITH UNIT 2 IN MODE 6 WITH THE CORE DEFUELED. THERE IS NO UNIT 2 TECHNICAL SPECIFICATION LCO ACTION STATEMENT APPLICABLE TO TWO OF TWO EDGs BEING INOPERABLE WITH UNIT 2 IN MODE 6 WITH THE CORE DEFUELED. THE LICENSEE DECLARED THE UNIT 2 'AB' EDG INOPERABLE WHILE THE UNIT 2 'CD' EDG WAS INOPERABLE SO AS NOT TO EXTEND THE LENGTH OF THE UNIT 2 REFUELING OUTAGE BEYOND THE PRESENT SCHEDULED UNIT 2 RESTART DATE OF MAY 5, 1996.

THE NORMAL ELECTRICAL POWER SUPPLY (OFFSITE POWER) FOR BOTH UNITS FOR THE SPENT FUEL POOL COOLING SYSTEM IS AVAILABLE, AND THE UNIT 1 BACKUP POWER SUPPLY (TWO EDGs) FOR THE SPENT FUEL COOLING SYSTEM IS AVAILABLE. THE UNIT 2 BACKUP POWER SUPPLY (TWO EDGs) FOR THE SPENT FUEL POOL COOLING SYSTEM IS INOPERABLE.

THE LICENSEE PLANS TO COMPLETE THE MAINTENANCE ACTIVITIES ON THE 'CD' EDG, DECLARE IT OPERABLE, AND TERMINATE THE UNUSUAL EVENT WITHIN 2 DAYS.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* 0925 APRIL 21, 1996, UPDATE FROM BRUCK RECEIVED BY TROCINE \*\*\*

Power Reactor

Event # 30285

THE LICENSEE TESTED BOTH INOPERABLE EDGs AND DID NOT NOTE ANY PROBLEMS. BECAUSE BOTH EDGs ARE NOW AVAILABLE (NOT OPERABLE), THE LICENSEE EXITED THE UNUSUAL EVENT AT 0920. THE LICENSEE NEEDS TO REVIEW START TIME TEST DATA BEFORE MAKING TECHNICAL SPECIFICATION OPERABILITY DETERMINATIONS FOR THE EDGs.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND COUNTY OFFICIALS. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (CLAYTON), ERB (BARRETT), NRR EO (MATTHEWS), AND FEMA (STORER).

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Power Reactor

Event # 30330

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HATCH                       |            | Notification Date / Time: 04/20/1996 09:26 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 2  | State : GA                                       | Event Date / Time: 04/20/1996 09:14 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 04/20/1996                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: BARRY COLEMAN    |            | Notifications: CHARLES CASTO RDO                 |   |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE     |            | DAVID MATTHEWS, NRR EO                           |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | BUTCH STINEDURF FEMA                             |   |                 |            |                 |
| 10 CFR Section:                   |            | RICH BARRETT ERB                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL    |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

# UNUSUAL EVENT DUE TO THE TRANSPORT OF A POTENTIALLY CONTAMINATED INJURED INDIVIDUAL OFFSITE

A CONTRACTOR FELL APPROXIMATELY TEN FEET OFF SCAFFOLDING IN THE DRYWELL AND SUSTAINED SEVERE HEAD INJURIES AND POSSIBLE CHEST INJURIES. THE INDIVIDUAL WAS NOT FRISKED AND WAS TRANSPORTED AS CONTAMINATED (WITH SOME OF HIS PROTECTIVE CLOTHING ON) TO A MEDICAL FACILITY VIA AN AMBULANCE AT 0914. THE LICENSEE DECLARED AN UNUSUAL EVENT AT THAT TIME DUE TO THE TRANSPORT OF A POTENTIALLY CONTAMINATED INJURED INDIVIDUAL OFFSITE. THE LICENSEE CURRENTLY PLANS TO TERMINATE THE UNUSUAL EVENT WHEN HEALTH PHYSICS PERSONNEL CAN CONFIRM THAT THE INDIVIDUAL IS NOT CONTAMINATED.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL OFFICIALS.

\*\*\* 1047 APRIL 20, 1996, UPDATE FROM COLEMAN RECEIVED BY TROCINE \*\*\*

THE INJURED INDIVIDUAL WAS SURVEYED AT THE HOSPITAL AND WAS FOUND TO BE CONTAMINATED (SLIGHTLY OVER THE LIMIT OF 100 COUNTS PER MINUTE OVER A 1,000 SQUARE CENTIMETER AREA). THE INDIVIDUAL WAS DECONTAMINATED AND TRANSPORTED FROM THE APPLING COUNTY HOSPITAL IN BAXLEY, GEORGIA, TO SAVANNAH, GEORGIA VIA A HELICOPTER. THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1036 WHEN THE INDIVIDUAL WAS NO LONGER CONTAMINATED.

THE LICENSEE PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL OFFICIALS. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CASTO), THE NRR EO (MATTHEWS), AND FEMA (AUSTIN).

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Power Reactor

Event # 30359

|                                       |            |  |   |                 |            |                 |
|---------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: LIMERICK                        |            | Notification Date / Time: 04/25/1996 13:57 (EDT) |   |                 |            |                 |
| Unit: 1 2                             | Region: 1  | State : PA                                       | Event Date / Time: 04/25/1996 13:45 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4       |            | Last Modification: 04/26/1996                    |   |                 |            |                 |
| Containment Type: MARK II MARK II     |            |  |   |                 |            |                 |
| NRC Notified by: BOB DELANEY          |            | Notifications: GENE KELLY RDO                    |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE         |            | BOB DENNIG, NRR EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT        |            | SULLIVAN FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                       |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION         |            |  |   |                 |            |                 |
| Unit                                  | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                     | N          | Yes  | 93  | Power Operation | 93         | Power Operation |
| 2                                     | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

**- UNUSUAL EVENT DECLARED DUE TO INVALID CONTROL ROOM TOXIC GAS ALARM -**

AT 1357, THE LICENSEE DECLARED AN UNUSUAL EVENT WHEN A TOXIC GAS ALARM WAS RECEIVED IN THE COMMON CONTROL ROOM. ONE COMMON CONTROL ROOM TOXIC GAS MONITOR INDICATED 50 PPM AMMONIA; THE SECOND MONITOR INDICATED 10 PPM AMMONIA; AND THE THIRD MONITOR INDICATED 0 PPM AMMONIA.

CONTROL ROOM OPERATORS MANUALLY ISOLATED THE COMMON CONTROL ROOM HVAC SYSTEM AND SHIFTED IT TO THE RECIRC MODE. THE LICENSEE SAMPLED THE CONTROL ROOM ATMOSPHERE AND CONTROL ROOM VENTILATION DUCT WORK AND DETERMINED THAT NO TOXIC FUMES WERE PRESENT IN THE CONTROL ROOM.

THE LICENSEE CONTACTED THE NEARBY CHEMICAL PLANT TO INQUIRE ABOUT AN AMMONIA RELEASE; THE CHEMICAL PLANT REPRESENTATIVE WAS GOING TO CHECK INTO IT AND REPORT BACK TO LIMERICK.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

AT 1400, CONTROL ROOM OPERATORS SHIFTED THE CONTROL ROOM HVAC SYSTEM BACK TO NORMAL MODE AND TERMINATED THE UNUSUAL EVENT.

THE LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE LICENSEE IS INVESTIGATING THE CAUSE OF THIS EVENT.

THIS EVENT HAD NO EFFECT ON OPERATIONS OF UNITS 1 OR 2.

Power Reactor

Event # 30359

\*\*\* UPDATE AT 1323 ON 04/26/96 BY BOB DELANEY ENTERED BY JOLLIFFE \*\*\*

THE LICENSEE DETERMINED THAT THE TOXIC GAS ANALYZERS RESPONDED TO FUMES RELEASED BY A SEALANT BEING APPLIED TO THE EXTERIOR OF THE CONTROL BUILDING. ALL EXTERIOR CLEANING AND SEALING ACTIVITIES WERE SUSPENDED PENDING ADDITIONAL LICENSEE EVALUATION.

THERE WAS NO RELEASE OF TOXIC GAS FROM THE NEARBY CHEMICAL PLANT.

THE LICENSEE WILL DETERMINE THE CAUSE OF THIS EVENT AND SUBMIT AN LER TO THE NRC.

THE LICENSEE NOTIFIED STATE OFFICIALS AND THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED THE R1DO GENE KELLY.

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Power Reactor

Event # 30411

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BIG ROCK POINT              |            | Notification Date / Time: 05/03/1996 08:55 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 3  | State : MI                                       | Event Date / Time: 05/03/1996 08:30 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-1            |            | Last Modification: 05/03/1996                    |   |                 |            |                 |
| Containment Type:                 |            |  |   |                 |            |                 |
| NRC Notified by: MIKE BOURASSA    |            | Notifications: MARK RING RDO                     |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |            | CHRIS GRIMES EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | RICH BARRETT AEOD                                |   |                 |            |                 |
| 10 CFR Section:                   |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) ENS INOPERABLE     |            |  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 92  | Power Operation | 92         | Power Operation |

LOSS OF ALL EMERGENCY NOTIFICATION SYSTEM (ENS) AND LONG DISTANCE TELEPHONES AND SUBSEQUENT CONSERVATIVE DECLARATION OF UNUSUAL EVENT DUE TO POTENTIAL DIFFICULTY OF STATE AND LOCAL AGENCIES IN RESPONDING TO AN EVENT

THE PLANT LOST ALL ENS AND COMMERCIAL TELEPHONES. THIS IS AN AREA WIDE PROBLEM. REPAIRS ARE BEING MADE. THERE IS A WORKING CELLULAR TELEPHONE IN THE CONTROL ROOM. (REFER TO THE HOO LOG FOR THE NUMBER OF THE CELLULAR TELEPHONE.) THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* 1113 MAY 3, 1996, UPDATE FROM BOURASSA TAKEN BY STRANSKY \*\*\*

THE LICENSEE CONSERVATIVELY DECLARED AN UNUSUAL EVENT AT 1100 DUE TO THE POTENTIAL DIFFICULTY OF STATE AND LOCAL AGENCIES IN RESPONDING TO AN EVENT. THE LICENSEE REPORTED THAT THE CAUSE OF THE TELEPHONE OUTAGE IS A SEVERED FIBER OPTIC CABLE IN THE AREA OF THE PLANT. THE TELEPHONE COMPANY EXPECTS TO HAVE THE CABLE REPAIRED BY APPROXIMATELY 1300. LOCAL TELEPHONE SERVICE TO THE PLANT IS NOT ADVERSELY AFFECTED. THE LICENSEE HAS STAFFED ITS EMERGENCY OPERATING FACILITY, WHICH HAS LONG-DISTANCE TELEPHONE CAPABILITY AND WHICH CAN BE REACHED LOCALLY BY THE PLANT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (RING), AEOD/ERB (BARRETT), NRR EO (GOODWIN), AND FEMA (KNUPP).

\*\*\* 1352 MAY 3, 1996, UPDATE FROM BOURASSA TAKEN BY TROCINE \*\*\*

ENS AND LONG DISTANCE TELEPHONE CAPABILITIES WERE SATISFACTORILY RESTORED AND TESTED, AND THE UNUSUAL EVENT WAS TERMINATED AT 1342. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (RING), AEOD/ERB (BARRETT), NRR EO (GOODWIN), AND FEMA (CIBOCH).

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Power Reactor

Event # 30460

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: ROBINSON                    |           | Notification Date / Time: 05/13/1996 19:33 (EDT) |   |
| Unit: 2                           | Region: 2 | State : SC                                       | Event Date / Time: 05/13/1996 19:00 (EDT) |
| Reactor Type: [2] W-3-LP          |           | Last Modification: 05/13/1996                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: DON McCASKILL    |           | Notifications: JACK CRLENJAK RDO                 |   |
| HQ Ops Officer: LEIGH TROCINE     |           | BRIAN SHERON, NRR EO                             |   |
| Emergency Class: UNUSUAL EVENT    |           | GENE KANUPP FEMA                                 |   |
| 10 CFR Section:                   |           | RICH BARRETT, ERB AEOD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(vi) FIRE (ONSITE)     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# DECLARATION OF AN UNUSUAL EVENT DUE TO A FIRE IN THE MECHANICAL EQUIPMENT ROOM OF THE CHEMISTRY BUILDING LASTING GREATER THAN TEN MINUTES

AT 1848, AN AIR COMPRESSOR LOCATED IN THE MECHANICAL EQUIPMENT ROOM OF THE CHEMISTRY BUILDING CAUGHT FIRE. A LOCAL ALARM WAS RECEIVED, AND THE FIRE WAS EXTINGUISHED AT 1901 (WITHIN 13 MINUTES) VIA THE AUTOMATIC SPRINKLERS. THE CHEMISTRY BUILDING IS NOT ATTACHED TO THE POWER BLOCK OR THE AUXILIARY BUILDING, BUT IT IS LOCATED WITHIN THE PROTECTED AREA. THE LOWER LEVEL OF THE CHEMISTRY BUILDING IS LOCATED PRIMARILY IN THE RADIATION CONTROL AREA, AND THE UPPER LEVEL IS LOCATED OUTSIDE OF THE RADIATION CONTROL AREA. THE FIRE OCCURRED IN THE UPPER LEVEL. THE CAUSE OF THE FIRE IS CURRENTLY UNDER INVESTIGATION.

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1900 DUE TO A FIRE INSIDE THE PROTECTED AREA LASTING LONGER THAN TEN MINUTES. THE UNUSUAL EVENT WAS TERMINATED AT 1906 WHEN THE FIRE WAS EXTINGUISHED AND THE FIRE ALARM ALL CLEAR WAS SOUNDED.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES.

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Power Reactor

Event # 30469

|  |                    |  |   |
|--|--------------------|--|---|
| Site: DRESDEN                            |                    | Notification Date / Time: 05/15/1996 12:37 (EDT) |   |
| Unit: 3                                  | Region: 3          | State : IL                                       | Event Date / Time: 05/15/1996 10:43 (CDT) |
| Reactor Type: [1] GE-1,[2] GE-3,[3] GE-3 |                    | Last Modification: 05/15/1996                    |   |
| Containment Type: MARK I                 |                    |  |   |
| NRC Notified by: THOMAS MOHR             |                    | Notifications: ROY CANIANO RDO                   |   |
| HQ Ops Officer: LEIGH TROCINE            |                    | ROBERT DENNIG, NRR EO                            |   |
| Emergency Class: UNUSUAL EVENT           |                    | BAGWELL FEMA                                     |   |
| 10 CFR Section:                          |                    | FRANK CONGEL AEOD                                |   |
| 50.72(a)(1)(i)                           | EMERGENCY DECLARED | HENRY BAILEY AEOD                                |   |
| 50.72(b)(1)(iv)                          | ECCS INJECTION     | JOE GILLILAND PAO                                |   |
| 50.72(b)(2)(ii)                          | RPS ACTUATION      |  |   |
| 50.72(b)(2)(ii)                          | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | A/R        | Yes     | 83         | Power Operation | 0          | Hot Shutdown    |

DECLARATION OF UNUSUAL EVENT DUE TO OVERALL DEGRADED PLANT CONDITIONS, AUTOMATIC REACTOR SCRAM ON LOW REACTOR VESSEL WATER LEVEL DUE TO A LOSS OF FEEDWATER FLOW WITH THE FEEDWATER PUMPS RUNNING, EMERGENCY CORE COOLING SYSTEM (ECCS) DISCHARGE TO REACTOR VESSEL, AND MAIN STEAM ISOLATION VALVE (MSIV) CLOSURE

AT 1043 (CDT), THE REACTOR AUTOMATICALLY SCRAMMED FROM 83% POWER DUE TO LOW REACTOR VESSEL WATER LEVEL WHICH RESULTED FROM A LOSS OF FEEDWATER FLOW WITH THE FEEDWATER PUMPS RUNNING. ALL CONTROL RODS FULLY INSERTED ON THE REACTOR SCRAM, AND REACTOR VESSEL WATER LEVEL DECREASED TO -59 INCHES ON THE MEDIUM RANGE INDICATION CAUSING A GROUP '1' (MSIV) ISOLATION AND ECCS INITIATION. THE HIGH PRESSURE COOLANT INJECTION (HPCI) SYSTEM BEGAN INJECTING WATER INTO THE REACTOR VESSEL DUE TO THE ECCS INITIATION, AND MANUAL HPCI CONTROL WAS ESTABLISHED TO RESTORE REACTOR VESSEL WATER LEVEL TO NORMAL. NONE OF THE SAFETY RELIEF VALVES LIFTED AS A RESULT OF THIS TRANSIENT, AND ALL SYSTEMS FUNCTION AS REQUIRED WITH THE EXCEPTION OF THE '1A' MSIV. THIS VALVE APPEARED TO REOPEN FOLLOWING RESET OF THE GROUP '1' ISOLATION SIGNAL. OPERATORS GAVE THE VALVE A CLOSED SIGNAL, AND IT APPEARED TO RECLOSE.

UNIT 3 IS STABLE IN CONDITION 3 (HOT SHUTDOWN). OPERATORS ARE CURRENTLY UTILIZING THE ISOLATION CONDENSER TO CONTROL REACTOR VESSEL PRESSURE. THE HPCI SYSTEM HAS BEEN SECURED, AND OPERATORS ARE CURRENTLY UTILIZING CONTROL ROD DRIVE PUMPS TO CONTROL REACTOR VESSEL WATER LEVEL. THE CONDENSATE AND FEEDWATER PUMPS HAVE ALSO BEEN SECURED. DRYWELL PRESSURE IS CURRENTLY LESS THAN 2 POUNDS, AND CONTAINMENT PRESSURE IS APPROXIMATELY 1.2 POUNDS WHICH IS CONSIDERED TO BE NORMAL. CONTAINMENT TEMPERATURE IS BETWEEN 90°F AND 100°F. THERE HAS BEEN NO INCREASE IN CONTAINMENT SUMP LEVEL, AND SUPPRESSION POOL PARAMETERS ARE NORMAL. THERE HAVE BEEN REPORTS OF INCREASED INPUT TO THE TURBINE BUILDING SUMPS, BUT THE SOURCE OF THE LEAKAGE HAS NOT BEEN VERIFIED. THE INPUT TO THE TURBINE BUILDING SUMPS HAS DECREASED AND HAS APPARENTLY STOPPED. THE LICENSEE PLANS TO PLACE UNIT 3 IN A COLD SHUTDOWN CONDITION

Power Reactor

Event # 30469

AND A PLANT COOLDOWN IS IN PROGRESS.

PRIOR TO THIS EVENT, 1 OF 2 ('A') MAIN FEEDWATER REGULATING (MFW REG) VALVES WAS CLOSED AND INOPERABLE DUE TO A PACKING LEAK. THE LICENSEE'S EVENT REVIEW TO DETERMINE THE CAUSE OF THE LOSS OF FEEDWATER IS CURRENTLY IN PROGRESS. THE LICENSEE HAS DETERMINED THAT THE FEEDWATER LINE IS INTACT, AND LICENSEE PERSONNEL ARE CONTINUING TO PERFORM WALKDOWNS OF THE CONDENSATE AND FEEDWATER SYSTEMS. THERE HAS BEEN NO INDICATION OF ANY BROKEN LINES AT THIS TIME. THE LICENSEE'S CURRENT NON-CONFIRMED PROBABLE DIAGNOSIS OF THE CAUSE OF THIS EVENT INVOLVES THE FAILURE OF THE 'B' MFW REG VALVE. CLOSURE OF THE 'B' MFW REG VALVE COULD HAVE CAUSED AN INCREASE IN FEEDWATER LINE PRESSURE WHICH IN TURN COULD HAVE CAUSED FEEDWATER SYSTEM RELIEF VALVES TO LIFT. THE RELIEF VALVES COULD HAVE DRAINED INTO TROUGHS WHICH COULD HAVE OVERFLOWED ONTO THE FLOOR, AND THE WATER COULD THEN HAVE DRAINED DOWN TO THE TURBINE BUILDING SUMPS. THE SUMP LEVEL INCREASE MAY HAVE STOPPED BECAUSE THE CONDENSATE AND FEEDWATER PUMPS HAVE BEEN SECURED.

THERE WERE NO SIGNIFICANT MAINTENANCE ACTIVITIES OCCURRING AT THE TIME OF THIS EVENT. HOWEVER, THE LICENSEE WAS STARTING TO PERFORM NORMAL MONTHLY LOW PRESSURE ECCS SURVEILLANCES, AND A PLANT CLEANUP DAY WAS IN PROGRESS. THE LICENSEE DID NOT BELIEVE THAT THESE EVENTS WERE RELATED TO THIS PLANT TRANSIENT.

AT 1122 (CDT), THE LICENSEE DECLARED AN UNUSUAL EVENT BASED UPON OVERALL DEGRADED PLANT CONDITIONS. THE LICENSEE BELIEVED THAT THIS ACTION WAS PRUDENT IN ORDER TO GET NEEDED SUPPORT DUE TO THE LOW REACTOR VESSEL WATER LEVEL CONDITION, DUE TO THE UNCERTAIN CONDITION OF THE FEEDWATER SYSTEM, AND DUE TO THE REPORTS OF WATER LEAKAGE IN THE PLANT THAT THE LICENSEE IS CURRENTLY ATTEMPTING TO VERIFY. UNUSUAL EVENT TERMINATION CRITERIA HAVE NOT BEEN ESTABLISHED AT THIS TIME. THE LICENSEE PLANS TO PROVIDE UPDATES TO THE NRC OPERATION CENTER WHEN THE SOURCE OF THE WATER LEAKAGE HAS BEEN IDENTIFIED AND WHEN THE EMERGENCY CLASSIFICATION OF UNUSUAL EVENT HAS CHANGED.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, THE STATE RESIDENT INSPECTOR, AND THE STATE OF ILLINOIS.

\*\*\* UPDATE AT 1630 ON MAY 15, 1996 FROM PALANYK RECEIVED BY TROCINE \*\*\*

UNIT 3 IS IN CONDITION 3 (HOT SHUTDOWN) WITH REACTOR PRESSURE AT 150 POUNDS AND DECREASING BECAUSE OF THE PLANT COOLDOWN. REACTOR WATER LEVEL IS IN ITS NORMAL BAND AND IS STILL BEING MAINTAINED BY USE OF THE CONTROL ROD DRIVE SYSTEM. IN ADDITION, THE ISOLATION CONDENSER IS STILL BEING UTILIZED FOR REACTOR VESSEL PRESSURE CONTROL AND PLANT COOLDOWN. THE LICENSEE CURRENTLY PLANS ON TRANSITIONING TO THE USE OF THE SHUTDOWN COOLING SYSTEM WITHIN THE NEXT FEW HOURS. UNIT 3 IS STABLE AND THE PLANT COOLDOWN IS IN PROGRESS.

THE LICENSEE HAS WALKED DOWN THE FEEDWATER SYSTEM, HAS REVIEWED THE CONTROL ROOM PARAMETERS, AND HAS IDENTIFIED NO SIGNIFICANT DEGRADATION SUCH AS A RUPTURE OR BREAK IN THE FEEDWATER SYSTEM. THE CONDENSATE AND FEEDWATER PUMPS ARE STILL SECURED, AND THE SYSTEM HAS BEEN PRESSURIZED FOR RETURN TO SERVICE, IF NEEDED. ALL UNIT 3 ECCS EQUIPMENT IS AVAILABLE, IF NEEDED.

THE LICENSEE IS STILL EVALUATING THE CAUSE OF THE CONDITION THAT CAUSED THE LOW LEVEL REACTOR SCRAM AND CURRENTLY BELIEVES THAT THE 'B' MFW REG VALVE MAY HAVE FAILED IN THE CLOSED POSITION. THIS HYPOTHESIS IS STILL UNDER INVESTIGATION, AND A FINAL CONCLUSION HAS NOT YET BEEN DETERMINED. APPARENTLY, THE MFW REG VALVE CONTROLLER

Power Reactor

Event # 30469

WAS INDICATING THE NEED FOR WATER DURING THE TRANSIENT, AND THE FEEDWATER PUMPS WERE RUNNING.

THE UNUSUAL EVENT IS STILL IN EFFECT, AND THE LICENSEE PLANS TO CONTINUE TO COOL UNIT 3 DOWN TO A COLD SHUTDOWN CONDITION. THE LICENSEE HAS ALSO TAKEN SAMPLES OF THE REACTOR WATER IN ORDER TO VERIFY FUEL INTEGRITY PRIOR TO REOPENING THE MSIVs. THE SAMPLE RESULTS ARE EXPECTED TO BE AVAILABLE AT APPROXIMATELY 1600 (CDT). AT THAT TIME, THE LICENSEE WILL REEVALUATE THE EMERGENCY CLASSIFICATION TERMINATION CRITERIA. THE LICENSEE WILL ALSO NOTIFY THE NRC OPERATIONS CENTER OF ANY CHANGES IN THE EMERGENCY CLASSIFICATION OF UNUSUAL EVENT.

THE LICENSEE HAD NOT INFORMED THE NRC RESIDENT INSPECTOR OF THIS UPDATE AT THE TIME OF THIS NOTIFICATION. THE HOO NOTIFIED R3DO CANIANO, AEOD BAILEY, AND NRR EO DENNIG.

\*\*\* UPDATE AT 0016 ON MAY 16, 1996 BY VERCELLI RECEIVED BY JOLLIFFE \*\*\*

AT 2308 (CDT) ON MAY 15, 1996, THE LICENSEE TERMINATED THE UNUSUAL EVENT. UNIT 3 IS STABLE IN CONDITION 4 (COLD SHUTDOWN). WATER SAMPLES INDICATE NO FUEL LEAKAGE. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. THE HOO NOTIFIED R3DO CANIANO, NRR EO DENNIG, AND FEMA SIBOCH OF THE TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 30495

|                                   |                    |  |   |
|-----------------------------------|--------------------|--|---|
| Site: ARKANSAS NUCLEAR            |                    | Notification Date / Time: 05/19/1996 05:02 (EDT) |   |
| Unit: 1                           | Region: 4          | State : AR                                       | Event Date / Time: 05/19/1996 03:30 (CDT) |
| Reactor Type: [1] B&W-L-LP,[2] CE |                    | Last Modification: 05/19/1996                    |   |
| Containment Type: DRY AMB         |                    |  |   |
| NRC Notified by: L MCCARTY        |                    | Notifications: PHIL HARRELL RDO                  |   |
| HQ Ops Officer: JOHN MacKINNON    |                    | GARY HOLAHAN EO                                  |   |
| Emergency Class: UNUSUAL EVENT    |                    | DAN RISHE FEMA                                   |   |
| 10 CFR Section:                   |                    | FRANK CONGEL (IRD) AEOD                          |   |
| 50.72(a)(1)(i)                    | EMERGENCY DECLARED |  |   |
| 50.72(b)(1)(iv)                   | ECCS INJECTION     |  |   |
| 50.72(b)(2)(ii)                   | RPS ACTUATION      |  |   |
| 50.72(b)(2)(ii)                   | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

MANUAL REACTOR TRIP AFTER LOSS OF BOTH MAIN FEEDWATER PUMPS. THE "B" ONCE THROUGH STEAM GENERATOR (OTSG) RELIEF STUCK OPEN AND CAUSED AN UNCONTROLLED DEPRESSURIZATION OF THE OTSG.

THE LICENSEE MANUALLY TRIPPED THE REACTOR AFTER THE LOSS OF BOTH MAIN FEEDWATER PUMPS. ALL RODS FULLY INSERTED INTO THE CORE. THE MOTOR DRIVEN AND THE TURBINE DRIVEN EMERGENCY FEEDWATER PUMPS AUTOSTARTED ON LOW OTSG WATER LEVEL. THE "B" OTSG HAD TO BE MANUALLY ISOLATED AFTER ONE OF ITS RELIEF VALVES STUCK OPEN WHICH CAUSED AN UNCONTROLLED DEPRESSURIZATION OF THE OTSG. THE RELIEF VALVE APPEARS TO HAVE CLOSED AFTER "B" OTSG PRESSURE WAS REDUCED. THE "B" OTSG WAS BLOWN DOWN AND IS NOW CONSIDERED DRY. THE LICENSEE PLANS TO GAG THE RELIEF VALVE (PSV-2685) AND THEN INCREASE "B" OTSG WATER LEVEL USING AN EMERGENCY FEEDWATER PUMP. LOWEST PRESSURIZER LEVEL WAS 32". A HIGH PRESSURE INJECTION PUMP WAS MANUALLY STARTED PER THEIR EMERGENCY OPERATING PROCEDURE DUE TO OVER COOLING CONDITION TO SUPPORT THE NORMALLY OPERATING MAKE UP PUMP TO MAINTAIN PROPER PRESSURIZER WATER LEVEL (LETDOWN WAS MANUALLY ISOLATED). LOWEST REACTOR COOLANT TEMPERATURE WAS 535°F. HOT STANDBY REACTOR COOLANT TEMPERATURE IS 552°F. THE HIGH PRESSURE INJECTION PUMP THAT WAS MANUALLY STARTED HAS BEEN SECURED. THE "A" OTSG ATMOSPHERIC VALVE IS BEING USED TO CONTROL REACTOR COOLANT SYSTEM TEMPERATURE BECAUSE OF LOW CONDENSER VACUUM DUE TO THE LOSS OF GLAND SEAL STEAM TO THE CONDENSER WHICH COMES FROM THE "B" OTSG. THE "A" OTSG DOES NOT HAVE ANY LEAKING TUBES. ALL EMERGENCY CORE COOLING SYSTEMS AND THE EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE IF NEEDED. THE ELECTRICAL GRID IS ALSO STABLE. THE LICENSEE IS BRINGING IN ENGINEERS TO EVALUATE USING EMERGENCY FEEDWATER TO RECOVER "B" OTSG WATER LEVEL. THE LICENSEE WILL THEN USE EMERGENCY FEEDWATER TO RECOVER OTSG "B" WATER LEVEL AFTER DISCUSSIONS WITH B&W.

THE LICENSEE MADE A MISTAKE WHEN THEY INFORMED THE STATE THAT THEY WERE IN AN ALERT

Power Reactor Event # 30495  
EMERGENCY CLASSIFICATION INSTEAD OF BEING IN UNUSUAL EVENT EMERGENCY CLASSIFICATION.

THE NRC RESIDENT INSPECTOR WAS INFORMED OF THIS EVENT BY THE LICENSEE.

\*\*\*UPDATE @ 0700 EDT 05/19/96 BY STEVE STUMBAUGH TAKEN BY MACKINNON\*\*\*

MAIN CONDENSER VACUUM HAS BEEN RESTORED AND "A" OTSG IS NOW DUMPING STEAM TO THE MAIN CONDENSER. THE LICENSEE IS PREPARING TO GAG THE RELIEF VALVE.

\*\*\*CONFERENCE CALL SET UP @ 715 EDT 05/19/96\*\*\*

A CONFERENCE CALL WAS SET UP BETWEEN REGION 4 AND HEADQUARTERS CONCERNING THE ABOVE EVENT. THE PARTICIPANTS WERE: REGION 4 ADMINISTRATOR (JOE CALLAN), DIVISION OF REACTOR PROJECTS DIRECTOR (JIM DYER), REGION 4 (TERRY REIS), R4DO (PHIL HARRELL), AND SENIOR RESIDENT INSPECTOR (KRISS KENNEDY), NRR EO (GARY HOLAHAN), AND AEOD IRD (FRANK CONGEL).

\*\*\*\*COMMISSIONERS ASSISTANTS BRIEFING @ 13:00 05/19/96\*\*\*\*

THE COMMISSIONERS ASSISTANTS BRIEFING INCLUDED: BAILEY/BARRETT(ERB), LANDAU/HENDERSON(PAO), BANGART(SP), MITCHELL(EDO), HOLAHAN(NRR EO), HART(SECY), CALLAHAN(CA), MCOSKER(CHAIRMAN), SORENSEN(ROGERS), LUBENAU/CHAN(DICUS), KENNEDY(SRI), BECKNER(NRR), KALMAN(PM), CALLAN(RA), DYER/REIS(REG 4), AND HARRELL(RDO).

\*\*\*UPDATE AT 14:24 FROM PRUITT TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 13:04CDT. NORMAL FEEDWATER HAS BEEN RESTORED TO THE "B" OTSG AND EMERGENCY FEEDWATER HAS BEEN SECURED. THE RI WILL BE NOTIFIED. R4DO (HARRELL), EO (HOLAHAN), FEMA (CALDWELL), & IRD (CONGEL) NOTIFIED.

\*\*\*UPDATE 2254 EDT 05/19/96 BY MARK GOHMAN TAKEN BY MACKINNON\*\*\*

FROM SEQUENCE OF EVENTS: 1. "A" MAIN FEEDWATER PUMP TRIPPED, 2. THE LICENSEE THINKS THAT THE REACTOR AUTOMATICALLY TRIPPED ON HIGH REACTOR COOLANT SYSTEM PRESSURE JUST WHEN THE REACTOR WAS MANUALLY TRIPPED, AND THEN 3. "B" MAIN FEEDWATER PUMP TRIPPED (LICENSEE THINKS THE "B" MAIN FEEDWATER PUMP TRIPPED ON HIGH DISCHARGE PRESSURE). THE INTEGRATED CONTROL SYSTEM (ICS) SHOULD HAVE PREVENTED THE REACTOR FROM TRIPPING ON HIGH REACTOR COOLANT SYSTEM PRESSURE AFTER THE "A" MAIN FEEDWATER PUMP TRIPPED. THE LICENSEE IS INVESTIGATING THIS PROBLEM.

IT APPEARS THAT THE COTTER PIN HOLDING THE NUT IN PLACE ON THE STEM OF THE RELIEF VALVE WAS NOT CRIMPED PROPERLY OR IT BROKE OFF. THE NUT SITS ON TOP OF THE RELIEF VALVE MANUAL LIFT LEVER. WHEN THE RELIEF VALVE OPENED THE NUT ON TOP OF THE MANUAL LIFT LEVER VIBRATED DOWN THE SHAFT. WHEN "B" OTSG PRESSURE GOT LOW ENOUGH FOR THE RELIEF VALVE TO RESEAT THE NUT JAMED ON THE VALVE BODY WHICH PREVENTED THE RELIEF VALVE FROM PROPERLY RESEATING. R4DO (PHIL HARRELL) NOTIFIED.

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Power Reactor

Event # 30531

| Site: BYRON   |            | Notification Date / Time: 05/23/1996 09:36 (EDT) |            |                 |            |                 |
|---|------------|--|------------|-----------------|------------|-----------------|
| Unit: 1 2   | Region: 3  | Event Date / Time: 05/23/1996 08:04 (CDT)        |            |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP   |            | Last Modification: 05/24/1996                    |            |                 |            |                 |
| Containment Type: DRY AMB DRY AMB   |            |  |            |                 |            |                 |
| NRC Notified by: DAVE COLTMAN   |            | Notifications: JIM MCCORMICKBARGER RDO           |            |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE   |            | ROBERT DENNIG, NRR EO                            |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT  |            | HOWARD EARL FEMA                                 |            |                 |            |                 |
| 10 CFR Section:   |            | FRANK CONGEL, IRD AEOD                           |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>50.72(b)(2)(ii) RPS ACTUATION<br>50.72(b)(2)(ii) ESF ACTUATION<br>50.72(b)(1)(iii) LIGHTNING |            |  |            |                 |            |                 |
| Unit  | Scram Code | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1   | N          | No   | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2   | M/R        | Yes  | 100        | Power Operation | 0          | Hot Standby     |

UNIT 1: UNUSUAL EVENT DUE TO A COMPLETE LOSS OF OFFSITE POWER DURING A SEVERE LIGHTNING STRIKE WITH THE UNIT IN A REFUELING OUTAGE - UNIT 2: MANUAL TRIP FROM 100% POWER DUE TO THE LOSS OF INSTRUMENT AIR AND SERVICE WATER

DURING A REFUELING OUTAGE WITH THE FUEL RELOADED INTO THE CORE, UNIT 1 SUFFERED A COMPLETE LOSS OF OFFSITE POWER DURING A SEVERE LIGHTNING STRIKE AT 0804 CDT. AT 0822 CDT, THE LICENSEE DECLARED AN UNUSUAL EVENT ON UNIT 1 DUE TO THE LOSS OF OFFSITE POWER FOR GREATER THAN 15 MINUTES. THE LIGHTNING STRIKE APPARENTLY CAUSED A FAULT ON PHASE 'AB' OF 6.9-KV STATION AUXILIARY TRANSFORMER (SAT) 142-2 WHICH RESULTED IN SAT 142-2 DELUGE INITIATION. THE DELUGE INITIATION IN TURN CAUSED AN '86' LOCK-OUT (BUS OVERCURRENT) ON SATs 142-2 AND 142-1. BOTH UNIT 1 SAFETY BUSES WERE RE-ENERGIZED BY THE EMERGENCY DIESEL GENERATORS.

PRIOR TO THE EVENT, THE UNIT 2 STATION AIR COMPRESSOR WAS OUT OF SERVICE FOR MAINTENANCE, AND UNIT 2 INSTRUMENT AIR WAS BEING SUPPLIED VIA THE UNIT 1 FEED. AS A RESULT, THE LICENSEE MANUALLY TRIPPED UNIT 2 FROM 100% AT 0806 CDT DUE TO A LOSS OF INSTRUMENT AIR AND SERVICE WATER. ALL RODS FULLY INSERTED, AND ALL UNIT 2 SAFEGUARDS EQUIPMENT FUNCTIONED AS REQUIRED. IN ADDITION, THERE WAS A FEEDWATER ISOLATION AND AN AUTOMATIC AUXILIARY FEEDWATER ACTUATION AS A RESULT OF THE TRIP. UNIT 2 SOURCE RANGE INSTRUMENT N-31 DID NOT RE-ENERGIZE AFTER THE MANUAL REACTOR TRIP, AND AN INVESTIGATION IS IN PROGRESS. SOURCE RANGE INSTRUMENT N-32 IS AVAILABLE.

UNIT 2 IS CURRENTLY STABLE IN MODE 3 (HOT STANDBY). CHARGING THROUGH THE REACTOR COOLANT PUMP SEALS, PRESSURIZER PRESSURE-OPERATED RELIEF VALVES AND HEATERS, AND THE REACTOR COOLANT PUMPS ARE BEING UTILIZED FOR PRIMARY SYSTEM INVENTORY, PRESSURE, AND TRANSPORT CONTROL. AUXILIARY FEEDWATER IS BEING SUPPLIED TO THE STEAM GENERATORS, AND SECONDARY STEAM IS BEING RELIEVED TO ATMOSPHERE MANUALLY VIA THE STEAM GENERATOR POWER-OPERATED RELIEF VALVES. THERE HAS BEEN NO HISTORY OF STEAM

Power Reactor

Event # 30531

GENERATOR TUBE LEAKAGE. THE UNIT 2 EMERGENCY DIESEL GENERATORS ARE ALSO AVAILABLE IF NEEDED.

ALL SYSTEMS FUNCTIONED AS REQUIRED ON BOTH UNITS WITH THE EXCEPTION OF UNIT 2 SOURCE RANGE INSTRUMENT N-31. THE LICENSEE IS CURRENTLY INVESTIGATING THE EXTENT OF THE DAMAGE DUE TO THE LIGHTNING STRIKE.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES.

\*\*\* 1125 MAY 23, 1996, HOO NOTE FROM REGION 3 (MILLER) \*\*\*

THE SITE HAS THREE 100% NON-ESSENTIAL SERVICE WATER PUMPS WHICH FEED A COMMON HEADER AND BRANCH TO EITHER UNIT. THE SERVICE WATER THEN PROVIDES TURBINE, FEEDWATER, AND SERVICE AIR COOLING. THE SERVICE AIR COMPRESSOR IN TURN SUPPLIES INSTRUMENT AIR. THE POWER SUPPLIES FOR TWO OF THE THREE SERVICE WATER PUMPS COME FROM UNIT 1 NON-ESSENTIAL POWER SUPPLIES, AND THE REMAINING SERVICE WATER PUMP IS SUPPLIED FROM A UNIT 2 NON-ESSENTIAL POWER SUPPLY. AT THE TIME OF THE EVENT, THE SERVICE WATER PUMP THAT IS POWERED FROM UNIT 2 WAS OUT OF SERVICE FOR MAINTENANCE, AND UNIT 2 SERVICE WATER WAS BEING SUPPLIED FROM THE SERVICE WATER PUMPS THAT WERE POWERED FROM THE UNIT 1 NON-ESSENTIAL POWER SUPPLIES. AS A RESULT, WHEN THE LOSS OF POWER OCCURRED ON UNIT 1, SERVICE WATER WAS LOST TO UNIT 2.

THE REGION RECEIVED AN UPDATE THAT THE LICENSEE HAD CROSS-TIED ONE ESSENTIAL POWER SUPPLY TO A NON-ESSENTIAL POWER SUPPLY TO RESTORE SERVICE WATER TO UNIT 2. THERE WERE ALSO EFFORTS UNDERWAY TO PROVIDE AN ALTERNATE METHOD OF RELIEVING SECONDARY STEAM IN LIEU OF UTILIZING THE STEAM GENERATOR POWER-OPERATED RELIEF VALVES.

THE NRC OPERATIONS CENTER NOTIFIED THE NRR EO (DENNIG).

\*\*\* UPDATE 1539 5/24/96 FROM SHAW TAKEN BY STRANSKY \*\*\*

UE TERMINATED AT 1430 CDT WHEN POWER TO UNIT 1 WAS RESTORED. THE NRC RESIDENT HAS BEEN INFORMED BY THE LICENSEE. THE HOO NOTIFIED R3DO (McCORMICK-BARGER), EO (ROE), FEMA (SWEITZER).

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Power Reactor

Event # 30597

|                                       |            |  |   |                 |            |                 |
|---------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: SALEM                           |            | Notification Date / Time: 06/07/1996 10:26 (EDT) |   |                 |            |                 |
| Unit: 2                               | Region: 1  | State : NJ                                       | Event Date / Time: 06/07/1996 09:30 (EDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP   |            | Last Modification: 06/07/1996                    |   |                 |            |                 |
| Containment Type: DRY AMB             |            |  |   |                 |            |                 |
| NRC Notified by: POLONCZYK            |            | Notifications: JENNY JOHANSEN RDO                |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD        |            | DENNIG EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT        |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                       |            | BARRETT ERB                                      |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |            |  |   |                 |            |                 |
| Unit                                  | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                     | N          | No   | 0   | Refueling       | 0          | Refueling       |

THE PLANT HAD A TOXIC GAS RELEASE THAT THREATENS PLANT PERSONNEL.

WHILE PERFORMING A PLANNED EVOLUTION TO ADD CHEMICALS TO THE SECONDARY SIDE OF THE STEAM GENERATORS, A LIQUID AMMONIA LEAK WAS OBSERVED FROM A PIPING CONNECTION. ALL PERSONNEL IN THE TURBINE BUILDING WERE EVACUATED FROM THE AREA AS A PRECAUTIONARY MEASURE. THE LEAK HAS BEEN ISOLATED AND THE AMMONIA HAS DISPERSED. SAMPLES TAKEN IN THE AREA WERE <50PPM AT ALL LOCATIONS. THE HIGHEST CONCENTRATION AT THE SUMP WAS 25PPM. WIND SPEED AT THE 33FT LEVEL IS 7MPH WITH THE DIRECTION FROM 160 DEGREES AND NO RAD RELEASES ARE IN PROGRESS. NORMAL ACCESS TO ALL AREAS IS PLANNED AS SOON AS THE FURTHER INVESTIGATION HAS BEEN COMPLETED. THERE WERE NO INJURIES AND ALL ACTIONS WERE PRECAUTIONARY. THE RI WILL BE NOTIFIED. THEY HAVE NOTIFIED THE STATES OF NEW JERSEY AND DELAWARE ALONG WITH LOWER ALLOWAYS CREEK TOWNSHIP.

\*\*\*UPDATE AT 11:13 ON 6/7/96 BY POLONCZYK TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 11:02 BECAUSE THE LEAK HAS BEEN SECURED AND THE AMMONIA HAS DISPERSED.

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Power Reactor

Event # 30605

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: INDIAN POINT                  |           | Notification Date / Time: 06/09/1996 10:00 (EDT) |   |
| Unit: 3                             | Region: 1 | State : NY                                       | Event Date / Time: 06/09/1996 09:35 (EDT) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP |           | Last Modification: 06/09/1996                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: VITO MESSINA       |           | Notifications: JENNY JOHANSEN RDO                |   |
| HQ Ops Officer: JOHN MacKINNON      |           | BILL BATEMAN EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |           | DAN RISHE FEMA                                   |   |
| 10 CFR Section:                     |           | FRANK CONGEL (IRD) AEOD                          |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

HYDROGEN DRYER #32 CONTROL PANEL DOOR BLEW OFF DUE TO HYDROGEN EXPLOSION. UNUSUAL EVENT DECLARED DUE TO REPORT OF EXPLOSION IN THE PROTECTED AREA.

ONE OF TWO HYDROGEN DRYER CONTROL PANEL DOORS ASSOCIATED WITH THE MAIN TURBINE GENERATOR BLEW OFF. LICENSEE BELIEVES THAT HYDROGEN LEAKED THROUGH THE ELECTRICAL CONDUIT INTO THE HYDROGEN DRYER ELECTRICAL CONTROL PANEL. LICENSEE BELIEVES THAT THE HYDROGEN IGNITED INSIDE THE HYDROGEN DRYER ELECTRICAL CONTROL PANEL CAUSING THE PANEL DOOR TO BLOW OFF. THE CONTROL PANEL WAS ISOLATED ELECTRICALLY AND MECHANICALLY AND THEN IT WAS DEPRESSURIZED. LICENSEE PLANS TO PURGE THE CONTROL PANEL WITH NITROGEN AND THEN REPAIR THE PANEL. THE DOOR IS APPROXIMATELY 2' BY 2' IN SIZE AND IT LANDED ON THE TURBINE BUILDING DECK. THERE WAS NO DAMAGE TO OTHER EQUIPMENT DUE TO THE EXPLOSION, NO FIRE, AND NOBODY WAS INJURED BY THE EXPLOSION. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT.

THE NRC RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE OF THIS EVENT.

\*\*\*\*UPDATE @ 1118EDT 06/09/96 BY DeCLEMENTE TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT TERMINATED AT 1110 EDT. OPERABILITY OF THE PLANT WAS NOT AFFECTED BY THE EXPLOSION. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS THAT THE UNUSUAL EVENT WAS TERMINATED AND ISSUED A PRESS RELEASE. R1DO (JENNY JOHANSEN), NRR EO (BILL BATEMAN), AND FEMA (CARR) NOTIFIED.

THE NRC RESIDENT INSPECTOR WAS INFORMED THAT THE UNUSUAL EVENT WAS TERMINATED.

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Power Reactor

Event # 30644

|                                     |                      |  |   |
|-------------------------------------|----------------------|--|---|
| Site: MCGUIRE                       |                      | Notification Date / Time: 06/19/1996 04:45 (EDT) |   |
| Unit: 1                             | Region: 2            | State : NC                                       | Event Date / Time: 06/19/1996 04:30 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                      | Last Modification: 06/19/1996                    |   |
| Containment Type: ICE COND          |                      |  |   |
| NRC Notified by: DAMERON            |                      | Notifications: CHARLES HOSEY RDO                 |   |
| HQ Ops Officer: DOUG WEAVER         |                      |  |   |
| Emergency Class: UNUSUAL EVENT      |                      |  |   |
| 10 CFR Section:                     |                      |  |   |
| 50.72(b)(1)(i)(A)                   | PLANT S/D REQD BY TS |  |   |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED   |  |   |
| 50.72(b)(2)(vi)                     | OFFSITE NOTIFICATION |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# -TECH SPEC REQUIRED SHUTDOWN - BOTH MOTOR DRIVEN AFW PUMPS INOPERABLE

THE 1A EDG WAS DECLARED INOPERABLE AT 0922 ON 6/18/96 DUE TO A VOLTAGE REGULATOR PROBLEM. DURING THE REQUIRED TEST RUN OF THE 1B EDG, THE LICENSEE DISCOVERED A FAILED FUEL INJECTOR ON THE 1B EDG. THE 1B EDG WAS DECLARED INOPERABLE AT 0430 ON 6/19/96. SINCE THE DIESELS SERVE AS THE EMERGENCY POWER SUPPLIES FOR THE MOTOR DRIVEN AFW PUMPS, BOTH AFW PUMPS HAVE BEEN DECLARED INOPERABLE.

TECH SPEC 3.7.1.2 REQUIRES THE PLANT BE PLACED IN HOT SHUTDOWN WITHIN SIX HOURS WHEN BOTH MOTOR DRIVEN AFW PUMPS ARE INOPERABLE. THE LICENSEE EXPECTS THE 1B EDG TO BE REPAIRED PRIOR TO THE EXPIRATION OF THE SIX HOUR TECH SPEC TIME LIMIT.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

# \*\*\* UPDATE AT 0636 EDT ON 6/19/96 FROM DAMERON TAKEN BY KARSCH \*\*\*

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0630 EDT BECAUSE BOTH EDGs WERE INOPERABLE FOR GREATER THAN TWO HOURS. UNIT 1 IS AT 81% POWER AND POWER REDUCTION AT 25% PER HOUR IS CONTINUING. THE LICENSEE EXPECTS TO COMPLETE THE REPLACEMENT OF THE DEFECTIVE INJECTOR WITHIN THE NEXT 15 MINUTES. UPON COMPLETION OF A ONE HOUR ENDURANCE RUN, THE "B" EDG WILL BE DECLARED OPERABLE AND THE UNUSUAL EVENT WILL BE TERMINATED. TROUBLE SHOOTING OF THE "A" EDG VOLTAGE REGULATOR IS CONTINUING. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, NORTH CAROLINA EMERGENCY MANAGEMENT, AND THE SURROUNDING COUNTIES. R2DO (HOSEY), NRR EOs (CAPRA & CHAFFEE), AND FEMA (BELCHER) NOTIFIED.

# \*\*\* UPDATE AT 0935 EDT ON 6/19/96 FROM SNYDER TAKEN BY WEAVER \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0932. THE "B" EDG HAS BEEN REPAIRED, RETESTED AND DECLARED OPERABLE. THE HOO NOTIFIED THE RDO (HOSEY); EO (CHAFFEE); FEMA

Power Reactor  
(DOMINICO)

Event #      30644

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Power Reactor

Event # 30667

|                                     |                    |  |   |
|-------------------------------------|--------------------|--|---|
| Site: SEQUOYAH                      |                    | Notification Date / Time: 06/23/1996 18:28 (EDT) |   |
| Unit: 1 2                           | Region: 2          | State : TN                                       | Event Date / Time: 06/23/1996 17:37 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                    | Last Modification: 06/23/1996                    |   |
| Containment Type: ICE COND ICE COND |                    |  |   |
| NRC Notified by: JEFF EPPERSON      |                    | Notifications: CHARLES HOSEY RDO                 |   |
| HQ Ops Officer: STEVE SANDIN        |                    | ROBERT CAPRA EO                                  |   |
| Emergency Class: UNUSUAL EVENT      |                    | KEN CIBOC FEMA                                   |   |
| 10 CFR Section:                     |                    | FRANK CONGEL IRD                                 |   |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED | DAVID LABARGE NRR                                |   |
| 50.72(b)(2)(ii)                     | RPS ACTUATION      |  |   |
| 50.72(b)(2)(ii)                     | ESF ACTUATION      |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT FOLLOWING AN EXPLOSION AND FIRE IN THE 500KV SWITCHYARD.

"AT 1737 EDT A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED AT SEQUOYAH DUE TO AN EXPLOSION WITHIN THE PROTECTED AREA WHICH CAUSED DAMAGE TO PERMANENT STRUCTURES.

AT 1714 EDT A 500KV SWITCHYARD BUS POTENTIAL TRANSFORMER EXPLODED WHICH RESULTED IN CLEARING OF THE AFFECTED BUS THROUGH RELAY AND BREAKER OPERATION. UNIT 1 TRIPPED DUE TO A GENERATOR TRIP CAUSED BY A DIFFERENTIAL RELAY OPERATION ON THE MAIN TRANSFORMER. UNIT 2 WAS UNAFFECTED BY THIS EVENT AND REMAINS AT FULL POWER.

OFFSITE POWER SOURCES ARE AVAILABLE AND OPERATING ADEQUATELY.

SHRAPNEL FROM THE EXPLODED POTENTIAL TRANSFORMER BROKE SOME WINDOWS ON THE WEST END OF THE TURBINE BUILDING AND CAUSED SOME VISIBLE SCARRING OF THE UNIT 1 MAIN TRANSFORMERS. NO SAFETY RELATED EQUIPMENT OR STRUCTURES WERE AFFECTED.

THE FIRE WAS EXTINGUISHED AT ~1740 EDT. THE NOTIFICATION OF UNUSUAL EVENT WAS TERMINATED AT 1807 EDT."

THE TRANSFORMER WHICH FAILED WAS RELATIVELY SMALL, i.e., CYLINDRICAL 10 FT. HIGH AND 2 FT. IN DIAMETER, LOCATED IN THE 500KV SWITCHYARD ABOUT 40 YARDS WEST OF THE TURBINE BUILDING. THIS TRANSFORMER STEPS THE 500KV BUS VOLTAGE DOWN TO 120VAC FOR LINE INSTRUMENTATION MONITORING. THE AFFECTED BUS REFERRED TO BY THE LICENSEE IS THE 500KV BUS #1.

FOLLOWING THE UNIT 1 TRIP, ALL EQUIPMENT FUNCTIONED AS EXPECTED. ALL RODS FULLY INSERTED, BOTH UNITS' EDGs AND ALL SAFETY EQUIPMENT ARE AVAILABLE. OFFSITE POWER

Power Reactor

Event # 30667

REMAINED STABLE DURING THE TRANSIENT. NO PRIMARY RELIEFS LIFTED. PRESSURIZER LEVEL DECREASED FROM THE PROGRAMMED LEVEL OF 58% TO 26% IMMEDIATELY FOLLOWING THE TRIP (PRESSURIZER HEATER LOW LEVEL CUTOUT IS 17%). STEAM GENERATOR WATER LEVELS DECREASED FROM APPROXIMATELY 70% TO 53% WIDE RANGE. ALL AUXILIARY FEEDWATER PUMPS ACTUATED ON THE LOSS OF BOTH MAIN FEEDWATER PUMPS, RETURNING LEVEL TO THE NORMAL POST TRIP BAND OF 33%-40%. DECAY HEAT IS CURRENTLY BEING REMOVED BY STEAM DUMP TO THE MAIN CONDENSER. THE LICENSEE WILL DETERMINE AND EVALUATE THE EXTENT OF DAMAGE PRIOR TO RESTART. THERE WERE NO INJURIES ASSOCIATED WITH THE FIRE AND EXPLOSION.

THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR. THERE IS NO PLAN AT THIS TIME TO ISSUE A PRESS RELEASE.

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Power Reactor

Event # 30696

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PRAIRIE ISLAND                |            | Notification Date / Time: 06/29/1996 16:41 (EDT) |   |                 |            |                 |
| Unit: 1 2                           | Region: 3  | State : MN                                       | Event Date / Time: 06/29/1996 14:33 (CDT) |                 |            |                 |
| Reactor Type: [1] W-2-LP,[2] W-2-LP |            | Last Modification: 06/30/1996                    |   |                 |            |                 |
| Containment Type: DRY AMB DRY AMB   |            |  |   |                 |            |                 |
| NRC Notified by: SORENSEN           |            | Notifications: RONALD GARDNER RDO                |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD      |            | ELINOR ADENSAM EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | BELCHER FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                     |            | BARRETT ERB                                      |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |
| 2                                   | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

PARTIAL LOSS OF OFFSITE POWER DUE TO SEVERE STORMS, REACTOR TRIP FROM 100% ON BOTH UNITS POSSIBLY DUE TO GENERATOR LOCKOUTS, AND DECLARATION OF UNUSUAL EVENT

A REACTOR TRIP OCCURRED ON BOTH UNITS POSSIBLY DUE TO GENERATOR LOCKOUTS, BUT THE LICENSEE IS STILL INVESTIGATING. THERE WAS ALSO A PARTIAL LOSS OF OFFSITE POWER (THREE OFFSITE POWER SUPPLIES) DUE TO SEVERE STORMS IN THE AREA, BUT THE 161-KV SPRING CREEK LINE AND THE 345-KV BYRON LINE ARE STILL AVAILABLE. THE LICENSEE DECLARED THE UNUSUAL EVENT AT 1505 CDT DUE TO CONDITIONS THAT INVOLVE OTHER THAN A CONTROLLED SHUTDOWN, AND THE LICENSEE IS CURRENTLY SUPPLYING POWER TO SAFEGUARDS BUSES ON BOTH UNITS VIA THE FOUR EMERGENCY DIESEL GENERATORS (EDG). THE PLANT IS CURRENTLY IN NATURAL CIRCULATION ON BOTH UNITS WITH ALL RODS FULLY INSERTED AND NO EMERGENCY CORE COOLING SYSTEM INJECTIONS. ALONG WITH THE EDG AUTOMATIC STARTS, THERE WAS ALSO ACTUATION OF AUXILIARY FEEDWATER AND THE SAFEGUARDS SEQUENCERS. THE LICENSEE DOES NOT PLAN TO CONNECT THE AVAILABLE OFFSITE POWER SUPPLY TO THE SAFEGUARDS BUSES UNTIL THE INVESTIGATION OF THE EVENT HAS BEEN COMPLETED.

THE NRC RESIDENT INSPECTOR WAS INFORMED ALONG WITH STATE AND LOCAL AGENCIES.

\*\*\* 0500 JUNE 30, 1996, MORNING PLANT STATUS CALL UPDATE BY TROCINE \*\*\*

THE SITE HAS FIVE OFFSITE POWER LINES THAT CAN SUPPLY POWER TO EITHER OF TWO COMMON BUSES. DURING THE TRANSIENT, THREE OF THE FIVE OFFSITE POWER LINES WERE LOST IN ADDITION TO ONE OF THE TWO COMMON BUSES (BUS #1). THEREFORE, THERE WERE TWO AVAILABLE LINES TO SUPPLY BUS #2.

BOTH UNITS ARE CURRENTLY IN HOT SHUTDOWN, AND THE LICENSEE HAS SINCE RESTORED THE BLUE LAKE LINE TO SUPPLY BUS #2. FOLLOWING THE RESTORATION OF BUS #1, THE LICENSEE PLANS TO SWAP ONE OF THE THREE AVAILABLE LINES FROM BUS #2 TO BUS #1 IN ORDER TO

Power Reactor

Event # 30696

PROVIDE THE UNITS WITH TWO SEPARATE OFFSITE POWER SOURCES. WHEN THESE ACTIONS ARE COMPLETED, THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT AND BEGIN ACTIONS TO RESTART THE UNITS (UNIT 1 POSSIBLY TONIGHT AND UNIT 2 POSSIBLY TOMORROW). THE LICENSEE ALSO CONFIRMED THAT THE AUTOMATIC REACTOR TRIPS WERE CAUSED BY GENERATOR LOCKOUTS.

THE NRC OPERATIONS CENTER NOTIFIED THE REGION 3 (GARDNER AND CLAYTON).

\*\*\* 1140 JUNE 30, 1996, UPDATE FROM SORENSEN RECEIVED BY TROCINE \*\*\*

THE LICENSEE HAS SECURED THE SAFEGUARDS EDGs AND RESTORED THE MINIMUM NUMBER OF OFFSITE POWER SOURCES REQUIRED BY THE TECHNICAL SPECIFICATIONS. AS A RESULT, THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1035 CDT ON JUNE 30, 1996. THERE ARE CURRENTLY THREE OFFSITE LINES SUPPLYING POWER TO COMMON SUBSTATION BUS #2. THE #1 SUBSTATION BUS HAS NOT YET BEEN RESTORED. BOTH UNITS ARE CURRENTLY IN HOT SHUTDOWN, AND THE LICENSEE PLANS TO RESTART THE UNITS TODAY. CRITICALITY FOR UNIT 1 MAY OCCUR AFTER 1600 CDT, AND CRITICALITY FOR UNIT 2 MAY OCCUR AFTER 2000 CDT.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AND PLANS TO NOTIFY THE APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (GARDNER), REGION 3 (CLAYTON), NRR EO (ADENSAM), AND FEMA (CIBOCH).

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Power Reactor

Event # 30730

|                                       |                      |   |  |                        |                   |                        |
|---------------------------------------|----------------------|---|--|------------------------|-------------------|------------------------|
| <b>Site:</b> GRAND GULF               |                      | <b>Notification Date / Time:</b> 07/10/1996 15:52 (EDT) |  |                        |                   |                        |
| <b>Unit:</b> 1                        | <b>Region:</b> 4     | <b>State :</b> MS                                       | <b>Event Date / Time:</b> 07/10/1996 14:30 (CDT) |                        |                   |                        |
| <b>Reactor Type:</b> [1] GE-6         |                      | <b>Last Modification:</b> 07/10/1996                    |  |                        |                   |                        |
| <b>Containment Type:</b> MARK III     |                      |   |  |                        |                   |                        |
| <b>NRC Notified by:</b> CADE          |                      | <b>Notifications:</b> BLAINE MURRAY RDO                 |  |                        |                   |                        |
| <b>HQ Ops Officer:</b> CHAUNCEY GOULD |                      | GOODWIN EO  |  |                        |                   |                        |
| <b>Emergency Class:</b> UNUSUAL EVENT |                      | HOUSKO FEMA   |  |                        |                   |                        |
| <b>10 CFR Section:</b>                |                      | BARRETT ERB   |  |                        |                   |                        |
| 50.72(a)(1)(i)                        | EMERGENCY DECLARED   |   |  |                        |                   |                        |
| 50.72(b)(1)(v)                        | ENS INOPERABLE       |   |  |                        |                   |                        |
| 50.72(b)(1)(v)                        | OTHER ASMT/COMM INOP |   |  |                        |                   |                        |
| <b>Unit</b>                           | <b>Scram Code</b>    | <b>RX Crit</b>  | <b>Init Power</b>                                | <b>Initial RX Mode</b> | <b>Curr Power</b> | <b>Current RX Mode</b> |
| 1                                     | N                    | Yes   | 100  | Power Operation        | 100               | Power Operation        |

THE PLANT HAS LOST ALL COMMUNICATIONS IN THE CONTROL ROOM AND TECHNICAL SUPPORT CENTER DUE TO A CABLE CUT.

THE LICENSEE HAS LOST THEIR COMMERCIAL TELEPHONE LINES, THE ENS LINES AND THE OFFSITE NOTIFICATION SYSTEM TO OTHER AGENCIES FROM THE CONTROL ROOM AND THE TSC. THEY DO HAVE OFFSITE COMMUNICATIONS IN THE CONTROL ROOM BY RADIO. THE LOSS OF COMMUNICATIONS IS DUE TO AN UNINTENTIONAL CABLE CUT. THEY EXPECT REPAIRS WILL BE MADE SOON. THE RI AND STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE ON 7/10/96 @ 19:06 BY WHITTEN TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 17:57CDT WHEN ALL TELECOM SYSTEMS WERE RESTORED AND TESTED. THE RI WILL BE NOTIFIED. REG 4 (MURRAY), FEMA (SULLIVAN) AND EO (GOODWIN) WERE NOTIFIED.

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Power Reactor

Event # 30734

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 07/10/1996 17:51 (EDT) |   |
| Unit: 1 2                         | Region: 2 | State : NC                                       | Event Date / Time: 07/10/1996 17:15 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 07/13/1996                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: KITCHEN          |           | Notifications: EDWARD MCALPINE RDO               |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | ED GOODWIN, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CEGIELSKI FEMA                                   |   |
| 10 CFR Section:                   |           | RICHARD BARRETT AEOD                             |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| COMM ASST BRIEF                   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

NOTIFICATION OF UNUSUAL EVENT DUE TO HURRICANE WARNING (REFER TO EVENT NUMBERS 30741, 30744, AND 30745 FOR ADDITIONAL INFORMATION.)

THE LICENSEE RECEIVED A HURRICANE WARNING FROM THE NATIONAL WEATHER SERVICE. THIS PLACES THE UNITS IN AN UNUSUAL EVENT PER THE LICENSEE'S EMERGENCY PROCEDURES. ALL SAFETY SYSTEMS ARE OPERABLE, AND THE LICENSEE PLANS TO PLACE BOTH UNITS IN A COLD SHUTDOWN CONDITION TWO HOURS PRIOR TO THE ARRIVAL OF HURRICANE FORCE WINDS.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED.

\*\*\* 1215 JULY 11, 1996, UPDATE FROM NRC REGION 2 (SHYMLOCK) TO TROCINE \*\*\*

NRC REGION 2 ENTERED THE MONITORING PHASE OF NORMAL MODE AT 1200 ON JULY 11, 1996, AND THE REGION 2 INCIDENT RESPONSE CENTER HAS BEEN STAFFED.

THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (MCALPINE), NRR EO (GOODWIN), AEOD IRD (JORDAN AND CONGEL), AND AEOD ERB (BAILEY).

\*\*\* 1600 JULY 11, 1996, UPDATE BY TROCINE \*\*\*

A COMMISSIONERS' ASSISTANTS' BRIEFING WAS CONDUCTED TO DISCUSS HURRICANE BERTHA. THE FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD (BARRETT, \*CONGEL, \*JORDAN, AND RUBIN), ERB (BAILEY AND JOLICOEUR), CHAIRMAN JACKSON (JOHNSON AND MILLER), COMMISSIONER DICUS (SORENSEN), COMMISSIONER ROGERS (CHAN), EDO (MCCABE AND STABLEIN), NRR EO (GOODWIN AND MARSH), NMSS EO (COOL), NRR (MAIER), NMSS (TROSOSKI), R2DO (\*MCALPINE), R1DO (\*TRAPP), PAO (HAYDEN), CAO (KEELING), SECY (\*HART), STATE (DROGGITIS), IP (\*CHANEY), BRIEFER (SHYMLOCK), REGION 2 (TROJANOWSKI), AND REGION 1 (COOPER, HINSON, KANE, MARTIN, AND WIGGINS).

Power Reactor

Event # 30734

\*\*\* 1727 JULY 11, 1996, UPDATE FROM THOMPSON RECEIVED BY TROCINE \*\*\*

THE BRUNSWICK SITE REMAINS IN AN UNUSUAL EVENT DUE TO THE HURRICANE WARNING THAT WAS ISSUED BY THE NATIONAL WEATHER SERVICE. THE LICENSEE ACTIVATED ITS EMERGENCY OPERATIONS FACILITY (EOF) AT 1659 AS A PRECAUTIONARY MEASURE, AND THE PERSONNEL IN THE EOF WILL BE COMMUNICATING WITH THE APPLICABLE STATE AND LOCAL FACILITIES. BOTH UNITS ARE CURRENTLY IN A HOT SHUTDOWN CONDITION, AND COOL DOWN OF BOTH UNITS IS IN PROGRESS. IN ADDITION, THE INTENSITY OF THE HURRICANE HAS LOWERED SOMEWHAT, AND HURRICANE LANDFALL IS CURRENTLY EXPECTED AT APPROXIMATELY 0600 ON JULY 12, 1996.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (MCALPINE) AND NRR EO (MARSH).

\*\*\* 1927 JULY 11, 1996, UPDATE FROM PALMETER RECEIVED BY TROCINE \*\*\*

UNITS 1 AND 2 ENTERED COLD SHUTDOWN AT 1754 AND 1845, RESPECTIVELY. THE METEOROLOGICAL DATA INDICATED THAT WIND SPEED IS CURRENTLY 25 MILES PER HOUR.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, AND THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (MCALPINE) AND NRR EO (MARSH).

\*\*\* 0900 JULY 12, 1996, UPDATE BY SANDIN \*\*\*

A SECOND COMMISSIONERS' ASSISTANTS' BRIEFING WAS HELD TO DISCUSS HURRICANE BERTHA. THE FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD (JORDAN), IRD (\*CONGEL), CHAIRMAN JACKSON (MILLER), COMMISSIONER ROGERS (SORENSEN), COMMISSIONER DICUS (CHAN), EDO (KROPP), EO (COOL AND DENNIG), PAO (GAGNER AND HAYDEN), CAO (MADDEN), SECY (HART), STATE (\*BANGART), BRIEFER (SHYMLOCK), AND OTHERS (MERR, TROJANOSKI, AND TROSKOSKI).

\*\*\* 1600 JULY 12, 1996, UPDATE BY TROCINE \*\*\*

A THIRD COMMISSIONERS' ASSISTANTS' BRIEFING WAS CONDUCTED TO DISCUSS HURRICANE BERTHA. THE FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD (BARRETT AND \*CONGEL), ERB (BAILEY AND JOLICOEUR), CHAIRMAN JACKSON (MILLER), COMMISSIONER ROGERS (\*SORENSEN), COMMISSIONER DICUS (CHAN), EDO (KOKAJKO AND \*STABLEIN), NRR EO (MARSH), NMSS EO (COMBS), NRR (KANTOR), NMSS (TROSKOSKI), R2DO (\*COLLINS), R1DO (\*TRAPP), REGION 2 (TROJANOWSKI), REGION 1 (HINSON), PAO (KOPECK), CAO (MADDEN), SECY (HILL), STATE (DROGGITIS), IP (\*CHANEY), AND BRIEFER (SHYMLOCK).

\*\*\* 2341 JULY 12, 1996, UPDATE FROM PALMETER TAKEN BY TROCINE \*\*\*

THE HURRICANE WARNINGS FOR BRUNSWICK AND NEW HANOVER COUNTIES WERE TERMINATED AT 2300, AND THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2337. THE SITE EMERGENCY RESPONSE ORGANIZATIONS WERE ALSO DEACTIVATED.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (MCALPINE); NRR EO (MARSH); FEMA (BAGWELL); AND R2IRC (PEEBLES).

\*\*\* 2345 JULY 12, 1996, UPDATE FROM NRC REGION 2 (PEEBLES) TO TROCINE \*\*\*

NRC REGION 2 EXITED THE MONITORING PHASE OF NORMAL MODE AT 2345.

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Power Reactor

Event # 30734

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 30748

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: SAINT LUCIE                 |            |           |            | Notification Date / Time: 07/13/1996 22:06 (EDT) |            |   |
| Unit: 2                           |            | Region: 2 |            | State : FL                                       |            | Event Date / Time: 07/13/1996 21:30 (EDT) |
| Reactor Type: [1] CE,[2] CE       |            |           |            | Last Modification: 08/01/1996                    |            |   |
| Containment Type:                 |            |           |            |  |            |   |
| NRC Notified by: JACK BREEN       |            |           |            | Notifications: EDWARD MCALPINE RDO               |            |   |
| HQ Ops Officer: LEIGH TROCINE     |            |           |            | LEDYARD MARSH, NRR EO                            |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | CEGIELSKI FEMA                                   |            |   |
| 10 CFR Section:                   |            |           |            | FRANK CONGEL, IRD AEOD                           |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                 | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

DECLARATION OF UNUSUAL EVENT DUE TO REACTOR COOLANT SYSTEM (RCS) LEAKAGE GREATER THAN 10 GALLONS PER MINUTE (GPM) CAUSED BY A PACKING LEAK ON A CHARGING PUMP

AT 2130, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO RCS LEAKAGE THAT WAS GREATER THAN 10 GPM (IDENTIFIED) IN ACCORDANCE WITH TECHNICAL SPECIFICATION 3.4.6.2. THE LEAKAGE WAS DUE TO A PACKING LEAK ON THE '2B' CHARGING PUMP. THE SUCTION AND DISCHARGE SIDES OF THIS POSITIVE DISPLACEMENT PUMP WERE MECHANICALLY ISOLATED AT 2132, AND THE UNUSUAL EVENT WAS TERMINATED AT 2135 WHEN THE '2B' CHARGING PUMP WAS ELECTRICALLY ISOLATED. DURING THIS EVENT, ALL CHARGING AND LETDOWN WAS ISOLATED, BUT IT HAS SINCE BEEN RESTORED.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES.

\*\*\* 1014 AUGUST 1, 1996, UPDATE FROM FIELDS RECEIVED BY TROCINE \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT. THE UNUSUAL EVENT CLASSIFICATION WAS CONSERVATIVELY BASED IN THAT THE LEAKAGE RATE WAS ESTIMATED QUALITATIVELY FROM EYE WITNESS ACCOUNTS. LICENSEE ENGINEERING PERSONNEL SUBSEQUENTLY PERFORMED A DETAILED QUANTITATIVE EVALUATION OF THE EVENT INCLUDING SUPPORTING CALCULATIONS BASED ON EYEWITNESS ACCOUNTS AND DETERMINED THAT THE MAXIMUM POSSIBLE LEAKAGE FROM THIS CHARGING PUMP SEAL FAILURE EVENT WAS APPROXIMATELY 4.1 GPM. THEREFORE, THE UNUSUAL EVENT DECLARATION CRITERIA OF GREATER THAN 10 GPM IDENTIFIED LEAKAGE WAS NOT REACHED. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (PEEBLES).

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Power Reactor

Event # 30855

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: SAINT LUCIE                 |           | Notification Date / Time: 08/09/1996 06:45 (EDT) |   |
| Unit: 1                           | Region: 2 | State : FL                                       | Event Date / Time: 08/09/1996 06:20 (EDT) |
| Reactor Type: [1] CE,[2] CE       |           | Last Modification: 08/09/1996                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: ED LYONS         |           | Notifications: MILTON SHYMLOCK RDO               |   |
| HQ Ops Officer: RUDY KARSCH       |           | AL CHAFFEE EO                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                   |           | FRANK CONGEL AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| TECH SPEC LCO A/S                 |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO UNIDENTIFIED REACTOR COOLANT SYSTEM LEAKAGE GREATER THAN ONE GALLON PER MINUTE (GPM).

AT 0420 EDT, A REACTOR COOLANT SYSTEM WATER INVENTORY BALANCE INDICATED 0.56 GPM LEAKAGE. A SECOND INVENTORY BALANCE COMPLETED AT 0550 EDT INDICATED 1.5 GPM LEAKAGE. DURING PERFORMANCE OF THE SECOND INVENTORY BALANCE, THE LICENSEE DETECTED EXCESSIVE LEAKAGE FROM THE CENTER PLUNGER OF THE '1A' POSITIVE DISPLACEMENT CHARGING PUMP. THE PUMP WAS SECURED AND ISOLATED, AND A NEW INVENTORY BALANCE IN PROGRESS INDICATED ZERO LEAKAGE. THE CRITERION FOR TERMINATION OF THE UNUSUAL EVENT IS LESS THAN 1.0 GPM UNIDENTIFIED LEAKAGE AND LESS THAN 10.0 GPM IDENTIFIED LEAKAGE. THE '1C' CHARGING PUMP WAS OUT OF SERVICE. WITH THE '1A' PUMP ISOLATED, THE UNIT IS IN A 72-HOUR TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION FOR HAVING FEWER THAN 2 OPERABLE PUMPS.

\*\*\* UPDATE AT 0823 EDT FROM MERRILL TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0813 EDT. THE RESULTS OF THE INVENTORY BALANCE COMPLETED AT 0810 EDT INDICATED AN ACTUAL LEAKAGE OF 0.42 GPM IDENTIFIED.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE R2DO (SHYMLOCK), THE NRR EO (DENNIG), AEOD (CONGEL), AND FEMA (WRIGHT) WERE NOTIFIED BY THE NRC OPERATIONS CENTER.

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Power Reactor

Event # 30872

|                                |                      |  |  |
|--------------------------------|----------------------|--|--|
| Site: SAINT LUCIE              |                      | Notification Date / Time: 08/14/1996 12:12 (EDT) |  |
| Unit: 1 2                      | Region: 2 State : FL | Event Date / Time: 08/14/1996 11:15 (EDT)        |  |
| Reactor Type: [1] CE,[2] CE    |                      | Last Modification: 08/14/1996                    |  |
| Containment Type:              |                      |  |  |
| NRC Notified by: STEVE MERRILL |                      | Notifications: KENNETH BARR RDO                  |  |
| HQ Ops Officer: STEVE SANDIN   |                      | BRIAN GRIMES EO                                  |  |
| Emergency Class: UNUSUAL EVENT |                      | STU RUBIN IRD                                    |  |
| 10 CFR Section:                |                      | CHUCK HENDREN (NRR) IAT                          |  |
| 73.71(b)(1)                    | SAFEGUARDS REPORTS   | JOHN DAVIDSON (NMSS) IAT                         |  |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   | WILLIAM TOBIN (RII) IAT                          |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

ACTUAL TAMPERING WITH SAFETY EQUIPMENT. IMMEDIATE COMPENSATORY MEASURES TAKEN UPON DISCOVERY. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. SEE HOO LOG FOR DETAILS.

\*\*\* UPDATE 1410EDT 8/14/96 FROM MERRILL TO S.SANDIN \*\*\*

AT 1346EDT THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO DECLARATION OF A SECURITY ALERT. A WALKDOWN OF ALL FACILITY KEY SWITCHES, LOCKED ACCESS DOORS AND PADLOCKS IS IN PROGRESS. THE LICENSEE INFORMED THE STATE AND THE NRC RESIDENT INSPECTOR. NOTIFIED R2DO(BARR), EO(DENNIG) AND FEMA(STEINDURF).

\*\*\* UPDATE - AT 1700 COMMISSIONERS' ASSISTANTS BRIEFING BY R2 REYES \*\*\*

R2DO BARR; AEOD JORDAN, CONGEL, BAILEY; NRR CHAFFEE, DENNIG (EO), ERVIN; NMSS YARDUMIAN, TEN EYCK, BRACH; PAO BEECHER; EDO STABLEIN, KROPP; SECY HART; CA KEELING; ROGERS FLEISHMAN; DICUS MARKLEY; JACKSON MILLER.

\*\*\* UPDATE AT 1735 BY STEVE MERRILL ENTERED BY JOLLIFFE \*\*\*

AT 1730, THE LICENSEE COMPLETED AN INSPECTION OF ALL KEY SWITCHES ON BOTH UNITS AND FOUND NO DISCREPANCIES, TERMINATED THE PLANT SECURITY ALERT, AND TERMINATED THE UNUSUAL EVENT.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED R2DO KEN BARR, NRR EO BOB DENNIG & ED BUTCHER, & FEMA CIBOCH.

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 30957

|                                      |           |  |   |
|--------------------------------------|-----------|--|---|
| Site: QUAD CITIES                    |           | Notification Date / Time: 09/04/1996 14:58 (EDT) |   |
| Unit: 1                              | Region: 3 | State : IL                                       | Event Date / Time: 09/04/1996 13:25 (CDT) |
| Reactor Type: [1] GE-3,[2] GE-3      |           | Last Modification: 09/17/1996                    |   |
| Containment Type: MARK I             |           |  |   |
| NRC Notified by: KENNETH J. PIOTEREK |           | Notifications: ROGER LANKSBURY RDO               |   |
| HQ Ops Officer: LEIGH TROCINE        |           | ED GOODWIN, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT       |           | STUART RUBIN, IRD AEOD                           |   |
| 10 CFR Section:                      |           | DEPUY FEMA                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 8          | Startup         | 8          | Startup         |

AFTER-THE-FACT SIMULTANEOUS DECLARATION AND TERMINATION OF AN UNUSUAL EVENT DUE TO EXPIRATION OF A TECHNICAL SPECIFICATION TIME LIMIT

AT 1342 CDT ON SEPTEMBER 2, 1996, THE UNIT 1 MODE SWITCH WAS MOVED FROM THE RUN MODE POSITION TO THE STARTUP/HOT STANDBY MODE POSITION WITH THE UNIT AT APPROXIMATELY 8% REACTOR POWER. AT APPROXIMATELY 1000 CDT ON SEPTEMBER 3, 1996, IT WAS DETERMINED THAT NOT ALL INSTRUMENTS REQUIRED TO BE OPERABLE FOR THE STARTUP MODE PER TECHNICAL SPECIFICATION TABLE 3.1-2 HAD BEEN SURVEILLANCE TESTED IN THE REQUIRED FREQUENCY. (THIS INCLUDED ALL INTERMEDIATE RANGE MONITORS AND ALL AVERAGE POWER RANGE MONITORS.) THE APPROPRIATE SURVEILLANCES WERE STARTED IMMEDIATELY.

IN THIS CASE, TECHNICAL SPECIFICATIONS REQUIRED THE LICENSEE TO INITIATE INSERTION OF OPERABLE RODS AND TO COMPLETE INSERTION OF ALL OPERABLE RODS WITHIN FOUR HOURS. INSTEAD OF TAKING THIS ACTION, THE LICENSEE INAPPROPRIATELY EXERCISED THE 24-HOUR PERIOD TO PERFORM MISSED TECHNICAL SPECIFICATION SURVEILLANCES AS SPECIFIED IN GENERIC LETTER 87-09.

THE SURVEILLANCES WERE COMPLETED SATISFACTORILY AT 1906 CDT ON SEPTEMBER 3, 1996. THEREFORE, FROM 1400 CDT (FOUR HOURS AFTER IDENTIFICATION) UNTIL 1906 CDT ON SEPTEMBER 3, 1996, THE UNIT MET EMERGENCY ACTION LEVEL MU-10, TECHNICAL SPECIFICATION TIME LIMIT EXPIRED. AS A RESULT, THE LICENSEE SUBSEQUENTLY DECLARED AND TERMINATED AN UNUSUAL EVENT SIMULTANEOUSLY AT 1325 CDT ON SEPTEMBER 4, 1996.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE.

\*\*\* UPDATE AT 1113 ON 9/17/96 BY NOHR TAKEN BY WEAVER \*\*\*

THE LICENSEE HAS RETRACTED THIS EVENT. UPON FURTHER REVIEW, ALL REQUIRED SURVEILLANCES WERE COMPLETED PRIOR PLACING THE MODE SWITCH IN THE STARTUP POSITION.

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 30957

THE RESIDENT INSPECTOR HAS BEEN INFORMED OF THE RETRACTION. THE HOO INFORMED THE  
R3DO (KROPP).

\*\*\*\*\*

Power Reactor

Event # 30958

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 09/04/1996 18:22 (EDT) |   |
| Unit: 1 2                         | Region: 2 | State : NC                                       | Event Date / Time: 09/04/1996 17:35 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 09/06/1996                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: LAURIE LADD      |           | Notifications: CHARLES CASTO RDO                 |   |
| HQ Ops Officer: LEIGH TROCINE     |           | GUS LAINAS, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | STUART RUBIN, IRD AEOD                           |   |
| 10 CFR Section:                   |           | DAN SULLIVAN FEMA                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(iii) HURRICANE        |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- DECLARATION OF AN UNUSUAL EVENT DUE TO ISSUANCE OF A HURRICANE WARNING -

AT 1735 ON SEPTEMBER 4, 1996, BOTH UNITS ENTERED AN UNUSUAL EVENT DUE TO THE DECLARATION OF A HURRICANE WARNING. AS A RESULT OF THIS CONDITION, THE LICENSEE ENTERED ITS ABNORMAL OPERATING PROCEDURE, AND PER THIS PROCEDURE, THE LICENSEE PLANS TO PLACE BOTH UNITS IN A COLD SHUTDOWN CONDITION TWO HOURS PRIOR TO THE ONSET OF HURRICANE FORCE WINDS ONSITE. THE LICENSEE CURRENTLY PLANS TO PROVIDE AN UPDATE TO IDENTIFY THE TIME THAT THE HURRICANE FORCE WINDS ARE ANTICIPATED TO BE ONSITE.

THE LICENSEE HAS NOTIFIED THE STATE AND LOCAL WARNING POINTS AND EMERGENCY OPERATING CENTERS AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\* 1927 SEPTEMBER 4, 1996, UPDATE FROM LADD RECEIVED BY TROCINE \*\*\*

IN ANTICIPATION OF HURRICANE FRAN, THE LICENSEE ANTICIPATES COMMENCING UNIT SHUTDOWNS AT 2100 AND 2300 TODAY FOR UNITS 1 AND 2, RESPECTIVELY.

THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CASTO), NRR EO (LAINAS), AND AEOD IRD (RUBIN).

\*\*\* 1948 SEPTEMBER 4, 1996, UPDATE FROM RAGSDALE RECEIVED BY TROCINE \*\*

THE ONSET OF HURRICANE FORCE WINDS ONSITE IS CURRENTLY ESTIMATED TO BE AT 2400 ON SEPTEMBER 5, 1996 (0000 ON SEPTEMBER 6, 1996).

THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CASTO), NRR EO (LAINAS), AND AEOD IRD (RUBIN).

Power Reactor

Event # 30958

\*\*\* 2355 SEPTEMBER 4, 1996, UPDATE FROM RAGSDALE RECEIVED BY TROCINE \*\*

THE SHUTDOWN OF UNIT 1 WAS COMMENCED AT APPROXIMATELY 2100, AND THE SHUTDOWN OF UNIT 2 IS NOW SCHEDULED TO COMMENCE IN APPROXIMATELY 30 MINUTES. THE ONSET OF HURRICANE FORCE WINDS ONSITE IS NOW ANTICIPATED TO BE AT 1700 ON SEPTEMBER 5, 1996.

\*\*\* 0033 SEPTEMBER 5, 1996, UPDATE BY RAGSDALE ENTERED BY JOLLIFFE \*\*\*

UNIT 1 IS AT 38% POWER AND SHUTTING DOWN. CONDITION 3 IS ESTIMATED TO BE REACHED BY 0500. UNIT 2 IS AT 100% POWER AND SHUTTING DOWN. CONDITION 3 IS ESTIMATED TO BE REACHED BY 0700.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* 0446 SEPTEMBER 5, 1996, UPDATE BY RAGSDALE ENTERED BY JOLLIFFE \*\*\*

UNIT 1 IS STABLE IN CONDITION 3 (HOT SHUTDOWN). UNIT 2 IS AT 30% POWER AND SHUTTING DOWN. CONDITION 3 IS ESTIMATED TO BE REACHED BY 0700.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* 0623 SEPTEMBER 5, 1996, UPDATE BY RAGSDALE ENTERED BY JOLLIFFE \*\*\*

UNIT 1 IS STABLE IN CONDITION 3 (HOT SHUTDOWN). UNIT 2 IS STABLE IN CONDITION 3 (HOT SHUTDOWN).

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CASTO), NRR EO (LAINAS), AND AEOD IRD (RUBIN).

\*\*\* 1016 SEPTEMBER 5, 1996, UPDATE BY BOB SMOLE ENTERED BY JOLLIFFE \*\*\*

UNIT 1 IS STABLE IN CONDITION 3 (HOT SHUTDOWN). CONDITION 4 (COLD SHUTDOWN) IS ESTIMATED TO BE REACHED BY 1230. UNIT 2 IS STABLE IN CONDITION 3 (HOT SHUTDOWN). CONDITION 4 (COLD SHUTDOWN) IS ESTIMATED TO BE REACHED BY 1300.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CASTO) AND THE NRR EO (GOODWIN).

\*\*\* 1500 SEPTEMBER 5, 1996, UPDATE BY WEAVER \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED AT 1500 ON SEPTEMBER 5, 1996. THE FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD (JORDAN), IRD (RUBIN), CHAIRMAN JACKSON (VIETTI-COOK), COMMISSIONER ROGERS (SORENSEN), COMMISSIONER DICUS (MARKLEY), COMMISSIONER DIAZ (ADER), COMMISSIONER McGAFFIGAN (GRAY), EDO (McCREE), NRR EO (DENNIG), PAO (GAGNER), IP(\*), CAO (CALLAHAN), SECY (HILL), STATE PROGRAMS (VIRGILIO), AND REGION 2 BRIEFER (SKINNER).

\*\*\* 1545 SEPTEMBER 5, 1996, UPDATE BY PALMETER ENTERED BY WEAVER \*\*\*

BOTH UNITS ARE IN COLD SHUTDOWN AS OF 1543.

\*\*\* 0543 SEPTEMBER 6, 1996, UPDATE BY PALMETER ENTERED BY JOLLIFFE \*\*\*

AT 0515, THE FRAN HURRICANE WARNING WAS DOWNGRADED TO A TROPICAL STORM WARNING.

Power Reactor

Event # 30958

THE LICENSEE IS CONDUCTING PLANT DAMAGE ASSESSMENTS. THERE IS NO KNOWN DAMAGE TO PLANT STRUCTURES OR EQUIPMENT AT THE PRESENT TIME. PRESENT WIND SPEED AT THE PLANT IS 30 TO 45 MILES PER HOUR.

\*\*\* 0847 SEPTEMBER 6, 1996, UPDATE BY PALMETER ENTERED BY JOLLIFFE \*\*\*

AT 0845, THE LICENSEE TERMINATED THE UNUSUAL EVENT. THE LICENSEE IS CONTINUING TO CONDUCT PLANT DAMAGE ASSESSMENTS.

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL OFFICIALS. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CHUCK CASTO), AEOD IRD (STUART RUBIN), NRR EO (BOB DENNIG), AND FEMA (STINEDURF).

\*\*\* 0900 SEPTEMBER 6, 1996, UPDATE BY JOLLIFFE \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED AT 0900 ON SEPTEMBER 6, 1996. THE NOTIFICATIONS FOLLOWING NOTIFICATIONS WERE MADE (\*INDICATES OFFICE DID NOT PARTICIPATE): AEOD (JORDAN), IRD (RUBIN), ERB (BAILEY), CHAIRMAN JACKSON (McOSKER), COMMISSIONER ROGERS (SORENSEN), COMMISSIONER DICUS (MARKLEY), COMMISSIONER DIAZ (ADER), COMMISSIONER McGAFFIGAN (LEWIS), EDO (STABLEIN), NRR EO (DENNIG), NMSS EO (COOL), NRR (HACKETT AND MILLER), PAO (BEECHER), CAO (CALLAHAN), SECY (HART), STATE PROGRAMS (DROGGITIS), IP (RAMSEY), REGION 2 BRIEFER (SKINNER), AND REGION 1 (HINSON AND KAUFMAN).

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Power Reactor

Event # 30965

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: BRUNSWICK                   |                      | Notification Date / Time: 09/05/1996 20:20 (EDT) |  |
| Unit: 1 2                         | Region: 2 State : NC | Event Date / Time: 09/05/1996 20:13 (EDT)        |  |
| Reactor Type: [1] GE-4,[2] GE-4   |                      | Last Modification: 09/06/1996                    |  |
| Containment Type: MARK I MARK I   |                      |  |  |
| NRC Notified by: JOE SMITH        |                      | Notifications: CHARLES CASTO RDO                 |  |
| HQ Ops Officer: DOUG WEAVER       |                      | GUS LAINAS, NRR EO                               |  |
| Emergency Class: UNUSUAL EVENT    |                      | CEGIELSKI FEMA                                   |  |
| 10 CFR Section:                   |                      | STUART RUBIN, IRD AEOD                           |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |
| 73.71(b)(1) SAFEGUARDS REPORTS    |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

- UNUSUAL EVENT DECLARED BASED ON SECURITY CONCERNS DUE TO HURRICANE FRAN -

THE LICENSEE DECLARED AN UNUSUAL EVENT IN ACCORDANCE WITH THEIR EMERGENCY PLAN BASED ON SECURITY DEGRADATIONS ON SITE CAUSED BY HURRICANE FRAN. THE DETAILS ARE CONTAINED IN THE HOO LOG.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0507 ON 09/06/96 BY JOE SMITH ENTERED BY JOLLIFFE \*\*\*

AT 0451 ON 09/06/96, THE LICENSEE RE-ESTABLISHED PLANT SECURITY MEASURES AND TERMINATED THE UNUSUAL EVENT.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND WILL NOTIFY STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THIS (SECURITY) UNUSUAL EVENT.

THE HOO NOTIFIED R2IRC (KEN BARR), HQ OPERATIONS CENTER (JEAN TREFETHEN AND TOM LEE), R2DO (CHUCK CASTO), NRR EO (GUS LAINAS), AEOD IRD (STUART RUBIN), AND FEMA (BAGWELL).

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Power Reactor

Event # 30966

|  |                      |  |  |
|--|----------------------|--|--|
| Site: CLINTON                          |                      | Notification Date / Time: 09/05/1996 22:45 (EDT) |  |
| Unit: 1                                | Region: 3 State : IL | Event Date / Time: 09/05/1996 21:10 (CDT)        |  |
| Reactor Type: [1] GE-6                 |                      | Last Modification: 09/06/1996                    |  |
| Containment Type: MARK III             |                      |  |  |
| NRC Notified by: DAVID HODEL           |                      | Notifications: ROGER LANKSBURY RDO               |  |
| HQ Ops Officer: DOUG WEAVER            |                      | GUS LAINAS, NRR EO                               |  |
| Emergency Class: UNUSUAL EVENT         |                      | CEGELESKI FEMA                                   |  |
| 10 CFR Section:                        |                      | STUART RUBIN, IRD AEOD                           |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                      |  |  |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 56         | Power Operation | 56         | Power Operation |

- UNUSUAL EVENT DECLARED BASED ON UNIDENTIFIED LEAKAGE GREATER THAN 5 GPM -

LEAKAGE EXCEEDED 5 GPM WHILE THE LICENSEE WAS ISOLATING THE "B" REACTOR RECIRCULATION LOOP. THE LICENSEE HAD BEEN TRACKING SUSPECTED SEAL LEAKAGE ON THE "B" REACTOR RECIRC PUMP. WHEN LEAKAGE REACHED 4 GPM THEY BEGAN TO ISOLATE THE "B" LOOP. IN THE COURSE OF THIS ACTION LEAKAGE EXCEEDED 5 GPM. LEAKAGE AT THE TIME OF THE REPORT WAS ABOUT 6 GPM.

THE LICENSEE EXPECTS THAT ISOLATING THE LOOP WILL REDUCE THE LEAKAGE TO LESS THAN 5 GPM. THEIR INTENT IS TO OPERATE SINGLE LOOP UNTIL THE NEXT REFUELING OUTAGE WHICH IS SCHEDULED TO START IN OCTOBER.

THE LICENSEE NOTIFIED THE STATE OF ILLINOIS AND THE NRC RESIDENT INSPECTOR AND WILL ISSUE A PRESS RELEASE.

\*\*\* 0254 SEPTEMBER 6, 1996, FROM JIM SCHOTTLE ENTERED BY JOLLIFFE \*\*\*

TECH SPEC LCO A/S 3.5.4 REQUIRES THE LICENSEE TO REDUCE UNIDENTIFIED LEAKAGE INTO THE DRYWELL TO LESS THAN 5 GPM WITHIN 4 HOURS OR TO PLACE THE PLANT IN AT LEAST CONDITION 3 WITHIN 12 HOURS AND CONDITION 4 WITHIN THE FOLLOWING 36 HOURS.

THE LICENSEE HAS BEEN UNABLE TO REDUCE THE LEAKAGE TO BELOW 5 GPM AND AT 0055 (CDT), THE LICENSEE BEGAN SHUTTING THE PLANT DOWN FROM 56% POWER.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED R3DO (ROGER LANKSBURY), AEOD IRD (STUART RUBIN), AND NRR EO (GUS LAINAS).

Power Reactor

Event # 30966

\*\*\* 2316 SEPTEMBER 6, 1996, UPDATE FROM HODEL RECEIVED BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2150 CDT BECAUSE THE DRYWELL LEAKAGE WAS LOWER THAN THE TECHNICAL SPECIFICATION LIMIT OF 5 GALLONS PER MINUTE. THE CURRENT LEAK RATE IS 1.13 GALLONS PER MINUTE. THE UNIT IS CURRENTLY IN MODE 3 (HOT SHUTDOWN), AND SHUTDOWN COOLING IS IN SERVICE AT 214°F. THE LICENSEE PLANS TO PLACE THE UNIT IN A COLD SHUTDOWN CONDITION IN ORDER TO REPAIR THE SEAL ON THE 'B' REACTOR RECIRCULATION PUMP. UNIT RESTART HAS BEEN SCHEDULED FOR SEPTEMBER 10, 1996.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (LANKSBURY), AEOD IRD (RUBIN), NRR EO (LAINAS), AND FEMA (DEPUY).

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Power Reactor

Event # 31012

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: FITZPATRICK                 |            | Notification Date / Time: 09/16/1996 14:15 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 1  | State : NY                                       | Event Date / Time: 09/16/1996 13:40 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-4            |            | Last Modification: 09/16/1996                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: RUSSELL          |            | Notifications: RICHARD KEIMIG RDO                |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD    |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | SULLIVAN FEMA                                    |   |                 |            |                 |
| 10 CFR Section:                   |            | RICH BARRETT AEOD                                |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Shutdown    |

#### AUTO REACTOR SCRAM FROM 100% POWER FOR UNKNOWN REASONS

THE CAUSE OF THE SCRAM IS UNKNOWN AT THIS TIME. THEY ALSO HAD LOSS OF THEIR UNINTERRUPTIBLE POWER SUPPLY AT APPROXIMATELY THE SAME TIME. THERE WERE ALSO INDICATIONS OF A POSSIBLE MAIN TURBINE FAILURE RESULTING IN CASING PENETRATION OR DAMAGE TO TURBINE SEALS. A BLOWN RUPTURE DISC ON THE "B" LOW PRESSURE TURBINE WAS REPORTED. EXTENT OF DAMAGE IS UNKNOWN AND AN INVESTIGATION IS IN PROGRESS. ALL CONTROL RODS FULLY INSERTED FOLLOWING THE SCRAM, BUT THEY DID RECEIVE RCIC AND HPCI ACTUATIONS. RCIC AND HPCI ARE STILL RUNNING FOR LEVEL AND PRESSURE CONTROL. THEY ALSO HAD GROUP 1 AND GROUP 2 ISOLATIONS. THE PLANT TOOK A RESIDUAL TRANSFER OF THEIR ELECTRICAL BUSES BECAUSE THE FAST TRANSFER WAS PREVENTED DUE TO BREAKERS BEING OPEN FOR MAINTENANCE WORK. THE DELAY RESULTED IN THE EMERGENCY DIESEL GENERATORS AUTO STARTING AND LOADING ONTO THE TWO EMERGENCY BUSES. THEY ALSO LOST MULTIPLE PLANT SYSTEMS SUCH AS THE SERVICE WATER SYSTEM AND SOME OF THE BUILDING CLOSED LOOP COOLING SYSTEMS.

AT 1340 ON 09/16/96, THE LICENSEE DECLARED AN UNUSUAL EVENT AND NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1500 ON 09/16/96 BY HENDRICK ENTERED BY GOULD \*\*\*

A BLOWN RUPTURE DISC ON THE "B" LOW PRESSURE TURBINE HOOD RESULTED IN STEAM BEING EMITTED INTO THE TURBINE BUILDING. THERE WAS NO RADIOACTIVE RELEASE TO THE ENVIRONMENT. THE REACTOR COOLDOWN AND RESTORATION OF BALANCE OF PLANT SYSTEMS IS CONTINUING. THE LICENSEE BELIEVES THAT THE PLANT TRIPPED DUE TO WORK BEING PERFORMED ON SOME RELAYS ASSOCIATED WITH GENERATOR OUTPUT BREAKERS. DURING THE TESTING, SOMETHING ARCED AND RESULTED IN THE OUTPUT BREAKERS OPENING. THE MAIN TURBINE GENERATOR TRIPPED AND THE AUTO REACTOR SCRAM OCCURRED.

Power Reactor

Event # 31012

\*\*\* UPDATE AT 1948 ON 09/16/96 ENTERED BY GOULD \*\*\*

COMMISSIONER'S ASSISTANTS BRIEFING: JORDAN (AEOD), BAILEY (IRD), BANGART (STATE PROGRAMS), DEAN (EDO), VARGA & CHAFFEE (NRR EO), COMBS (CA), HOLIAN (CHAIRMAN JACKSON), SORENSEN (COMMISSIONER ROGERS), CHAN (COMMISSIONER DICUS), GRAY (COMMISSIONER MCGAFFIGAN), HUNEGS (SRI), DROMERICK, ZIMMERMAN & ZWOLINSKI (NRR), AND CRLENJAK (R2).

\*\*\* UPDATE AT 0250 ON 09/17/96 BY JOHN MOODY ENTERED BY JOLLIFFE \*\*\*

LICENSEE DETERMINED THAT AN I&C TECHNICIAN CAUSED AN ELECTRICAL SHORT WHICH CAUSED THE OUTPUT BREAKERS TO OPEN WHICH CAUSED THE AUTO REACTOR SCRAM.

AT 0236 ON 09/17/96, THE LICENSEE RESTORED THE BLOWN RUPTURE DISC ON THE "B" LOW PRESSURE TURBINE HOOD AND TERMINATED THE UNUSUAL EVENT.

THE LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT AND WILL ISSUE A PRESS RELEASE.

THE HOO NOTIFIED R1DO RICK KEIMIG, NRR EO STEVE VARGA, AND FEMA STINEDURF.

\*\*\*\*\*

Power Reactor

Event # 31013

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: OYSTER CREEK                |                      | Notification Date / Time: 09/16/1996 21:11 (EDT) |  |
| Unit: 1                           | Region: 1 State : NJ | Event Date / Time: 09/16/1996 20:50 (EDT)        |  |
| Reactor Type: [1] GE-2            |                      | Last Modification: 09/16/1996                    |  |
| Containment Type: MARK I          |                      |  |  |
| NRC Notified by: SWIFT            |                      | Notifications: RICHARD KEIMIG RDO                |  |
| HQ Ops Officer: CHAUNCEY GOULD    |                      | STEVEN VARGA EO                                  |  |
| Emergency Class: UNUSUAL EVENT    |                      | CIBOUCH FEMA                                     |  |
| 10 CFR Section:                   |                      | RICH BARRETT IRD                                 |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      | DIANE SCRENCI, R1 PAO                            |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO THE TRANSPORT OF A POTENTIALLY CONTAMINATED CONTRACTOR TO AN OFFSITE HOSPITAL.

A CONTRACTOR HAD FALLEN INTO THE DRYWELL AND WAS INJURED AND WAS TRANSPORTED TO COMMUNITY MEMORIAL HOSPITAL IN TOMS RIVER, NJ ACCOMPANIED BY TWO LICENSEE RADIATION TECHNICIANS. THE LICENSEE NOTIFIED THE STATE AND WILL NOTIFY THE NRC RESIDENT INSPECTOR. THE LICENSEE WILL ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 2147 BY SWIFT ENTERED BY GOULD \*\*\*

AT 2145, THE LICENSEE TERMINATED THE UNUSUAL EVENT. THERE WAS NO CONTAMINATION AND THE CONTRACTOR HAD A POSSIBLE FRACTURED ANKLE AND LEFT FOREARM. THE LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED R1DO KEIMIG, NRR EO VARGA, AND FEMA STINEDURF.

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Power Reactor

Event # 31027

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: CRYSTAL RIVER               |            | Notification Date / Time: 09/19/1996 05:47 (EDT) |   |                 |            |                 |
| Unit: 3                           | Region: 2  | State : FL                                       | Event Date / Time: 09/19/1996 05:10 (EDT) |                 |            |                 |
| Reactor Type: [3] B&W-L-LP        |            | Last Modification: 09/19/1996                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: GREGORY SUTTER   |            | Notifications: THOMAS DECKER RDO                 |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH       |            | JACK ROE EO                                      |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                   |            | FRANK CONGEL AEOD                                |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            | EUGENE MCPEEK (NRR) IAT                          |   |                 |            |                 |
|                                   |            | JOHN DAVIDSON (NMSS) IAT                         |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                 | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN APPARENT ACT OF SABOTAGE. THE LICENSEE DISCOVERED A FOREIGN OBJECT LODGED IN THE LUBE OIL STRAINER OF THEIR "A" EMERGENCY DIESEL GENERATOR. THE OBJECT APPEARED TO BE PLACED IN A WAY THAT INDICATED DELIBERATE ACTION. THE LICENSEE WILL STAY IN THE UNUSUAL EVENT UNTIL THEY ARE CERTAIN THAT THIS REPRESENTS A SINGULAR EVENT AND THAT THE "B" EDG IS NOT SIMILARLY JEOPARDIZED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, THE STATE OF FLORIDA AND LOCAL GOVERNMENT AGENCIES.

SEE HOO LOG FOR ADDITIONAL INFORMATION.

\*\*\* UPDATE AT 0315 ON 9/21/96 BY RAULS TAKEN BY WEAVER \*\*\*

THE LICENSEE TERMINATED THE UE AT 0300 ON 9/21. THE "A" AND "B" EDGs HAVE BEEN INSPECTED AND HAVE PASSED THEIR MONTHLY SURVEILLANCES. PLANT WALKDOWN AND INSPECTIONS HAVE NOT REVEALED ANY EVIDENCE OF AN ON GOING SECURITY COMPROMISE. THE LICENSEE NOTIFIED THE RESIDENT AS WELL AS STATE AND LOCAL OFFICIALS. THE HOO NOTIFIED THE RDO (DECKER), EO (ROE), NRR IAT (L BUSH), NMSS IAT (DAVIDSON) AND FEMA (HERSKO)

\*\*\*\*\*

Power Reactor

Event # 31053

| Site: OCONEE   |            | Notification Date / Time: 09/24/1996 17:55 (EDT) |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Unit: 2  | Region: 2  | State : SC                                       | Event Date / Time: 09/24/1996 16:43 (EDT) |                 |            |                 |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |            | Last Modification: 09/24/1996                    |   |                 |            |                 |
| Containment Type: DRY AMB                            |            |  |   |                 |            |                 |
| NRC Notified by: LINGLE                              |            | Notifications: SHYMLOCK RDO                      |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY                         |            | CALVO EO   |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT                       |            | CONGEL AEOD                                      |   |                 |            |                 |
| 10 CFR Section:                                      |            | BEECHER OPA                                      |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION                        |            |  |   |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL                       |            |  |   |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION                 |            |  |   |                 |            |                 |
| Unit   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | M/R        | Yes  | 60  | Power Operation | 0          | Hot Standby     |

## HEATER DRAIN PIPE RUPTURE WITH PERSONNEL INJURIES

AT APPROXIMATELY 1643, THE UNIT 2 REACTOR WAS MANUALLY TRIPPED FROM 60 PERCENT POWER AFTER A PIPE ASSOCIATED WITH THE LEVEL CONTROL SYSTEM FOR THE NUMBER 2 MOISTURE SEPARATOR/REHEATER RUPTURED (THIS IS A NON-RADIOACTIVE SYSTEM ASSOCIATED WITH THE MAIN TURBINE.) FOLLOWING THE TRIP, ALL CONTROL RODS INSERTED, AND THE UNIT RESPONDED AS EXPECTED. THE STEAM LEAK WAS ISOLATED WHEN THE REACTOR TRIPPED. THERE WAS NO RADIOLOGICAL CONTAMINATION OR RELEASE ASSOCIATED WITH THIS EVENT. UNITS 1 AND 3 ARE UNAFFECTED.

SEVEN PLANT EMPLOYEES WERE INJURED DUE TO STEAM FLASHING FROM THE RUPTURE. THE LICENSEE ENTERED THEIR MEDICAL RESPONSE PROCEDURES AND OFFSITE MEDICAL ASSISTANCE WAS REQUESTED. THE LICENSEE STATED THAT THE INJURED EMPLOYEES HAVE BEEN TAKEN OFFSITE FOR MEDICAL TREATMENT. A SITE ASSEMBLY WAS PERFORMED, AND ALL SITE EMPLOYEES WERE ACCOUNTED FOR. THE LICENSEE HAS ACTIVATED THE TECHNICAL SUPPORT AND OPERATIONS SUPPORT CENTERS TO ASSIST IN THE RESPONSE TO THIS EVENT. THE LICENSEE HAS INFORMED THE NRC RESIDENT INSPECTOR AND HAS ISSUED A PRESS RELEASE.

## \*\*\* 2000 9/24/96 COMMISSIONERS ASSISTANTS' BRIEFING \*\*\*

PARTICIPANTS: R2DO (SHYMLOCK), EO (CALVO), AEOD (JORDAN, CONGEL), NRR (MIRAGLIA, THADANI, WESSMAN, HERMAN), REGION 2 (EBNETTER, WERT, JAUDON), PUBLIC AFFAIRS (HAYDEN), STATE PROGRAMS (VIRGILIO), CONGRESSIONAL AFFAIRS (KEELING), EDO (McCREE), SECY (HART), CHAIRMAN JACKSON (SMITH), COMM. ROGERS (FLEISHMAN), COMM. DICUS (CHAN, MARKLEY).

## \*\*\* UPDATE 2115 9/24/96 FROM COOK TAKEN BY STRANSKY \*\*\*

AN UNUSUAL EVENT WAS DECLARED AND IMMEDIATELY TERMINATED DUE TO THE DISCOVERY OF

Power Reactor

Event # 31053

COLLATERAL DAMAGE TO EQUIPMENT DURING A WALKDOWN OF THE AFFECTED AREA. THE LICENSEE'S EMERGENCY PLAN REQUIRES THE DECLARATION OF AN UNUSUAL EVENT UPON THE DISCOVERY OF COLLATERAL DAMAGE FOLLOWING AN EXPLOSION OR RUPTURE OF THIS NATURE. THE LICENSEE DISCOVERED DAMAGE TO COPPER TUBING ASSOCIATED WITH A PIECE OF CONTROL EQUIPMENT. THIS EQUIPMENT IS NOT AFFECTING CONTROL OF THE PLANT IN ITS CURRENT STATE, SO THE LICENSEE ELECTED TO TERMINATE THE UNUSUAL EVENT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE. HOO NOTIFIED R2DO (SHYMLOCK), EO (CALVO), AEOD (CONGEL), FEMA (WRIGHT).

\*\*\*\*\*

Power Reactor

Event # 31101

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SEQUOYAH                      |           | Notification Date / Time: 10/05/1996 14:48 (EDT) |   |
| Unit: 1 2                           | Region: 2 | State : TN                                       | Event Date / Time: 10/05/1996 13:13 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/05/1996                    |   |
| Containment Type: ICE COND ICE COND |           |  |   |
| NRC Notified by: JEFF EPPERSON      |           | Notifications: PAUL FREDRICKSON RDO              |   |
| HQ Ops Officer: DOUG WEAVER         |           | WILLIAM BATEMAN EO                               |   |
| Emergency Class: UNUSUAL EVENT      |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                     |           | BARRETT IRD                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## EXPLOSION OF A POTENTIAL TRANSFORMER IN THE PROTECTED AREA

AT 1412 EDT, A NOTIFICATION OF UNUSUAL EVENT WAS MADE AND TERMINATED AT SEQUOYAH FOLLOWING AN EXPLOSION WHICH OCCURRED WITHIN THE PROTECTED AREA.

AT 1313 EDT, A POTENTIAL TRANSFORMER ON BUS 1 OF THE 500 KV SWITCHYARD EXPLODED. SWITCHYARD RELAYS SENSED THE ELECTRICAL FAULT AND OPENED POWER CIRCUIT BREAKERS TO CLEAR THE DIFFERENTIAL FAULT. AMONG THE DEVICES CLEARED WERE THE 500 KV TO 161 KV INTER-TIE TRANSFORMER (A SOURCE OF OFFSITE POWER) AND ONE OF UNIT 1's TWO MAIN GENERATOR OUTPUT BREAKERS. BOTH UNITS REMAINED ON LINE AND AT FULL POWER. NO ESF EQUIPMENT WAS CALLED UPON TO START.

A FIRE (FUELED BY OIL FROM THE POTENTIAL TRANSFORMER) CONTAINED WITHIN THE 500 KV SWITCHYARD WAS EXTINGUISHED BY 1329 EDT.

SHRAPNEL FROM THE EXPLOSION PUNCTURED A COOLING FIN OF THE INTER-TIE TRANSFORMER. THE RESULTANT OIL LEAK WAS ISOLATED. NO EQUIPMENT IDENTIFIED AS SAFETY RELATED WAS AFFECTED.

SEQUOYAH STILL POSSESSES TWO OPERABLE SOURCES OF OFFSITE POWER AVAILABLE FOR THE 1E BUSES.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND STATE OFFICIALS. A PRESS RELEASE IS PLANNED.

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Power Reactor

Event # 31105

|                                   |            |           |            |  |            |                 |
|-----------------------------------|------------|-----------|------------|--|------------|-----------------|
| Site: CRYSTAL RIVER               |            |           |            | Notification Date / Time: 10/07/1996 09:10 (EDT) |            |                 |
| Unit: 3                           |            | Region: 2 | State : FL | Event Date / Time: 10/07/1996 08:49 (EDT)        |            |                 |
| Reactor Type: [3] B&W-L-LP        |            |           |            | Last Modification: 10/08/1996                    |            |                 |
| Containment Type: DRY AMB         |            |           |            |  |            |                 |
| NRC Notified by: JEFF BECK        |            |           |            | Notifications: PAUL FREDRICKSON RDO              |            |                 |
| HQ Ops Officer: RUDY KARSCH       |            |           |            | AL CHAFFEE EO                                    |            |                 |
| Emergency Class: UNUSUAL EVENT    |            |           |            | STORER FEMA                                      |            |                 |
| 10 CFR Section:                   |            |           |            | FRANK CONGEL AEOD                                |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |                 |
| 50.72(b)(1)(iii) HURRICANE        |            |           |            |  |            |                 |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 3                                 | N          | No        | 0          | Cold Shutdown                                    | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED AT 0849 EDT DUE TO THE IMPENDING ARRIVAL OF HURRICANE JOSEPHINE.

WEST CENTRAL FLORIDA AND THE CRYSTAL RIVER SITE HAVE BEEN PLACED INTO A HURRICANE WARNING DUE TO HURRICANE JOSEPHINE. LAND FALL IS EXPECTED EARLY TUESDAY MORNING NORTH OF THE SITE. STORM SURGES OF SIX TO SEVEN FEET ARE EXPECTED FOR CITRUS COUNTY. PRESENT WIND SPEED AT THE SITE IS 12 MPH. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, STATE AND COUNTY GOVERNMENTS AND A PRESS RELEASE WILL BE ISSUED.

\*\*\* UPDATE 1207EDT 10/7/96 FROM TYRIE TO S.SANDIN \*\*\*

THE LICENSEE IS CORRECTING THE PREVIOUS NOTIFICATION TO SHOW THAT TROPICAL STORM JOSEPHINE HAS SUSTAINED WINDS OF 70MPH AND IS EXPECTED TO STRENGTHEN TO HURRICANE FORCE WITHIN THE NEXT 12 HOURS. ALL OTHER INFORMATION IS CORRECT.

\*\*\*UPDATE ON 10/08/96 @ 00:04 BY MARSHALL TO GOULD\*\*\* THE HURRICANE WARNING WAS DISCONTINUED AT 23:00 AND THE NOUE WAS TERMINATED AT 23:26. THE RI WAS INFORMED ALONG WITH STATE AND LOCAL AGENCIES. THERE WILL BE A PRESS RELEASE. RDO POTTER, EO BATEMAN, FEMA RISHE WERE NOTIFIED.

\*\*\* UPDATE 1140 10/8/96 FROM TYRIE TAKEN BY STRANSKY \*\*\*

THE LICENSEE HAS MADE A PRESS RELEASE REGARDING THE UNUSUAL EVENT. NOTIFIED R2DO (POTTER).

\*\*\*\*\*

Power Reactor

Event # 31168

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: MONTICELLO                  |           | Notification Date / Time: 10/17/1996 04:37 (EDT) |   |
| Unit: 1                           | Region: 3 | State : MN                                       | Event Date / Time: 10/17/1996 03:00 (CDT) |
| Reactor Type: [1] GE-3            |           | Last Modification: 10/17/1996                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: JIM McKAY        |           | Notifications: JIM MCCORMICKBARGER RDO           |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | ROBERT CAPRA, NRR EO                             |   |
| Emergency Class: UNUSUAL EVENT    |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                   |           | STUART RUBIN, IRD AEOD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UE DECLARED WHEN DISCHARGE CANAL RAD MONITOR ALARMED DURING HEAVY RAINS -

AT 0300 (CDT), THE LICENSEE DECLARED AN UNUSUAL EVENT AFTER THE PLANT RECEIVED A PLANT DISCHARGE CANAL RADIATION MONITOR ALARM DUE TO HEAVY RAINS ONSITE (0.98 INCHES IN 1 HOUR). THE RADIATION MONITOR ALARMED AT 20 COUNTS PER SECOND; NORMAL LEVELS ARE 4 TO 6 COUNTS PER SECOND.

STRONG SWIRLING WINDS FROM THE NORTH ARE FORCING THE REACTOR BUILDING PLENUM EXHAUST GASES TO THE GROUND, AND THE GASES ARE MIXING WITH THE RAIN AND WATER ON THE GROUND. THE WATER IS RUNNING INTO THE STORM DRAINS AND INTO THE PLANT DISCHARGE CANAL.

THE PLANT DISCHARGE CANAL RADIATION MONITOR COUNT RATE HAS INCREASED DURING HEAVY RAINS IN THE PAST.

PLANT PERSONNEL HAVE SURVEYED THE PLANT AND FOUND NO RADIATION LEAKING FROM THE PLANT.

PLANT PERSONNEL ARE ANALYZING A SAMPLE OF THE PLANT DISCHARGE CANAL WATER FOR RADIOACTIVITY.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 0534 FROM JIM McKAY ENTERED BY DICK JOLLIFFE \*\*\*

AT 0427 (CDT), THE LICENSEE TERMINATED THE UNUSUAL EVENT. THE RAINS AND WIND HAVE DECREASED SIGNIFICANTLY. THE PLANT DISCHARGE CANAL RADIATION MONITOR IS NOW READING

05/19/2005

*U.S. Nuclear Regulatory Commission Operations Center Event Report*

Page 2

Power Reactor

Event # 31168

13 COUNTS PER SECOND. THE ANALYSIS OF THE PLANT DISCHARGE CANAL WATER SAMPLE INDICATED NOTHING ABNORMAL ABOVE NORMAL BACKGROUND LEVELS.

THE LICENSEE WILL NOTIFY STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE HOO NOTIFIED R3DO JIM McCORMICK-BARGER, NRR EO BOB CAPRA, AND FEMA STINEDURF OF THE TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 31173

|                                   |                    |  |   |
|-----------------------------------|--------------------|--|---|
| Site: ARKANSAS NUCLEAR            |                    | Notification Date / Time: 10/17/1996 17:49 (EDT) |   |
| Unit: 1                           | Region: 4          | State : AR                                       | Event Date / Time: 10/17/1996 16:07 (CDT) |
| Reactor Type: [1] B&W-L-LP,[2] CE |                    | Last Modification: 10/17/1996                    |   |
| Containment Type: DRY AMB         |                    |  |   |
| NRC Notified by: STEVE BONNER     |                    | Notifications: CHARLES CAIN RDO                  |   |
| HQ Ops Officer: JOHN MacKINNON    |                    | CAPRA EO   |   |
| Emergency Class: UNUSUAL EVENT    |                    | BELCHER FEMA                                     |   |
| 10 CFR Section:                   |                    | CONGEL AEOD                                      |   |
| 50.72(a)(1)(i)                    | EMERGENCY DECLARED | BROCKMAN/E. COLLINS                              | REG4                                      |
| 50.72(b)(1)(vi)                   | FIRE (ONSITE)      | GWYNN/ S. COLLINS                                | REG4                                      |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED AT 1617 (CDT) DUE TO A FIRE IN CONTAINMENT LASTING 16 MINUTES.

AT 1607 (CDT), A FIRE ERUPTED IN THE LAGGING OF THE EXTERNAL FEEDWATER RING ON THE ONCE THROUGH STEAM GENERATOR (OTSG) "B" LOCATED IN THE CONTAINMENT. THE PLANT WAS IN THE PROCESS OF BEING HEATED UP TO NORMAL OPERATING TEMPERATURE USING THEIR REACTOR COOLANT PUMPS, REACTOR COOLANT TEMPERATURE WAS AT 433°F AND PLANT PRESSURE WAS 972 PSIG. THE CONTAINMENT WAS EVACUATED OF ALL PERSONNEL EXCEPT FOR THE FIRE BRIGADE. THE FIRE WAS EXTINGUISHED AT 1623 CDT USING CARBON DIOXIDE EXTINGUISHERS AND A SMALL AMOUNT OF MISTING WATER. THE LICENSEE BELIEVES THAT THE FIRE WAS CAUSED BY OIL SOAKED INTO THE LAGGING OF THE EXTERNAL FEEDWATER RING WHICH IGNITED WHEN THE PLANT HEATED UP. THE FIRE WAS INSIDE THE "D" RING (CONCRETE CAVITY AROUND REACTOR COOLANT PUMP "B" AND OTSG "B"). THE FLAMES BURNING THE LAGGING OF OTSG "B" EXTERNAL FEEDWATER RING REACHED A HEIGHT OF UP TO 24" AND BURNED ABOUT 8' OF LAGGING. THERE WAS NO DAMAGE TO ANY SAFETY EQUIPMENT, REACTOR COOLANT PUMP "B" OR TO ANY ELECTRICAL WIRING. THERE WERE NO INJURIES DUE TO THE FIRE OR SMOKE. THE LICENSEE HAD PERFORMED A WALKDOWN OF THE CONTAINMENT BEFORE COMMENCING REACTOR PLANT HEATUP. THE LICENSEE PLANS TO COOL THE PLANT DOWN TO A COLD SHUTDOWN CONDITION, VENTILATE THE CONTAINMENT, AND THEN REPLACE THE BURNED LAGGING. THE LICENSEE HAS POSTED A REFLASH FIRE WATCH.

THE LICENSEE NOTIFIED THE ARKANSAS HEALTH DEPARTMENT AND SURROUNDING COUNTY OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE BY STEVE BONNER AT 1900 TAKEN BY MACKINNON\*\*\*

AT 1735 (CDT), THE LICENSEE TERMINATED THE UNUSUAL EVENT. THE LICENSEE NOTIFIED THE ARKANSAS DEPARTMENT OF HEALTH, LOCAL OFFICIALS, AND THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED R4DO (CHARLES CAIN), EO (CAPRA), AEOD (CONGEL/RUBIN), & FEMA (BELCHER).

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Event #

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Power Reactor

Event # 31210

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: VOGTLE                        |           | Notification Date / Time: 10/25/1996 01:32 (EDT) |   |
| Unit: 2                             | Region: 2 | State : GA                                       | Event Date / Time: 10/25/1996 01:06 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 10/25/1996                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: STEVE ALLISON      |           | Notifications: KERRY LANDIS RDO                  |   |
| HQ Ops Officer: DOUG WEAVER         |           | ELINOR ADENSAM EO                                |   |
| Emergency Class: UNUSUAL EVENT      |           | AUSTIN FEMA                                      |   |
| 10 CFR Section:                     |           | BARRETT AEOD                                     |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 79         | Power Operation | 79         | Power Operation |

## UNUSUAL EVENT - LOSS OF 25% OF THE CONTROL ROOM ANNUNCIATORS

A NOTIFICATION OF UNUSUAL EVENT WAS DECLARED ON UNIT 2 AT 0106 ON 10/25/96, DUE TO A LOSS OF SEVERAL ALARM PANELS; HOWEVER, ALL CONTROL BOARD INDICATIONS ARE AVAILABLE AND ARE BEING MONITORED FREQUENTLY. ADDITIONAL OPERATORS ARE IN THE CONTROL ROOM TO AID IN THIS TASK.

THE ANNUNCIATOR PROBLEM OCCURRED AT 2310 ON 10/24/96, WHEN AN I&C TECHNICIAN ACCIDENTLY GROUNDED ONE OF THE ANNUNCIATOR ALARM LIGHT SOCKETS WHILE MAKING A REPAIR. THE SPECIFIC CAUSE FOR THE LOSS OF ANNUNCIATORS HAS NOT BEEN DETERMINED; TROUBLESHOOTING IS IN PROGRESS. ABOUT 25 OF THE CONTROL ROOM ALARMS INITIALLY LOCKED IN. HOWEVER, FURTHER INVESTIGATION REVEALED THAT SOME ALARMS WOULD NOT ACTUATE IF REQUIRED. A TOTAL OF ABOUT 25% OF THE CONTROL ROOM ANNUNCIATORS ARE INOPERABLE.

ALL MAJOR SAFETY RELATED EQUIPMENT IS OPERABLE WITH THE FOLLOWING EXCEPTIONS, THE "A" TRAIN CONTAINMENT SPRAY PUMP AND ONE OF THREE "A" TRAIN COMPONENT COOLING WATER PUMPS. HOWEVER, THE "A" TRAIN CCW SYSTEM IS CONSIDERED OPERABLE.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AS WELL AS STATE AND LOCAL OFFICIALS.

\*\*\* UPDATE AT 0420 ON 10/25/96 BY ROBINSON TAKEN BY WEAVER \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0420. ALL CONTROL ROOM ANNUNCIATORS HAVE BEEN RETURNED TO SERVICE. THE HOO NOTIFIED THE RDO(LANDIS); EO(ADENSAM); AEOD(BARRETT); FEMA(AUSTIN)

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Power Reactor

Event # 31226

|                                   |                      |  |            |                 |            |                 |
|-----------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: BIG ROCK POINT              |                      | Notification Date / Time: 10/27/1996 23:16 (EDT) |            |                 |            |                 |
| Unit: 1                           | Region: 3 State : MI | Event Date / Time: 10/27/1996 23:00 (EST)        |            |                 |            |                 |
| Reactor Type: [1] GE-1            |                      | Last Modification: 10/28/1996                    |            |                 |            |                 |
| Containment Type:                 |                      |  |            |                 |            |                 |
| NRC Notified by: NICE             |                      | Notifications: JORGENSEN RDO                     |            |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY      |                      | ADENSAM EO                                       |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |                      | AUSTIN FEMA                                      |            |                 |            |                 |
| 10 CFR Section:                   |                      | BARRETT IRD                                      |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |            |                 |            |                 |
| 73.71(b)(1) SAFEGUARDS REPORTS    |                      |  |            |                 |            |                 |
| Unit                              | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N                    | No   | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO BOMB THREAT. IMMEDIATE COMPENSATORY MEASURES TAKEN.  
THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY LICENSEE. SEE HOO LOG FOR DETAILS.

\*\*\* UPDATE AT 0106 EST ON 10/28/96 FROM CSER TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0105 EST BECAUSE NOTHING WAS FOUND. THE  
LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R3DO (JORGENSEN), NRR EO (ADENSAM),  
AND FEMA (AUSTIN) NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 31230

|                                       |            |  |   |                 |            |                 |
|---------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: HATCH                           |            | Notification Date / Time: 10/28/1996 12:37 (EST) |   |                 |            |                 |
| Unit: 2                               | Region: 2  | State : GA                                       | Event Date / Time: 10/28/1996 12:20 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4       |            | Last Modification: 10/28/1996                    |   |                 |            |                 |
| Containment Type: MARK I              |            |  |   |                 |            |                 |
| NRC Notified by: URQUHART             |            | Notifications: KERRY LANDIS RDO                  |   |                 |            |                 |
| HQ Ops Officer: CHAUNCEY GOULD        |            | DENNIG EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT        |            | RISHE FEMA                                       |   |                 |            |                 |
| 10 CFR Section:                       |            | BARRETT ERB                                      |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED     |            |  |   |                 |            |                 |
| 50.72(b)(1)(vi) CHEM HAZ(TOX GAS REL) |            |  |   |                 |            |                 |
| Unit                                  | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                     | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

THE LICENSEE REPORTED AN UNUSUAL EVENT DUE TO THE RELEASE OF A TOXIC GAS.

THIS OCCURRED WHILE A VENDOR WAS FILLING THE NITROGEN TANKS IN THE NITROGEN STORAGE AND TANK ROOM. THE NITROGEN WAS OVER PRESSURIZED TO THE RELIEF VALVE SETPOINT AND THE VALVE OPENED FOR APPROXIMATELY 10 MINS. THE NITROGEN WAS SECURED, THE RELIEF VALVE CLOSED AND THE AREA WAS PURGED. THE RESIDENT INSPECTOR, STATE AND LOCAL AGENCIES WERE NOTIFIED.

\*\*\*UPDATE @ 13:06 BY URQUHART TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 13:00 DUE TO THE TERMINATION OF THE RELEASE AND THE PURGING OF THE AREA OF ALL NITROGEN. THE RI WAS NOTIFIED ALONG WITH OTHER AGENCIES. THE RDO, EO AND FEMA WERE NOTIFIED.

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 31233

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: DUANE ARNOLD                |            |           |            | Notification Date / Time: 10/28/1996 14:14 (EST) |            |   |
| Unit: 1                           |            | Region: 3 |            | State : IA                                       |            | Event Date / Time: 10/28/1996 12:49 (CST) |
| Reactor Type: [1] GE-4            |            |           |            | Last Modification: 10/28/1996                    |            |   |
| Containment Type: MARK I          |            |           |            |  |            |   |
| NRC Notified by: BERGMAN          |            |           |            | Notifications: JORGENSEN RDO                     |            |   |
| HQ Ops Officer: CHAUNCEY GOULD    |            |           |            | DENNIG EO  |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | CARR FEMA  |            |   |
| 10 CFR Section:                   |            |           |            |  |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | No        | 0          | Refueling  | 0          | Refueling                                 |

UNUSUAL EVENT - POTENTIALLY CONTAMINATED INDIVIDUAL TRANSPORTED OFFSITE

AN INDIVIDUAL WORKING IN THE PRIMARY CONTAINMENT GOT A FOREIGN OBJECT IN HIS EYE THAT MAY BE RADIOACTIVELY CONTAMINATED. THE WORKER WAS TRANSPORTED TO MERCY HOSPITAL IN CEDAR RAPIDS.

\*\*\*UPDATE AT 15:09 BY BERGMAN TO GOULD\*\*\* THE NOUE WAS TERMINATED AT 13:58 CT. THE FOREIGN OBJECT WAS RECOVERED AND IT WAS NOT CONTAMINATED. THE RESIDENT WAS NOTIFIED.

\*\*\*UPDATE AT 17:38 BY KUZELLA TO GOULD\*\*\* THE LICENSEE IS RETRACTING THIS EVENT DUE TO THE INDIVIDUAL NOT BEING CONTAMINATED. THE RI WAS INFORMED. REGION 3 DO(JORGENSEN) WAS NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 31338

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: VOGTLE                        |           | Notification Date / Time: 11/15/1996 09:04 (EST) |   |
| Unit: 2                             | Region: 2 | State : GA                                       | Event Date / Time: 11/15/1996 08:42 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 11/15/1996                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: POPE               |           | Notifications: URYC RDO                          |   |
| HQ Ops Officer: BOB STRANSKY        |           | CHAFFEE EO                                       |   |
| Emergency Class: UNUSUAL EVENT      |           | WRIGHT FEMA                                      |   |
| 10 CFR Section:                     |           | BARRETT IRD                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## PARTIAL LOSS OF CONTROL ROOM VISUAL AND AUDIBLE ANNUNCIATORS

DURING PERFORMANCE OF MAINTENANCE ACTIVITIES, A SHORT CIRCUIT CAUSED A GROUND, WHICH RESULTED IN THE LOSS OF NUMEROUS CONTROL ROOM ANNUNCIATORS. THIS CONDITION DOES NOT AFFECT CONTROL PANEL INSTRUMENTATION AND INDICATION. THE LICENSEE HAS IMPLEMENTED COMPENSATORY ACTIONS, AND EXPECTS THE ANNUNCIATORS TO BE RESTORED WITHIN A FEW HOURS. THIS EVENT IS SIMILAR TO ONE THAT OCCURRED ON 10/25/96. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

[HOO NOTE: SEE RELATED EN 31210]

\*\*\* UPDATE AT 1038 EST FROM POPE TAKEN BY KARSCH \*\*\*

AT 0955 EST THE LICENSEE REPLACED THE BURNED OUT FUSE IN THE ANNUNCIATOR POWER SUPPLY. THIS ACTION RESTORED ALL BUT ONE ANNUNCIATOR LIGHT BOX. THE DEENERGIZED LIGHT BOX, CONTAINING 31 ALARMS, IS THE ONE THEY WERE WORKING ON AT THE TIME OF THE SHORT CIRCUIT. IT WILL REMAIN DEENERGIZED UNTIL THE SHORT CIRCUIT IS REPAIRED. THE LICENSEE IS REMAINING IN THE UNUSUAL EVENT UNTIL ALL ANNUNCIATORS ARE RESTORED TO OPERABILITY. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. R2DO (URYC) NOTIFIED.

\*\*\* UPDATE 1116 11/15/96 FROM POPE TAKEN BY STRANSKY \*\*\*

UNUSUAL EVENT TERMINATED AT 1115, AFTER ALL ANNUNCIATORS WERE RESTORED. NOTIFIED R2DO (URYC), EO (CHAFFEE), FEMA (SWITZER).

\*\*\*\*\*

Power Reactor

Event # 31353

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: COOPER                      |           | Notification Date / Time: 11/19/1996 16:27 (EST) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 11/19/1996 15:11 (CST) |
| Reactor Type: [1] GE-4            |           | Last Modification: 11/19/1996                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: CHUCK MURPHY     |           | Notifications: WILLIAM JOHNSON RDO               |   |
| HQ Ops Officer: RUDY KARSCH       |           | AL CHAFFEE, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                   |           | RICH BARRETT, IRD AEOD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A FIRE OF GREATER THAN 10 MINUTES DURATION.

ROOFERS WORKING ON THE ROOF THREW SMOLDERING DEBRIS TO THE GROUND BETWEEN THE REACTOR AND TURBINE BUILDINGS. THE SMOLDERING DEBRIS CAUSED SMOKE, BUT NO OPEN FLAMES WERE OBSERVED. THE ON-SITE FIRE BRIGADE RESPONDED. A REFLASH WATCH HAS BEEN POSTED TO ASSURE THE FIRE IS OUT. THE UNUSUAL EVENT WILL BE TERMINATED IN AN HOUR OR TWO WHEN THE LICENSEE IS ASSURED THAT FIRE DANGER NO LONGER EXISTS.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE STATE AND LOCAL GOVERNMENTS.

\*\*\* UPDATE AT 1740 EST ON 11/19/96, FROM GOODMAN TAKEN BY KARSCH \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1623 CST. THE FIRE LASTED 19 MINUTES AND WAS PUT OUT AT 1518 CST.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRR EO (VARGA), R4DO (JOHNSON), AEOD (BARRETT), AND FEMA (CALDWELL) WERE NOTIFIED BY THE NRC OPERATIONS CENTER.

\*\*\*\*\*

Power Reactor

Event # 31447

|                                      |            |           |            |  |            |   |
|--------------------------------------|------------|-----------|------------|--|------------|---|
| Site: INDIAN POINT                   |            |           |            | Notification Date / Time: 12/13/1996 10:51 (EST) |            |   |
| Unit: 2                              |            | Region: 1 |            | State : NY                                       |            | Event Date / Time: 12/13/1996 10:20 (EST) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP  |            |           |            | Last Modification: 12/13/1996                    |            |   |
| Containment Type: DRY AMB            |            |           |            |  |            |   |
| NRC Notified by: JOHN BALLETTA       |            |           |            | Notifications: JOHN ROGGE RDO                    |            |   |
| HQ Ops Officer: RUDY KARSCH          |            |           |            | BOB DENNIG EO                                    |            |   |
| Emergency Class: UNUSUAL EVENT       |            |           |            | AUSTIN FEMA                                      |            |   |
| 10 CFR Section:                      |            |           |            | STUART RUBIN, IRD AEOD                           |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |           |            |  |            |   |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |           |            |  |            |   |
| Unit                                 | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                    | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

UNUSUAL EVENT DECLARED WHEN VAPOR FROM A TOLUENE SPILL IN AN OFFICE IN THE PROTECTED AREA CAUSED PERSONNEL EVACUATION.

APPROXIMATELY ONE GALLON OF TOLUENE WAS SPILLED ONTO THE FLOOR IN AN OFFICE LOCATED IN THE PROTECTED AREA. THE SUBSEQUENT RELEASE OF TOXIC VAPOR CAUSED THE EVACUATION OF THE AREA AND THE DECLARATION OF AN UNUSUAL EVENT. AS A PRECAUTION THE CONTROL ROOM VENTILATION SYSTEM WAS PLACED INTO THE RECIRCULATION MODE OF OPERATION. A HAZMAT TEAM HAS CLEANED UP THE SPILL. THE LICENSEE EXPECTS TO TERMINATE THE UNUSUAL EVENT WHEN TOXIC VAPOR LEVELS RETURN TO SAFE VALUES AND WORK CAN BE RESUMED IN THE OFFICE.

THE LICENSEE HAS NOTIFIED THE NEW YORK STATE WARNING POINT, THE FOUR SURROUNDING COUNTIES, AND THE NRC RESIDENT INSPECTOR. THE LICENSEE ALSO EXPECTS TO ISSUE A PRESS RELEASE.

\*\*\* 1231 DECEMBER 13, 1996, UPDATE FROM BALLETTA RECEIVED BY S.SANDIN \*\*\*

THE LICENSEE INDICATED THAT NEITHER THE DEPARTMENT OF TRANSPORTATION NOR THE COAST GUARD WILL BE NOTIFIED PER THE LICENSEE'S EMERGENCY PLAN.

\*\*\* 1342 DECEMBER 13, 1996, UPDATE FROM BALLETTA RECEIVED BY TROCINE \*\*\*

AIR MONITORING IS CURRENTLY ONGOING IN THE CENTRAL CONTROL ROOM AND OPERATING AREAS OF THE PLANT, AND MONITORING RESULTS HAVE INDICATED LESS THAN DETECTABLE CONCENTRATIONS OF TOLUENE. THE LICENSEE ALSO STATED THAT NO PREVIOUS ANALYSES IN THESE AREAS HAVE EVER MEASURED DETECTABLE CONCENTRATIONS OF TOLUENE. HOWEVER, THERE ARE STILL DETECTABLE CONCENTRATIONS OF TOLUENE IN THE OFFICE AREA WHERE THE SPILL OCCURRED. THE OFFICE AREA IS CURRENTLY BEING MONITORED, AND THE LICENSEE PLANS

Power Reactor

Event # 31447

TO REMAIN IN THE UNUSUAL EVENT UNTIL THE TOXIC VAPOR CONCENTRATIONS ARE SAFE FOR RE-ENTRY INTO THE AFFECTED OFFICE AREA.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND MADE ADDITIONAL NOTIFICATIONS TO THE DEPARTMENT OF ENVIRONMENTAL CONTROL, THE PUBLIC SERVICE COMMISSION, AND THE WEST CHESTER DEPARTMENT OF HEALTH. THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (ROGGE) AND NRR EO (CHAFFEE).

\*\*\* 1606 DECEMBER 13, 1996, UPDATE FROM BALLETTA RECEIVED BY TROCINE \*\*\*

THE LICENSEE EXITED THE UNUSUAL EVENT AT 1530. WITHIN THE AFFECTED OFFICE BUILDING, THERE IS CURRENTLY ONLY ONE AREA OF APPROXIMATELY 100 SQUARE FEET WHICH REMAINS WITH ANY DETECTABLE TOLUENE CONCENTRATIONS, AND PERSONNEL ACCESS TO THIS AREA HAS BEEN RESTRICTED.

THE LICENSEE NOTIFIED THE APPLICABLE STATE AND COUNTY AGENCIES AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR. TWO PRESS RELEASES WERE ALSO ISSUED. THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (ROGGE), AEOD IRD (CONGEL), NRR EO (CHAFFEE), AND FEMA (RISHE).

\*\*\*\*\*

Power Reactor

Event # 31482

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PERRY                       |           | Notification Date / Time: 12/19/1996 14:17 (EST) |   |
| Unit: 1                           | Region: 3 | State : OH                                       | Event Date / Time: 12/19/1996 14:00 (EST) |
| Reactor Type: [1] GE-6            |           | Last Modification: 12/19/1996                    |   |
| Containment Type: MARK III        |           |  |   |
| NRC Notified by: RICK WILES       |           | Notifications: B.J. HOLT RDO                     |   |
| HQ Ops Officer: RUDY KARSCH       |           | CHAFFEE EO                                       |   |
| Emergency Class: UNUSUAL EVENT    |           | CARR FEMA  |   |
| 10 CFR Section:                   |           | CONGEL AEOD                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(1)(v) ENS INOPERABLE     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO LOSS OF ALL TELEPHONE COMMUNICATION, BOTH ENS AND COMMERCIAL. THE LICENSEE DOES NOT KNOW WHY ALL TELEPHONE COMMUNICATION WAS LOST. THEY HAVE NOTIFIED THE LOCAL PHONE COMPANY. COMMUNICATION TO THE CONTROL ROOM VIA CELL PHONE IS OPERABLE. THE LICENSEE INFORMED STATE AND LOCAL GOVERNMENT AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1450 FROM LARRY WHEELER TAKEN BY KARSCH \*\*\*

THE LICENSEE SUSPECTS THAT EXCAVATION ON-SITE MAY HAVE CUT ALL THE PHONE CABLES. ON-SITE COMMUNICATION HAS NOT BEEN AFFECTED. THE PLANT AND THE OFF-SITE POWER GRID ARE STABLE AT THIS TIME. THEY HAVE ACTIVATED THEIR TSC, AND WILL PROVIDE HOURLY UPDATES. CELL PHONE COMMUNICATION TO THE TSC IS OPERABLE. A PRESS RELEASE MAY BE ISSUED. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1505 FROM TYPINSKI TAKEN BY KARSCH \*\*\*

THE PHONE LINES WERE CUT BY ALL-TELL (LOCAL PHONE CO) WHEN THEY WERE DIGGING OFF-SITE. PHONE CHECKS DETERMINED THAT ONE OF THE TWO SITE COMMUNICATION CELL-PHONES IS NOT WORKING. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1555 FROM WHEELER & KOVACH TAKEN BY KARSCH \*\*\*

REPAIR TO THE PHONE LINES IS ON-GOING. EXPECTED COMPLETION IS BETWEEN 1900 AND 2000 EST. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2258 EST FROM MILLER & WHEELER TAKEN BY KARSCH \*\*\*

ENS PHONE RESTORED AT 2221 EST. OFF-SITE GRID IS STABLE DESPITE SNOW STORM. COMMERCIAL PHONE LINES HAVE BEEN PARTIALLY RESTORED AND REPAIR WORK CONTINUES. THE PLANT IS IN ONE ACTIVE LCO FOR AN INOPERABLE CONTROL ROD DUE TO LOW ACCUMULATOR PRESSURE. RECHARGE OF THE ACCUMULATOR WILL RESTORE THE ROD TO OPERABLE STATUS.

Power Reactor

Event # 31482

\*\*\* UPDATE 0046 EST ON 12/20/96 FROM MILLER TO S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UE AT 0040 EST. ALL OFFSITE TELEPHONE COMMUNICATION LINES HAVE BEEN RESTORED AND THE ACTIVE LCO FOR THE INOPERABLE CONTROL ROD EXITED. THE LICENSEE INFORMED THE RESIDENT INSPECTOR AND IS IN THE PROCESS OF NOTIFYING STATE/LOCAL AGENCIES. THERE IS NO PRESS RELEASE PLANNED AT THIS TIME. NOTIFIED R3DO(HOLT), EO(MATHEWS) AND FEMA(AUSTIN).

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Power Reactor

Event # 31527

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FT CALHOUN                  |           | Notification Date / Time: 12/31/1996 12:48 (EST) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 12/31/1996 11:04 (CST) |
| Reactor Type: [1] CE              |           | Last Modification: 12/31/1996                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: LARRY LEES       |           | Notifications: BLAINE MURRAY RDO                 |   |
| HQ Ops Officer: RUDY KARSCH       |           | BOB DENNING, NRR EO                              |   |
| Emergency Class: UNUSUAL EVENT    |           | CANUPP FEMA                                      |   |
| 10 CFR Section:                   |           | RICH BARRETT, IRD AEOD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | FRANK CONGEL, IRD AEOD                           |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 61         | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE PERSONNEL HAZARD ASSOCIATED WITH A MAIN STEAM LEAK IN THE BASEMENT OF THE TURBINE ROOM UNDER THE TURBINE.

AN OPERATOR ON ROUNDS HEARD A STEAM LEAK AND OBSERVED A 10 OR 15-FOOT PLUME EMANATING FROM A FLANGE IN A 1/4-INCH BYPASS LINE AROUND A MAIN CONTROL VALVE DRAIN VALVE. PLANT SECURITY HAS POSTED A GUARD IN THE AREA TO KEEP PEOPLE AWAY.

THE LICENSEE IS SHUTTING THE REACTOR DOWN AT 1% PER MINUTE. WHEN 10% POWER IS REACHED, THE CONTROL VALVES WILL BE CLOSED TO ISOLATE THE LEAK, AND REPAIRS WILL BE MADE. THE LICENSEE SUSPECTS THAT A DAMAGED GASKET IS THE CAUSE OF THE LEAK. OFF-SITE POWER IS STABLE AT THIS TIME, AND NO FUTURE PERTURBATIONS ARE ANTICIPATED.

THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1441 EST ON 12/31/96, FROM LEES TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1340 CST WHEN THE STEAM LEAK WAS STOPPED. WHEN POWER REACHED 10%, THE TURBINE WAS TRIPPED. SHUTTING THE CONTROL VALVES ISOLATED THE LEAK.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (MURRAY), NRR EO (CHAFFEE), AEOD IRD (CONGEL), AND FEMA (CALDWELL).

\*\*\*\*\*

Power Reactor

Event # 31539

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: DIABLO CANYON                 |           | Notification Date / Time: 01/03/1997 14:46 (EST) |   |
| Unit: 1 2                           | Region: 4 | State : CA                                       | Event Date / Time: 01/03/1997 11:15 (PST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 01/03/1997                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: SKAGGS             |           | Notifications: MURRAY RDO                        |   |
| HQ Ops Officer: BOB STRANSKY        |           | DENNIG EO  |   |
| Emergency Class: UNUSUAL EVENT      |           | SIGELSKI FEMA                                    |   |
| 10 CFR Section:                     |           | BARRETT AEOD                                     |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO MUD SLIDE AFFECTING ACCESS TO THE PLANT SITE

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE CLOSURE OF THE PLANT ACCESS ROAD BECAUSE OF A MUD SLIDE. THE SLIDE OCCURRED SEVERAL MILES FROM THE PLANT SITE, AND DOES NOT DIRECTLY AFFECT SITE OPERATIONS. THE LICENSEE ESTIMATES THAT 8 TO 12 HOURS WILL BE NEEDED TO REOPEN THE ROAD. AN EXTRA OPERATING CREW IS ONSITE FOR REQUALIFICATION TRAINING AND IS AVAILABLE TO OPERATE BOTH UNITS, IF NECESSARY.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

\*\*\* UPDATE AT 1505 FROM GELZER TAKEN BY STRANSKY \*\*\*

THE COUNTY ESTIMATES THAT ONE LANE OF THE ACCESS ROAD WILL BE REOPENED WITHIN 3 HOURS. THE LICENSEE IS CURRENTLY WORKING TO PROVIDE ALTERNATE ACCESS TO THE SITE VIA A DIRT ROAD NORTH OF THE SITE.

\*\*\* UPDATE AT 1740 FROM SKAGGS TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1430 PST. ONE LANE OF THE ACCESS ROAD HAS BEEN REOPENED, AND SOME PLANT EMPLOYEES ARE BEING SENT HOME EARLY TO ASSIST IN TRAFFIC CONTROL.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

THE HOO NOTIFIED R4DO (MURRAY), EO (BATEMAN), AND FEMA (CIBOCH).

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 31633

|                                |                      |  |      |
|--------------------------------|----------------------|--|------|
| Site: HARRIS                   |                      | Notification Date / Time: 01/22/1997 14:25 (EST) |      |
| Unit: 1                        | Region: 2 State : NC | Event Date / Time: 01/22/1997 13:25 (EST)        |      |
| Reactor Type: [1] W-3-LP       |                      | Last Modification: 01/23/1997                    |      |
| Containment Type: DRY AMB      |                      |  |      |
| NRC Notified by: KEN PACE      |                      | Notifications: TOM PEEBLES RDO                   |      |
| HQ Ops Officer: JOHN MacKINNON |                      | BOB CAPRA, NRR EO                                |      |
| Emergency Class: UNUSUAL EVENT |                      | LOREN BUSH, NRR IAT                              |      |
| 10 CFR Section:                |                      | JOHN DAVIDSON, NMSS NMSS                         |      |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED   | FRANK CONGEL, IRD                                | AEOD |
| 73.71(b)(1)                    | SAFEGUARDS REPORTS   | CHUCK DEPUY                                      | FEMA |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

SECURITY EVENT DUE TO POTENTIAL TAMPERING/VANDALISM OF NON-SAFETY RELATED EQUIPMENT. IMMEDIATE COMPENSATORY MEASURES WERE TAKEN UPON DISCOVERY. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR OF THIS EVENT. (REFER TO THE HOO LOG BOOK FOR FURTHER DETAILS.)

\*\*\* UPDATE @ 1608 EST ON 01/22/97, FROM KEN PACE TAKEN BY MACKINNON \*\*\*

THE LICENSEE ENTERED A SECURITY ALERT STATUS AT 1400 EST, AND THE LICENSEE ENTERED AN UNUSUAL EVENT CLASSIFICATION AT 1505 EST. THE LICENSEE SECURED THE SECURITY ALERT AT 1522 EST. THE NRC RESIDENT INSPECTOR WAS NOTIFIED BY THE LICENSEE. THE R2DO (PEEBLES), NRR EO (CAPRA), AEOD IRD (CONGEL), FEMA (DEPUY), NRR IAT (BUSH), AND NMSS IAT (WARREN) WERE NOTIFIED BY THE HOO.

\*\*\* UPDATE @ 1624 EST ON 01/22/97, FROM KEN PACE TAKEN BY MACKINNON \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1610 EST. SUBSEQUENT INVESTIGATION SUGGESTS THAT THE PROBLEM MAY HAVE OCCURRED DURING EARLIER MAINTENANCE ACTIVITY. THE NRC RESIDENT INSPECTOR WAS NOTIFIED BY THE LICENSEE. THE R2DO (FREDRICKSON), NRR EO (CAPRA), AEOD IRD (CONGEL), FEMA (DEPUY), NMSS IAT (WARREN), AND NRR IAT (BUSH) WERE NOTIFIED BY THE HOO.

\*\*\* UPDATE @ 1613 EST ON 01/23/97, FROM PACE RECEIVED BY TROCINE \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT NOTIFICATION BASED UPON THE DETERMINATION THAT THE EVENT WAS NOT A TAMPERING PROBLEM AND THAT IT WAS NOT NECESSARY TO ENTER THE SECURITY ALERT. (REFER TO THE HOO LOG FOR ADDITIONAL DETAILS.) THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (FREDRICKSON), NRR EO (CAPRA), AEOD IRD (CONGEL), NMSS IAT (WARREN), AND NRR IAT (BUSH).

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Power Reactor

Event # 31680

|  |           |  |   |
|--|-----------|--|---|
| Site: HATCH                            |           | Notification Date / Time: 01/29/1997 08:59 (EST) |   |
| Unit: 1                                | Region: 2 | State : GA                                       | Event Date / Time: 01/29/1997 08:35 (EST) |
| Reactor Type: [1] GE-4,[2] GE-4        |           | Last Modification: 01/30/1997                    |   |
| Containment Type: MARK I               |           |  |   |
| NRC Notified by: JIM ANDERSON          |           | Notifications: CHARLES HOSEY RDO                 |   |
| HQ Ops Officer: LEIGH TROCINE          |           | ROBERT DENNIG, NRR EO                            |   |
| Emergency Class: UNUSUAL EVENT         |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                        |           | RICHARD BARRETT, IRD AEOD                        |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           | PIERCE SKINNER REG2                              |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 10         | Startup         | 0          | Hot Shutdown    |

DECLARATION OF AN UNUSUAL EVENT DUE TO IDENTIFICATION OF PRESSURE BOUNDARY LEAKAGE ON THE WELD OF A RESIDUAL HEAT REMOVAL SHUTDOWN COOLING SUCTION LINE THAT COMES OFF OF THE RECIRCULATION LOOP

APPARENTLY, TOTAL FLOOR DRAIN LEAKAGE IN THE DRYWELL HAS BEEN SLOWLY INCREASING, AND THE LICENSEE DECIDED TO SHUT THE UNIT DOWN IN ORDER TO INVESTIGATE THE SOURCE. THE TOTAL FLOOR DRAIN LEAKAGE DURING THE PAST 24 HOURS WAS DETERMINED TO BE 2.53 GALLONS PER MINUTE, AND THE TECHNICAL SPECIFICATION LIMIT WAS 5.0 GALLONS PER MINUTE. WITH THE UNIT OFF LINE AT 9.8% POWER, THE LICENSEE MADE A DRYWELL ENTRY AND IDENTIFIED LEAKAGE FROM THE WELD OF A RESIDUAL HEAT REMOVAL SHUTDOWN COOLING SUCTION LINE THAT COMES OFF OF A RECIRCULATION LOOP. THE LEAKAGE FROM THIS WELD WAS ESTIMATED TO BE APPROXIMATELY 1.5 GALLONS PER MINUTE AND IS CONSIDERED BY THE LICENSEE TO BE PRESSURE BOUNDARY LEAKAGE. AS A RESULT, THE UNIT DECLARED AN UNUSUAL EVENT AT 0835. ALL EMERGENCY CORE COOLING SYSTEMS ARE AVAILABLE IF NEEDED.

THE REACTOR WAS MANUALLY SCRAMMED AT 0849. ALL CONTROL RODS FULLY INSERTED INTO THE CORE. STEAM IS BEING DUMPED TO THE MAIN CONDENSER VIA THE TURBINE BYPASS VALVES TO MAINTAIN THE PLANT CONDITIONS.

THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT EITHER WHEN THE UNIT REACHES COLD SHUTDOWN IN 8 TO 10 HOURS OR WHEN THE VALVE IS REPAIRED. THE LINE IN QUESTION CAN BE ISOLATED, BUT DOING SO WOULD ALSO ISOLATE SHUTDOWN COOLING.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES.

\*\*\* 1755 JANUARY 29, 1997, UPDATE FROM HAMMONDS ENTERED BY JOLLIFFE \*\*\*

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Power Reactor

Event # 31680

THE LICENSEE REPORTED THAT A LOCAL RADIO STATION BROADCAST A NEWS REPORT REGARDING THE DECLARATION OF THE UNUSUAL EVENT AT HATCH UNIT 1.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE HOO NOTIFIED THE R2DO (CHUCK HOSEY) AND NRR EO (JOSE CALVO).

\*\*\* 0756 JANUARY 30, 1997, UPDATE FROM GORLEY ENTERED BY MACKINNON \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0725 ON JANUARY 30, 1997. THE PRIMARY BOUNDARY SYSTEM LEAK WAS REPAIRED. (THE SOCKET WELD ON THE SHUTDOWN COOLING SYSTEM VENT LINE WAS REWELDED.) THE PLANT WILL BE TAKEN TO A COLD SHUTDOWN CONDITION FOR PLANNED MAINTENANCE.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS THAT THE UNUSUAL EVENT HAD BEEN TERMINATED. THE LICENSEE ALSO NOTIFIED THE NRC RESIDENT INSPECTOR. THE R2DO (HOSEY), NRR EO (DENNIG), AND FEMA (CEGIELSKI) WERE NOTIFIED BY THE NRC OPERATIONS CENTER.

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Power Reactor

Event # 31691

|                                   |                      |  |            |                 |            |                 |
|-----------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: CRYSTAL RIVER               |                      | Notification Date / Time: 01/30/1997 13:55 (EST) |            |                 |            |                 |
| Unit: 3                           | Region: 2 State : FL | Event Date / Time: 01/30/1997 13:00 (EST)        |            |                 |            |                 |
| Reactor Type: [3] B&W-L-LP        |                      | Last Modification: 01/30/1997                    |            |                 |            |                 |
| Containment Type: DRY AMB         |                      |  |            |                 |            |                 |
| NRC Notified by: G.L. SUTTER      |                      | Notifications: CHARLES HOSEY RDO                 |            |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN      |                      | BUTCH BURDEN EO                                  |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |                      | RICHARD BARRETT IRD                              |            |                 |            |                 |
| 10 CFR Section:                   |                      | SULLIVAN FEMA                                    |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |            |                 |            |                 |
| Unit                              | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                 | N                    | No   | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

AN UNUSUAL EVENT WAS DECLARED AND TERMINATED FOLLOWING A FIRE AND POSSIBLE EXPLOSION OF THE CRYSTAL RIVER UNIT 4 MAIN TRANSFORMER.

"REPORTS MADE FROM THE SITE OF AN EARLY MORNING FIRE INVOLVING A NEARBY FOSSIL FUELED (COAL) ELECTRIC POWER GENERATION UNIT TRANSFORMER INDICATE THAT A POSSIBLE EXPLOSION MAY HAVE OCCURRED. THE FIRE HAS BEEN EXTINGUISHED. NO DAMAGE OCCURRED TO THE NUCLEAR UNIT."

THE LICENSEE'S EMERGENCY ACTION LEVEL REQUIRES CLASSIFICATION OF ANY CONDITION INVOLVING A SEVERE EXPLOSION NEAR OR WITHIN 0.83 MILES OF THE SITE BOUNDARY. THE AFFECTED UNIT 4 MAIN TRANSFORMER IS WITHIN 0.7 MILES OF THE SITE BOUNDARY...

THE LICENSEE NOTIFIED THE STATE OF FLORIDA, CITRUS AND LEVY COUNTIES, DEPARTMENT OF HUMAN REHABILITATIVE SERVICES (DHRS), AND THE NRC RESIDENT INSPECTOR. THE LICENSEE PLANS ON ISSUING A PRESS RELEASE.

\*\*\*\*\*

Power Reactor

Event # 31725

|                                   |                      |  |            |                 |            |                 |
|-----------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: CLINTON                     |                      | Notification Date / Time: 02/03/1997 23:36 (EST) |            |                 |            |                 |
| Unit: 1                           | Region: 3 State : IL | Event Date / Time: 02/03/1997 22:11 (CST)        |            |                 |            |                 |
| Reactor Type: [1] GE-6            |                      | Last Modification: 02/04/1997                    |            |                 |            |                 |
| Containment Type: MARK III        |                      |  |            |                 |            |                 |
| NRC Notified by: J. LANHAM        |                      | Notifications: TOM KOZAK/REGION 3 RDO            |            |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY      |                      | JOSE CALVO/NRR EO                                |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |                      | CANUPP FEMA                                      |            |                 |            |                 |
| 10 CFR Section:                   |                      | RICHARD BARRETT/AEO IRD                          |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |            |                 |            |                 |
| 50.72(b)(1)(iii) EARTHQUAKE       |                      |  |            |                 |            |                 |
| Unit                              | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N                    | No   | 0          | Refueling       | 0          | Refueling       |

## DECLARATION OF UNUSUAL EVENT DUE TO POTENTIAL EARTHQUAKE ONSITE

AT 2100 CST ON 02/03/97, SEISMIC RECORDER CHANNELS 1, 2, 3, AND 5 ACTIVATED. CHANNEL 1 (THE ELECTRONIC RECORDER) INDICATED A GROUND ACCELERATION OF 0.03g. THE OTHER RECORDER CHANNELS ARE ANALOG (SCRATCH PLATES) AND ARE CURRENTLY BEING EVALUATED. NO ONE ONSITE FELT GROUND MOTION; HOWEVER, THE LICENSEE CONSIDERS THE SEISMIC ALARMS TO BE VALID AT THIS TIME.

THE LICENSEE ENTERED ITS EARTHQUAKE RESPONSE PROCEDURE, AND PLANT WALKDOWNS ARE CURRENTLY BEING PERFORMED. THE LICENSEE HAS CONTACTED NUCLEAR POWER PLANTS IN THE SURROUNDING AREA, BUT NONE HAVE DETECTED ANY SEISMIC ACTIVITY. THE LICENSEE ALSO CONTACTED THE NATIONAL EARTHQUAKE INFORMATION CENTER IN BOULDER, COLORADO, BUT NO EARTHQUAKE ACTIVITY HAS BEEN REPORTED IN THE VICINITY OF THE PLANT.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE.

\*\*\* UPDATE AT 0542 EST ON 02/04/97, FROM POWERS TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0350 CST ON 02/04/97. PLANT WALKDOWNS FAILED TO FIND ANY DAMAGE TO THE PLANT.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (KOZAK), NRR EO (CALVO), AND FEMA (CANUPP).

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Power Reactor

Event # 31843

|   |            |  |   |                 |            |                 |
|---|------------|--|---|-----------------|------------|-----------------|
| Site: ZION                              |            | Notification Date / Time: 02/24/1997 20:31 (EST) |   |                 |            |                 |
| Unit: 1                                 | Region: 3  | State : IL                                       | Event Date / Time: 02/24/1997 19:00 (CST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP     |            | Last Modification: 02/25/1997                    |   |                 |            |                 |
| Containment Type:                       |            |  |   |                 |            |                 |
| NRC Notified by: SCHULLER               |            | Notifications: WRIGHT RDO                        |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY            |            | ADENSAM EO                                       |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT          |            | RUBIN IRD  |   |                 |            |                 |
| 10 CFR Section:                         |            | SULLIVAN FEMA                                    |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(B) DEVIATION FROM T SPEC |            |  |   |                 |            |                 |
| TECH SPEC LCO A/S                       |            |  |   |                 |            |                 |
| Unit                                    | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                       | N          | No   | 0   | Hot Shutdown    | 0          | Hot Shutdown    |

#### MINIMUM NUMBER OF RCS FLOW TRANSMITTERS NOT OPERABLE

ON 02/22/97, RCS LOOP 'A' FLOW TRANSMITTERS 1FI-414, 415, AND 416 WERE TAKEN OUT OF SERVICE FOR WORK ON ONE OF THE TRANSMITTERS. (THE INSTRUMENTS SHARE A COMMON LOW PRESSURE HEADER.) THIS PLACED THE UNIT IN A LIMITING CONDITION FOR OPERATION (LCO) IN ACCORDANCE WITH TECHNICAL SPECIFICATION 3.1.3 BECAUSE THE UNIT DOES NOT MEET THE MINIMUM DEGREE OF REDUNDANCY FOR RCS LOOP 'A' NOR THE MINIMUM NUMBER OF OPERABLE CHANNELS. THE LCO PERMITTED THE UNIT TO REMAIN IN MODE 3 FOR 24 HOURS AND THEN PERMITTED THE UNIT TO PROCEED TO MODE 5 WITHIN THE NEXT 24 HOURS. THE UNIT HAS NOW EXCEEDED THE LCO TIME CLOCK.

PLANT PROCEDURES REQUIRE THE DECLARATION OF AN UNUSUAL EVENT WHENEVER AN LCO TIME CLOCK IS EXCEEDED. THE LICENSEE IS ATTEMPTING TO RETURN THE FLOW TRANSMITTERS TO SERVICE. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\* UPDATE AT 2236 ON 02/25/97, FROM GIERNOTH TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2122 CST WHEN THE UNIT REACHED COLD SHUTDOWN. THE NRC RESIDENT INSPECTOR WILL BE INFORMED. THE HOO NOTIFIED THE R3DO (WRIGHT), NRR EO (MCKEE), AND FEMA (AUSTIN).

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Power Reactor

Event # 31868

|                                     |            |  |            |                 |            |                 |
|-------------------------------------|------------|--|------------|-----------------|------------|-----------------|
| Site: ZION                          |            | Notification Date / Time: 02/28/1997 12:22 (EST) |            |                 |            |                 |
| Unit: 2                             | Region: 3  | Event Date / Time: 02/28/1997 11:10 (CST)        |            |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 02/28/1997                    |            |                 |            |                 |
| Containment Type:                   |            |  |            |                 |            |                 |
| NRC Notified by: CURT BASNER        |            | Notifications: GEOFFREY WRIGHT RDO               |            |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH         |            | BOB DENNIG EO                                    |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | LAIRD FEMA                                       |            |                 |            |                 |
| 10 CFR Section:                     |            | RICH BARRETT AEOD                                |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |            |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | No   | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE POSSIBILITY THAT PLANT SAFETY COULD BE IN JEOPARDY. A DEVICE ATTACHED BY A STRING TO A PARACHUTE IS LODGED IN THE UNIT TWO SYSTEM AUXILIARY TRANSFORMER (SAT) TRUSS WORK OVER THE BUS BARS. REMOVAL OF THE DEVICE, WHICH APPEARS TO BE AN ELECTRICAL BOX, WILL REQUIRE THE DEENERGIZATION OF THE SAT.

DECAY HEAT REMOVAL IS VIA THE "A" TRAIN OF RHR. THE EMERGENCY DIESEL GENERATOR (EDG) FOR THIS TRAIN IS OUT OF SERVICE, HOWEVER, RESERVE POWER FROM UNIT 1 IS AVAILABLE, AND THE OTHER TRAIN OF RHR AND ITS EDG ARE ALSO AVAILABLE.

THE LICENSEE HAS CALLED THE LAKE COUNTY BOMB SQUAD AS A PRECAUTION. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, AND MIGHT ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 2326 EST FROM LOGARAS TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THEIR UNUSUAL EVENT AT 2215 CST. THE DEVICE WHICH BELONGS TO THE NATIONAL WEATHER SERVICE, WAS REMOVED FROM THE UNIT 2 SWITCHYARD. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. R3DO (WRIGHT), NRR EO (McKEE), FEMA (CANUPP).

\*\*\*\*\*

Power Reactor

Event # 31884

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: TURKEY POINT                  |           | Notification Date / Time: 03/04/1997 07:55 (EST) |   |
| Unit: 3 4                           | Region: 2 | State : FL                                       | Event Date / Time: 03/04/1997 07:35 (EST) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |           | Last Modification: 03/04/1997                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: MIKE KOHL          |           | Notifications: EDWARD MCALPINE RDO               |   |
| HQ Ops Officer: JOHN MacKINNON      |           | BOB DENNIG, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT      |           | HERSKO FEMA                                      |   |
| 10 CFR Section:                     |           | RICH BARRETT, IRD AEOD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 50.72(b)(1)(vi) FIRE (ONSITE)       |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 4    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO A FIRE ON SITE LASTING MORE THAN TEN MINUTES.

AN ELECTRICAL FIRE OCCURRED IN THE 4A (ROD DRIVE) MOTOR GENERATOR SET. THE 4A MOTOR GENERATOR WAS SECURED, AND THE FIRE WAS EXTINGUISHED USING CARBON DIOXIDE. THERE WERE NO PERSONNEL INJURIES. THE METRO DADE COUNTY FIRE DEPARTMENT WAS CALLED TO THE SITE BUT DID NOT PARTICIPATE IN EXTINGUISHING THE ELECTRICAL FIRE. THE CAUSE OF THE FIRE IS UNKNOWN AT THIS TIME, AND A REFLASH WATCH IS AT THE SEEN OF THE ELECTRICAL FIRE. THERE IS STILL SMOKE IN THE 4A MOTOR GENERATOR ROOM. THIS EVENT DOES NOT AFFECT THE OPERABILITY OF UNIT 4, AND ALL THE EMERGENCY CORE COOLING SYSTEMS AND EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE. OFFSITE POWER IS AVAILABLE, AND THE ELECTRICAL GRID IS STABLE. THE LICENSEE STATED THAT THE UNIT WAS NOT IN ANY TECHNICAL SPECIFICATION ACTION STATEMENTS BECAUSE OF THIS ELECTRICAL FIRE. THE UNUSUAL EVENT WAS TERMINATED AT 0800 EST.

THE 4A AND 4B ROD DRIVE MOTOR GENERATOR SETS ARE ELECTRICALLY CROSS TIED SO WHEN THE 4A ROD DRIVE MOTOR GENERATOR SET WAS SECURED, THE 4B ROD DRIVE MOTOR GENERATOR SET SUPPLIED ELECTRICAL POWER TO ALL OF UNIT 4's RODS. AN INVESTIGATION OF WHAT CAUSED THE ELECTRICAL FIRE WILL BE PERFORMED.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THIS EVENT. THE NRC RESIDENT INSPECTOR WAS ALSO NOTIFIED OF THIS EVENT AND WAS IN THE CONTROL ROOM WHEN THIS EVENT NOTIFICATION WAS MADE BY THE LICENSEE.

\*\*\* UPDATE @ 0829 EST ON 03/04/97, FROM KOHL TAKEN BY MACKINNON \*\*\*

THE LICENSEE REPORTED THAT SPARKS UP TO A FOOT LONG WERE SEEN COMING FROM THE EXCITER OF THE 4A ROD DRIVE MOTOR GENERATOR SET. FLAMES WERE NOT SEEN. THE ROD DRIVE MOTOR GENERATOR SETS ARE LOCATED IN THE INVERTER ROOM WHICH IS HOUSED IN THE

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Power Reactor

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CONTROL ROOM BUILDING. AT THIS TIME, THE LICENSEE BELIEVES THAT THERE WAS AN ELECTRICAL FAULT IN THE 4A MOTOR GENERATOR SET.

THE NRC RESIDENT INSPECTOR HAS BEEN NOTIFIED OF THIS UPDATE BY THE LICENSEE. THE R2DO (MCALPINE) WAS NOTIFIED BY THE NRC OPERATIONS CENTER.

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Power Reactor

Event # 31895

|  |                      |  |            |                 |            |                 |
|--|----------------------|--|------------|-----------------|------------|-----------------|
| Site: BROWNS FERRY                       |                      | Notification Date / Time: 03/05/1997 12:31 (EST) |            |                 |            |                 |
| Unit: 2 3                                | Region: 2 State : AL | Event Date / Time: 03/05/1997 10:40 (CST)        |            |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4,[3] GE-4 |                      | Last Modification: 03/05/1997                    |            |                 |            |                 |
| Containment Type: MARK I MARK I          |                      |  |            |                 |            |                 |
| NRC Notified by: DONALD C. SMITH         |                      | Notifications: THOMAS PEEBLES RDO                |            |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE            |                      | ROBERT DENNIG, NRR EO                            |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT           |                      | SULLIVAN FEMA                                    |            |                 |            |                 |
| 10 CFR Section:                          |                      | FRANK CONGEL, IRD AEOD                           |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED        |                      |  |            |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION            |                      |  |            |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION     |                      |  |            |                 |            |                 |
| Unit                                     | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 2  | N                    | Yes  | 100        | Power Operation | 100        | Power Operation |
| 3  | N                    | No   | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED FOR UNIT 3 DUE TO A LOSS OF ALL OFFSITE POWER, AUTOMATIC STARTING AND LOADING OF THE AVAILABLE UNIT 3 EMERGENCY DIESEL GENERATORS, AND AUTOMATIC INITIATION OF STANDBY GAS TREATMENT AND CONTROL ROOM EMERGENCY VENTILATION (COMMON TO UNITS 2 AND 3)

AT 1040 CST, A LOSS OF ALL 161-KV OFFSITE POWER OCCURRED. UNIT 3 WAS IN A REFUELING OUTAGE, AND CORE RELOAD WAS COMPLETE. THIS UNIT WAS RELYING TOTALLY ON THE ATHENS AND TRINITY 161-KV LINES FOR OFFSITE POWER. THE AVAILABLE UNIT 3 EMERGENCY DIESEL GENERATORS (3A, 3C, AND 3D) AUTOMATICALLY STARTED AS EXPECTED AND PROVIDED POWER TO THE SHUTDOWN BOARDS. (THE 3B EMERGENCY DIESEL GENERATOR HAD PREVIOUSLY BEEN TAGGED OUT OF SERVICE FOR THE PERFORMANCE OF MAINTENANCE.) UNIT 3 SHUTDOWN COOLING HAD NOT BEEN RUNNING PRIOR TO THE EVENT AND WAS UNAFFECTED. ONE TRAIN OF SHUTDOWN COOLING IS CURRENTLY AVAILABLE IF NEEDED. FUEL POOL COOLING WAS LOST UPON THE LOSS OF OFFSITE POWER AND SUBSEQUENT LOAD SHED, BUT OPERATORS MANUALLY RESTARTED THE 3B AND 3A FUEL POOL COOLING PUMPS AT 1047 CST AND 1048 CST, RESPECTIVELY. AS A RESULT, THERE WAS NO SIGNIFICANT INCREASE IN WATER TEMPERATURE. IN ADDITION, ALL THREE TRAINS OF STANDBY GAS TREATMENT AND ONE TRAIN OF CONTROL ROOM EMERGENCY VENTILATION AUTOMATICALLY INITIATED AS EXPECTED. AT THE TIME OF THIS EVENT, UNIT 2 WAS OPERATING AT 100% REACTOR POWER AND WAS RELYING ON 500-KV LINES FOR OFFSITE POWER. UNIT 2 WAS UNAFFECTED EXCEPT FOR THE AUTOMATIC INITIATIONS OF THE STANDBY GAS TREATMENT AND CONTROL ROOM EMERGENCY VENTILATION SYSTEMS WHICH ARE COMMON THE BOTH UNITS 2 AND 3.

AS A RESULT OF THE LOSS OF ALL OFFSITE POWER TO UNIT 3, THE LICENSEE DECLARED AN UNUSUAL EVENT ON UNIT 3 AT 1122 CST. OFFSITE POWER WAS RESTORED AT 1124 CST, AND THE UNUSUAL EVENT WAS TERMINATED AT 1136 CST (DURING THIS EVENT NOTIFICATION).

PRIOR TO THIS EVENT, THE LICENSEE HAD BEEN PERFORMING TESTING FOR A FEEDWATER PUMP

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MODIFICATION/UPGRADE. AS PART OF THIS TESTING, THE 3B3 EMERGENCY BEARING OIL PUMP, WHICH IS A DC PUMP THAT IS FED FROM BATTERY BOARD #4, WAS STARTED. THE LICENSEE CURRENTLY BELIEVES THAT THE STARTING OF THIS PUMP CAUSED VOLTAGE SURGES ON BATTERY BOARD #4 AND THAT THESE VOLTAGES SURGES IN TURN CAUSED THE RELAYS FOR THE 161-KV LINES TO OPEN.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE OF ALABAMA. (REFER TO THE HOO LOG FOR A SITE CONTACT TELEPHONE NUMBER.)

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Power Reactor

Event # 31902

|                                    |            |  |   |                 |            |                 |
|------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PALO VERDE                   |            | Notification Date / Time: 03/06/1997 10:03 (EST) |   |                 |            |                 |
| Unit: 3                            | Region: 4  | State : AZ                                       | Event Date / Time: 03/06/1997 07:15 (MST) |                 |            |                 |
| Reactor Type: [1] CE,[2] CE,[3] CE |            | Last Modification: 03/06/1997                    |   |                 |            |                 |
| Containment Type: DRY AMB          |            |  |   |                 |            |                 |
| NRC Notified by: K. ROBERSON       |            | Notifications: BARNES RDO                        |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY       |            | DENNIG EO  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT     |            | WRIGHT FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                    |            | CONGEL IRD AEOD                                  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |  |   |                 |            |                 |
| Unit                               | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                  | N          | No   | 0   | Refueling       | 0          | Refueling       |

## UNUSUAL EVENT DECLARED DUE TO PARTIAL DRAINDOWN OF SPENT FUEL POOL

AT 0625 MST, THE LICENSEE RECEIVED AN ALARM THAT THE WATER LEVEL IN THE SPENT FUEL POOL WAS DECREASING, AND WORKERS WERE DISPATCHED TO INVESTIGATE AND CORRECT THE PROBLEM. THE LICENSEE DETERMINED THAT AN INFLATABLE SEAL ASSOCIATED WITH THE GATE BETWEEN THE SPENT FUEL POOL AND THE TRANSFER CANAL HAD LOW AIR PRESSURE. THE INITIAL POOL WATER LEVEL WAS 24' ABOVE THE TOP OF FUEL (138' ELEVATION), AND DECREASED BY ONE FOOT BEFORE THE LEAKAGE WAS TERMINATED AT APPROXIMATELY 0715 MST. NO INCREASED RADIATION LEVELS WERE DETECTED AS A RESULT OF THE LEVEL DECREASE.

CONTROL ROOM PERSONNEL ENTERED AND EXITED THE UNUSUAL EVENT AT 0715 MST, AFTER DETERMINING THAT THE EVENT HAD MET AN ENTRY CONDITION (EMERGENCY CLASSIFICATION RAD-3). THE LICENSEE STATED THAT THE TECHNICAL SPECIFICATION SPENT FUEL POOL MINIMUM WATER LEVEL (137' ELEVATION) WAS NOT VIOLATED DURING THE EVENT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

\*\*\*UPDATE ON 3/6/97 @ 1244 BY ROBERSON TO GOULD\*\*\* THE LICENSEE ORIGINALLY STATED THAT "NO ESF ACTUATIONS OCCURRED AND NONE WERE REQUIRED", BUT PER ABNORMAL OPERATING PROCEDURE RELATED TO DECREASE IN SPENT FUEL POOL LEVEL, A MANUAL FUEL BUILDING ESSENTIAL VENTILATION ACTUATION SYSTEM WAS ACTUATED AT 0643 MST. ONE DAMPER HAD TO BE MANUALLY OPENED TO ITS ACTUATED POSITION. THE RESIDENT INSPECTOR WAS NOTIFIED. REG 4 RDO(BARNES) WAS NOTIFIED.

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Power Reactor

Event # 31931

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: ZION                          |           | Notification Date / Time: 03/11/1997 17:45 (EST) |   |
| Unit: 1                             | Region: 3 | State : IL                                       | Event Date / Time: 03/11/1997 15:54 (CST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 03/15/1997                    |   |
| Containment Type:                   |           |  |   |
| NRC Notified by: WINTERS            |           | Notifications: WAYNE KROPP RDO                   |   |
| HQ Ops Officer: RUDY KARSCH         |           | STUART RICHARDS, NRR EO                          |   |
| Emergency Class: UNUSUAL EVENT      |           | BOB CALDWELL FEMA                                |   |
| 10 CFR Section:                     |           | STU RUBIN, IRD AEOD                              |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | AL CHAFFEE NRR                                   |   |
| 50.72(b)(2)(ii) ESF ACTUATION       |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

DECLARATION OF AN UNUSUAL EVENT DUE TO THE LOSS OF OFFSITE POWER TO UNIT 1, i.e., LOSS OF THE SYSTEM AUXILIARY TRANSFORMER AND THE SUBSEQUENT STARTING AND LOADING OF THE EMERGENCY DIESEL GENERATORS (EDG)

THE SYSTEM AUXILIARY TRANSFORMER [WHICH SUPPLIES POWER TO THE ENGINEERED SAFETY FEATURE (ESF) BUSES] TRIPPED, AND THE DELUGE SYSTEM ACTUATED FOR UNKNOWN REASONS. BOTH UNIT 1 EDGs ('1A' AND '1B') AND THE SHARED EDG ('0') STARTED AND SUPPLIED POWER TO THE UNIT 1 ESF BUSES. SHUTDOWN COOLING WAS LOST FOR 8 MINUTES DUE TO THE INTERRUPTION IN POWER, AND AN INCREASE IN REACTOR COOLANT TEMPERATURE FROM 92°F TO 112°F WAS OBSERVED. THE EDGs ARE STILL RUNNING AND SUPPLYING POWER FOR THE RESIDUAL HEAT REMOVAL (RHR) SYSTEM. AS A RESULT OF THIS EVENT, AN UNUSUAL EVENT WAS DECLARED AT 1617 CST ON MARCH 11, 1997.

OFFSITE POWER IS CURRENTLY AVAILABLE FROM UNIT 2; HOWEVER, THE LICENSEE HAS CHOSEN TO CONTINUE RUNNING THE EDGs WHILE TROUBLESHOOTING THE SYSTEM AUXILIARY TRANSFORMER PROBLEM. THE CRITERION FOR TERMINATING THE UNUSUAL EVENT IS THE RESTORATION OF RELIABLE OFFSITE POWER TO THE ESF BUSES.

THE LICENSEE PLANS TO INFORM THE NRC RESIDENT INSPECTOR.

\*\*\* 1950 EST MARCH 11, 1997, UPDATE FROM WINTERS TAKEN BY KARSCH \*\*\*

THE LICENSEE HAS RESTORED OFFSITE POWER TO UNIT 1 BUS '147' VIA THE UNIT 2 SYSTEM AUXILIARY TRANSFORMER. BOTH UNIT 1 TRAINS OF RHR ARE CURRENTLY BEING POWERED BY UNIT 1 BUSES '148' AND '149' WHICH ARE IN TURN BEING POWERED BY THE '1A' AND '1B' EDGs, RESPECTIVELY.

THE OPERATIONS CENTER NOTIFIED THE NRR EO (RICHARDSON) AND R3DO (KROPP).

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\*\*\* 0536 EST MARCH 12, 1997, UPDATE FROM RENDALL RECEIVED BY TROCINE \*\*\*

THE LICENSEE PROVIDED AN UPDATE REGARDING THE STATUS OF UNIT 1. THE UNIT 1 SYSTEM AUXILIARY TRANSFORMER IS STILL DE-ENERGIZED. IN ADDITION, THE TWO ESSENTIAL BUSES ('148' AND '149') WHICH ARE SUPPLYING POWER TO RHR ARE STILL BEING SUPPLIED BY THE '1A' AND '1B' EDGs, AND THE REMAINING ESSENTIAL UNIT 1 BUS ('147') IS BEING SUPPLIED BY THE UNIT 2 SYSTEM AUXILIARY TRANSFORMER. THE RING BUS WAS ALSO CLOSED AT 0426 CST ON MARCH 12, 1997.

THE LICENSEE REPORTED THE FOLLOWING PRIORITIES:

1. INITIATE A RESERVE FEED FROM THE UNIT 2 SYSTEM AUXILIARY TRANSFORMER TO BUSES '148' AND '149,'
2. PROVIDE ALTERNATE POWER TO THE STATION FIRE PROTECTION CARDOX (CO2) TANK COMPRESSOR,
3. CLEAR THE UNIT 2 MAIN GENERATOR (OUT OF SERVICE TO OBTAIN ADDITIONAL GROUND BREAKERS),
4. RECOVER THE UNIT 1 SYSTEM AUXILIARY TRANSFORMER,
5. DEVELOP RADWASTE CONTINGENCIES,
6. DEPRESSURIZE THE UNIT 1 GENERATOR,
7. IMPLEMENT ALTERNATE HEATING TO BUILDINGS, AND
8. DEVELOP AN ALTERNATE POWER SOURCE TO THE '1A' INSTRUMENT AIR COMPRESSOR.

THE LICENSEE PLANS TO PROVIDE ADDITIONAL INFORMATION IF THE STATUS OF THE PLANT OR EMERGENCY CLASSIFICATION CHANGES.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, AND THE APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (KROPP), NRR EO (RICHARDSON), AND AEOD IRD (RUBIN).

HOO NOTES: THE LICENSEE'S TECHNICAL SUPPORT CENTER WAS ACTIVATED DURING THIS EVENT. BOTH UNITS ARE IN COLD SHUTDOWN WITH FUEL LOADED IN THE REACTOR VESSELS. THE UNIT 1 REACTOR COOLANT SYSTEM IS CURRENTLY SOLID AND DEPRESSURIZED. THE UNIT 2 EDGs ('2A' AND '2B') WERE NOT AFFECTED BY THIS EVENT. HOWEVER, THE '2B' EDG HAS BEEN OUT OF SERVICE DUE TO A PREVIOUS PROBLEM INVOLVING A CYLINDER LINER FAILURE.

\*\*\* 0133 EST MARCH 15, 1997 UPDATE FROM ROWE RECEIVED BY TROCINE \*\*\*

ON MARCH 14, 1997, THE LICENSEE RE-ENERGIZED THE UNIT 1 SYSTEM AUXILIARY TRANSFORMER AT 0740 CST; AND THIS TRANSFORMER BECAME THE POWER SUPPLY FOR UNIT 1 ESSENTIAL BUSES '147,' '148,' AND '149' AT 1718 CST, 1832 CST, AND 2350 CST, RESPECTIVELY. AS A RESULT, THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0021 CST ON MARCH 15, 1997, BECAUSE A RELIABLE POWER SUPPLY FROM OFFSITE POWER TO THE ESSENTIAL SERVICE BUSES WAS RE-ESTABLISHED.

THE LICENSEE PLANS TO LEAVE COMMAND AND CONTROL IN THE TECHNICAL SUPPORT CENTER UNTIL ALL EVOLUTIONS (SUCH AS EDG RELIABILITY) HAVE BEEN COMPLETED. AT THIS TIME, THE LICENSEE'S FIRST PRIORITY IS TO PROVE EDG OPERABILITY. THE '1A' AND '1B' EDGs ARE CURRENTLY RUNNING, AND THEY HAVE BEEN LOADED TO 4 MW EACH. THE OPERABILITY ASSESSMENT ON THE UNIT 1 EDGs HAS ALSO BEEN WRITTEN, BUT IT STILL NEEDS TO BE SIGNED. IN ADDITION, THE LICENSEE PLANS TO COOL DOWN THE '1A' AND '1B' EDGs, DO A PERFORMANCE TEST OF '1A' EDG, PERFORM A ROLL-OVER OF THE '0' EDG TO PROVE THAT THERE IS NO WATER IN THE CYLINDERS, AND PERFORM A ROLL-OVER OF THE '1A' EDG 24 HOURS AFTER PERFORMANCE OF THE OPERABILITY TEST HAS BEEN PERFORMED. THE LICENSEE PLANS TO TEST THE '1B' EDG AFTER OPERABILITY OF

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THE '1A' EDG HAS BEEN VERIFIED.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (KROPP), AEOD IRD (CONGEL AND RUBIN), NRR EO (RICHARDS), NRR (CAPRA AND ZIMMERMAN), AND FEMA (CIBOCH).

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Power Reactor

Event # 31934

|                                   |           |  |  |
|-----------------------------------|-----------|--|--|
| Site: LASALLE                     |           | Notification Date / Time: 03/11/1997 21:38 (EST) |  |
| Unit: 1 2                         | Region: 3 | Event Date / Time: 03/11/1997 19:45 (CST)        |  |
| Reactor Type: [1] GE-5,[2] GE-5   |           | Last Modification: 03/26/1997                    |  |
| Containment Type: MARK II MARK II |           |  |  |
| NRC Notified by: JAY HOUSTON      |           | Notifications: WAYNE KROPP RDO                   |  |
| HQ Ops Officer: RUDY KARSCH       |           | STUART RICHARDS, NRR EO                          |  |
| Emergency Class: UNUSUAL EVENT    |           | KNUPP FEMA                                       |  |
| 10 CFR Section:                   |           | STU RUBIN, IRD AEOD                              |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1945 CST WHEN LAKE LEVEL ROSE ABOVE THE MAXIMUM ALLOWED FINAL SAFETY ANALYSIS REPORT (FSAR) VALUE.

THE MAXIMUM LAKE LEVEL ALLOWED BY THE LICENSEE'S FSAR IS 701 FEET, AND THE LAKE LEVEL IS NOW AT 701.8 FEET. THE LAKE LEVEL BLOWDOWN VALVE IS BROKEN, AND RAIN IS FORECAST. THE LICENSEE, THEREFORE, EXPECTS THAT LAKE LEVEL MIGHT INCREASE IN THE NEAR FUTURE. THE LICENSEE IS ATTEMPTING TO HAVE DIVERS REPAIR THE BLOWDOWN VALVE. IN ADDITION, PERSONNEL ARE MONITORING THE LOWER ELEVATIONS IN THE PLANT, AND THE ENGINEERING DEPARTMENT IS RE-EVALUATING THE 701-FOOT LEVEL LIMIT.

THE LICENSEE IS ACTIVATING ITS TECHNICAL SUPPORT CENTER AND HAS NOTIFIED STATE GOVERNMENT AGENCIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2159 ON MARCH 15, 1997, FROM ARGUBRIGHT TO S. SANDIN \*\*\*

THE STATION REMAINS IN AN UNUSUAL EVENT (EAL HU2) DUE TO A HIGH LAKE LEVEL (>701 FEET) THAT IS OUTSIDE OF THE PLANT'S DESIGN BASIS. LAKE LEVEL IS CURRENTLY 701.5 FEET AND HAS BEEN TRENDING DOWNWARD SINCE BLOWDOWN FLOW WAS REESTABLISHED ON THURSDAY, MARCH 13, 1997.

THE STATION ANTICIPATES TERMINATING THE UNUSUAL EVENT NEXT WEEK WHEN LAKE LEVEL HAS BEEN RESTORED TO LESS THAN 700.75 FEET (CONFIRMED BY SURVEYOR), PROVIDED NO SIGNIFICANT PRECIPITATION IS FORECASTED IN THE SUBSEQUENT 3 DAYS.

COMPENSATORY AND CONTINGENCY ACTIONS (FLOOD WATCHES, EMERGENCY BACKUP PUMPING EQUIPMENT, SANDBAGS, ETC.) ESTABLISHED AT THE ONSET OF THE UNUSUAL EVENT WILL REMAIN IN EFFECT UNTIL THE UNUSUAL EVENT IS TERMINATED.

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BASED ON THE CORRECTIVE, MITIGATING, AND COMPENSATORY ACTIONS TAKEN AND THE CURRENT DOWNWARD TREND IN LAKE LEVEL, THE TECHNICAL SUPPORT CENTER MANNING ESTABLISHED AT THE ONSET OF THE EVENT HAS BEEN SECURED. THE UNIT 1 SHIFT MANAGER WILL CONTINUE FULFILLING THE POSITION OF ACTING STATION DIRECTOR. THE UNIT 1 PLANT MANAGER HAS BEEN ASSIGNED AS THE ISSUES MANAGER FOR ANY NEW AND REMAINING ISSUES.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE HOO NOTIFIED THE R3DO (KROPP) AND NRR EO (RICHARDS).

\*\*\* UPDATE 1810 EST ON 03/26/97 BY GRAFF TAKEN BY MACKINNON \*\*\*

UNUSUAL EVENT TERMINATED AT 1705 CST ON 03/26/97 BECAUSE LAKE WATER LEVEL HAS DECREASED BELOW 700.75'. THE LAKE LEVEL IS CURRENTLY 700.65' AND DECREASING. OUTFLOW FROM THE LAKE IS GREATER THAN 30,000 GALLONS PER MINUTE AND THERE IS NO RAIN FORECASTED FOR THE NEXT THREE DAYS. LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT. R3DO (ROGER LANKSBURY), NRR EO (MARSH), FEMA (CIBOCH) NOTIFIED.

THE NRC RESIDENT INSPECTOR WAS NOTIFIED OF THE UNUSUAL EVENT TERMINATION BY THE LICENSEE.

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Power Reactor

Event # 31981

|                                      |            |  |   |                 |            |                 |
|--------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: WATTS BAR                      |            | Notification Date / Time: 03/20/1997 10:40 (EST) |   |                 |            |                 |
| Unit: 1                              | Region: 2  | State : TN                                       | Event Date / Time: 03/20/1997 10:34 (EST) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP  |            | Last Modification: 03/20/1997                    |   |                 |            |                 |
| Containment Type: ICE COND           |            |  |   |                 |            |                 |
| NRC Notified by: FRANK PAVLECHKO     |            | Notifications: BRUNO URYC RDO                    |   |                 |            |                 |
| HQ Ops Officer: RUDY KARSCH          |            | AL CHAFFEE EO                                    |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT       |            | CANUPP FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                      |            | BARRETT AEOD                                     |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |            |  |   |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |            |  |   |                 |            |                 |
| Unit                                 | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                    | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT WHEN TOXIC GAS (AMMONIA) WAS DETECTED IN THE TURBINE BUILDING. ACCESS TO THE TURBINE BUILDING HAS BEEN RESTRICTED. A SEARCH FOR THE AMMONIA SOURCE IS UNDERWAY BY PERSONNEL USING SELF CONTAINED BREATHING DEVICES. IT HAS NOT BEEN NECESSARY TO ISOLATE THE CONTROL ROOM ENVIRONMENT. THE LICENSEE THINKS THAT THE SOURCE OF THE TOXIC GAS MAY BE A LEAKING SECONDARY CHEMISTRY PUMP. THE LICENSEE WILL TERMINATE THE EVENT WHEN THE TOXIC GAS IS NO LONGER A THREAT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR'S OFFICE AND STATE GOVERNMENT.

\*\*\* UPDATE AT 1118 EST FROM PAULECHKO TAKEN BY KARSCH \*\*\*

THE LEAK SOURCE HAS BEEN LOCATED AND ISOLATED. THE LEAK IS FROM A VALVE ON AMMONIUM HYDROXIDE TANK, "0TANK14-SST". VENTING THE TURBINE BUILDING IS UNDERWAY. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1233 EST FROM PAULECHKO TAKEN BY MACKINNON \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1227 EST AFTER UNRESTRICTED ACCESS TO THE TURBINE BUILDING WAS RESTORED. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, STATE, AND LOCAL COUNTIES OF THE TERMINATION OF THE UNUSUAL EVENT. R2DO (BRUNO URYC), NRR EO (CHAFFEE), & FEMA (CANUPP) NOTIFIED.

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Power Reactor

Event # 31989

|  |                      |  |            |                 |            |                 |
|--|----------------------|--|------------|-----------------|------------|-----------------|
| Site: WASHINGTON NUCLEAR               |                      | Notification Date / Time: 03/20/1997 21:33 (EST) |            |                 |            |                 |
| Unit: 2                                | Region: 4 State : WA | Event Date / Time: 03/20/1997 17:40 (PST)        |            |                 |            |                 |
| Reactor Type: [2] GE-5                 |                      | Last Modification: 03/21/1997                    |            |                 |            |                 |
| Containment Type: MARK II              |                      |  |            |                 |            |                 |
| NRC Notified by: JOHN SIMS             |                      | Notifications: BLAIR SPITZBERG RDO               |            |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON         |                      | BILL BATEMAN (NRR) EO                            |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |                      | CEGIELSKI FEMA                                   |            |                 |            |                 |
| 10 CFR Section:                        |                      | RICH BARRETT (IRD) AEOD                          |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |                      |  |            |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |                      |  |            |                 |            |                 |
| TECH SPEC LCO A/S                      |                      |  |            |                 |            |                 |
| Unit                                   | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N                    | Yes  | 100        | Power Operation | 72         | Power Operation |

TECHNICAL SPECIFICATION 3.0.3 ENTRY AND PLANT SHUTDOWN AFTER PLANT STAFF CONCLUDED THAT SEVERAL SYSTEMS WERE NOT DEMONSTRATED TO MEET THEIR RESPONSE TIME REQUIREMENTS.

ON MARCH 20, 1997, THE NRC INFORMED THE SUPPLY SYSTEM BY LETTER THAT WNP-2 TECHNICAL SPECIFICATION SURVEILLANCE RESPONSE TIME REQUIREMENTS WERE NOT BEING MET FOR CERTAIN INSTRUMENTATION. IT WAS CONCLUDED BY THE STAFF THAT THE REACTOR PROTECTION SYSTEM, PRIMARY CONTAINMENT ISOLATION SYSTEM, AND EMERGENCY CORE COOLING SYSTEM INSTRUMENT TECHNICAL SPECIFICATION SURVEILLANCES WERE NOT DEMONSTRATED TO MEET RESPONSE TIME REQUIREMENTS.

RESPONSE TIME LIMITS WERE NOT DEMONSTRATED BECAUSE SENSOR RESPONSE WAS NOT INCLUDED IN THE RESPONSE TIME MEASUREMENTS FOR ALL REQUIRED INSTRUMENT FUNCTIONS OR BECAUSE PORTIONS OF THE INSTRUMENTATION WERE ONLY QUALITATIVELY VERIFIED TO RESPOND TO AN INPUT. THIS DETERMINATION WAS MADE FOLLOWING NRC REVIEW OF SUPPLY SYSTEM IMPLEMENTATION OF BWROG LICENSING TOPICAL REPORT NEDO-32291, "SYSTEM ANALYSIS FOR ELIMINATION OF SELECTED RESPONSE TIME TESTING REQUIREMENTS," AND ASSOCIATED 10 CFR 50.59 IMPLEMENTATION.

THE LICENSEE ENTERED TECHNICAL SPECIFICATION 3.0.3 AND COMMENCED A PLANT SHUTDOWN. A TECHNICAL SPECIFICATION REQUIRED PLANT SHUTDOWN AUTOMATICALLY PLACES THE LICENSEE IN AN UNUSUAL EVENT.

THE STAFF'S DETERMINATION OF THE FAILURE TO PERFORM RESPONSE TIME TESTING RESULTED IN A SITUATION WHERE THE FUNCTIONAL CAPABILITY OF THE REACTOR PROTECTION SYSTEM, PRIMARY CONTAINMENT ISOLATION SYSTEM, AND EMERGENCY CORE COOLING SYSTEM CANNOT BE ASSURED TO BE IN COMPLIANCE WITH THE REQUIRED TESTING METHODOLOGY. HOWEVER, THIS CONDITION IS LIMITED TO A PROCESS IMPLEMENTATION PROBLEM, AND THE LICENSEE BELIEVES IT

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Power Reactor

Event # 31989

IS NOT A SAFETY CONCERN. QUALITATIVE TESTING HAS DEMONSTRATED COMPONENT FUNCTIONAL AND RESPONSE CAPABILITIES. A NOTICE OF ENFORCEMENT DISCRETION IS BEING REQUESTED.

THE LICENSEE HAS NOTIFIED STATE AND COUNTY GOVERNMENT OF THE UNUSUAL EVENT. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS EVENT BY THE LICENSEE.

\*\*\* UPDATE AT 0142 EST ON MARCH 21, 1997, FROM SIMS TAKEN BY KARSCH \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2200 PST ON MARCH 20, 1997. THE LICENSEE WAS GRANTED ENFORCEMENT DISCRETION, AND THE PLANT SHUTDOWN WAS TERMINATED. THE LOWEST POWER REACHED WAS 40%. POWER WILL BE INCREASED TO 55%.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND PLANS TO ISSUE A PRESS RELEASE. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (SPITZBERG).

\*\*\*\*\*

Power Reactor

Event # 32032

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: POINT BEACH                   |           | Notification Date / Time: 03/27/1997 14:45 (EST) |   |
| Unit: 1 2                           | Region: 3 | State : WI                                       | Event Date / Time: 03/27/1997 13:20 (CST) |
| Reactor Type: [1] W-2-LP,[2] W-2-LP |           | Last Modification: 03/27/1997                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: M ROSSEAU          |           | Notifications: ROGER LANKSBURY RDO               |   |
| HQ Ops Officer: JOHN MacKINNON      |           | ED GOODWIN EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | RALPH HERSKO FEMA                                |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNDETERMINED AMOUNT OF FUEL OIL SPILLED INTO LAKE MICHIGAN.

PER EPIP 1.2 CATEGORY 13 (CONDITION THAT WARRANTS STATE AND LOCAL OFFICIAL AWARENESS) AN UNUSUAL EVENT WAS DECLARED.

FUEL OIL OVERFLOWED THE HEATING BOILER DAY TANK WHILE IT WAS BEING FILLED. AN UNDETERMINED AMOUNT OF FUEL OIL DRAINED INTO LAKE MICHIGAN. DURING THE FILLING OF THE HEATING BOILER DAY TANK EITHER THE FILL VALVE OR THE LEVEL CONTROL SYSTEM FAILED WHICH CAUSED THE DAY TANK TO OVERFLOW. THE BOILER HEATING DAY TANK OVERFLOWS TO THE ROOF OF THE TURBINE BUILDING WHICH THEN DRAINS THROUGH THE TURBINE BUILDING ROOF DRAINAGE SYSTEM TO A STORM DRAIN WHICH DRAINS TO LAKE MICHIGAN. THE HEATING BOILER DAY TANK IS LOCATED IN THE TURBINE BUILDING. A MAJORITY OF THE SPILLED FUEL OIL HAS BEEN CONTAINED AND NO FIRE WATCHES ARE REQUIRED. BOOMS HAVE BEEN PLACED IN LAKE MICHIGAN TO CONTAIN THE FUEL OIL SPILL.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS THAT FUEL OIL HAD ENTERED LAKE MICHIGAN.

THE NRC RESIDENT INSPECTOR WAS NOTIFIED OF THIS EVENT BY THE LICENSEE.

\*\*\* UPDATE AT 1816 ON 3/27/97 FROM ROSSEAU TAKEN BY BAILEY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1645 CST AFTER THE SPILL (TOTAL OF 20 GALLONS) WAS CLEANED UP BY A HAZMAT TEAM. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NOTIFIED R3DO (LANKSBURY), NRR EO (MARSH), AND FEMA (SWEETSER).

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Power Reactor

Event # 32053

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: CLINTON                       |            | Notification Date / Time: 03/29/1997 11:47 (EST) |   |                 |            |                 |
| Unit: 1                             | Region: 3  | State : IL                                       | Event Date / Time: 03/29/1997 10:15 (CST) |                 |            |                 |
| Reactor Type: [1] GE-6              |            | Last Modification: 03/29/1997                    |   |                 |            |                 |
| Containment Type: MARK III          |            |  |   |                 |            |                 |
| NRC Notified by: BOB POWERS         |            | Notifications: ROGER LANKSBURY RDO               |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE       |            | TAD MARSH, NRR EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | TONY CEGIELSKI FEMA                              |   |                 |            |                 |
| 10 CFR Section:                     |            | FRANK CONGEL IRD                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) ENS INOPERABLE       |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) OTHER ASMT/COMM INOP |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | N          | No   | 0   | Cold Shutdown   | 0          | Cold Shutdown   |

**-ENS & NARS PHONE SYSTEMS INOPERABLE DUE TO CUT FIBER OPTIC CABLE OFFSITE-**

AT 0900 (CST), RAILROAD COMPANY PERSONNEL SEVERED A FIBER OPTIC TELEPHONE CABLE BETWEEN THE PLANT AND THE CITY OF CLINTON. THIS DISABLED MOST OFFSITE TELEPHONE COMMUNICATION, INCLUDING THE FTS-2000 EMERGENCY NOTIFICATION SYSTEM AND ILLINOIS NARS (NUCLEAR ACCIDENT REPORTING SYSTEM).

AT 1015 (CST), AFTER DETERMINING THE SCOPE OF THE PROBLEM, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE SIGNIFICANT LOSS OF COMMUNICATIONS CAPABILITY (PLANT EMERGENCY CLASS #9.1).

THE LICENSEE IS ABLE TO MAKE OUTGOING CALLS VIA THE CENTREX TELEPHONE (MICROWAVE/COMMERCIAL) SYSTEM AND HAS SET UP A SEPARATE TELEPHONE NUMBER FOR INCOMING CALLS. THE LOCAL TELEPHONE COMPANY (GTE) IS REPAIRING THE CABLE.

THE LICENSEE NOTIFIED STATE OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1510 BY BOB POWERS TAKEN BY HOO JOLLIFFE \*\*\*

AT 1335 (CST), AFTER THE SEVERED CABLE WAS REPAIRED AND ALL PLANT TELEPHONE SYSTEMS WERE VERIFIED TO BE OPERABLE, THE LICENSEE TERMINATED THE UNUSUAL EVENT. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND WILL NOTIFY THE NRC RESIDENT INSPECTOR.

THE HOO NOTIFIED R3DO (ROGER LANKSBURY), NRR EO (TAD MARSH), FEMA (AL AUSTIN), AND IRD (FRANK CONGEL).

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Power Reactor

Event # 32059

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PILGRIM                     |           | Notification Date / Time: 04/01/1997 03:59 (EST) |   |
| Unit: 1                           | Region: 1 | State : MA                                       | Event Date / Time: 04/01/1997 03:49 (EST) |
| Reactor Type: [1] GE-3            |           | Last Modification: 04/01/1997                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: M. MANTSENFEL    |           | Notifications: BARKLEY RDO                       |   |
| HQ Ops Officer: BOB STRANSKY      |           | MARSH EO   |   |
| Emergency Class: UNUSUAL EVENT    |           | KNUPP FEMA                                       |   |
| 10 CFR Section:                   |           | BARRETT IRD                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | AXELSON R1                                       |   |
|                                   |           | MIRAGLIA NRR                                     |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED DUE TO LOSS OF ALL OFFSITE POWER.

AT 0257 EST, THE 345KV OFFSITE POWER SUPPLY WAS LOST DUE TO A FAULT OFFSITE. THE LICENSEE HAD PREVIOUSLY STARTED AND LOADED BOTH SAFETY-RELATED EMERGENCY DIESEL GENERATORS AFTER OBSERVING PERTURBATIONS IN THE OFFSITE ELECTRICAL DISTRIBUTION SYSTEM. THE 24KV ALTERNATE OFFSITE POWER WAS LOST AT 0349 EST, AT WHICH TIME THE LICENSEE DECLARED AN UNUSUAL EVENT, DUE TO THE INABILITY TO PROVIDE OFFSITE ELECTRICAL POWER TO THE 'A5' AND 'A6' SAFETY-RELATED ELECTRICAL BUSES.

SHUTDOWN COOLING WAS LOST FOR APPROXIMATELY 10 MINUTES WHEN THE 345KV LINE WAS LOST, BUT HAS BEEN RESTORED [SEE EN 32060]. CURRENT REACTOR VESSEL WATER TEMPERATURE IS 89°F. SPENT FUEL POOL COOLING WAS ALSO LOST AT 0257 EST, AND HAS NOT YET BEEN RESTORED. THE LICENSEE REPORTED THAT THE CURRENT SPENT FUEL POOL TEMPERATURE IS 82°F, AND HAS NOT INCREASED APPRECIABLY. IT IS BEING MONITORED HOURLY. EFFORTS ARE UNDERWAY TO PROVIDE TEMPORARY POWER TO THE SPENT FUEL POOL COOLING PUMPS. THE BLACKOUT DIESEL GENERATOR IS RUNNING, BUT IS NOT LOADED AT THIS TIME.

THE LICENSEE ESTIMATES THAT POWER WILL NOT BE RESTORED FOR ANOTHER 4-5 HOURS. THE NRC RESIDENT INSPECTORS HAVE BEEN INFORMED BY THE LICENSEE.

\*\*\* UPDATE 0410 4/1/97: CONFERENCE CALL REGARDING PILGRIM EVENT \*\*\*

PARTICIPANTS: MARSH (NRR EO), BARRETT (AEOD), BARKLEY (R1DO), AXELSON (R1), CONTE (R1), HEHL (R1), KAUFMAN (R1), LAURA (R1), KORONA (R1), MIRAGLIA (NRR), MOHSENI (RCT). AGENCY WILL ENTER MONITORING PHASE OF NORMAL MODE DUE TO CONTINUED INCLEMENT WEATHER IN THE VICINITY OF THE SITE.

\*\*\* UPDATE 1000 4/1/97: COMMISSIONERS' ASSISTANTS BRIEFING REGARDING PILGRIM EVENT AND RELATED SEABROOK EVENT [SEE EN 32061]. PARTICIPANTS:

Power Reactor

Event # 32059

ROSS, BARRETT, OTHERS (AEOD); CHAFFEE, DENNIG, GOODWIN (NRR); BEECHER (OPA); KEELING (OCA); DEAN, JORDAN (EDO); HILTZ (JACKSON); BEALL (MCGAFFIGAN); SORENSON, FLEISHMAN (ROGERS); LOPEZ-OTIN, RADDATZ (DIAZ); MARKLEY (DICUS); ROGGE, CONTE, HEHL, RULAND, OTHERS (REGION I); KORONA, LAURA (PILGRIM SITE).

\*\*\* UPDATE ON 04/01/97 @ 2245 EST BY PERITO TAKEN BY MACKINNON \*\*\*

BOTH OFFSITE 345 KV POWER LINES HAVE BEEN ENERGIZED. LICENSEE IS PREPARING TO ENERGIZE THE STARTUP TRANSFORMER WITHIN THE NEXT COUPLE OF HOURS. R1DO (BARKLEY) & NRR EO (HANNON) NOTIFIED.

THE NRC RESIDENT INSPECTOR WAS NOTIFIED OF THIS UPDATE BY THE LICENSEE.

\*\*\* UPDATE 2400EST 4/1/97 FROM MIKE PERITO TO S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2345EST ON 4/1/97 AFTER RESTORING ALL SOURCES OF OFFSITE POWER. THE STARTUP TRANSFORMER IS IN THE PROCESS OF BEING RETURNED TO SERVICE AT THIS TIME. THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR.

THE NRC EXITED THE MONITORING PHASE OF NORMAL MODE AT 2400EST. NOTIFIED R1DO(BARKLEY), EO(HANNON), FEMA(CANUPP) AND IRD(RUBIN).

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Power Reactor

Event # 32091

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: TURKEY POINT                  |            |           |            | Notification Date / Time: 04/06/1997 13:59 (EDT) |            |   |
| Unit: 3                             |            | Region: 2 |            | State : FL                                       |            | Event Date / Time: 04/06/1997 13:30 (EDT) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |            |           |            | Last Modification: 04/06/1997                    |            |   |
| Containment Type: DRY AMB           |            |           |            |  |            |   |
| NRC Notified by: SINGER             |            |           |            | Notifications: MILTON SHYMLOCK RDO               |            |   |
| HQ Ops Officer: CHAUNCEY GOULD      |            |           |            | JOHN HANNON EO                                   |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | SWEETSER FEMA                                    |            |   |
| 10 CFR Section:                     |            |           |            | STUART RUBIN, IRD AEOD                           |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| TECH SPEC LCO A/S                   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 3                                   | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby                               |

DECLARATION OF AN UNUSUAL EVENT AND INITIATION OF A PLANT COOLDOWN DUE TO PRESSURE BOUNDARY LEAKAGE FROM A THIMBLE GUIDE TUBE (TECHNICAL SPECIFICATION 3.4.6.2 ACTION STATEMENT REQUIRES THE UNIT TO BE IN COLD SHUTDOWN WITHIN 30 HOURS.)

THE PLANT IS COOLING DOWN TO MODE 5 DUE TO PRESSURE BOUNDARY LEAKAGE DISCOVERED DURING THE OVERPRESSURE TEST AND LEAK INSPECTION FOLLOWING A REFUELING OUTAGE. THE LEAKAGE WAS FROM THIMBLE GUIDE TUBE H-1, AND IT MEASURED 1-2 DROPS PER MINUTE. THE CAUSE OF THE LEAKAGE IS UNKNOWN AT THIS TIME AND IS BEING INVESTIGATED. THE PLANT IS CURRENTLY COOLING DOWN AND IS EXPECTED TO BE IN MODE 5 BEFORE THE 30-HOUR TIME CLOCK EXPIRES.

STATE AND LOCAL AGENCIES WERE NOTIFIED BY THE LICENSEE, AND THE LICENSEE PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2145 ON 04/06/97, FROM REIMERS TO GOULD \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2120 AFTER MODE 5 WAS ENTERED. THE TECHNICAL SPECIFICATION ACTION STATEMENT WAS EXITED AT 2114 WHICH WAS THE TIME THE UNIT ENTERED MODE 5. THE LICENSEE IS STILL INVESTIGATING THE CAUSE OF THE LEAKAGE.

STATE AND LOCAL AGENCIES WERE NOTIFIED BY THE LICENSEE, AND THE LICENSEE PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (SHYMLOCK), NRR EO (HANNON), FEMA (BAGWELL), AND AEOD IRD (RUBIN).

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 32109

|                                     |  |           |  |  |  |   |
|-------------------------------------|--|-----------|--|--|--|---|
| Site: MCGUIRE                       |  |           |  | Notification Date / Time: 04/08/1997 19:20 (EDT) |  |   |
| Unit: 1 2                           |  | Region: 2 |  | State : NC                                       |  | Event Date / Time: 04/08/1997 18:25 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |  |           |  | Last Modification: 04/09/1997                    |  |   |
| Containment Type: ICE COND ICE COND |  |           |  |  |  |   |
| NRC Notified by: SUSLICK            |  |           |  | Notifications: MILTON SHYMLOCK RDO               |  |   |
| HQ Ops Officer: CHAUNCEY GOULD      |  |           |  | JOHN ZWOLINSKI EO                                |  |   |
| Emergency Class: UNUSUAL EVENT      |  |           |  | CALDWELL FEMA                                    |  |   |
| 10 CFR Section:                     |  |           |  | STUART RUBIN IRD                                 |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE REPORTED UNAUTHORIZED ENTRY INTO THE PROTECTED AREA BY TWO TERMINATED VENDOR EMPLOYEES. COMPENSATORY MEASURES TAKEN WITHIN 10 MINS OF DISCOVERY. SEE LOG FOR DETAILS. THE NOUE WAS TERMINATED AT 1925. THE RESIDENT, STATE AND LOCAL AGENCIES WERE NOTIFIED.

HOO NOTE: SEE EVENT #32108.

\*\*\*UPDATE ON 4/9/97 @ 1632 FROM CROSS TO GOULD\*\*\*

THE LICENSEE IS RETRACTING THIS EVENT SINCE THE INDIVIDUALS STATED THAT THEY RETURNED TO THE SERVICE BUILDING LOCKER ROOM, WHICH IS IN THE PROTECTED AREA, TO RETRIEVE PERSONAL ITEMS. THERE WAS NO EVIDENCE TO SUGGEST THAT THE TERMINATED(ONE FOR POOR WORK PERFORMANCE AND THE OTHER VOLUNTARILY QUIT) EMPLOYEES HAD ANY MALICIOUS INTENT TO HARM PLANT EMPLOYEES OR DAMAGE PLANT EQUIPMENT. THE INDIVIDUALS DID NOT ENTER ANY VITAL AREAS OF THE PLANT AND WERE REMOVED WITHIN 9 MINS BY SECURITY. THE RESIDENT WILL BE INFORMED.

THE HOO NOTIFIED R2DO SKINNER AND NRR EO ZWOLINSKI.

\*\*\*\*\*

Power Reactor

Event # 32180

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SAINT LUCIE                      |            | Notification Date / Time: 04/19/1997 02:45 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : FL                                       | Event Date / Time: 04/19/1997 02:15 (EDT) |                 |            |                 |
| Reactor Type: [1] CE,[2] CE            |            | Last Modification: 04/20/1997                    |   |                 |            |                 |
| Containment Type:                      |            |  |   |                 |            |                 |
| NRC Notified by: D WILLIAMS            |            | Notifications: KEN BARR RDO                      |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON         |            | DAVE MATHEWS EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | RISHE FEMA                                       |   |                 |            |                 |
| 10 CFR Section:                        |            | RICH BARRETT IRD                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 1   | Startup         | 1          | Startup         |

REACTOR COOLANT SYSTEM (RCS) PRESSURE BOUNDARY LEAKAGE OF 0.5 GPM IDENTIFIED ON THE "1B2" SAFETY INJECTION HEADER INSIDE CONTAINMENT.

AT APPROXIMATELY 2020 EDT ON 04/18/97, CONTROL ROOM OPERATORS NOTED THAT THE "1B2" SAFETY INJECTION TANK LEVEL INDICATION WAS SLOWLY DECREASING AND THERE WAS A SLIGHT LEAKAGE INCREASE DETECTED ON THE REACTOR CAVITY LEAKAGE RECORDER.

REACTOR POWER WAS REDUCED SO PLANT PERSONNEL COULD ENTER THE CONTAINMENT TO FIND THE REASON FOR THE SAFETY INJECTION TANK "1B2" DECREASING LEVEL. AT 0215 EDT ON 04/19/97, RCS PRESSURE BOUNDARY LEAKAGE WAS POSITIVELY IDENTIFIED AS OCCURRING ON THE "1B2" SAFETY INJECTION HEADER INSIDE CONTAINMENT. THE LEAKAGE WAS ESTIMATED TO BE 0.5 GPM AND WAS VISUALLY IDENTIFIED AS A SOCKET WELD LEAK WHERE A 1" VENT LINE TIES INTO THE 12" SAFETY INJECTION HEADER. THE LEAK IS ISOLATED FROM THE RCS BY THE "1B2" SAFETY INJECTION HEADER CHECK VALVE #V3427, AND IS CONSIDERED TO BE WITHIN THE RCS PRESSURE BOUNDARY LEAKAGE AS DEFINED IN 10CFR50.2(v). RCS INVENTORY BALANCES HAVE VERIFIED THAT THE LEAKAGE IS BORATED WATER FROM THE INJECTION HEADER AND NOT REACTOR COOLANT.

AN UNUSUAL EVENT WAS DECLARED AT 0218 EDT ON 04/19/97 DUE TO RCS PRESSURE BOUNDARY LEAKAGE. TECHNICAL SPECIFICATION 3.4.6.2 REQUIRES UNIT 1 TO BE PLACED IN HOT STANDBY (MODE 3) WITHIN 6 HOURS AND COLD SHUTDOWN (MODE 5) WITHIN THE FOLLOWING 30 HOURS. UNIT 1 IS CURRENTLY IN MODE 2 AND IS EXPECTED TO ENTER MODE 3 WITHIN ONE HOUR AND WILL CONTINUE TO MODE 5 TO AFFECT REPAIRS.

THE LICENSEE NOTIFIED THE STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THIS EVENT.

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Power Reactor

Event # 32180

\*\*\* UPDATE ON 04/20/97 @ 0325 EDT BY WILLIAMS TAKEN BY MACKINNON \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AND THE TECHNICAL SPECIFICATION LCO ACTION STATEMENT WAS EXITED AT 0315 EDT WHEN UNIT 1 ENTERED A COLD SHUTDOWN (MODE 5). THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT. THE HOO NOTIFIED R2DO (KEN BARR), NRR EO (MATHEWS) AND FEMA (RISHE).

THE LICENSEE WILL NOTIFY THE NRC RESIDENT INSPECTOR.

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Power Reactor

Event # 32190

|                                    |            |           |            |  |            |   |
|------------------------------------|------------|-----------|------------|--|------------|---|
| Site: PALO VERDE                   |            |           |            | Notification Date / Time: 04/21/1997 19:33 (EDT) |            |   |
| Unit: 2                            |            | Region: 4 |            | State : AZ                                       |            | Event Date / Time: 04/21/1997 15:57 (MST) |
| Reactor Type: [1] CE,[2] CE,[3] CE |            |           |            | Last Modification: 04/21/1997                    |            |   |
| Containment Type: DRY AMB          |            |           |            |  |            |   |
| NRC Notified by: BIESE             |            |           |            | Notifications: PHIL HARRELL RDO                  |            |   |
| HQ Ops Officer: CHAUNCEY GOULD     |            |           |            | JOHN ZWOLINSKI EO                                |            |   |
| Emergency Class: UNUSUAL EVENT     |            |           |            | STUART RUBIN IRD                                 |            |   |
| 10 CFR Section:                    |            |           |            | HERSK FEMA                                       |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |            |           |            |  |            |   |
| TECH SPEC LCO A/S                  |            |           |            |  |            |   |
| Unit                               | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                  | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

THE PLANT ENTERED AN LCO ACTION STATEMENT DUE TO REACTOR COOLANT LEAKAGE GREATER THAN 10 GPM.

THE LICENSEE NOTICED A HIGH PRESSURE AND HIGH LEVEL IN ONE OF THEIR CONTAINMENT DRAIN TANKS, AND BASED ON THE CHARGING/LETDOWN MISMATCH WHICH WAS GREATER THAN 10 GPM, THE LICENSEE DECLARED AN UNUSUAL EVENT. THE LEAKAGE MEASURED UP TO 18 GPM WITH A CALCULATED RANGE BETWEEN 8 TO 11 GPM. THE LICENSEE SUSPECTS THAT THE LEAKAGE IS COMING FROM THE PRESSURIZER SPRAY VALVE LEAKOFF LINE. THE LICENSEE PLANS TO MAKE A CONTAINMENT ENTRY, ATTEMPT TO ISOLATE THE LEAK AND POSSIBLY MAKE REPAIRS. THE LCO ACTION STATEMENT ALLOWS 4 HOURS TO REDUCE LEAKAGE BELOW 10 GPM OR BE IN HOT STANDBY WITHIN THE FOLLOWING 6 HOURS AND COLD SHUTDOWN WITHIN THE NEXT 30 HOURS.

LICENSEE HAS NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE @ 2200 BY ANDROLUS TO GOULD\*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1846 WHEN THE LICENSEE ISOLATED THE PRESSURIZER MAIN SPRAY VALVE #100F WHICH TERMINATED THE LEAK. THE PROBLEM WAS DUE TO FAILED VALVE PACKING. THE REACTOR IS STILL AT 100% POWER.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. REG 4 RDO(HARRELL), EO(ZWOLINSKI), IRD(RUBIN) & FEMA(HERSK) WERE NOTIFIED

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Power Reactor

Event # 32193

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FT CALHOUN                  |           | Notification Date / Time: 04/21/1997 22:39 (EDT) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 04/21/1997 20:45 (CDT) |
| Reactor Type: [1] CE              |           | Last Modification: 04/22/1997                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: DRAHOTA          |           | Notifications: PHIL HARRELL RDO                  |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | JOHN ZWOLINSKI, NRR EO                           |   |
| Emergency Class: UNUSUAL EVENT    |           | CARR FEMA  |   |
| 10 CFR Section:                   |           | STUART RUBIN IRD                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | BILL JOHNSON REG4                                |   |
|                                   |           | PAT GWYNN REG4                                   |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | M/R        | Yes     | 100        | Power Operation | 0          | Hot Standby     |

UNUSUAL EVENT AND MANUAL REACTOR TRIP DUE TO A MAJOR STEAM LINE BREAK IN THE TURBINE BUILDING (REFER TO EVENT #32198 FOR ADDITIONAL INFORMATION.)

THERE WAS A MAJOR FISH-MOUTH BREAK AT THE ELBOW OF THE 12" MAIN STEAM EXTRACTION LINE TO THE #5 HEATER. AT 2025 CDT, THE REACTOR WAS MANUALLY TRIPPED FROM 100% DUE TO THIS BREAK. ALL CONTROL RODS FULLY INSERTED, EMERGENCY BORATION WAS INITIATED, AND ADEQUATE SHUTDOWN MARGIN WAS VERIFIED. THERE WAS NO INJECTION AND NO RELIEF VALVES LIFTED. THE CONDENSER IS THE HEAT SINK VIA THE STEAM DUMP VALVES. THE PLANT IS STABLE AT THIS TIME AND WILL REMAIN IN MODE 3. ALL FOUR REACTOR COOLANT PUMPS ARE RUNNING, AND ALL SAFETY-RELATED EQUIPMENT IS OPERABLE. THE FIRE PUMPS HAVE BEEN TAKEN TO PULLOUT TO ISOLATE SPRAYS ON TURBINE ELECTRICAL EQUIPMENT. THE PLANT RECEIVED A GROUND ON DC BUS #1 DUE TO STEAM SPRAY. THERE WERE NO PERSONNEL INJURIES AND THE LICENSEE IS CHECKING FOR DAMAGE.

THE NRC RESIDENT INSPECTOR ALONG WITH STATE AND LOCAL AGENCIES WERE INFORMED BY THE LICENSEE.

\*\*\* UPDATE ON 04/22/97, AT 0044 EDT FROM DRAHOTA TAKEN BY MACKINNON \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2345 CDT ON 04/21/97 DUE TO THE PLANT BEING IN A STABLE CONDITION. DURING THE EVENT, THE PLANT HAD INTERMITTENT ELECTRICAL GROUNDS ON VITAL BUS 1B4C BUT THE GROUNDS CLEARED. THE LICENSEE IS IN THE PROCESS OF PLACING THE FIRE SUPPRESSION SYSTEM BACK IN SERVICE.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND PLANS TO NOTIFY STATE AND LOCAL OFFICIALS. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (HARRELL), NRR EO (ZWOLINSKI), AEOD IRD (RUBIN), AND FEMA (BELECHER).

\*\*\*\*\*

Power Reactor

Event # 32197

|  |           |  |   |
|--|-----------|--|---|
| Site: OCONEE   |           | Notification Date / Time: 04/22/1997 16:28 (EDT) |   |
| Unit: 2  | Region: 2 | State : SC                                       | Event Date / Time: 04/22/1997 16:00 (EDT) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |           | Last Modification: 04/22/1997                    |   |
| Containment Type: DRY AMB                            |           |  |   |
| NRC Notified by: REPKO                               |           | Notifications: AL BELISLE RDO                    |   |
| HQ Ops Officer: CHAUNCEY GOULD                       |           | AL CHAFFEE, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT                       |           | CIBOCH FEMA                                      |   |
| 10 CFR Section:                                      |           | STUART RUBIN, AEOD IRD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | Yes     | 100        | Power Operation | 0          | Hot Shutdown    |

UNIT 2 DECLARED AN UNUSUAL EVENT DUE TO A REACTOR COOLANT SYSTEM PRESSURE BOUNDARY LEAK GREATER THAN 10 GPM. (REFER TO EVENT #32194 FOR ADDITIONAL INFORMATION.)

THE LICENSEE HAS CALCULATED A REACTOR COOLANT SYSTEM PRESSURE BOUNDARY LEAK RATE OF GREATER THAN 10 GPM. (THE MAXIMUM CALCULATED VALUE IS 11 GPM.) THE LEAKAGE APPEARS TO BE ASSOCIATED WITH THE HIGH PRESSURE INJECTION CHARGING LINE, BUT THE LICENSEE CANNOT POSITIVELY IDENTIFY THE SOURCE OF THE LEAK DUE TO THE AMOUNT OF STEAM AND SPRAY IN THE AREA. THE LEAK IS, HOWEVER, IN THE PROXIMITY OF A VALVE, BUT ITS SOURCE CANNOT BE IDENTIFIED. THE LICENSEE PERFORMED A CONTROLLED PLANT SHUTDOWN, AND UNIT 2 IS NOW IN THE HOT SHUTDOWN MODE WITH THE MAIN CONDENSER AS THE HEAT SINK. THE LICENSEE PLANS TO REDUCE PRESSURE TO 1000 PSIG BY 04/23/97.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2044 FROM GREWE TO GOULD\*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2032 WHEN TWO CONSECUTIVE REACTOR COOLANT SYSTEM LEAK RATES (8.645 GPM AND 6.93 GPM) WERE MEASURED AT LESS THAN 10 GPM.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (BELISLE), NRR EOs (CHAFFEE AND VARGA), FEMA (CIBOCH), AND AEOD IRD (RUBIN).

\*\*\*\*\*

Power Reactor

Event # 32229

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FT CALHOUN                  |           | Notification Date / Time: 04/26/1997 18:26 (EDT) |   |
| Unit: 1                           | Region: 4 | State : NE                                       | Event Date / Time: 04/26/1997 16:53 (CDT) |
| Reactor Type: [1] CE              |           | Last Modification: 04/26/1997                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: LEES             |           | Notifications: COLLINS RDO                       |   |
| HQ Ops Officer: BOB STRANSKY      |           | VARGA EO   |   |
| Emergency Class: UNUSUAL EVENT    |           | SWITZER FEMA                                     |   |
| 10 CFR Section:                   |           | CONGEL IRD                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO INCREASED STAFF AWARENESS DUE TO A CCW LEAK.

WHILE PERFORMING A PLANT MODIFICATION TO ABANDON A WASTE EVAPORATOR, MAINTENANCE DEPARTMENT PERSONNEL WERE PREPARING TO CAP A COMPONENT COOLING WATER (CCW) SYSTEM PIPE AS PART OF A PLANT MODIFICATION. WHEN THE PIPE WAS CUT, IT BEGAN TO LEAK AT A RATE OF APPROXIMATELY 10 GALLONS PER MINUTE. AT 1635 (CDT), CONTROL ROOM OPERATORS ENTERED PLANT ABNORMAL OPERATING PROCEDURE #AOP-11, "LOSS OF COMPONENT COOLING WATER SYSTEM," DUE TO THE POTENTIAL LOSS OF CCW CAUSED BY THE LEAK. CONTROL ROOM OPERATORS TRIPPED ONE OF THE CCW PUMPS WHICH REDUCED SYSTEM PRESSURE AND THE LEAK RATE TO APPROXIMATELY 2 OUNCES PER MINUTE.

AT 1653 (CDT), CONTROL ROOM OPERATORS DECLARED AND TERMINATED AN UNUSUAL EVENT DUE TO INCREASED PLANT STAFF AWARENESS (EAL 11.6).

AT 1705 (CDT), MAINTENANCE DEPARTMENT PERSONNEL WELDED A CAP ONTO THE END OF THE PIPE TERMINATING THE LEAK.

THE LICENSEE NOTIFIED STATE OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\*\*\*

Power Reactor

Event # 32271

|  |           |  |   |
|--|-----------|--|---|
| Site: OCONEE   |           | Notification Date / Time: 05/03/1997 15:45 (EDT) |   |
| Unit: 3  | Region: 2 | State: SC  | Event Date / Time: 05/03/1997 15:04 (EDT) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |           | Last Modification: 05/06/1997                    |   |
| Containment Type: DRY AMB                            |           |  |   |
| NRC Notified by: NOEL CLARKSON                       |           | Notifications: CHUCK CASTO RDO                   |   |
| HQ Ops Officer: JOHN MacKINNON                       |           | DICK WESSMAN EO                                  |   |
| Emergency Class: UNUSUAL EVENT                       |           | CARR FEMA  |   |
| 10 CFR Section:<br>50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNUSUAL EVENT DECLARED DUE TO TWO OF THREE HIGH PRESSURE INJECTION PUMPS BEING INOPERABLE.

THE LICENSEE SUSPECTS THAT THE LETDOWN STORAGE TANK WATER LEVEL INDICATIONS ARE NOT INDICATING PROPER LEVEL. THE LETDOWN STORAGE TANK SUPPLIES WATER TO THE SUCTION OF THE THREE HIGH PRESSURE INJECTION (HPI) PUMPS.

PRESENT REACTOR COOLANT SYSTEM (RCS) PARAMETERS: TEMPERATURE IS 210°F AND PRESSURE IS 270 PSIG. THE LOW PRESSURE INJECTION PUMPS ARE TAKING SUCTION FROM THE RCS AND DISCHARGING BACK TO THE RCS COLD LEG. THE '3B1' REACTOR COOLANT PUMP (RCP) IS THE ONLY OPERATING RCP. CONDENSATE BOOSTER PUMPS ARE SUPPLYING WATER TO THE ONCE-THROUGH STEAM GENERATORS, AND STEAM IS BEING DUMPED TO THE MAIN CONDENSER.

AT 0930, LOW DISCHARGE PRESSURE WAS INDICATED ON THE '3B' HPI PUMP. THE RCP SEAL INJECTION CONTROL VALVE WAS PLACED IN 'HAND' (i.e., MANUAL). THE STANDBY HPI PUMP ('3A') STARTED AUTOMATICALLY ON LOW RCP SEAL INJECTION FLOW. HPI PUMP DISCHARGE PRESSURE RETURNED TO NORMAL, AND RCP SEAL INJECTION FLOW INDICATED HIGH. THE '3A' HPI PUMP WAS SECURED. RCP SEAL INJECTION WAS ADJUSTED TO A NORMAL VALUE.

HPI HEADER DISCHARGE PRESSURE AGAIN INDICATED LOW. THE '3A' HPI PUMP AUTOMATICALLY STARTED, AND AMPS WERE CYCLING HIGH. THE '3B' HPI PUMP AMPS INDICATED LOW, AND THE '3B' HPI PUMP WAS SECURED. THE '3A' HPI PUMP AMPS CONTINUED TO CYCLE HIGH. THE INDICATED LETDOWN STORAGE TANK LEVEL INCREASED. THE '3A' HPI PUMP AMPS INDICATED LOW, AND THE '3A' HPI PUMP WAS SECURED.

THE LICENSEE SUSPECTS THAT THE LETDOWN STORAGE TANK LEVEL INDICATIONS ARE ERRONEOUS AND IS INVESTIGATING THE CAUSE AND DEVELOPING RECOVERY ACTIONS.

Power Reactor

Event # 32271

THE NRC RESIDENT INSPECTORS ARE ON SITE.

AT 1350, NRC HEADQUARTERS AND REGION 2 ENTERED THE MONITORING PHASE OF NORMAL EMERGENCY RESPONSE MODE. THE NRC RESPONSE COORDINATION TEAM MEMBER NOTIFIED FEMA (BAGWELL), DOE (DUNKIN), EPA (HUDSPETH), USDA (BICKERTON), AND HHS (RABB).

AT 1504, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO TWO OF THREE HPI PUMPS BEING INOPERABLE. THIS SITUATION IS A POTENTIAL DEGRADATION IN THE LEVEL OF SAFETY TO UNIT 3.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1900 ON 05/03/97, BY MacKINNON \*\*\*

AT 1900 ON 05/03/97, A COMMISSIONERS' ASSISTANTS BRIEFING WAS HELD. THE BRIEFER WAS CHUCK CASTO. PARTICIPANTS INCLUDED (\* INDICATES OFFICE DID NOT PARTICIPATE): AEOD (BAILEY, ROSENTHAL, AND QUISSELL), JACKSON (LEE), ROGERS (FLEISHMAN), DICUS (LUBENAU), DIAZ (RADDATZ), McGAFFIGAN (BEALL), EDO (TRACY), DEDO (JORDAN), EAB (CHAFFEE AND GOODWIN), NRR EO (WESSMAN), R2DO (CASTO), PAO (BEECHER), CAO (KEELING), SECY (\*BATES), OSP (\*BANGART), AND OIP (\*HAUBER).

\*\*\* UPDATE AT 1500 ON 05/04/97, BY MacKINNON \*\*\*

AT 1445 ON 05/04/97, NRC HEADQUARTERS AND NRC REGION 2 EXITED THE MONITORING PHASE OF NORMAL EMERGENCY RESPONSE MODE AFTER THE LICENSEE SUCCESSFULLY RAN THE '3C' HPI PUMP TAKING SUCTION FROM THE BORATED WATER STORAGE TANK. THE OPERATIONS OFFICER NOTIFIED THE R2DO (CASTO), IRD (BARRETT), FEMA (RISHE), DOE (DUNKIN), EPA (CHECKAN), USDA (BICKERTON), AND HHS (GRAY).

AT 1500 ON 05/04/97, A COMMISSIONERS' ASSISTANTS BRIEFING WAS HELD. THE BRIEFER WAS CHUCK CASTO. PARTICIPANTS INCLUDED (\* INDICATED OFFICE DID NOT PARTICIPATE): JACKSON (LEE), ROGERS (SORENSEN), DICUS (LUBENAU), DIAZ (RADDATZ), McGAFFIGAN (BEALL), NRR (MIRAGLIA), NRR EO (WESSMAN), EAB (CHAFFEE), PAO (BEECHER), OSP (BANGART), NRR PM (LaBARGE), SRI (SCOTT), REGION 2 (HOLLAND AND CHRISTENSEN), AEOD (\*ROSS AND \*BARRETT), OIP (\*HAUBER), EDO (\*TRACY), DEDO (\*JORDAN), SECY (\*HART), AND CAO (\*COMBS).

\*\*\* UPDATE AT 1952 ON 05/05/97, FROM LEGETTE TAKEN BY STRANSKY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1946 ON 05/05/97. UNIT 3 IS IN MODE 5 (COLD SHUTDOWN), AND THE LOW PRESSURE INJECTION PUMPS ARE CAPABLE OF INJECTING TO THE RCS IF NECESSARY.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR. THE HOO NOTIFIED THE R2DO (CASTO), NRR EO (WESSMAN), AND FEMA (BAGWELL).

\*\*\* UPDATE AT 1856 ON 05/06/97, FROM NIX TAKEN BY STRANSKY \*\*\*

THE FOLLOWING TEXT IS FROM A FACSIMILE SUBMITTED BY THE LICENSEE:

"THIS REPORT PROVIDES SUPPLEMENTARY INFORMATION TO EVENT #32271, REPORTED ON 05/03/97, AT 1545.

Power Reactor

Event # 32271

WHILE SHUTTING OCONEE UNIT 3 DOWN, HPI PUMPS '3A' AND '3B' DID NOT HAVE AN ADEQUATE NET POSITIVE SUCTION HEAD (NPSH). THE INADEQUATE NPSH RESULTED FROM INACCURATE [LETDOWN STORAGE TANK (LDST)] LEVEL INDICATION. THE LDST LEVEL INDICATION CONTAINED A DISCREPANCY OF APPROXIMATELY 54 INCHES BETWEEN THE CONTROL ROOM INDICATOR AND THE LDST LEVEL.

AT 1515 ON 05/05/97, AN ENGINEERING EVALUATION OF THE INACCURATE LDST LEVEL INDICATION DETERMINED THAT THE OCONEE UNIT 3 HPI SYSTEM WOULD NOT HAVE BEEN ABLE TO PERFORM ITS INTENDED SAFETY FUNCTION DURING POWER OPERATING CONDITIONS FROM 02/22/97, UNTIL 05/03/97 (WHEN THE UNIT WAS SHUT DOWN). IN THE EVENT OF A SMALL BREAK [LOSS OF COOLANT ACCIDENT], THE POTENTIAL EXISTED FOR HYDROGEN TO BE DRAWN INTO THE SUCTION OF THE HPI PUMPS AS THE [BORATED WATER STORAGE TANK] VOLUME WAS DEPLETED. ADDITIONAL INFORMATION WILL BE INCLUDED IN THE LICENSEE EVENT REPORT."

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSE. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (CHRISTENSEN).

\*\*\*\*\*

Power Reactor

Event # 32286

|                                |                     |  |   |
|--------------------------------|---------------------|--|---|
| Site: RIVER BEND               |                     | Notification Date / Time: 05/06/1997 21:05 (EDT) |   |
| Unit: 1                        | Region: 4           | State : LA                                       | Event Date / Time: 05/06/1997 16:30 (CDT) |
| Reactor Type: [1] GE-6         |                     | Last Modification: 05/07/1997                    |   |
| Containment Type: MARK III     |                     |  |   |
| NRC Notified by: CARLSON       |                     | Notifications: JOSEPH TAPIA RDO                  |   |
| HQ Ops Officer: BOB STRANSKY   |                     |  |   |
| Emergency Class: UNUSUAL EVENT |                     |  |   |
| 10 CFR Section:                |                     |  |   |
| 50.72(a)(1)(i)                 | EMERGENCY DECLARED  |  |   |
| 50.72(b)(2)(i)                 | DEG/UNANALYZED COND |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNISOLABLE LEAK FOUND ON REACTOR RECIRCULATION SYSTEM.

DURING A DRYWELL ENTRY MADE TO IDENTIFY THE SOURCE OF LEAKAGE INSIDE THE CONTAINMENT, THE LICENSEE DISCOVERED A CRACKED WELD ON A VENT VALVE FOR THE 'B' REACTOR RECIRCULATION FLOW CONTROL VALVE (FCV). THE CRACK IS LOCATED AT THE POINT WHERE THE HIGH POINT VENT VALVE ATTACHES TO A PIECE OF 3/4" PIPING AT THE TOP OF THE FCV. THE LICENSEE CONSIDERS THIS LEAK TO BE UNISOLABLE DUE TO EXCESSIVE LEAKAGE PAST THE 20" DIAMETER ISOLATION VALVES FOR THE 'B' RECIRCULATION LOOP. THE LICENSEE REPORTED THAT TOTAL UNIDENTIFIED DRYWELL LEAKAGE IS CURRENTLY 2 GALLONS PER MINUTE (GPM). THE LICENSEE INTENDS TO REPAIR THE WELD BEFORE UNIT STARTUP.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED.

\*\*\* 1033 EDT MAY 7, 1997, UPDATE FROM DAWSON RECEIVED BY TROCINE \*\*\*

AT 0900 CDT ON MAY 7, 1997, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE PRIMARY SYSTEM LEAK RATE EXCEEDING THE TECHNICAL SPECIFICATION REQUIREMENTS BASED UPON THE VERIFICATION OF REACTOR COOLANT SYSTEM PRESSURE BOUNDARY LEAKAGE. THE TECHNICAL SPECIFICATION LIMIT IS ZERO PRESSURE BOUNDARY LEAKAGE, AND THE CURRENT LEAK RATE IS 0.36 GPM.

THE UNIT IS CURRENTLY IN HOT SHUTDOWN FOLLOWING A REACTOR SCRAM DUE TO UNRELATED EVENTS. (REFER TO EVENT #32282 FOR ADDITIONAL INFORMATION.) AT THIS TIME, REACTOR COOLANT SYSTEM PRESSURE IS 25 PSIG, AND REACTOR COOLANT SYSTEM TEMPERATURE IS 260°F.

THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT WHEN THE UNIT ENTERS COLD SHUTDOWN. THIS IS CURRENTLY EXPECTED TO OCCUR WITHIN THE NEXT FEW HOURS. AT THIS TIME, THE LICENSEE PLANS TO PERFORM A SIX TO SEVEN-DAY FORCED OUTAGE IN ORDER TO

Power Reactor  
REPAIR THE LEAK.

Event # 32286

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (TAPIA), AEOD IRD (CONGEL), NRR EO (GOODWIN), AND FEMA (WRIGHT).

\*\*\* 1450 EDT MAY 7, 1997, UPDATE FROM DAWSON TO GOULD \*\*\*

THE NOTIFICATION OF UNUSUAL EVENT WAS TERMINATED AT 1344 CDT DUE TO THE PLANT ENTERING COLD SHUTDOWN.

THE NRC RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (HARRELL), NRR EO (CHAFFEE), AND FEMA (WRIGHT).

\*\*\*\*\*

Power Reactor

Event # 32410

|  |           |  |   |
|--|-----------|--|---|
| Site: CALVERT CLIFFS                   |           | Notification Date / Time: 05/29/1997 17:00 (EDT) |   |
| Unit: 1                                | Region: 1 | State : MD                                       | Event Date / Time: 05/29/1997 16:46 (EDT) |
| Reactor Type: [1] CE,[2] CE            |           | Last Modification: 05/29/1997                    |   |
| Containment Type: DRY AMB              |           |  |   |
| NRC Notified by: DROWN                 |           | Notifications: LAURIE PELUSO RDO                 |   |
| HQ Ops Officer: CHAUNCEY GOULD         |           | RICHARD WESSMAN, NR EO                           |   |
| Emergency Class: UNUSUAL EVENT         |           | BELCHER FEMA                                     |   |
| 10 CFR Section:                        |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 75         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO UNIT 1 SHUTTING DOWN DUE TO A 6 GPM UNIDENTIFIED REACTOR COOLANT SYSTEM LEAK.

AT 1646 PLANT OPERATORS DECLARED AN UNUSUAL EVENT AND BEGAN SHUTTING UNIT 1 DOWN FROM 100% POWER AT 40% PER HOUR DUE TO A 6 GPM REACTOR COOLANT SYSTEM (RCS) LEAK INSIDE CONTAINMENT.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1835 ON 05/29/97 BY DROWN ENTERED BY GOULD \*\*\*

UNIT 1 IS CURRENTLY AT 3% POWER WITH THE MAIN TURBINE OFF LINE. RCS LEAKAGE IS STILL 6 GPM AND NO ESF ACTUATIONS HAVE OCCURRED.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR.

THE OPERATIONS OFFICER NOTIFIED R1DO LAURIE PELUSO AND NRR EO DICK WESSMAN.

\*\*\* UPDATE AT 1936 ON 05/29/97 BY FRYE ENTERED BY GOULD \*\*\*

UNIT 1 IS STABLE MODE 3 (HOT STANDBY). THE LEAK COMING FROM A SENSING LINE ON A PRESSURIZER PRESSURE TRANSMITTER HAS BEEN ISOLATED.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE OPERATIONS OFFICER NOTIFIED R1DO LAURIE PELUSO AND NRR EO DICK WESSMAN.

\*\*\* UPDATE AT 2008 ON 05/29/97 BY FRYE ENTERED BY GOULD \*\*\*

05/19/2005

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Power Reactor

Event # 32410

AT 2000 PLANT OPERATORS TERMINATED THE UNUSUAL EVENT.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

THE OPERATIONS OFFICER NOTIFIED R1DO LAURIE PELUSO, NRR EO DICK WESSMAN, AND FEMA  
RISHE.

\*\*\*\*\*

Power Reactor

Event # 32420

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: VERMONT YANKEE              |           | Notification Date / Time: 05/31/1997 07:36 (EDT) |   |
| Unit: 1                           | Region: 1 | State : VT                                       | Event Date / Time: 05/31/1997 07:03 (EDT) |
| Reactor Type: [1] GE-4            |           | Last Modification: 05/31/1997                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: RON WARRINER     |           | Notifications: LAURIE PELUSO RDO                 |   |
| HQ Ops Officer: LEIGH TROCINE     |           | RICHARD WESSMAN, NR EO                           |   |
| Emergency Class: UNUSUAL EVENT    |           | STUART RUBIN, IRD AEOD                           |   |
| 10 CFR Section:                   |           | AL AUSTIN FEMA                                   |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | CURTIS COWGILL REG1                              |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARATION DUE TO THE DETECTION OF AN EARTHQUAKE ONSITE

AT 0703 ON MAY 31, 1997, ONSITE EARTHQUAKE DETECTION EQUIPMENT ALARMED INDICATING THAT AN EARTHQUAKE WAS SENSED ONSITE. (THIS EQUIPMENT IS SET TO ALARM AT 0.01 G.) PLANT PROCEDURES REQUIRE THE LICENSEE TO DECLARE AN UNUSUAL EVENT IF AN EARTHQUAKE IS SENSED BY INDIVIDUALS OR BY PLANT DETECTION EQUIPMENT. ACCORDINGLY, AN UNUSUAL EVENT WAS DECLARED AT 0725.

THE LICENSEE IS CURRENTLY IMPLEMENTING PROCEDURE OP-3127, NATURAL PHENOMENA, AND PLANT WALKDOWNS ARE CONTINUING. AT THE TIME OF THIS NOTIFICATION, THERE WERE NO OBVIOUS PROBLEMS.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATES OF VERMONT, NEW HAMPSHIRE, AND MASSACHUSETTS.

\*\*\* 0915 MAY 31, 1997, UPDATE FROM JIM BROOKS RECEIVED BY TROCINE \*\*\*

THE LICENSEE PLANS TO ISSUE A PRESS RELEASE REGARDING THIS EVENT.

PLANT WALKDOWNS HAVE BEEN COMPLETED, AND NO PROBLEMS WERE IDENTIFIED. THE EARTHQUAKE MONITOR INDICATED READINGS OF 0.124 G IN THE NORTH/SOUTH PLANE FOR A DURATION OF 0.0032 G-SECONDS. READINGS IN THE EAST/WEST PLANE AND VERTICAL DIRECTION WERE BOTH 0.001 G.

THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (PELUSO), REGION 1 (COWGILL), AEOD IRD (RUBIN), AND NRR EO (WESSMAN). REGION 1 (COWGILL) STATED THAT HE WOULD NOTIFY REGION 1 PUBLIC AFFAIRS OFFICE (SCRENCI).

05/19/2005

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Power Reactor

Event # 32420

\*\*\* 0952 MAY 31, 1997, UPDATE FROM JIM BROOKS RECEIVED BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0935. THE LICENSEE DETERMINED THAT A SEISMIC EVENT DID NOT ACTUALLY OCCUR. PHYSICALLY, THERE COULD NOT HAVE BEEN A READING IN THE NORTH/SOUTH PLANE OF THAT MAGNITUDE (AND FOR SUCH A SHORT DURATION) WITHOUT HAVING LARGER INDICATIONS IN OTHER PLANES AS WELL.

THE LICENSEE NOTIFIED THE STATES OF VERMONT, NEW HAMPSHIRE, AND MASSACHUSETTS AS WELL AS THE STATE OF VERMONT NUCLEAR ENGINEER (SHERMAN). THE LICENSEE ALSO PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (PELUSO), REGION 1 (COWGILL), AEOD IRD (RUBIN), NRR EO (WESSMAN), AND FEMA (SWEETSER).

NOTE: REFER TO RELATED EVENT #33001.

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Power Reactor

Event # 32490

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: INDIAN POINT                  |           | Notification Date / Time: 06/16/1997 11:04 (EDT) |   |
| Unit: 3                             | Region: 1 | State : NY                                       | Event Date / Time: 06/16/1997 10:45 (EDT) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP |           | Last Modification: 06/18/1997                    |   |
| Containment Type: DRY AMB           |           |  |   |
| NRC Notified by: MESSINA/O'DONNELL  |           | Notifications: RON BELLAMY RDO                   |   |
| HQ Ops Officer: JOHN MacKINNON      |           | BOB DENNIG EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                     |           | Dr BARRETT (MGR) IRD                             |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Refueling       | 0          | Refueling       |

#### LOSS OF OFFSITE POWER FOR 44 MINUTES.

INDIAN POINT UNIT 3 HAS BEEN SHUTDOWN FOR A REFUELING OUTAGE SINCE 05/14/97. PLANT CONDITIONS: 1) OFFSITE POWER BEING SUPPLIED TO THE PLANT LOADS FROM THEIR STATION AUXILIARY TRANSFORMER, 2) EMERGENCY DIESEL GENERATOR 31 WAS OUT OF SERVICE FOR MAINTENANCE (SUPPLIES POWER TO VITAL BUSES 2A & 3A), 3) THE REACTOR CORE WAS BEING COOLED BY RHR COOLING AND THE SPENT FUEL POOL BY THE SPENT FUEL POOL COOLING PUMP, AND 4) 119 FUEL ASSEMBLIES HAD BEEN OFFLOADED FROM THE REACTOR CORE TO THE SPENT FUEL POOL AND 74 FUEL ASSEMBLIES WERE STILL IN THE REACTOR CORE.

ACCORDING TO THE LICENSEE, INDIAN POINT UNIT 2 (CONSOLIDATED EDISON CO) WAS SWITCHING ELECTRICAL LOADS IN THE SWITCHYARD WHEN INDIAN POINT UNIT 2 PERSONNEL APPARENTLY APPLIED A LARGE GROUND BY MISTAKE WHICH CAUSED A LOSS OF OFFSITE POWER TO INDIAN POINT UNIT 3 STATION AUXILIARY TRANSFORMER.

ON THE A LOSS OF OFFSITE POWER EMERGENCY DIESEL 32 AUTOMATICALLY STARTED BUT DID NOT LOAD TO ITS 480 VAC VITAL BUS "6A" BECAUSE IT BLEW A CONTROL POWER FUSE. EMERGENCY DIESEL GENERATOR 33 STARTED AND LOADED ONTO ITS 480 VAC VITAL BUS (5A). VITAL BUS "5A" SUPPLIES POWER TO ONE COMPONENT COOLING WATER PUMP AND ONE SERVICE WATER PUMP. THE SPENT FUEL COOLING WATER PUMP WAS PLACED BACK IN SERVICE AT 1058 EDT AFTER ITS MOTOR CONTROL CENTER WAS RESET AND POWER WAS SUPPLIED TO IT FROM VITAL BUS "5A". SPENT FUEL POOL TEMPERATURE INCREASED FROM 95 TO 96 DEGREES F DURING THE LOSS OF SPENT FUEL POOL COOLING PUMP. THE RESIDUAL HEAT REMOVAL PUMP WAS RESTORED TO SERVICE SHORTLY AFTER 1104 ET. THERE WAS NO NOTICEABLE INCREASE IN THE REACTOR COOLANT SYSTEM TEMPERATURE DURING THIS EVENT.

THE NRC RESIDENT INSPECTOR WAS IN CONTROL ROOM DURING DURING THE LOSS OF OFFSITE POWER.

Power Reactor

Event # 32490

\*\*\* UPDATE 1224 6/16/97 FROM MESSINA TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1211. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R1DO (BELLAMY), EO (DENNIG), FEMA (STINEDURF).

\*\*\* UPDATE 1804 6/18/97 FROM ROKES TAKEN BY STRANSKY \*\*\*

THE LICENSEE WISHES TO CORRECT SOME OF THE INFORMATION PROVIDED IN THE INITIAL REPORT. THE POWER INTERRUPTION OCCURRED WHEN A CONSOLIDATED EDISON EMPLOYEE WORKING AT THE BUCHANAN SUBSTATION (NOT THE IP 2 SWITCHYARD) MISAPPLIED A GROUND ON A 138kV FEEDER, CAUSING A LOSS OF POWER FROM THE SUBSTATION TO THE IP 3 STATION AUXILIARY TRANSFORMER.

ADDITIONALLY, EMERGENCY DIESEL GENERATOR 32 DID START AND LOAD TO EMERGENCY BUS 6A; HOWEVER, LOADS DID NOT SEQUENCE OR AUTOMATICALLY START DUE TO A BLOWN FUSE IN A POTENTIAL TRANSFORMER.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED OF THESE CHANGES BY THE LICENSEE. NOTIFIED R1DO (BELLAMY).

\*\*\*\*\*

05/19/2005

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Power Reactor

Event # 32498

|                                   |  |           |  |  |  |   |
|-----------------------------------|--|-----------|--|--|--|---|
| Site: CRYSTAL RIVER               |  |           |  | Notification Date / Time: 06/17/1997 14:55 (EDT) |  |   |
| Unit: 3                           |  | Region: 2 |  | State : FL                                       |  | Event Date / Time: 06/17/1997 13:55 (EDT) |
| Reactor Type: [3] B&W-L-LP        |  |           |  | Last Modification: 06/17/1997                    |  |   |
| Containment Type: DRY AMB         |  |           |  |  |  |   |
| NRC Notified by: SUTTER           |  |           |  | Notifications: LESSER RDO                        |  |   |
| HQ Ops Officer: BOB STRANSKY      |  |           |  | DENNIG EO  |  |   |
| Emergency Class: UNUSUAL EVENT    |  |           |  | CANUPP FEMA                                      |  |   |
| 10 CFR Section:                   |  |           |  | CONGEL IRD                                       |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |  |           |  |  |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO ELECTRICAL EXPLOSION IN SWITCHYARD

AT 1355, AN UNUSUAL EVENT WAS DECLARED AFTER A BREAKER IN THE 230kV SWITCHYARD DEVELOPED A PHASE-TO-GROUND FAULT AND EXPLODED. THE EXPLOSION CAUSED ALARMS IN THE CONTROL ROOM AND SOME MINOR PERTURBATIONS IN PLANT ELECTRICAL SYSTEMS; HOWEVER, NO CORE COOLING SYSTEMS WERE AFFECTED. ALL SYSTEMS HAVE BEEN RETURNED TO NORMAL STATUS. THE UNUSUAL EVENT WAS TERMINATED AT 1358.

THIS SWITCHYARD IS LOCATED ACROSS THE DISCHARGE CANAL FROM THE UNIT. THE LICENSEE REPORTED THAT NO PERSONNEL WERE INJURED AS A RESULT OF THE EVENT. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

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Power Reactor

Event # 32521

|   |                      |  |            |                 |            |                 |
|---|----------------------|--|------------|-----------------|------------|-----------------|
| Site: THREE MILE ISLAND                 |                      | Notification Date / Time: 06/21/1997 12:53 (EDT) |            |                 |            |                 |
| Unit: 1                                 | Region: 1 State : PA | Event Date / Time: 06/21/1997 12:14 (EDT)        |            |                 |            |                 |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP |                      | Last Modification: 06/21/1997                    |            |                 |            |                 |
| Containment Type: DRY AMB               |                      |  |            |                 |            |                 |
| NRC Notified by: BARRY MINSER           |                      | Notifications: RONALD BELLAMY RDO                |            |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER             |                      | FRANK MIRAGLIA EO                                |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT          |                      | CHUCK DEPUY FEMA                                 |            |                 |            |                 |
| 10 CFR Section:                         |                      | FRANK CONGEL IRD                                 |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |                      |  |            |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION           |                      |  |            |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION           |                      |  |            |                 |            |                 |
| Unit                                    | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                       | A/R                  | Yes  | 100        | Power Operation | 0          | Hot Standby     |

# REACTOR TRIP AND LOSS OF OFFSITE POWER

AT 1214EDT THE UNIT TRIPPED AND LOST OFFSITE POWER. ALL RODS FULLY INSERTED, EMERGENCY FEEDWATER STARTED AND THE EMERGENCY DIESEL GENERATORS STARTED AND LOADED ON TO THEIR RESPECTIVE EMERGENCY BUSES. SINCE FORCED CIRCULATION WAS LOST DURING THIS EVENT, DECAY HEAT IS BEING REMOVED VIA THE ATMOSPHERIC STEAM DUMPS. THE PLANT HAS VERY LOW PRIMARY TO SECONDARY LEAKAGE AND REACTOR COOLANT ACTIVITY WAS MORE THAN AN ORDER OF MAGNITUDE BELOW TECHNICAL SPECIFICATION LIMITS.

AN UNUSUAL EVENT WAS DECLARED AT 1226EDT BASED ON THE LOSS OF OFFSITE POWER.

THE EXACT CAUSE OF THIS EVENT IS NOT KNOWN, BUT IS UNDER INVESTIGATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1700EDT ON 6/21/97 BY WEAVER \*\*\*

A COMMISSIONER ASSISTANTS BRIEFING WAS HELD, CONDUCTED BY PETE ESELGROTH. THE FOLLOWING IS A PARTIAL LIST OF PARTICIPANTS. NRR(CHAFFEE), (ROE), (ZWOLINSKI); SECY (HART); CONGRESSIONAL AFFAIRS (MADDEN); CHAIRMAN JACKSON'S ASST (JOHNSON), (DEFINO); COMMISSIONER ROGERS' ASST (SORENSEN), COMMISSIONER DICUS' ASST (LUBENAU); COMMISSIONER DIAZ' ASST (RADDATZ); COMMISSIONER MCGAFFIGAN'S ASST (GRAY); STATE PROGRAMS (BANGART).

\*\*\* UPDATE AT 2124EDT ON 6/21/97 TAKEN BY WEAVER \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2124EDT. OFFSITE POWER HAS BEEN RESTORED. ALL FOUR REACTOR COOLANT PUMPS ARE OPERATING AND STEAM IS BEING DUMPED

Power Reactor

Event # 32521

TO THE MAIN CONDENSER AS NECESSARY TO REMOVE DECAY HEAT. THE EDGs HAVE BEEN RETURNED TO STANDBY. THE HOO NOTIFIED THE RDO (BELLAMY); EO (HEBDON) AND FEMA (SWITZER).

\*\*\* UPDATE AT 0900EDT ON 6/22/97 TAKEN BY S.SANDIN \*\*\*  
ADDITIONAL INFORMATION:

THE INITIATING EVENT WAS THE FAILURE OF A CERAMIC INSULATOR ON GENERATOR OUTPUT BREAKER "GB1-02." THIS FAILURE CAUSED THE SECOND GENERATOR OUTPUT BREAKER "GB1-12" AND SEVEN OTHER BREAKERS IN THE SUBSTATION TO OPEN ON RELAY AND FAULT LOGIC. AS A RESULT, THE 230KV BUSES SUPPLYING THE STATION AUXILIARY TRANSFORMERS DEENERGIZED. WITH BOTH GENERATOR OUTPUT BREAKERS OPEN THE TURBINE TRIPPED WHICH IN TURN TRIPPED THE REACTOR. WITH THE LOSS OF OFFSITE POWER AT 1214EDT, OPERATORS ENTERED THE APPLICABLE EOP AND ESTABLISHED NATURAL CIRCULATION. BOTH EDGs STARTED ON UNDERVOLTAGE AND CLOSED ONTO THEIR RESPECTIVE 4160VAC BUSES WITHIN THE REQUIRED 10 SECS. THE STATION BLACKOUT DIESEL GENERATOR WAS LATER MANUALLY STARTED AND ALIGNED TO REENERGIZE ONE BALANCE OF PLANT BUS. AT 1337 AND 1347EDT, BOTH STATION AUXILIARY TRANSFORMERS WERE REENERGIZED FROM OFFSITE POWER. OPERATORS RESTARTED ALL FOUR REACTOR COOLANT PUMPS BETWEEN 2115 AND 2122EDT. THE LICENSEE HAS A 1400EDT MEETING TO EVALUATE WHETHER THE UNIT WILL BE RESTARTED BEFORE REPAIRING GENERATOR OUTPUT BREAKER "GB1-02."

THE NRC ENTERED THE MONITORING PHASE OF NORMAL MODE AT APPROXIMATELY 1400EDT. THE MONITORING PHASE WAS EXITED WHEN FORCED CIRCULATION WAS REESTABLISHED AND THE UE TERMINATED AT 2124EDT.

NOTIFIED R1DO(BELLAMY).

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Power Reactor

Event # 32645

|  |           |  |   |
|--|-----------|--|---|
| Site: WATERFORD                                      |           | Notification Date / Time: 07/18/1997 03:39 (EDT) |   |
| Unit: 3  | Region: 4 | State : LA                                       | Event Date / Time: 07/18/1997 02:20 (CDT) |
| Reactor Type: [3] CE                                 |           | Last Modification: 07/18/1997                    |   |
| Containment Type: DRY AMB                            |           |  |   |
| NRC Notified by: GRUBB                               |           | Notifications: JOHN POTTER RDO                   |   |
| HQ Ops Officer: DOUG WEAVER                          |           | STUART RICHARDS, NRR EO                          |   |
| Emergency Class: UNUSUAL EVENT                       |           | CALDWELL FEMA                                    |   |
| 10 CFR Section:                                      |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>COMM ASST BRIEF |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNUSUAL EVENT - HURRICANE WARNING FOR ST. CHARLES PARISH, LOUISIANA.

THE LICENSEE DECLARED AN UNUSUAL EVENT IN ACCORDANCE WITH THEIR EMERGENCY PLAN WHEN A HURRICANE WARNING WAS DECLARED FOR ST. CHARLES PARISH, LA. HURRICANE DANNY IS PRESENTLY APPROXIMATELY 40 MILES SOUTHWEST OF BOOTHVILLE, LA, WITH MAXIMUM SUSTAINED WINDS OF 75 MPH AND IS MOVING VERY SLOWLY TO THE NORTHEAST.

THE LICENSEE IS IN MODE 4 (HOT SHUTDOWN) MAKING PREPARATIONS TO GO TO MODE 5 (COLD SHUTDOWN). THE PLANT HAS BEEN SHUT DOWN SINCE 04/11/97. ALL OFFSITE POWER SOURCES AND ALL EMERGENCY DIESEL GENERATORS ARE AVAILABLE.

THE LICENSEE NOTIFIED THE LOUISIANA OFFICE OF EMERGENCY PREPAREDNESS AND THE EMERGENCY OPERATIONS CENTERS FOR ST. CHARLES AND ST. JOHNS PARISHES.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE @ 1000 ON 07/18/97 BY WEAVER \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS HELD AT 1000 ON 07/18/97 BY REGION 4 BILL JONES AT THE REQUEST OF THE REGIONAL 4 ADMINISTRATOR.

THE FOLLOWING ATTENDED THE BRIEFING: NRR (DENNIG), PA (BEECHER), SP (DROGGITTIS), IP (UPSHAW), SECY (HART), CHAIRMAN JACKSON (DEFINO), COMM DICUS (KOKAJKO), COMM DIAZ (SHAW), COMM McGAFFIGAN (BELL), EDO (HILTZ), RI (KELLER).

\*\*\* UPDATE @ 1743 ON 07/18/97 BY DAVE HERLOCKER ENTERED BY JOLLIFFE \*\*\*

AT 1623 (CDT) ON 07/18/97, THE LICENSEE TERMINATED THE UNUSUAL EVENT DUE

Power Reactor

Event # 32645

TO THE CANCELLATION OF THE HURRICANE WARNING FOR ST. CHARLES PARISH, LA. MAXIMUM SUSTAINED WINDS OBSERVED ONSITE WERE APPROXIMATELY 25 MPH. THE PLANT EXPERIENCED NO DAMAGE. HURRICANE DANNY IS PRESENTLY IN THE GULF OF MEXICO APPROXIMATELY 65 MILES SSW OF MOBILE, AL.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

THE OPERATIONS OFFICER NOTIFIED R4DO ELMO COLLINS, NRR EO STUART RICHARDS, AND FEMA KEN SWEETSER.

\*\*\*\*\*

Power Reactor

Event # 32653

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: CALLAWAY                    |           | Notification Date / Time: 07/19/1997 23:34 (EDT) |   |
| Unit: 1                           | Region: 4 | State : MO                                       | Event Date / Time: 07/19/1997 16:15 (CDT) |
| Reactor Type: [1] W-4-LP          |           | Last Modification: 07/19/1997                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: RON AFFOLTER     |           | Notifications: ELMO COLLINS RDO                  |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | STUART RICHARDS, NRR EO                          |   |
| Emergency Class: UNUSUAL EVENT    |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                   |           | JOSEPH GIITTER IRD                               |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 95         | Power Operation | 95         | Power Operation |

-RETROACTIVE UE DUE TO LOSS OF MOST CONTROL ROOM ANNUNCIATORS >15 MINUTES-

AT 1600 (CDT), THE PLANT EXPERIENCED A LIGHTNING STRIKE THAT CAUSED THE FAILURE OF FOUR COMPUTER CONNECTING CARDS IN THE FIELD POWER SUPPLIES FOR THE CONTROL ROOM ANNUNCIATORS. THESE FOUR FAILED CONNECTING CARDS CAUSED THE VOLTAGE OF THE FOUR FIELD POWER SUPPLIES TO DROP FROM A NORMAL VOLTAGE OF 130 VOLTS TO 25 VOLTS WHICH CAUSED THE LOSS OF APPROXIMATELY 80% OF THE CONTROL ROOM ANNUNCIATORS.

AT 1630 (CDT), TECHNICIANS DEENERGIZED THE FOUR FAILED CARDS WHICH CAUSED THE VOLTAGE OF THE FOUR FIELD POWER SUPPLIES TO RETURN TO 130 VOLTS. APPROXIMATELY 90% OF THE CONTROL ROOM ANNUNCIATORS RETURNED TO NORMAL.

AT 2234 (CDT), THE LICENSEE REPORTED THAT IN ACCORDANCE WITH PLANT EMERGENCY ACTION LEVELS GROUP 4, CALLAWAY SHOULD HAVE BEEN PLACED IN AN UNUSUAL EVENT FROM 1615 TO 1630 (CDT) DUE TO AN UNPLANNED LOSS OF MOST CONTROL ROOM ANNUNCIATORS FOR LONGER THAN 15 MINUTES. THE INDICATOR FOR THIS REPORT IS THREE OF FOUR FIELD POWER SUPPLIES FAILED FOR LONGER THAN 15 MINUTES. ALTHOUGH THE POWER SUPPLIES HAVE NOT FAILED, DURING THE 30 MINUTES FROM 1600 TO 1630 (CDT), THE LICENSEE COULD NOT BE POSITIVE THAT THE MAJORITY OF THE ANNUNCIATORS WERE FUNCTIONAL.

THE LICENSEE IS CURRENTLY REPAIRING THE FAILED CONNECTOR CARDS THAT HAVE APPROXIMATELY 10% OF THE CONTROL ROOM ANNUNCIATORS NOT FUNCTIONAL. THE PLANT EXPERIENCED NO OTHER DAMAGE AND IS STABLE AT 95% POWER.

THE LICENSEE WILL NOTIFY STATE & LOCAL OFFICIALS AND THE RESIDENT INSPECTOR OF THE RETROACTIVE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 32718

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: NINE MILE POINT                  |            | Notification Date / Time: 08/04/1997 07:44 (EDT) |   |                 |            |                 |
| Unit: 2                                | Region: 1  | State : NY                                       | Event Date / Time: 08/04/1997 07:28 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-2,[2] GE-5        |            | Last Modification: 08/04/1997                    |   |                 |            |                 |
| Containment Type: MARK II              |            |  |   |                 |            |                 |
| NRC Notified by: GARY CORBIN           |            | Notifications: CLIFFORD ANDERSON RDO             |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY           |            | ROBERT DENNIG/NRR EO                             |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | BAGWELL FEMA                                     |   |                 |            |                 |
| 10 CFR Section:                        |            | RICHARD BARRETT/AEO IRD                          |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| RCS LEAKAGE                            |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                      | N          | Yes  | 95  | Power Operation | 0          | Hot Shutdown    |

## UNIT SHUTDOWN DUE TO EXCESSIVE UNIDENTIFIED RCS LEAKAGE

AT 0557, OPERATORS DISCOVERED INCREASING DRYWELL PRESSURE AND REACTOR COOLANT SYSTEM (RCS) UNIDENTIFIED LEAKAGE RATE. AT 0615, A NORMAL SHUTDOWN WAS COMMENCED, AND AT 0715, A MANUAL REACTOR SCRAM WAS INITIATED AS PART OF THE SHUTDOWN. ALL CONTROL RODS INSERTED, AND ALL SYSTEMS FUNCTIONED AS EXPECTED. THE LICENSEE DECLARED AN UNUSUAL EVENT AT 0728 WHEN THE LEAKAGE REACHED THE EMERGENCY ACTION LEVEL THRESHOLD OF 10 GPM.

THE LICENSEE REPORTED THAT UNIDENTIFIED LEAKAGE INCREASED TO A PEAK OF APPROXIMATELY 10 GPM, AND IT IS CURRENTLY AT 8 GPM. THE LICENSEE INTENDS TO PROCEED TO COLD SHUTDOWN AND MAKE A DRYWELL ENTRY TO IDENTIFY THE SOURCE OF THE LEAKAGE. THE LICENSEE HAS INFORMED THE STATE OF NEW YORK AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1040 ON 8/4/97, FROM NEWMAN TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1035. THE LICENSEE REPORTED THAT RCS UNIDENTIFIED LEAKAGE IS CURRENTLY 1.2 GPM. BASED UPON CONTAINMENT SAMPLES TAKEN BY THE LICENSEE, THE SOURCE OF THE LEAKAGE APPEARS TO BE THE 'B' RECIRCULATION PUMP SEAL. THE LICENSEE INTENDS TO MAKE A CONTAINMENT ENTRY LATER TODAY. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. THE NRC OPERATIONS CENTER NOTIFIED THE R1DO (ANDERSON), NRR EO (DENNIG), AND FEMA (RISHE).

\*\*\*\*\*

Power Reactor

Event # 32736

|                                |           |  |   |
|--------------------------------|-----------|--|---|
| Site: HADDAM NECK              |           | Notification Date / Time: 08/07/1997 10:53 (EDT) |   |
| Unit: 1                        | Region: 1 | State : CT                                       | Event Date / Time: 08/07/1997 09:47 (EDT) |
| Reactor Type: [1] W-4-LP       |           | Last Modification: 08/07/1997                    |   |
| Containment Type:              |           |  |   |
| NRC Notified by: ROY BROWN     |           | Notifications: RICHARD CONTE RDO                 |   |
| HQ Ops Officer: DICK JOLLIFFE  |           | AL CHAFFEE, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                |           |  |   |
| 50.72(a)(1)(i)                 |           | EMERGENCY DECLARED<br>COMM ASST BRIEF            |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Decommissioned  | 0          | Decommissioned  |

- UE DECLARED DUE TO CONTROL ROOM EVACUATION DUE TO HALON DISCHARGE -

AT 0947, THE HALON SYSTEM IN THE CONTROL ROOM INADVERTENTLY DISCHARGED WHEN A FLASH CAMERA PICTURE OF THE OPEN HALON CONTROL PANEL WAS TAKEN. THE LICENSEE EVACUATED THE CONTROL ROOM AS A PRECAUTION.

AT 1034, THE LICENSEE REMANNED THE CONTROL ROOM.

AT 1045, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE PRECAUTIONARY EVACUATION OF THE CONTROL ROOM. THERE WERE NO INJURIES OR ADVERSE AFFECTS TO PLANT PERSONNEL.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT AND PLANS TO ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 1304 BY PIONTKOWSKI ENTERED BY GOULD \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1235. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. THE NRC OPERATIONS OFFICER NOTIFIED R1DO (RICH CONTE), NRR EO (BOB DENNIG) AND FEMA (STINEDRUF).

\*\*\* AT 1500, A COMMISSIONERS ASSISTANTS BRIEFING WAS HELD \*\*\*

PARTICIPANTS INCLUDED IRD (ROSSI, GLITTER, HASSELBERG), NRR EO (CHAFFEE), NMSS EO (COMBS), PAO (DRICKS), SP (LOHAUS), IP (FAULKNER), CA (CALLAHAN), EDO (SKEEN), SECY (BATES), PD (WEISS), PM (FAIRTILE), CHAIRMAN JACKSON (HUBER), COMMISSION MCGAFFIGAN (JACKSON), COMMISSIONER DIAZ (HSIA) AND COMMISSIONER DICUS (CHAN).

\*\*\*\*\*

Power Reactor

Event # 32783

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: NINE MILE POINT             |            | Notification Date / Time: 08/18/1997 10:41 (EDT) |   |                 |            |                 |
| Unit: 2                           | Region: 1  | State : NY                                       | Event Date / Time: 08/18/1997 09:45 (EDT) |                 |            |                 |
| Reactor Type: [1] GE-2,[2] GE-5   |            | Last Modification: 08/18/1997                    |   |                 |            |                 |
| Containment Type: MARK II         |            |  |   |                 |            |                 |
| NRC Notified by: BRIAN WEAVER     |            | Notifications: BILL RULAND RDO                   |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |            | BOB DENNIG, NRR EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | GREG SMITH, R1 IAT                               |   |                 |            |                 |
| 10 CFR Section:                   |            | TONY CEGIELSKI FEMA                              |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 73.71(b)(1) SAFEGUARDS REPORTS    |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | N          | Yes  | 95  | Power Operation | 95         | Power Operation |

- UE DECLARED AND TERMINATED DUE TO POTENTIAL PLANT SAFETY DEGRADATION -

UNIT 2 LICENSEE SECURITY PERSONNEL DISCOVERED A SUSPICIOUS LOOKING PACKAGE LOCATED BETWEEN THE MAINTENANCE AND OPERATIONS BUILDINGS. AS A PRECAUTION, THE LICENSEE EVACUATED BOTH BUILDINGS PRIOR TO EXAMINING THE PACKAGE. PLANT SECURITY PERSONNEL EXAMINED THE PACKAGE AND DETERMINED THAT IT WAS TRASH THAT HAD BLOWN OUT OF A DUMPSTER.

AT 0945, THE LICENSEE DECLARED AND TERMINATED AN UNUSUAL EVENT DUE TO A POTENTIAL DEGRADATION IN THE LEVEL OF SAFETY OF THE PLANT.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION AND TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 32825

|                                     |                    |  |   |
|-------------------------------------|--------------------|--|---|
| Site: SURRY                         |                    | Notification Date / Time: 08/26/1997 17:10 (EDT) |   |
| Unit: 1 2                           | Region: 2          | State : VA                                       | Event Date / Time: 08/26/1997 16:45 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |                    | Last Modification: 08/26/1997                    |   |
| Containment Type: DRY SUB DRY SUB   |                    |  |   |
| NRC Notified by: RANDALL D. SCHERER |                    | Notifications: PAUL FREDRICKSON RDO              |   |
| HQ Ops Officer: LEIGH TROCINE       |                    | JOSE CALVO, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT      |                    | BOB CALDWELL FEMA                                |   |
| 10 CFR Section:                     |                    | JOHNS JAUDON, REG 2 IAT                          |   |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED | EUGENE MCPEEK, NRR IAT                           |   |
| 73.71(b)(1)                         | SAFEGUARDS REPORTS | JOHN DAVIDSON, NMSS IAT                          |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# DECLARATION OF AN UNUSUAL EVENT DUE TO THE DISCOVERY OF A SUSPECTED SABOTAGE DEVICE IN THE TURBINE BUILDING

THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1645 DUE TO THE SECURITY STAFF IMPLEMENTING ITS CONTINGENCY PLAN FOR A SUSPECTED SABOTAGE DEVICE IN THE TURBINE BUILDING. THE EMERGENCY DECLARATION WAS MADE AS A CONSERVATIVE MEASURE UNTIL THE SITUATION CAN BE PROVED OTHERWISE. (REFER TO THE HOO LOG FOR ADDITIONAL DETAILS.) THE LICENSEE STATED THAT NO SYSTEMS WERE EFFECTED, NO INITIATION SIGNALS WERE REQUIRED TO FUNCTION, AND ALL SYSTEMS WERE IN THEIR NORMAL CONFIGURATION.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES. AT THE TIME OF THIS NOTIFICATION, IT WAS UNKNOWN WHETHER OR NOT A PRESS RELEASE WOULD BE ISSUED. IN ADDITION TO THE NOTIFICATIONS REFERENCED ABOVE, THE NRC OPERATIONS CENTER NOTIFIED THE AEOD IRD (JOSEPH GIITTER). (REFER TO THE HOO LOG FOR A SITE CONTACT TELEPHONE NUMBER.)

\*\*\* 1738 08/26/97 UPDATE FROM SCHERER RECEIVED BY TROCINE \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1733 FOLLOWING CONFIRMATION THAT THE SUSPECTED OBJECT WAS NOT A SABOTAGE DEVICE. (REFER TO THE HOO LOG FOR ADDITIONAL DETAILS.)

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS CENTER NOTIFIED THE REGION 2 IAT (JAUDON), NRR IAT (MCPEEK), NMSS IAT (DAVIDSON), R2DO (FREDRICKSON), NRR EO (CALVO), AEOD IRD (GIITTER), AND FEMA (CALDWELL).

\*\*\*\*\*

Power Reactor

Event # 32890

|   |            |  |            |                 |            |                 |
|---|------------|--|------------|-----------------|------------|-----------------|
| Site: COOK                              |            | Notification Date / Time: 09/08/1997 20:57 (EDT) |            |                 |            |                 |
| Unit: 1 2                               | Region: 3  | Event Date / Time: 09/08/1997 20:00 (EDT)        |            |                 |            |                 |
| State : MI                              |            | Last Modification: 11/12/1997                    |            |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP     |            |  |            |                 |            |                 |
| Containment Type: ICE COND ICE COND     |            |  |            |                 |            |                 |
| NRC Notified by: SAM PARTIN/MARY DePU   |            | Notifications: MARK RING RDO                     |            |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE           |            | CECIL THOMAS, NRR EO                             |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT          |            | SULLIVAN FEMA                                    |            |                 |            |                 |
| 10 CFR Section:                         |            | RICHARD BARRETT IRD                              |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |            |  |            |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS  |            |  |            |                 |            |                 |
| 50.72(b)(1)(ii)(B) OUTSIDE DESIGN BASIS |            |  |            |                 |            |                 |
| TECH SPEC LCO A/S                       |            |  |            |                 |            |                 |
| Unit                                    | Scram Code | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                       | N          | Yes  | 100        | Power Operation | 57         | Power Operation |
| 2                                       | N          | Yes  | 100        | Power Operation | 85         | Power Operation |

- UE DECLARED & TS REQD S/D ON BOTH UNITS DUE TO INOPERABLE CONTAINMENTS -

AS A RESULT OF ISSUES RAISED DURING THE ONGOING ARCHITECT/ENGINEER DESIGN INSPECTION, THE LICENSEE WAS REVIEWING THE DESIGN ASPECTS OF THE CONTAINMENTS (BOTH UNITS HAVE SIMILAR CONTAINMENTS). AFTER CONSULTING WITH THE NUCLEAR STEAM SUPPLY SYSTEM SUPPLIER (WESTINGHOUSE) THE LICENSEE DETERMINED THAT CONCERNS EXISTED ABOUT WHETHER ADEQUATE COMMUNICATION (FLOW PATHS) EXISTS BETWEEN THE ACTIVE AND INACTIVE PORTIONS OF THE CONTAINMENT SUMP.

DURING CERTAIN SCENARIOS, THE VOLUME OF WATER FLOW BACK TO THE CONTAINMENT RECIRCULATION SUMP MAY NOT BE ADEQUATE TO SUPPORT LONG-TERM EMERGENCY CORE COOLING (ECC) SYSTEMS (RHR SYSTEM, SAFETY INJECTION SYSTEM, CHARGING SYSTEM) OR CONTAINMENT SPRAY PUMP OPERATION DURING THE RECIRCULATION PHASE OF A LARGE OR SMALL BREAK LOCA. THE CONTAINMENT DRAINAGE SYSTEM IS DESIGNED TO ENSURE THAT WATER ENTERING THE CONTAINMENT FROM THE BREACH IN THE REACTOR COOLANT SYSTEM, ECC SYSTEMS INJECTION, AND ICE CONDENSER MELT FLOWS BACK INTO THE CONTAINMENT RECIRCULATION SUMP VIA DRAINS. LICENSEE ANALYSIS WAS UNABLE TO CONFIRM THAT SUFFICIENT COMMUNICATION EXISTED BETWEEN INACTIVE AND ACTIVE VOLUMES OF THE CONTAINMENT TO ENSURE ADEQUATE DRAINAGE TO THE RECIRCULATION SUMP. WITHOUT ADEQUATE DRAINAGE INTO THE SUMP, A LOW SUMP LEVEL WILL RESULT, WHICH JEOPARDIZES LONG TERM OPERATION OF THE ECC SYSTEMS AND CONTAINMENT SPRAY PUMPS DUE TO VORTEXING AND AIR ENTRAINMENT.

AS A CONSERVATIVE MEASURE BECAUSE OF THESE CONCERNS, THE LICENSEE DECLARED BOTH TRAINS OF THE ECC SYSTEMS AND THE CONTAINMENT SPRAY SYSTEM INOPERABLE FOR BOTH UNITS AND ENTERED TECH SPEC LCO A/S 3.0.3 TO SHUT DOWN BOTH UNITS. THE LICENSEE COMMENCED SHUTTING UNIT 1 DOWN FROM 100% POWER AT 1655 AND UNIT 2 DOWN FROM 100% POWER AT 1728.

Power Reactor

Event # 32890

AT 2000, THE LICENSEE DECLARED AN UNUSUAL EVENT ON BOTH UNITS DUE TO THE POTENTIAL LOSS OF CONTAINMENT BARRIER ON BOTH UNITS.

THE LICENSEE PLANS TO PERFORM FURTHER ANALYSIS TO DETERMINE THE EXTENT OF THE EXISTING COMMUNICATION BETWEEN THE PORTIONS OF THE SUMPS AND WHETHER PLANT MODIFICATIONS WILL BE NECESSARY.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\*UPDATE @ 0311 EDT ON 09/10/97 BY TILLY TAKEN BY MACKINNON\*\*\*

THE UNUSUAL EVENT WAS TERMINATED AND EXITED AT 0303 EDT WHEN UNIT 1 ENTERED MODE 5 (COLD SHUTDOWN). UNIT 2 ENTERED MODE 5 AT 0015 EDT (COLD SHUTDOWN).

THE R3DO (RING), NRR EO (BATEMAN), AND FEMA (RISHE) WERE NOTIFIED BY THE NRC OPERATIONS CENTER. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS UPDATE BY THE LICENSEE.

\*\*\* UPDATE 0835EST ON 11/12/97 FROM MARK ACKERMAN TO S.SANDIN \*\*\*

THE LICENSEE IS PROVIDING THE FOLLOWING INFORMATION AS AN UPDATE TO THE SAFETY SIGNIFICANCE OF EVENT REPORTS #32806 AND #32890:

"CALCULATIONS HAVE BEEN COMPLETED FOR UNIT 1, CYCLE 16 AND UNIT 2, CYCLE 11 (THE OPERATING CYCLES AT THE TIME OF THE SHUTDOWN) TO ASSESS THE SAFETY SIGNIFICANCE OF THE EMERGENCY CORE COOLING SYSTEM PERFORMANCE DESCRIBED IN THE PREVIOUS REPORTS. THIS ASSESSMENT EVALUATED THE ADEQUACY OF THE WATER LEVEL IN THE CONTAINMENT RECIRCULATION SUMP TO SUPPORT OPERATION OF THE RHR AND CTS PUMPS DURING THE RECIRCULATION PHASE OF A POSTULATED LOSS OF COOLANT ACCIDENT. IN ADDITION, ACCIDENT ANALYSIS CRITERIA REGARDING COLD AND HOT LEG RECRITICALITY AND CONTAINMENT OVERPRESSURIZATION WERE CONSIDERED. THESE CALCULATIONS HAVE CONSIDERED A SPECTRUM OF BREAK SIZES RANGING FROM A .5 INCH DIAMETER BREAK TO A DOUBLE ENDED GUILLOTINE BREAK, THE USABLE WATER VOLUME CONTAINED IN THE REFUELING WATER STORAGE TANK (RWST), THE WATER AVAILABLE FROM ICE THAT MELTS DURING THE PROGRESSION OF THE ACCIDENT, THE DIVERSION OF SPRAY FLOW INTO THE INACTIVE SUMP, THE BREAK FLOW BEING DIRECTED INTO THE ACTIVE SUMP OR THE REACTOR CAVITY, AS APPROPRIATE, AND THE IMPACT OF PENETRATIONS IN THE CRANE WALL AND BIOLOGICAL SHIELD WHICH ALLOW THE SUMP TO COMMUNICATE WITH ADJACENT DEPARTMENTS. THE ESTIMATE OF THE USABLE RWST WATER HAS CONSIDERED ERRORS IN THE INSTRUMENTATION PROVIDING THE INDICATION OF RWST WATER LEVEL, INCLUDING THE ERRORS RESULTING FROM FLOW PAST THE INSTRUMENTATION TAP. THE ICE MASS PRESENT IN THE ICE CONDENSER WAS DETERMINED FROM ICE SURVEILLANCE RECORDS.

"THE LIMITING CASE FOR SUMP INVENTORY HAS BEEN DETERMINED TO BE A BREAK OF A .61 INCH DIAMETER INSTRUMENT LINE INSIDE THE REACTOR CAVITY. BASED ON THE ASSUMPTION THAT THERE IS NO COMMUNICATION BETWEEN THE REACTOR CAVITY AND THE RECIRCULATION SUMP UNTIL WATER SPILLS OVER THE WALL SEPARATING THE TWO REGIONS, THE MINIMUM WATER LEVEL IN THE RECIRCULATION SUMP WOULD HAVE BEEN AT THE 602.2 FOOT LEVEL. FOR THIS BREAK, THE LOCA ANALYSES SHOW THAT THE REQUIRED SUCTION FLOW FROM THE SUMP IS NEVER GREATER THAN 700 GPM, AND THE MINIMUM REQUIRED WATER LEVEL AT THIS FLOW IS WELL BELOW 602.2 FEET. FOR THE OTHER BREAKS CONSIDERED, THE WATER LEVEL EXCEEDS THE MINIMUM REQUIRED LEVEL OF 602 FEET 10 INCHES BASED ON RUNOUT OPERATION OF THE PUMPS.

"THE ANALYSES HAVE DEMONSTRATED THAT FOR ALL BREAK SIZES AND LOCATIONS, THERE WILL BE

Power Reactor

Event # 32890

SUFFICIENT WATER IN THE SUMP TO PREVENT VORTEX FORMATION WHEN THE ECCS AND CTS PUMPS ARE OPERATED IN THE RECIRCULATION MODE. IN ADDITION, THESE ANALYSES FOUND THAT RECRITICALITY AND CONTAINMENT OVERPRESSURIZATION CRITERIA CONTINUED TO BE SATISFIED.

"ANALYSES FOR OTHER CYCLES IS PRESENTLY IN PROGRESS."

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO(LEACH).

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Power Reactor

Event # 33001

|                                      |                      |  |            |                 |            |                 |
|--------------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: VERMONT YANKEE                 |                      | Notification Date / Time: 09/27/1997 21:29 (EDT) |            |                 |            |                 |
| Unit: 1                              | Region: 1 State : VT | Event Date / Time: 09/27/1997 21:08 (EDT)        |            |                 |            |                 |
| Reactor Type: [1] GE-4               |                      | Last Modification: 09/27/1997                    |            |                 |            |                 |
| Containment Type: MARK I             |                      |  |            |                 |            |                 |
| NRC Notified by: EMPEY               |                      | Notifications: TOM MOSLAK RDO                    |            |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY         |                      | ROBERT CAPRA EO                                  |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT       |                      | CALDWELL FEMA                                    |            |                 |            |                 |
| 10 CFR Section:                      |                      | RICHARD BARRETT IRD                              |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |                      |  |            |                 |            |                 |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION |                      |  |            |                 |            |                 |
| Unit                                 | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                    | N                    | Yes  | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO RECEIPT OF A SEISMIC ALARM.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE RECEIPT OF A SEISMIC ALARM. THE LICENSEE'S EMERGENCY PLAN REQUIRES THE DECLARATION OF AN UNUSUAL EVENT DUE TO THE SENSING OF AN ONSITE EARTHQUAKE BY DETECTION DEVICES. THE LICENSEE DOES NOT HAVE ANY OTHER INDICATION OF AN EARTHQUAKE, AND A FALSE ALARM HAD BEEN RECEIVED ON 05/31/97. (REFER TO EVENT #32420.) ELECTRICAL CONTROLS TECHNICIANS HAVE BEEN DISPATCHED TO DETERMINE THE VALIDITY OF THE ALARM. THE LICENSEE HAS INFORMED THE NRC RESIDENT INSPECTOR AND STATE GOVERNMENT AGENCIES.

\*\*\* UPDATE AT 2318 ON 09/27/97 FROM BRIAN CROKE TAKEN BY STRANSKY \*\*\*

AT 2310 ON 09/27/97, THE LICENSEE TERMINATED THE UNUSUAL EVENT AFTER DETERMINING THAT THE SEISMIC ALARM WAS SPURIOUS. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE OPERATIONS OFFICER NOTIFIED THE R1DO TOM MOSLAK AND FEMA CALDWELL.

\*\*\* UPDATE AT 0033 ON 09/28/97 FROM BRIAN CROKE TAKEN BE JOLLIFFE \*\*\*

AT 2334 ON 09/27/97, THE LICENSEE ISSUED A PRESS RELEASE. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE OPERATIONS OFFICER NOTIFIED THE R1DO TOM MOSLAK.

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Power Reactor

Event # 33143

| Site: DIABLO CANYON                 |                    | Notification Date / Time: 10/24/1997 12:01 (EDT) |   |                 |            |                 |
|-------------------------------------|--------------------|--|---|-----------------|------------|-----------------|
| Unit: 2                             | Region: 4          | State : CA                                       | Event Date / Time: 10/24/1997 08:32 (PDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                    | Last Modification: 10/24/1997                    |   |                 |            |                 |
| Containment Type: DRY AMB           |                    |  |   |                 |            |                 |
| NRC Notified by: DAVID PIERCE       |                    | Notifications: DALE POWERS RDO                   |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY        |                    | STU RICHARDS, NRR EO                             |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |                    | RICE FEMA  |   |                 |            |                 |
| 10 CFR Section:                     |                    | JOE GIITTER IRD                                  |   |                 |            |                 |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED |  |   |                 |            |                 |
| 50.72(b)(1)(iv)                     | ECCS INJECTION     |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                     | RPS ACTUATION      |  |   |                 |            |                 |
| 50.72(b)(2)(ii)                     | ESF ACTUATION      |  |   |                 |            |                 |
| Unit                                | Scram Code         | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | A/R                | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

#### UNUSUAL EVENT DECLARED DUE TO AUTO REACTOR TRIP & SAFETY INJECTION TO RCS.

AT 0832 PDT, AN AUTO REACTOR TRIP AND SAFETY INJECTION OCCURRED DUE TO SENSED LOW MAIN STEAM LINE PRESSURE CAUSED BY AN INADVERTENT CLOSURE OF THE #44 MAIN STEAM ISOLATION VALVE (MSIV). FOLLOWING THE TRIP, ALL CONTROL RODS FULLY INSERTED AND ALL SYSTEMS FUNCTIONED AS REQUIRED. ALL THREE AUXILIARY FEEDWATER (AFW) PUMPS AUTOMATICALLY STARTED AND INJECTED INTO THE STEAM GENERATORS. THE SAFETY INJECTION WAS TERMINATED AFTER 16 MINUTES AND NORMAL REACTOR COOLANT SYSTEM (RCS) LETDOWN WAS REESTABLISHED WITHIN THE FOLLOWING 10 MINUTES. UNIT 2 IS STABLE IN MODE 3 (HOT STANDBY).

FOLLOWING THE MSIV CLOSURE, THE ATMOSPHERIC DUMP VALVE FOR THE #4 STEAM GENERATOR OPENED FOR A SHORT TIME. ADDITIONALLY, THE PRESSURIZER POWER OPERATED RELIEF VALVE, #PCV-456, LIFTED NUMEROUS TIMES DUE TO RCS PRESSURE RECOVERY FOLLOWING A LARGE INJECTION OF WATER TO THE STEAM GENERATORS VIA THE AFW SYSTEM. BOTH VALVES HAVE PROPERLY RESEATED.

THE CAUSE OF THE EVENT WAS A CONTRACTOR REMOVING SCAFFOLDING FROM THE VICINITY OF THE #44 MSIV, SOMEHOW CAUSING IT TO CLOSE. THE LICENSEE IS INVESTIGATING THE DETAILS OF THIS EVENT.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1258 ON 10/24/97 FROM PIERCE TAKEN BY STRANSKY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0938 PDT. ALL PRIMARY SYSTEMS FUNCTIONED AS EXPECTED, BUT SEVERAL SMALL LEAKS WERE DETECTED

Power Reactor

Event # 33143

IN SECONDARY SYSTEMS FOLLOWING THE REACTOR TRIP. UNIT 2 IS STABLE IN  
MODE 3 (HOT STANDBY).

THE LICENSEE ISSUED A PRESS RELEASE.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE  
TERMINATION OF THE UNUSUAL EVENT.

THE OPERATIONS OFFICER NOTIFIED R4DO (DALE POWERS), NRR EO (STU RICHARDS), AND FEMA  
(RICE) OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

Power Reactor

Event # 33159

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: PRAIRIE ISLAND                |           | Notification Date / Time: 10/28/1997 10:26 (EST) |   |
| Unit: 1 2                           | Region: 3 | State : MN                                       | Event Date / Time: 10/28/1997 09:05 (CST) |
| Reactor Type: [1] W-2-LP,[2] W-2-LP |           | Last Modification: 10/28/1997                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: TIM BORGEN         |           | Notifications: RONALD GARDNER RDO                |   |
| HQ Ops Officer: DICK JOLLIFFE       |           | STU RICHARDS, NRR EO                             |   |
| Emergency Class: UNUSUAL EVENT      |           | BAGWELL FEMA                                     |   |
| 10 CFR Section:                     |           | RICH BARRETT AEOD                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

**-UNUSUAL EVENT DECLARED DUE TO ONSITE FIRE LASTING LONGER THAN 10 MINUTES-**

AT 0846 CST, A FIRE IGNITED IN THE CUTTING TABLE HOOD IN THE MAINTENANCE SHOP IN THE TURBINE BUILDING. THE ONSITE FIRE BRIGADE AND THE OFFSITE RED WING FIRE DEPARTMENT RESPONDED TO FIGHT THE FIRE.

AT 0905 CST, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN ONSITE FIRE LASTING LONGER THAN 10 MINUTES.

AT 0915 CST, THE FIRE (LASTED FOR 29 MINUTES) WAS EXTINGUISHED USING WATER. THERE WERE NO PERSONNEL INJURIES. THERE WAS NO DAMAGE TO SAFETY RELATED EQUIPMENT AND NO IMPACT ON PLANT OPERATIONS. THE LICENSEE HAS POSTED A REFLASH WATCH. THE LICENSEE IS TAKING AIR SAMPLES TO DETERMINE AIR QUALITY AND IS INVESTIGATING THE CAUSE.

THE LICENSEE NOTIFIED STATE & LOCAL OFFICIALS & THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT AND WILL ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 1108 FROM TIM BERGEN ENTERED BY JOLLIFFE \*\*\*

AT 0950 CST, THE LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO ACCEPTABLE AIR QUALITY AND ADEQUATE HABITABILITY IN THE TURBINE BUILDING.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE OPERATIONS OFFICER NOTIFIED THE R3DO RON GARDNER, NRR EO STU RICHARDS, AND FEMA BAGWELL OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\*\*\*

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 33290

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: CALLAWAY                    |                      | Notification Date / Time: 11/20/1997 12:33 (EST) |  |
| Unit: 1                           | Region: 4 State : MO | Event Date / Time: 11/20/1997 11:10 (CST)        |  |
| Reactor Type: [1] W-4-LP          |                      | Last Modification: 12/04/1997                    |  |
| Containment Type: DRY AMB         |                      |  |  |
| NRC Notified by: B SIMMONS        |                      | Notifications: JOSEPH TAPIA RDO                  |  |
| HQ Ops Officer: FANGIE JONES      |                      | STU RICHARDS EO                                  |  |
| Emergency Class: UNUSUAL EVENT    |                      | DAN RISHE FEMA                                   |  |
| 10 CFR Section:                   |                      | JOHN MADERA RDO                                  |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      | JOE GITTER IRD                                   |  |
| 73.71(b)(1) SAFEGUARDS REPORTS    |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 70         | Power Operation | 70         | Power Operation |

BOMB THREAT OR EXTORTION THREAT

THE PLANT DECLARED AN UNUSUAL EVENT DUE TO THE POSSIBILITY THAT PLANT SAFETY COULD BE IN JEOPARDY. IMMEDIATE COMPENSATORY MEASURES WERE TAKEN. REFER TO THE HOO LOG FOR ADDITIONAL DETAILS.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL AUTHORITIES, AND LOCAL FBI OFFICE. THE LICENSEE ALSO NOTIFIED THE CLINTON POWER STATION AS IT WAS MENTIONED BY THE CALLER.

THE HOO NOTIFIED THE REGION 4 IAT MEMBER (D. CHAMBERLAIN), REGION 3 IAT MEMBER (J. CREED), AND THE NRR IAT MEMBER (R. ROSANO).

\*\*\* UPDATE AT 1850 BY SIMMONS ENTERED BY JONES \*\*\*

THE UNUSUAL EVENT (UE) WAS TERMINATED AT 1740 CST. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT OF THE TERMINATION OF THE UE. ALL INVESTIGATIONS CONFIRMED THAT NO CREDIBLE SECURITY THREAT OR UNUSUAL CONDITION EXISTS AT THE PLANT.

THE NRC OPERATIONS OFFICER NOTIFIED R4DO (JOE TAPIA), NRR EO (WILLIAM BECKNER), AND FEMA (STINEDRUF)

\*\*\* UPDATE 1426 12/4/97 FROM FAULKNER TAKEN BY STRANSKY \*\*\*

THE LICENSEE IS RETRACTING THIS NOTIFICATION. THE INDIVIDUAL WHO MADE THE THREAT WAS APPREHENDED BY THE FBI. THE INDIVIDUAL DID NOT HAVE ANY BOMB MAKING MATERIALS, NOR WAS HE AFFILIATED WITH ANY ORGANIZATIONS. THEREFORE, THE LICENSEE BELIEVES THAT THIS THREAT WAS NONCREDIBLE. THIS EVENT HAS BEEN DOWNGRADED TO A LOGGABLE OCCURRENCE.

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**\*\*\* This Event has been retracted !!!**

**\*\*\* This Event has been retracted !!!**

Power Reactor

Event # 33290

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R4DO (SANBORN).

\*\*\*\*\*

Power Reactor

Event # 33472

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: CATAWBA                       |           | Notification Date / Time: 12/30/1997 20:02 (EST) |   |
| Unit: 1                             | Region: 2 | State : SC                                       | Event Date / Time: 12/30/1997 19:22 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 12/31/1997                    |   |
| Containment Type: ICE COND          |           |  |   |
| NRC Notified by: DAVE PEAL          |           | Notifications: MARK LESSER RDO                   |   |
| HQ Ops Officer: DICK JOLLIFFE       |           | RICHARD WESSMAN, NR EO                           |   |
| Emergency Class: UNUSUAL EVENT      |           | JOSEPH GIITTER IRD                               |   |
| 10 CFR Section:                     |           | DAN RISHE FEMA                                   |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION       |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Standby     | 0          | Hot Standby     |

- UNUSUAL EVENT DUE TO UNIDENTIFIED RCS LEAK > 10 GPM (ACTUALLY > 40 GPM) -

AT 1922, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN UNIDENTIFIED REACTOR COOLANT SYSTEM (RCS) LEAK GREATER THAN 10 GPM. THE RCS LEAK IS ACTUALLY GREATER THAN 40 GPM. THE LICENSEE EVACUATED THE CONTAINMENT. NO PERSONNEL WERE INJURED. THE LICENSEE IS COOLING THE PLANT DOWN AT 60°F PER HOUR FROM 540°F AND 1800 PSIG (MODE 3 - HOT STANDBY) TO REDUCE THE LEAK. THE LICENSEE HAS STAFFED THEIR TECHNICAL SUPPORT CENTER AND THEIR OPERATIONS SUPPORT CENTER.

THE LICENSEE MANUALLY STARTED A SECOND CENTRIFUGAL CHARGING PUMP TO MAINTAIN PROPER RCS PRESSURIZER LEVEL.

THE LICENSEE NOTIFIED NORTH CAROLINA AND SOUTH CAROLINA STATE AUTHORITIES, LOCAL AUTHORITIES, AND THE NRC RESIDENT INSPECTOR.

THE OPERATIONS OFFICER ALSO NOTIFIED R2 JON JOHNSON, BRUCE MALLETT, AND CHUCK OGLE; SRI DARRELL ROBERTS; NRR SAM COLLINS AND BRUCE BOGER; AND AEOD TIM MARTIN.

\*\* UPDATE AT 2300 ON 12/30/97 BY SRI DARRELL ROBERTS TAKEN BY JOLLIFFE \*\*

RCS LEAK IS PRESENTLY APPROXIMATELY 10 GPM WITH RCS TEMPERATURE AT 465°F AND PRESSURE AT 1695 PSIG. LICENSEE PERSONNEL HAVE ENTERED CONTAINMENT TO LOCATE THE SOURCE OF THE LEAK. THE OPERATIONS OFFICER NOTIFIED R2 JOHN JOHNSON AND CHUCK OGLE; NRR EO DICK WESSMAN; AND IRD JOE GIITTER.

\*\* UPDATE AT 0142 ON 12/31/97 BY SI BALLENGER TAKEN BY FANGIE JONES \*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0115 ON 12/31/97. THE LEAK WAS LOCATED, THE SERIES DRAIN LINE VALVES 1NC13 AND 1NC106 ON RCS LOOP 1C WERE FOUND TO BE NOT

Power Reactor

Event # 33472

FULLY CLOSED. THE VALVES WERE CLOSED AND THE LEAK TERMINATED. THESE VALVES WERE OPERATED DURING THE PRECEDING MAINTENANCE OUTAGE. FURTHER REVIEW/INVESTIGATION, AS WELL AS VERIFICATION OF OTHER VALVE POSITION IS ONGOING.

THE LICENSEE NOTIFIED NORTH CAROLINA AND SOUTH CAROLINA AND LOCAL STATE AUTHORITIES, LOCAL AUTHORITIES, AND THE NRC RESIDENT INSPECTOR.

THE HEADQUARTERS OPERATIONS OFFICER NOTIFIED THE R2DO (MARK LESSER), NRR EO (RICHARD WESSMAN), AND FEMA (BERNICE CARR).

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Power Reactor

Event # 33559

|                                     |            |  |            |                 |            |                 |
|-------------------------------------|------------|--|------------|-----------------|------------|-----------------|
| Site: BYRON                         |            | Notification Date / Time: 01/19/1998 10:36 (EST) |            |                 |            |                 |
| Unit: 1                             | Region: 3  | Event Date / Time: 01/19/1998 09:15 (CST)        |            |                 |            |                 |
| State : IL                          |            | Last Modification: 01/19/1998                    |            |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |  |            |                 |            |                 |
| Containment Type: DRY AMB           |            |  |            |                 |            |                 |
| NRC Notified by: ED LAMKEN          |            | Notifications: GARY SHEAR RDO                    |            |                 |            |                 |
| HQ Ops Officer: FANGIE JONES        |            | CECIL THOMAS EO                                  |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | BERNICE CARR FEMA                                |            |                 |            |                 |
| 10 CFR Section:                     |            | FRANK CONGEL IRD                                 |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |            |                 |            |                 |
| 50.72(b)(2)(v) OFFSITE MEDICAL      |            |  |            |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | N          | No   | 0          | Refueling       | 0          | Refueling       |

A POTENTIALLY CONTAMINATED INDIVIDUAL HAD TO BE TRANSPORTED OFFSITE.

A CONTRACTOR, WORKING IN THE CONTAINMENT, HURT HIS BACK WHILE CLIMBING AND HAD TO BE IMMOBILIZED AND TRANSPORTED OFFSITE TO THE LOCAL HOSPITAL. THE CONTRACTOR WAS POTENTIALLY CONTAMINATED AND WILL BE CHECKED FOR CONTAMINATION AT THE HOSPITAL. THE MEDICAL TRANSPORTATION OF A POTENTIALLY CONTAMINATED PERSON IS THE BASIS FOR THE UNUSUAL EVENT DECLARATION.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR, AS WELL AS STATE AND LOCAL OFFICIALS.

\*\*\* UPDATE AT 1132 EST ON 1/19/98 BY ED LAMKEN TAKEN BY FANGIE JONES\*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1015 CST, WHEN THE CONTRACTOR WAS FOUND NOT CONTAMINATED, AFTER BEING TRANSPORTED TO THE ROCKFORD MEMORIAL HOSPITAL FOR TREATMENT. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR AND THE STATE AND LOCAL OFFICIALS. THE OPERATIONS OFFICER NOTIFIED THE R3DO (GARY SHEAR), NRR EO (CECIL THOMAS), IRD (FRANK CONGEL), AND FEMA (BERNICE CARR).

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Power Reactor

Event # 33579

|                                      |                      |  |   |
|--------------------------------------|----------------------|--|---|
| Site: PERRY                          |                      | Notification Date / Time: 01/23/1998 03:36 (EST) |   |
| Unit: 1                              | Region: 3            | State : OH                                       | Event Date / Time: 01/23/1998 03:10 (EST) |
| Reactor Type: [1] GE-6               |                      | Last Modification: 01/23/1998                    |   |
| Containment Type: MARK III           |                      |  |   |
| NRC Notified by: TOM GOODMAN/BOB KID |                      | Notifications: ROGER LANKSBURY, R3 RDO           |   |
| HQ Ops Officer: DICK JOLLIFFE        |                      | PHILLIP MCKEE, NRR EO                            |   |
| Emergency Class: UNUSUAL EVENT       |                      | JOHN SURMEIER, NMSS EO                           |   |
| 10 CFR Section:                      |                      | JOSEPH GIITTER, AEOD IRD                         |   |
| 50.72(a)(1)(i)                       | EMERGENCY DECLARED   | CHUCK BAGWELL FEMA                               |   |
| 50.72(b)(2)(vi)                      | OFFSITE NOTIFICATION | JOE CONNOLLY-DOT/EPA NRC                         |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UE DECLARED DUE TO TRICHLOROETHYLENE SPILL/TOXIC GAS RELEASE FROM PLANT -

AT 0310, THE LICENSEE DECLARED AN UNUSUAL EVENT EMERGENCY DUE TO UP TO 250 GALLONS OF LIQUID TRICHLOROETHYLENE SPILLING FROM THE NON-SAFETY RELATED OFF-GAS BRINE COOLING SYSTEM (PART OF THE PLANT OFF-GAS COOLING SYSTEM) INTO THE OFF-GAS ROOM IN THE OFF-GAS BUILDING. THE 275-GALLON BRINE SYSTEM TANK IS EMPTY, AND THE CONTROL ROOM OPERATORS HAVE STOPPED THE SYSTEM PUMP. PLANT PERSONNEL WEARING SELF CONTAINED BREATHING APPARATUSES ENTERED THE ROOM TO CLOSE THE SYSTEM ISOLATION VALVE BUT WERE UNSUCCESSFUL.

THERE WERE NO PLANT PERSONNEL IN THE BUILDING AT THE TIME OF THE SPILL, AND PLANT PERSONNEL ACCESS TO THE BUILDING HAS BEEN RESTRICTED. THERE WERE NO PLANT PERSONNEL INJURED OR AFFECTED BY THE SPILL.

A PORTION OF THE LIQUID SPILL HAS VAPORIZED, AND THE RESULTANT TOXIC GAS IS BEING RELEASED BY THE OFF-GAS VENTILATION SYSTEM OFFSITE THROUGH THE PLANT STACK TOWARDS LAKE ERIE. THE WIND IS BLOWING FROM THE SOUTHEAST AWAY FROM THE PLANT TOWARDS LAKE ERIE AT APPROXIMATELY 20 MILES PER HOUR. THE OUTSIDE TEMPERATURE IS 35°F. THE MATERIAL INVOLVED IS CLASSIFIED AS NATIONAL FIRE PROTECTION AGENT 2 (MODERATE FLAMMABILITY) AND IS CONSIDERED TO BE MODERATELY TOXIC.

THERE WAS NO DETECTED RADIOLOGICAL RELEASE FROM THE PLANT. PRIOR TO THIS EVENT, THE CONTROL ROOM VENTILATION SYSTEM WAS (AND STILL IS) IN THE RECIRCULATION MODE.

THE LICENSEE NOTIFIED THE DEPARTMENT OF TRANSPORTATION/ENVIRONMENTAL PROTECTION AGENCY (EPA) VIA THE NATIONAL RESPONSE CENTER, THE OHIO STATE EPA, AND LOCAL OFFICIALS. THE LICENSEE ALSO PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR. IN ADDITION TO THE NOTIFICATIONS REFERENCED ABOVE, THE NRC OPERATIONS OFFICER NOTIFIED THE DEPARTMENT

Power Reactor  
OF ENERGY (TOM TANNER), DEPARTMENT OF HEALTH AND HUMAN SERVICES (RON BURGER), AND  
U.S. DEPARTMENT OF AGRICULTURE (RON GRAHAM). Event # 33579

\*\*\* UPDATE AT 1532 ON 01/23/98 FROM RUSS KERNEY RECEIVED BY TROCINE \*\*\*

AT 0737, THE LICENSEE ISOLATED AND DEPRESSURIZED THE OFF-GAS BRINE SYSTEM, AND THIS STOPPED THE LEAK. A LOCAL HAZMAT COMPANY WAS CONTACTED AND IS CURRENTLY ONSITE. THE HAZMAT COMPANY IS CURRENTLY IN THE PROCESS OF COMPLETING THE LATTER STAGES OF THE CLEANUP EFFORT. AT APPROXIMATELY 1500, LIMITED ACCESS WAS RESTORED TO THE AREA IN ORDER TO SUPPORT CLEANUP ACTIVITIES AND REPAIR ACTIVITIES. THE LICENSEE CURRENTLY ANTICIPATES THAT THE OFF-GAS REFRIGERATION SYSTEM WILL BE RETURNED TO SERVICE BY MIDNIGHT TONIGHT.

BECAUSE LIMITED ACCESS HAS BEEN RESTORED TO THE AFFECTED AREA AND BECAUSE LONG-TERM RECOVERY ACTIONS ARE IN PLACE, THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT AT 1600. THE LICENSEE STATED THAT ANOTHER NOTIFICATION WOULD BE MADE IF THIS DID NOT OCCUR.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE AND LOCAL OFFICIALS. THE LICENSEE ALSO PLANS TO NOTIFY THE THREE SURROUNDING COUNTIES. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (LANSKBURY), NRR EO (CHRIS GRIMES), NMSS EO (COMBS), AND AEOD IRD (GIITTER). IN ADDITION, THE FOLLOWING FEDERAL AGENCIES WERE NOTIFIED: FEDERAL EMERGENCY MANAGEMENT AGENCY (CHUCK DEPUY), DEPARTMENT OF ENERGY (WYATT), DEPARTMENT OF AGRICULTURE (CONLEY), DEPARTMENT OF HEALTH AND HUMAN SERVICES (WILSON), AND ENVIRONMENTAL PROTECTION AGENCY AND DEPARTMENT OF TRANSPORTATION VIA THE NATIONAL RESPONSE CENTER (RUTHERFORD).

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 33678

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PERRY                       |            | Notification Date / Time: 02/09/1998 01:32 (EST) |   |                 |            |                 |
| Unit: 1                           | Region: 3  | State : OH                                       | Event Date / Time: 02/09/1998 01:15 (EST) |                 |            |                 |
| Reactor Type: [1] GE-6            |            | Last Modification: 02/26/1998                    |   |                 |            |                 |
| Containment Type: MARK III        |            |  |   |                 |            |                 |
| NRC Notified by: BRIAN BEAUMONT   |            | Notifications: BRENT CLAYTON RDO                 |   |                 |            |                 |
| HQ Ops Officer: JOHN MacKINNON    |            | BOB CAPRA, NRR EO                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | CHUCK DePUY FEMA                                 |   |                 |            |                 |
| 10 CFR Section:                   |            | FRANK CONGEL IRD                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED AND TERMINATED DUE TO A LOSS OF ALL OFFSITE COMMUNICATIONS FOR GREATER THAN 15 MINUTES.

THE LICENSEE WAS NOTIFIED BY THEIR LOCAL TELEPHONE COMPANY, ALLTEL, THAT ALL COMMERCIAL COMMUNICATIONS TO THE PLANT WAS LOST FROM 0022 EST UNTIL 0047 EST (25 MINUTES). A FIBER CUT WAS IN PROGRESS IN AUSTINBURG, AND THE TELEPHONE COMPANY CIRCUITS FAILED TO AUTOMATICALLY TRANSFER TO THE BACKUP CIRCUITS. ALLTEL NOTIFIED THE LICENSEE THAT ALL OFFSITE COMMUNICATIONS TO THE PLANT HAD BEEN LOST FOR 25 MINUTES. THE LICENSEE WAS UNAWARE OF THE LOSS OF ALL OFFSITE COMMUNICATIONS UNTIL ALLTEL INFORMED THEM. THE LICENSEE ENTERED AND EXITED EAL KU2 (SIGNIFICANT DEGRADATION OF OFFSITE COMMUNICATIONS CAPABILITY) AND DECLARED/TERMINATED AN UNUSUAL EVENT AT 0115 EST. THE LICENSEE SAID THAT DURING THE TIME PERIOD THE PHONE LINES WERE DOWN THEY COULD NOT HAVE CALLED THE NRC OPERATION CENTER.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS EVENT BY THE LICENSEE.

\*\*\* UPDATE ON 02/26/98 AT 1412 BY MIKE McFARLAND TAKEN BY MACKINNON \*\*\*

THE LICENSEE IS RETRACTING THIS UNUSUAL EVENT.

SUBSEQUENT INVESTIGATION BY BOTH ALLTEL AND PNPP PERSONNEL IDENTIFIED THAT ALLTEL WAS PERFORMING A SOFTWARE UPGRADE TO THIS SYSTEM. ONLY ONE OF SIX MEANS OF OFFSITE COMMUNICATIONS WAS INOPERABLE, THAT BEING THE LONG DISTANCE CARRIER TO ALLTEL'S PERRY CENTRAL OFFICE.

THE FOLLOWING COMMUNICATIONS CIRCUITS WERE NOT AFFECTED:

\* NRC ENS CIRCUIT

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

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- \* STATE/COUNTY
- \* OFF PREMISE EXCHANGE (OPX) "ANALOG" MICROWAVE SYSTEM
- \* PRIVATE BRANCH EXCHANGE (PBX) ACCESS TO LONG DISTANCE CALLING VIA THE "DIGITAL" MICROWAVE SYSTEM
- \* PBX ACCESS TO ONSITE AND LOCAL CALLING

CONSEQUENTLY, THE EMERGENCY ACTION LEVEL FOR ENTERING AN UNUSUAL EVENT DUE TO A "SIGNIFICANT DEGRADATION OF OFFSITE COMMUNICATIONS CAPABILITY" WAS NOT MET. THE ENS CIRCUIT WAS NOT LOST, NOR WERE OTHER CIRCUITS WHICH RESULTED IN A MAJOR LOSS OF EMERGENCY ASSESSMENT CAPABILITY, OFFSITE RESPONSE CAPABILITY, OR COMMUNICATIONS CAPABILITY. ADDITIONALLY, COMMUNICATIONS WITH THE LOAD DISPATCHER HAD NOT BEEN LOST. ALTHOUGH AN UNUSUAL EVENT WAS DECLARED, THIS ADDITIONAL INVESTIGATION HAS IDENTIFIED THAT ENTERING THE EMERGENCY PLAN HAD NOT BEEN NECESSARY. CONSEQUENTLY, THE NOTIFICATION IN ACCORDANCE WITH 10CFR50.72(a)(i) IS CLARIFIED THAT ALTHOUGH THE UNUSUAL EVENT HAD BEEN DECLARED, THE INVESTIGATION DETERMINED THAT THE CONDITIONS FOR ENTERING THE EMERGENCY PLAN HAD NOT BEEN MET AND NO UNUSUAL EVENT ACTUALLY TOOK PLACE. THUS, THE NOTIFICATION IN ACCORDANCE WITH 10CFR50.72(b)(1)(v) IS RETRACTED.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE OPERATIONS OFFICER NOTIFIED THE R3DO (JEFF WRIGHT).

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Power Reactor

Event # 33679

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: CRYSTAL RIVER               |                      | Notification Date / Time: 02/09/1998 11:33 (EST) |  |
| Unit: 3                           | Region: 2 State : FL | Event Date / Time: 02/09/1998 11:11 (EST)        |  |
| Reactor Type: [3] B&W-L-LP        |                      | Last Modification: 02/09/1998                    |  |
| Containment Type: DRY AMB         |                      |  |  |
| NRC Notified by: R. RAWLS         |                      | Notifications: THOMAS DECKER RDO                 |  |
| HQ Ops Officer: JOHN MacKINNON    |                      | BOB DENNIG, NRR EO                               |  |
| Emergency Class: UNUSUAL EVENT    |                      | AUSTIN FEMA                                      |  |
| 10 CFR Section:                   |                      | RICH BARRETT IRD                                 |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      | BLANCHARD NRC                                    |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 88         | Power Operation | 88         | Power Operation |

UNUSUAL EVENT DECLARED AND TERMINATED DUE TO CHLORINE GAS RELEASE IN THE VICINITY OF SITE.

THE LICENSEE WAS NOTIFIED BY CRYSTAL RIVER UNIT 5 (THE NORTH COAL PLANT) THAT A 150 POUND CHLORINE CYLINDER BEGAN LEAKING AND WAS BLOWN DOWN. THIS EVENT OCCURRED WITHIN THE 0.83 MILE SITE BOUNDARY, BUT DID NOT AFFECT CR-3 OPERATIONS. THE INCIDENT WAS HANDLED BY THE SITE EMERGENCY RESPONSE ORGANIZATION. NO CHLORINE WAS DETECTED WITHIN THE CR-3 PROTECTED AREA. ALL CHLORINE GAS HAS DISSIPATED.

THE LICENSEE DECLARED AND TERMINATED THE UNUSUAL EVENT DUE TO A MAN MADE PHENOMENON NEAR OR WITHIN THE SITE BOUNDARY THAT DID NOT AFFECT CR-3 OPERATIONS. THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AND PLANS TO MAKE A PRESS RELEASE. THE OPERATIONS OFFICER NOTIFIED OTHER FEDERAL AGENCIES VIA FACSIMILE.

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Power Reactor

Event # 33722

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: TURKEY POINT                  |            | Notification Date / Time: 02/16/1998 05:25 (EST) |   |                 |            |                 |
| Unit: 3                             | Region: 2  | State : FL                                       | Event Date / Time: 02/16/1998 04:47 (EST) |                 |            |                 |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |            | Last Modification: 02/19/1998                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: DAVE FREW          |            | Notifications: ROBERT HAAG RDO                   |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE       |            | BRUCE BOGER, NRR EO                              |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | STUART RUBIN, AEOD IRD                           |   |                 |            |                 |
| 10 CFR Section:                     |            | PAUL WRIGHT FEMA                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION       |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 3                                   | M/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

- UNUSUAL EVENT DECLARED DUE TO A STEAM LEAK DOWN STREAM OF THE MSIVs -

CONTROL ROOM OPERATORS MANUALLY TRIPPED THE REACTOR FROM 100% POWER DUE TO THE LOSS OF MEGAWATT LOAD. ALL CONTROL RODS INSERTED COMPLETELY. STEAM IS BEING DUMPED TO THE MAIN CONDENSER. THE AUXILIARY FEEDWATER (AFW) SYSTEM AUTOMATICALLY ACTUATED AS EXPECTED.

AT 0447, CONTROL ROOM OPERATORS DECLARED AN UNUSUAL EVENT DUE TO A STEAM LEAK DOWN STREAM OF THE MAIN STEAM ISOLATION VALVES (MSIV). CONTROL ROOM OPERATORS ARE ATTEMPTING TO LOCATE AND ISOLATE THE LEAK. THE LICENSEE NOTIFIED STATE & LOCAL OFFICIALS & WILL NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 0637 ON 02/16/98 FROM DAVE FREW TAKEN BY JOLLIFFE \*\*\*

CONTROL ROOM OPERATORS SHUT THE MSIVs TO ISOLATE THE STEAM LEAK AND STEAM IS BEING DUMPED TO THE ATMOSPHERE. THE STEAM LEAK IS IN A TRAIN 2 6-INCH AFW SYSTEM COMMON STEAM LINE BETWEEN UNITS 3 AND 4. THE AFW SYSTEM (TRAIN 2) IS INOPERABLE AND IN A 72-HOUR TECH SPEC 3.7.1.2 LCO ACTION STATEMENT FOR UNITS 3 AND 4. THE STANDBY FEEDWATER SYSTEM IS IN OPERATION. THERE WERE NO PERSONNEL INJURIES. UNIT 3 IS STABLE IN MODE 3 (HOT STANDBY), AND UNIT 4 IS STABLE AT 100% POWER.

AT 0620, CONTROL ROOM OPERATORS TERMINATED THE UNUSUAL EVENT. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE OPERATIONS OFFICER NOTIFIED THE R2DO (BOB HAAG), NRR EO (BRUCE BOGER), AEOD IRD (STUART RUBIN) AND FEMA (DAN SULLIVAN) OF THE TERMINATION OF THE UNUSUAL EVENT.

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Event # 33722

\*\*\* UPDATE AT 1545 EST ON 02/19/98 BY C. MOWREY TAKEN BY MACKINNON \*\*\*

THE STEAM LEAK WAS UPSTREAM OF THE MSIV's, ON A TWO-INCH DRAIN LINE LEADING TO A STEAM TRAP. THE DRAIN LINE TAPS OFF OF A FOUR-INCH TRAIN 2 AFW STEAM LINE. THE FOUR-INCH LINE IS COMMON BETWEEN UNITS 3 AND 4. THE CAUSE OF THE LEAK WAS OUTSIDE DIAMETER INITIATED CORROSION. THE ROOT CAUSE OF THE CORROSION APPEARS TO HAVE BEEN RAIN WATER TRAPPED UNDER CALCIUM SILICATE INSULATION, AT AN OPENING IN THE INSULATION NEAR A HANGER. THE HANGER APPEARS TO HAVE AIDED IN THE TRAPPING OF THE WATER. THE PIPE SECTION HAS BEEN REPLACED. OTHER SUSCEPTIBLE PIPING SECTIONS HAVE BEEN INSPECTED, AND REPAIRED AS REQUIRED. UNIT 3 RESTART IS IN PROGRESS. R2DO (OGLE) NOTIFIED.

THE NRC RESIDENT INSPECTOR WAS NOTIFIED OF THIS EVENT BY THE LICENSEE.

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Power Reactor

Event # 33861

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: FARLEY                        |           | Notification Date / Time: 03/08/1998 23:41 (EST) |   |
| Unit: 1 2                           | Region: 2 | State : AL                                       | Event Date / Time: 03/08/1998 22:00 (CST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 03/10/1998                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: VAUDY HOLLY        |           | Notifications: CAUDLE JULIAN RDO                 |   |
| HQ Ops Officer: LEIGH TROCINE       |           | STUART RICHARDS, NRR EO                          |   |
| Emergency Class: UNUSUAL EVENT      |           | FRANK CONGEL, AEOD IRD                           |   |
| 10 CFR Section:                     |           | CHUCK DePUY FEMA                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# DECLARATION OF UNUSUAL EVENT DUE TO FLOODING OF THE CHATTAHOOCHEE RIVER AND INABILITY TO ACCESS THE INTAKE STRUCTURE VIA NORMAL MEANS

THE AREA IS CURRENTLY EXPERIENCING HEAVY RAINS, AND FLOODING IS OCCURRING ON THE CHATTAHOOCHEE RIVER. THE RIVER WATER LEVEL IS CURRENTLY 113.4 FEET AND INCREASING. THE RISING RIVER WATER LEVEL AND HEAVY RAINS HAVE INHIBITED THE LICENSEE'S ABILITY TO ACCESS THE INTAKE STRUCTURE BY AUTOMOBILE. THE LICENSEE STATED THAT BOATS ARE AVAILABLE. BECAUSE NORMAL ACCESS CANNOT BE GAINED TO AN OUT BUILDING, THE LICENSEE DECLARED AN UNUSUAL EVENT AT 2200 CST. THE LICENSEE STATED THAT NORMAL PLANT OPERATIONS ARE NOT AFFECTED.

(NOTE: THE RIVER IS NOT THE ULTIMATE HEAT SINK FOR THIS SITE.)

BOTH HOUSTON COUNTY, ALABAMA, AND EARLY COUNTY, GEORGIA, HAVE CONFIRMED THAT THE ROADS WITHIN THE 10-MILE EMERGENCY PLANNING ZONE HAVE NOT BEEN AFFECTED, AND EVACUATION OF LOCAL PERSONNEL COULD STILL BE PERFORMED IF NECESSARY. THE LICENSEE PLANS TO TERMINATE THE UNUSUAL EVENT WHEN NORMAL ACCESS TO THE INTAKE STRUCTURE IS REGAINED.

THE LICENSEE NOTIFIED THE STATES OF ALABAMA AND GEORGIA AND BOTH HOUSTON AND EARLY COUNTIES. THE LICENSEE ALSO PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1205 ON 03/09/98 FROM BOB VANDERBYE TAKEN BY BAILEY \*\*\*

THE LICENSEE REPORTED THAT THEY WERE ACTUALLY ABLE TO ACCESS THE INTAKE STRUCTURE BY TRUCKS UNTIL 0930 CST ON 03/09/98. HOWEVER, AS OF 0930 CST, THEY ARE ACCESSING THE INTAKE STRUCTURE ONLY BY BOAT. AT 1105 CST, THE RIVER LEVEL WAS 115 FEET, 6 INCHES, AND RISING AT THE RATE OF 1-2 INCHES PER HOUR. AN ESTIMATE OF THE RIVER CRESTING LEVEL AND

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Event # 33861

TIME IS EXPECTED FROM THE ARMY CORPS OF ENGINEERS TODAY. THE FLOOD LEVEL IS 112 FEET. THE DESIGN BASIS LEVEL IS 126 FEET. BOTH COUNTIES CAN STILL EVACUATE PERSONNEL IF NECESSARY.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (CAUDLE JULIAN).

\*\*\* UPDATE AT 1657 ON 03/09/98 FROM BOB VANDERBYE TAKEN BY JOLLIFFE \*\*\*

THE CORPS OF ENGINEERS REPORTED TO THE LICENSEE THAT THE CHATTAHOOCHEE RIVER IS EXPECTED TO CREST BETWEEN 116 FEET, 2 INCHES, AND 116 FEET, 8 INCHES, PRIOR TO 0700 ON 03/10/98.

THE LICENSEE PLANS TO NOTIFY STATE AND COUNTY OFFICIALS AND THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (CAUDLE JULIAN).

\*\*\* UPDATE AT 1746 ON 03/10/98 FROM JOHN TURNER TAKEN BY JOLLIFFE \*\*\*

AT 1640 CST ON 03/10/98, THE LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO IMPROVING WEATHER CONDITIONS.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (MARK LESSER), NRR EO (TAD MARSH), AND FEMA (STIENDURF) OF THE TERMINATION OF THE UNUSUAL EVENT.

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 33901

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BIG ROCK POINT              |           | Notification Date / Time: 03/15/1998 07:00 (EST) |   |
| Unit: 1                           | Region: 3 | State : MI                                       | Event Date / Time: 03/15/1998 06:20 (EST) |
| Reactor Type: [1] GE-1            |           | Last Modification: 06/24/1998                    |   |
| Containment Type:                 |           |  |   |
| NRC Notified by: JOE HORON        |           | Notifications: GARY SHEAR RDO                    |   |
| HQ Ops Officer: STEVE SANDIN      |           | LEDYARD (TAD) MARSH EO                           |   |
| Emergency Class: UNUSUAL EVENT    |           | STUART RUBIN IRD                                 |   |
| 10 CFR Section:                   |           | BERNICE CARR FEMA                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | DOE, DOA, HHS, EPA FAX                           |   |
|                                   |           | DOT (NRC) FAX                                    |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Decommissioned  | 0          | Decommissioned  |

EMERGENCY DECLARED DUE TO RADIOACTIVE LIQUID EFFLUENT RELEASE EXCEEDING 2X MAXIMUM PERMISSIBLE CONCENTRATION (MPC).

AT APPROXIMATELY 0200EST A RADIATION EFFLUENT DETECTOR (SCINTILLATION COUNTER - NaI) MONITORING THE DISCHARGE CANAL SPIKED AND ALARMED HIGH (SETPOINT 650 CPM, NORMAL BACKGROUND 450 CPM). IMMEDIATE GRAB SAMPLES WERE TAKEN WHICH CONFIRMED AT 0220EST THAT THE ALARM WAS VALID. PLANT PERSONNEL RESPONDED BY ISOLATING THE RADWASTE SYSTEM AND REMOVING ONE OF THE TWO OPERATING ENCLOSURE COOLING WATER SYSTEMS FROM SERVICE. ADDITIONAL SAMPLES WERE TAKEN WHICH VERIFIED THAT THE RELEASE WAS TERMINATED IN LESS THAN 1 HOUR. CHEMISTRY DEPARTMENT PERSONNEL PERFORMED A DETAILED ISOTOPIC ANALYSIS AND CALCULATED THAT THE RELEASE INVOLVED TWO ISOTOPES; Co-60 (8.6E-6 $\mu$ Ci/ml) AND Mn-54 (4.86E-6 $\mu$ Ci/ml). THIS ACTIVITY REPRESENTS A COMBINED 3.03 MPC RELEASE; i.e., 2.87 MPC Co-60 (1 MPC=3E-6 $\mu$ Ci/ml) AND 0.16 MPC Mn-54 (1 MPC=3E-5 $\mu$ Ci/ml). AT 0620EST THE LICENSEE DECLARED AND TERMINATED AN UNUSUAL EVENT BASED ON THE EFFLUENT RADIOACTIVE LIQUID RELEASE EXCEEDING 2X MPC. THE LICENSEE IS CONTINUING THEIR INVESTIGATION TO DETERMINE THE SOURCE OF THE RELEASE AND HAS INCREASED THE SAMPLING FREQUENCY OF THE DISCHARGE CANAL FROM DAILY TO EVERY 2 HOURS.

THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 0805EST 3/15/98 FROM HORON TO S.SANDIN \*\*\*

THE LICENSEE COMPLETED SAMPLING AND ANALYSIS OF THE SERVICE WATER INLET AND CONCLUDED THAT THE SOURCE OF THE ACTIVITY WAS FROM SEDIMENTS IN LAKE MICHIGAN CONTAINING RADIOACTIVE MATERIAL FROM PREVIOUS DISCHARGES. THE LICENSEE IS REVIEWING THEIR EMERGENCY PLAN REQUIREMENTS TO DETERMINE AN APPROPRIATE METHOD OF IDENTIFYING CURRENT RADIOACTIVE RELEASES. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO(SHEAR), EO(MARSH) AND IRD(RUBIN).

05/19/2005

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 33901

\*\*\* UPDATE ON 6/23/98 @ 0835 BY BOURASSA TO GOULD \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT DUE TO THE DISCOVERY OF A TERMINOLOGY DISCREPANCY BETWEEN A COMPUTER PRINTOUT AND EMERGENCY PLAN PROCEDURES WHICH CAUSED THE FACILITY TO ENTER AN NOUE. THIS DISCREPANCY HAS BEEN CORRECTED.

THE RESIDENT INSPECTOR WAS NOTIFIED.

THE REG 3 RDO(JORDAN) WAS NOTIFIED.

\*\*\*\*\*

Power Reactor

Event # 34200

|  |            |  |   |                 |            |                 |
|--|------------|--|---|-----------------|------------|-----------------|
| Site: SURRY                            |            | Notification Date / Time: 05/09/1998 23:16 (EDT) |   |                 |            |                 |
| Unit: 1                                | Region: 2  | State : VA                                       | Event Date / Time: 05/09/1998 23:04 (EDT) |                 |            |                 |
| Reactor Type: [1] W-3-LP,[2] W-3-LP    |            | Last Modification: 05/10/1998                    |   |                 |            |                 |
| Containment Type: DRY SUB              |            |  |   |                 |            |                 |
| NRC Notified by: BRADDY/HARTKA         |            | Notifications: PAUL FREDRICKSON RDO              |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY           |            | CECIL THOMAS EO                                  |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT         |            | AUSTIN FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                        |            | STUART RUBIN IRD                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |  |   |                 |            |                 |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |            |  |   |                 |            |                 |
| RCS LEAKAGE                            |            |  |   |                 |            |                 |
| Unit                                   | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                      | N          | Yes  | 100                                       | Power Operation | 50         | Power Operation |

#### TECHNICAL SPECIFICATION REQUIRED SHUTDOWN DUE TO UNISOLABLE RCS LEAKAGE

THE LICENSEE COMMENCED A UNIT SHUTDOWN IN ACCORDANCE WITH TECHNICAL SPECIFICATION 3.1.C.4 AFTER DISCOVERING A 0.25 GPM UNISOLABLE LEAK ON THE SEAL INJECTION LINE TO THE "C" REACTOR COOLANT PUMP. THE UNIT WILL BE TAKEN TO COLD SHUTDOWN. ALL ESF EQUIPMENT IS AVAILABLE, EXCEPT THE #2 EMERGENCY DIESEL GENERATOR WHICH IS OUT OF SERVICE FOR SCHEDULED MAINTENANCE. AN UNUSUAL EVENT WAS DECLARED DUE TO THE TECHNICAL SPECIFICATION REQUIRED SHUTDOWN.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED.

\*\*\* UPDATE 2206 5/10/1998 FROM BRADDY TAKEN BY STRANSKY \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT WHEN THE UNIT REACHED THE COLD SHUTDOWN CONDITION. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED. NOTIFIED R2DO (FREDRICKSON), EO (THOMAS), FEMA (CALDWELL).

HOO NOTE BY TROCINE: THE ORIGINAL REPORT DID NOT INDICATE THE TIME THAT THE UNUSUAL EVENT WAS TERMINATED. ON 05/20/98, THE NRC SENIOR RESIDENT INSPECTOR (RANDALL MUSSER) VERIFIED THAT THE UNUSUAL EVENT WAS TERMINATED AT 2154 ON 05/10/98.

\*\*\*\*\*

Power Reactor

Event # 34267

|                                   |                      |  |            |                 |            |                 |
|-----------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: FT CALHOUN                  |                      | Notification Date / Time: 05/20/1998 16:04 (EDT) |            |                 |            |                 |
| Unit: 1                           | Region: 4 State : NE | Event Date / Time: 05/20/1998 14:31 (CDT)        |            |                 |            |                 |
| Reactor Type: [1] CE              |                      | Last Modification: 05/21/1998                    |            |                 |            |                 |
| Containment Type: DRY AMB         |                      |  |            |                 |            |                 |
| NRC Notified by: DAVE BANNISTER   |                      | Notifications: JOHN PELLET RDO                   |            |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY      |                      | ROBERT GALLO, NRR EO                             |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |                      | JOSEPH GITTER, AEOD IRD                          |            |                 |            |                 |
| 10 CFR Section:                   |                      | WRIGHT FEMA                                      |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |            |                 |            |                 |
| 50.72(b)(1)(vi) INTERNAL THREAT   |                      |  |            |                 |            |                 |
| Unit                              | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N                    | No   | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

# UNUSUAL EVENT DUE TO A TRANSFORMER EXPLOSION AND LOSS OF OFFSITE POWER

AT APPROXIMATELY 1411 CDT, SECURITY REPORTED TO THE CONTROL ROOM THAT A TRANSFORMER EXPLOSION HAD OCCURRED INSIDE THE PROTECTED AREA. THE EXPLOSION CAUSED A LOSS OF THE 161KV OFFSITE SUPPLY SOURCE RESULTING IN A LOSS OF POWER TO VITAL ELECTRICAL BUSES 1A3 AND 1A4. THE EMERGENCY DIESEL GENERATORS (EDG) FOR BOTH BUSES AUTOMATICALLY STARTED AND LOADED RESTORING VITAL POWER. THE TRANSFORMER DELUGE SYSTEM AUTOMATICALLY STARTED DUE TO THE EXPLOSION AND RESULTING FIREBALL. NO INJURIES WERE REPORTED.

SHUTDOWN COOLING WAS INTERRUPTED FOR SEVERAL SECONDS WHILE VITAL POWER TRANSFERRED FROM THE OFFSITE SOURCE TO THE EDGs. THE UNIT HAS BEEN SHUT DOWN SINCE 03/31/98, AND THE LICENSEE ESTIMATE THE TIME TO BOILING IN THE REACTOR VESSEL AT 2 HOURS WITHOUT SHUTDOWN COOLING. NO REACTOR COOLANT SYSTEM HEATUP WAS OBSERVED.

A NOTICE OF UNUSUAL EVENT WAS DECLARED AT 1431 CDT. THE LICENSEE REPORTED THAT THE CRITERION FOR DECLARATION OF AN "ALERT" WAS MET FOR APPROXIMATELY 10-15 SECONDS WHILE THE EDGs WERE STARTING AND LOADING TO THE VITAL BUSES (EAL 4.3 - LOSS OF POWER TO BUSES 1A3/1A4 FOR <15 MINUTES); HOWEVER, NO "ALERT" WAS DECLARED.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

\*\*\* UPDATE AT 1703 ON 05/20/98 FROM BANNISTER TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 1557 CDT. OFFSITE POWER TO VITAL BUSES 1A3 AND 1A4 WAS RESTORED THROUGH THE 345KV MAIN TRANSFORMER. THE LICENSEE REPORTED THAT MARKS ON THE INSULATORS NEAR THE TOP OF THE 161KV TRANSFORMER INDICATE THAT A SMALL ANIMAL MAY HAVE CAUSED A FAULT BETWEEN THE 'B' AND 'C' PHASES OF THE TRANSFORMER. NO DAMAGE

Power Reactor  
WAS OBSERVED ON THE TRANSFORMER.

Event # 34267

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (PELLET), NRR EO (GALLO), AEOD IRD (GIITTER), AND FEMA (WRIGHT).

\*\*\* UPDATE AT 1817 ON 05/21/98 FROM ERICK MATZKE TO FANGIE JONES \*\*\*

THE TRANSFORMER FAILURE AND LOSS OF POWER EVENT WAS NOT THE RESULT OF A TRANSFORMER EXPLOSION OR FIRE. TRANSFORMER T1A-3 HAD AN EXTERNAL FAULT THAT RESULTED IN THE INPUT AND OUTPUT BREAKERS TO THE TRANSFORMER OPENING. FURTHER INVESTIGATION INDICATES THAT THERE WAS A PHASE 'B' TO GROUND FAULT AT THE TRANSFORMER BUSHING FOLLOWED BY A PHASE 'B' TO 'C' FAULT AT THE BUSHINGS. THE FAULTS CLEARED IN LESS THAN FOUR TENTHS OF A SECOND. WHILE THE TRANSFORMER DELUGE SYSTEM WAS FOUND IN OPERATION DURING THIS EVENT, THE ROOT CAUSE OF THE TRANSFORMER FAULTS IS STILL BEING INVESTIGATED.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS CENTER NOTIFIED THE R4DO (JOHN PELLET).

\*\*\*\*\*

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 34268

|  |           |  |   |
|--|-----------|--|---|
| Site: SURRY                            |           | Notification Date / Time: 05/20/1998 16:42 (EDT) |   |
| Unit: 1                                | Region: 2 | State : VA                                       | Event Date / Time: 05/20/1998 16:24 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP    |           | Last Modification: 06/11/1998                    |   |
| Containment Type: DRY SUB              |           |  |   |
| NRC Notified by: JOHN MOSCOE           |           | Notifications: MILTON SHYMLOCK RDO               |   |
| HQ Ops Officer: BOB STRANSKY           |           | ROBERT GALLO, NRR EO                             |   |
| Emergency Class: UNUSUAL EVENT         |           | JOSEPH GIITTER, AEOD IRD                         |   |
| 10 CFR Section:                        |           | WRIGHT FEMA                                      |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |           |  |   |
| 50.72(b)(1)(i)(A) PLANT S/D REQD BY TS |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

UNUSUAL EVENT - TECHNICAL SPECIFICATION REQUIRED COOLDOWN DUE TO UNISOLABLE REACTOR COOLANT SYSTEM LEAK

THE LICENSEE DISCOVERED A 0.28-GPM THROUGH-WALL LEAK FROM THE BONNET OF VALVE 1-RC-6 (ISOLATION VALVE FOR THE 2" LOOP-'A' RELIEF LINE). THE LEAK CANNOT BE ISOLATED. THE UNIT ENTERED TECHNICAL SPECIFICATION LIMITING CONDITION FOR OPERATION 3.1.C.4, WHICH REQUIRES THAT THE UNIT BE PLACED IN COLD SHUTDOWN WITHIN 30 HOURS. AN UNUSUAL EVENT WAS DECLARED DUE TO THE SHUTDOWN REQUIRED BY PLANT TECHNICAL SPECIFICATIONS (EMERGENCY ACTION LEVEL B.3).

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

\*\*\* UPDATE AT 1705 ON 05/20/98 FROM GOODHOPE TAKEN BY STRANSKY \*\*\*

THE LICENSEE REPORTED THIS EVENT AGAIN AS A 1-HOUR REPORT IN ACCORDANCE WITH 10 CFR 50.72(b)(1)(i)(A) DUE TO A TECHNICAL SPECIFICATION REQUIRED SHUTDOWN.

THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE. THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (SHYMLOCK).

\*\*\* UPDATE AT 0724 ON 05/21/98 FROM ANDREWS TO GOULD \*\*\*

THE PLANT TERMINATED THE UNUSUAL EVENT AT 0713 ON 05/21/98 WHEN THE UNIT REACHED COLD SHUTDOWN.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE. THE R2DO (SHYMLOCK), NRR EO (STOLZ), AEOD IRD (GIITTER), AND FEMA (EACHES) WERE NOTIFIED BY THE NRC OPERATIONS CENTER.

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\*\*\* This Event has been retracted !!!

\*\*\* This Event has been retracted !!!

Power Reactor

Event # 34268

\*\*\* UPDATE AT 0951 ON 06/11/98 FROM WILLIAM GOODHOPE TO TROCINE \*\*\*

THE LICENSEE IS RETRACTING THIS EVENT NOTIFICATION.

AT 1624 ON 05/20/98, WITH UNIT 1 AT HOT SHUTDOWN AND UNIT 2 AT 100% REACTOR POWER, THE SHIFT SUPERVISOR DECLARED A NOTIFICATION OF UNUSUAL EVENT WHEN A UNIT 1 COOLDOWN TO COLD SHUTDOWN COMMENCED DUE TO THE IDENTIFICATION OF A NON-ISOLABLE REACTOR COOLANT SYSTEM LEAK WHICH REQUIRED A PLANT SHUTDOWN IN ACCORDANCE WITH TECHNICAL SPECIFICATION 3.1.C. NRC NOTIFICATION WAS MADE AT 1642 FOR ENTRY INTO THE EMERGENCY PLAN. A 1-HOUR NON-EMERGENCY REPORT PURSUANT TO 10 CFR 50.72(b)(1)(i)(A) WAS ALSO MADE AT 1705 DUE TO THE COMMENCEMENT OF A UNIT SHUTDOWN REQUIRED BY THE PLANT'S TECHNICAL SPECIFICATIONS.

TECHNICAL SPECIFICATION 3.1.C.4 REQUIRES THE UNIT TO BE PLACED IN COLD SHUTDOWN AND CORRECTIVE ACTIONS TAKEN PRIOR TO RESUMPTION OF UNIT OPERATION FOR NON-ISOLABLE FAULTS WHICH HAVE DEVELOPED IN THE REACTOR COOLANT SYSTEM COMPONENT BODY, PIPE WELL, VESSEL WALL, OR PIPE WELD. THE LEAKAGE AT VALVE 1-RC-6 WAS DISCOVERED WITH UNIT 1 AT HOT SHUTDOWN FOLLOWING A FORCED MAINTENANCE OUTAGE. THE LEAKAGE WAS INITIALLY BELIEVED TO BE IN THE YOKE OF VALVE 1-RC-6; THEREFORE, IT WAS DETERMINED TO BE THROUGH-WALL LEAKAGE AND NON-ISOLABLE AS DEFINED BY TECHNICAL SPECIFICATION 3.1.C.4.

UNIT 1 WAS PLACED IN COLD SHUTDOWN, AND VALVE 1-RC-6 WAS REPLACED. FURTHER ANALYSIS OF THE FAILURE OF THE VALVE DETERMINED THAT THE LEAKAGE WAS NOT THROUGH THE VALVE YOKE. INSTEAD, THE LEAKAGE WAS THROUGH THE THREADED CONNECTION BETWEEN THE VALVE YOKE AND THE VALVE BODY AND THEN OUT THROUGH A NON-PRESSURE RETENTION SEAL WELD. INITIATION OF THE SHUTDOWN WAS NOT REQUIRED BY TECHNICAL SPECIFICATION 3.1.C; THEREFORE, ENTRY INTO THE EMERGENCY PLAN AND REPORTING PURSUANT TO 10 CFR 50.72(b)(1)(i)(A) WAS NOT REQUIRED. THE LICENSEE BELIEVES THAT THE ACTIONS TAKEN BY THE STATION WERE PRUDENT AND REPRESENTED A CONSERVATIVE DECISION BY THE STATION. HOWEVER, THE LICENSEE BELIEVES THAT THESE ACTIONS WERE NOT REQUIRED BY TECHNICAL SPECIFICATIONS. THEREFORE, THIS UPDATE NOTIFICATION WAS MADE TO RETRACT THE REPORTS THAT WERE MADE ON 05/20/98.

THE LICENSEE PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR AND THE STATE. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (KELLOGG), NRR EO (DENNIG), AND AEOD IRD (BARRETT).

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Power Reactor

Event # 34336

|                                      |           |  |   |
|--------------------------------------|-----------|--|---|
| Site: MCGUIRE                        |           | Notification Date / Time: 06/03/1998 16:27 (EDT) |   |
| Unit: 1                              | Region: 2 | State : NC                                       | Event Date / Time: 06/03/1998 15:52 (EDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP  |           | Last Modification: 06/11/1998                    |   |
| Containment Type: ICE COND           |           |  |   |
| NRC Notified by: BECKY HASTY/JOEL HO |           | Notifications: CHRIS CHRISTENSEN RDO             |   |
| HQ Ops Officer: DICK JOLLIFFE        |           | JOHN ZWOLINSKI, NRR EO                           |   |
| Emergency Class: UNUSUAL EVENT       |           | STINEDURF FEMA                                   |   |
| 10 CFR Section:                      |           | FRANK CONGEL, AEOD IRD                           |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO AN EXPLOSION OF A 230-KV SWITCHYARD CIRCUIT BREAKER AND THE RESULTING LOSS OF OFFSITE POWER ON UNIT 1

PRIOR TO THE EVENT, UNIT 1 WAS SHUTDOWN IN A REFUELING OUTAGE WITH ONE OF TWO OFFSITE POWER SOURCES AVAILABLE. UNIT 2 WAS AT 100% AND WAS SUPPLYING POWER TO THE UNIT 1 EMERGENCY BUSES.

AT 1552, A 230-KV SWITCHYARD CIRCUIT BREAKER (#PCB-12) EXPLODED CAUSING THE LOSS OF THE AVAILABLE OFFSITE POWER SOURCE. THERE WERE NO PERSONNEL INJURIES. THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE LOSS OF OFFSITE POWER TO UNIT 1.

THE LICENSEE IS DETERMINING THE CAUSE OF THE EXPLOSION.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1710 ON 06/03/98 FROM STEVE MOONEYHAN TO JOLLIFFE \*\*\*

AT 1644, THE LICENSEE TERMINATED THE UNUSUAL EVENT DUE TO RE-ESTABLISHING ONE OFFSITE POWER SOURCE TO UNIT 1.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT. THE OPERATIONS OFFICER NOTIFIED THE R2DO (CHRIS CHRISTENSEN), NRR EO (JOHN ZWOLINSKI), AEOD IRD (CONGEL), AND FEMA (STINEDURF) OF THE TERMINATION OF THE UNUSUAL EVENT.

\*\*\* UPDATE AT 1452 ON 06/11/98 FROM JIMMY DIAL TAKEN BY MACKINNON \*\*\*

## Power Reactor

Event # 34336

ON 06/03/98, MCGUIRE UNIT 1, WHILE IN MODE 5 (COLD SHUTDOWN), EXPERIENCED A LOSS OF OFFSITE POWER DUE TO A FAILED CURRENT TRANSFORMER (CT) IN THE 230-KV SWITCHYARD. THE FAILED CT WAS ASSOCIATED WITH ONE OFFSITE POWER CONNECTION (BUS LINE '1B'). THE OTHER SITE CONNECTION (BUS LINE '1A') WAS OUT OF SERVICE FOR PLANNED OUTAGE MAINTENANCE. OFFSITE POWER WAS LOST TO THE NON-ESSENTIAL UNIT LOAD CENTERS AND THE SHARED LOAD CENTERS THAT WERE ALIGNED TO UNIT 1 FROM BUS LINE '1B.' BOTH UNIT 1 ESSENTIAL TRAINS OF POWER HAD BEEN ALIGNED TO THE UNIT 2 OFFSITE PREFERRED POWER SOURCE FOR THE OUTAGE. THEREFORE, THE ESSENTIAL BUSES DID NOT EXPERIENCE A BLACKOUT, AND THERE WAS NO EFFECT ON DECAY HEAT REMOVAL. UNIT 2 REMAINED ON LINE NEAR FULL POWER DURING THE EVENT.

THERE WAS NO PCB EXPLOSION ASSOCIATED WITH THIS EVENT.

THE NRC RESIDENT INSPECTOR WAS INFORMED OF THIS UPDATE BY THE LICENSEE.  
THE R2DO (KELLOGG) WAS NOTIFIED BY THE NRC OPERATIONS OFFICER.

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Power Reactor

Event # 34375

| Site: TURKEY POINT                  |            | Notification Date / Time: 06/10/1998 03:27 (EDT) |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Unit: 4                             | Region: 2  | State : FL                                       | Event Date / Time: 06/10/1998 02:37 (EDT) |                 |            |                 |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |            | Last Modification: 06/10/1998                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: DAVE SPENCE        |            | Notifications: KERRY LANDIS RDO                  |   |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE       |            | JACK STROSNIDER/NRR EO                           |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | CIBOCH FEMA                                      |   |                 |            |                 |
| 10 CFR Section:                     |            | RICHARD BARRETT/AEO IRD                          |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            | ROY ZIMMERMAN/NRR ET                             |   |                 |            |                 |
|                                     |            | TIM MARTIN/AEOD ET                               |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 4                                   | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

# UNUSUAL EVENT DECLARATION DUE TO AN UNCONTROLLED FIRE WITHIN THE POWER BLOCK LASTING GREATER THAN 10 MINUTES

AT 0237, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN UNCONTROLLED FIRE WITHIN THE POWER BLOCK LASTING GREATER THAN 10 MINUTES. THE FIRE OCCURRED IN THE UNIT 4 MOTOR-GENERATOR SET ROOM, AND THE SOURCE OF THE FIRE WAS THE '4A' MOTOR-GENERATOR SET. THE LICENSEE'S FIRE TEAM RESPONDED AND SUCCESSFULLY EXTINGUISHED THE FIRE. OFFSITE ASSISTANCE WAS NOT REQUIRED. THE LICENSEE'S EMERGENCY COORDINATOR TERMINATED THE UNUSUAL EVENT AT 0300. (THE EXACT DURATION OF THE FIRE WAS NOT AVAILABLE AT THE TIME OF THIS EVENT NOTIFICATION.)

THE LICENSEE STATED THAT THE FIRE DETECTION AND HALON SYSTEMS FUNCTIONED AS DESIGNED. THE APPROPRIATE FIRE DAMPERS CLOSED, AND HALON DUMPED IN THE INVERTER ROOM LOCATED ONE FLOOR ABOVE THE UNIT 4 MOTOR-GENERATOR SET ROOM. HALON DID NOT ENTER THE THE UNIT 4 MOTOR-GENERATOR SET ROOM, AND IT WAS NOT EXPECTED TO ENTER THIS AREA.

THE FIRE CAUSED A LOSS OF A REDUNDANT MOTOR-GENERATOR SET, BUT THE UNIT IS NOT CURRENTLY IN A LIMITING CONDITION FOR OPERATION AS A RESULT OF THIS EVENT. PLANT OPERATION WAS NOT AFFECTED, AND UNIT 4 REMAINS OPERATING AT 100% POWER. THERE WERE NO PERSONNEL INJURIES, AND THERE WERE NO RADIOACTIVE RELEASES.

THE LICENSEE NOTIFIED THE STATE AND LOCAL OFFICIALS AS WELL AS THE NRC RESIDENT INSPECTOR. THE NRC SENIOR RESIDENT INSPECTOR RESPONDED TO THE SITE.

\*\*\* UPDATE AT 1114 ON 06/10/98 FROM KENDALL PETERSON TO TROCINE \*\*\*

THE FOLLOWING IS A SUMMARY OF A TIME LINE PROVIDED VIA FACSIMILE:

Power Reactor

Event # 34375

0210 FIRE ALARMS WERE RECEIVED FOR THE INVERTER AND CABLE SPREADING ROOMS.

0212 THE HALON SYSTEM ACTIVATED IN THE INVERTER AND CABLE SPREADING ROOMS, AND THE FIRE BRIGADE DISPATCHED. (THE INVERTER ROOM IS LOCATED ONE FLOOR ABOVE THE UNIT 4 MOTOR-GENERATOR SET ROOM, AND THE CABLE SPREADING ROOM IS LOCATED ADJACENT TO THE UNIT 4 MOTOR-GENERATOR SET ROOM.)

0220 THE FIRST FIRE TEAM MAKE AN ENTRY INTO THE CABLE SPREADING ROOM.

0225 A FIRE TEAM MEMBER REPORTED A FIRE ON THE '4A' MOTOR-GENERATOR SET MOTOR BEARING WITH HEAVY SMOKE. THE '4A' MOTOR-GENERATOR SET INPUT AND OUTPUT BREAKERS OPENED.

0237 AN UNUSUAL EVENT WAS DECLARED DUE TO A FIRE IN THE UNIT 4 MOTOR-GENERATOR SET ROOM.

0239 THE '4A' MOTOR-GENERATOR SET FIRE WAS EXTINGUISHED.

0250 THE STATE OF FLORIDA WAS NOTIFIED OF THE UNUSUAL EVENT.

0300 THE UNUSUAL EVENT WAS DOWNGRADED, AND THE STATE OF FLORIDA WAS NOTIFIED OF THE UNUSUAL EVENT DOWNGRADE.

0327 THE NRC OPERATIONS CENTER WAS NOTIFIED OF THE UNUSUAL EVENT DECLARATION AND DOWNGRADE.

THE NRC OPERATIONS CENTER NOTIFIED THE R2DO (KELLOGG) AND THE NRR EO (STOLZ).

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Power Reactor

Event # 34408

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WASHINGTON NUCLEAR          |           | Notification Date / Time: 06/17/1998 17:34 (EDT) |   |
| Unit: 2                           | Region: 4 | State : WA                                       | Event Date / Time: 06/17/1998 14:14 (PDT) |
| Reactor Type: [2] GE-5            |           | Last Modification: 06/19/1998                    |   |
| Containment Type: MARK II         |           |  |   |
| NRC Notified by: DAVE SWANK       |           | Notifications: IAN BARNES RDO                    |   |
| HQ Ops Officer: STEVE SANDIN      |           | ELINOR ADENSAM, NRR EO                           |   |
| Emergency Class: UNUSUAL EVENT    |           | JOSEPH GIITTER, AEOD IRD                         |   |
| 10 CFR Section:                   |           | SULLIVAN FEMA                                    |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A FIRE HEADER LINE BREAK.

THE FOLLOWING TEXT IS A PORTION OF A FACSIMILE RECEIVED FROM THE LICENSEE:

"AN UNUSUAL EVENT HAS BEEN DECLARED AT THE DISCRETION OF THE EMERGENCY DIRECTOR. A BROKEN FIRE MAIN HAS FLOODED TWO (2) [EMERGENCY CORE COOLING SYSTEMS] PUMP ROOMS. [RESIDUAL HEAT REMOVAL] 'C' AND [LOW PRESSURE CORE SPRAY] ROOMS HAVE WATER ABOVE THE 6-INCH LEVEL."

"NO FIRE HAS BEEN REPORTED. THE FIRE PUMPS HAVE BEEN SECURED. THE [TECHNICAL SUPPORT CENTER] AND [OPERATIONS SUPPORT CENTER] HAVE BEEN ACTIVATED. NO INJURIES HAVE BEEN REPORTED. THE HANFORD FIRE DEPARTMENT IS RESPONDING."

THE NRC ENTERED THE MONITORING PHASE OF NORMAL RESPONSE MODE AT 1815 ON 06/17/98.

THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. IN ADDITION TO THE NOTIFICATIONS REFERENCED ABOVE, THE NRC OPERATIONS CENTER ESTABLISHED A TELEPHONE CONFERENCE INVOLVING THE FOLLOWING PERSONNEL: AEOD IRD (BAILEY, GIITTER, MARTIN, McKENNA, AND MOHSENI); HQ PAO (BEECHER); CHAIRMAN JACKSON'S OFFICE (VIRILIO); NRR (ADENSAM, BATEMAN, COLLINS, AND POSLUSNY); EDO (HILTZ); AND REGION 4 (ACKER, BARNES, BROCKMAN, GWYNN, HENDERSON, JOHNSTON, MERSCHOFF, WONG)

\*\*\* UPDATE AT 2200 ON 06/17/98 BY TROCINE \*\*\*

AN NRC COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED AT 2200 ON 06/17/98. THE FOLLOWING NOTIFICATIONS WERE MADE (\* OFFICE DID NOT PARTICIPATE): AEOD (CONGEL AND

Power Reactor

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MARTIN); IRD (GIITTER); CHAIRMAN JACKSON (DUNN LEE AND \*VIRGILIO); COMMISSIONER DICUS (CHAN); COMMISSIONER DIAZ (DAVIS AND DROGGITIS); COMMISSIONER McGAFFIGAN (BEALL); EDO (LANGE AND \*TRACY); DEDE (MITCHELL); NRR EO (ADENSAM); NRR (BATEMAN, \*COOL, POSLUSNY, AND STOLZ); R4DO (\*BARNES); HQ PAO (BEECHER); CAO (KEELING AND MADDEN); SECY (VIETTI-COOK); SP (BANGART); IP (UPSHAW); SRI (BOYNTON); AND BRIEFER (MERSCHOFF).

\*\*\* UPDATE AT 2129 EDT ON 06/19/98 BY ART MOORE TO JOLLIFFE \*\*\*

AT 1815 PDT ON 06/19/98, THE LICENSEE TERMINATED THE UNUSUAL EVENT. CLEANUP OF THE FLOODED ROOMS AND INSPECTION OF THE INVOLVED EQUIPMENT IS IN PROGRESS. REPAIRS TO THE FIRE PROTECTION SYSTEM HAVE BEEN COMPLETED.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR AND ISSUE A PRESS RELEASE OF THE TERMINATION OF THE UNUSUAL EVENT.

AT 2055 CDT ON 06/19/98, THE NRC EXITED THE MONITORING PHASE OF NORMAL RESPONSE MODE FOR THIS EVENT.

THE NRC OPERATIONS OFFICER NOTIFIED THE R4DO IAN BARNES, NRR EO ELINOR ADENSAM, IRD JOE GIITTER, AND FEMA PAUL WRIGHT OF THE TERMINATION OF THE UNUSUAL EVENT.

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Power Reactor

Event # 34453

|                                   |                      |  |            |                 |            |                 |
|-----------------------------------|----------------------|--|------------|-----------------|------------|-----------------|
| Site: CLINTON                     |                      | Notification Date / Time: 06/29/1998 20:56 (EDT) |            |                 |            |                 |
| Unit: 1                           | Region: 3 State : IL | Event Date / Time: 06/29/1998 19:08 (CDT)        |            |                 |            |                 |
| Reactor Type: [1] GE-6            |                      | Last Modification: 06/30/1998                    |            |                 |            |                 |
| Containment Type: MARK III        |                      |  |            |                 |            |                 |
| NRC Notified by: VERLE CASTLE     |                      | Notifications: JIM MCCORMICKBARGER RDO           |            |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |                      | LEDYARD (TAD) MARSH EO                           |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |                      | GARY BELCHER FEMA                                |            |                 |            |                 |
| 10 CFR Section:                   |                      | STUART RUBIN IRD                                 |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      | MARK RING REG3                                   |            |                 |            |                 |
|                                   |                      | JIM CALDWELL REG3                                |            |                 |            |                 |
| Unit                              | Scram Code           | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N                    | No   | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

- UE DECLARED DUE TO LOSS OF 3 OF 4 OFFSITE POWER SOURCES WHILE SHUTDOWN -

AT 1908 CDT ON 06/29/98, WITH THE PLANT IN OPERATIONAL CONDITION 4 (COLD SHUTDOWN) IN A REFUELING OUTAGE SINCE SEPTEMBER, 1996, THE LICENSEE DECLARED AN UNUSUAL EVENT AT THE SHIFT SUPERVISOR'S DISCRETION DUE TO DAMAGED OFFSITE ELECTRICAL POWER LINES.

SEVERE THUNDERSTORMS, TORNADOES, AND HIGH WINDS DEENERGIZED AND KNOCKED DOWN 2 OF 3 OFFSITE 345-KV POWER LINES AND 1 OF 1 OFFSITE 138-KV POWER LINE RENDERING THE SPENT FUEL POOL COOLING AND BUILDING VENTILATION SYSTEMS INOPERABLE. THE EMERGENCY RESERVE AUXILIARY TRANSFORMER FEED TO THE SAFETY BUSES WAS LOST, AND TWO SAFETY BUSES AUTOMATICALLY TRANSFERRED TO THE REMAINING ALTERNATE OFFSITE 345-KV POWER SOURCE.

ONE OF TWO SHUTDOWN COOLING PUMPS ('B' RHR PUMP) TRIPPED DUE TO THE BUS TRANSFER AND HAS SINCE BEEN RESTARTED. THE 'A' RHR PUMP IS OPERABLE. THE REACTOR WATER CLEANUP SYSTEM REMAINED IN SERVICE TO REMOVE DECAY HEAT THROUGHOUT THIS EVENT. REACTOR COOLING SYSTEM TEMPERATURE REMAINED STABLE AT 105°F, AND REACTOR VESSEL WATER LEVEL REMAINS STABLE AT 95 INCHES (NORMAL LEVEL) THROUGHOUT THIS EVENT.

DIVISIONS 1 AND 2 EMERGENCY CORE COOLING SYSTEMS AND DIVISIONS 1 AND 2 EMERGENCY DIESEL GENERATORS (EDG) ARE OPERABLE. THE DIVISION 3 EDG AND HIGH PRESSURE CORE SPRAY SYSTEM ARE INOPERABLE DUE TO MAINTENANCE ACTIVITIES.

NO OTHER SAFETY-RELATED EQUIPMENT WAS LOST, THERE WAS NO DAMAGE TO ONSITE PLANT EQUIPMENT, AND NO PERSONNEL WERE INJURED. MINOR DAMAGE WAS SUSTAINED OUTSIDE THE SWITCHYARD.

THE LICENSEE IS IN THE PROCESS OF RESTORING THE SPENT FUEL POOL COOLING SYSTEM AND IS

Power Reactor  
INVESTIGATING THIS EVENT.

Event # 34453

THE PLANT IS STABLE IN OPERATIONAL CONDITION 4 (COLD SHUTDOWN).

THE LICENSEE NOTIFIED THE NRC SENIOR RESIDENT INSPECTOR AND THE RESIDENT INSPECTOR AND THEY RESPONDED TO THE SITE.

\*\*\*UPDATE ON 06/30/98 AT 2357 ET FROM VOLKER TAKEN BY MACKINNON\*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2020 CT ON 06/30/98 WHEN 3 OF THE 4 OFFSITE POWER SOURCES WERE RESTORED. ALL THREE 345-KV OFFSITE POWER SOURCES ARE BACK IN SERVICE. THE ESTIMATED TIME THAT THE 138-KV OFFSITE POWER SOURCE WILL BE RESTORED TO SERVICE IS IN 3 DAYS.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND THE STATE OF THE TERMINATION OF THE UNUSUAL EVENT. THE R3DO (McCORMICK-BARGER), FEMA (DEPUY) NRR EO (CAPRA) WERE NOTIFIED BY THE NRC OPERATIONS OFFICER.

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Power Reactor

Event # 34601

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: BYRON                         |            | Notification Date / Time: 08/04/1998 05:41 (EDT) |   |                 |            |                 |
| Unit: 1                             | Region: 3  | State : IL                                       | Event Date / Time: 08/04/1998 03:47 (CDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 08/04/1998                    |   |                 |            |                 |
| Containment Type: DRY AMB           |            |  |   |                 |            |                 |
| NRC Notified by: MARK RASMUSSEN     |            | Notifications: BRUCE BURGESS RDO                 |   |                 |            |                 |
| HQ Ops Officer: STEVE SANDIN        |            | WILLIAM BECKNER EO                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | FRANK CONGEL IRD                                 |   |                 |            |                 |
| 10 CFR Section:                     |            | DAN SULLIVAN FEMA                                |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION       |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

UNIT 1 DECLARED AN UNUSUAL EVENT AT 0413CDT DUE TO A LOSS OF OFFSITE POWER > 15 MINUTES.

THE 345KV LINE SUPPLYING SYSTEM AUXILIARY TRANSFORMERS (SATs) 142-1 AND 142-2 RECEIVES POWER FROM TWO SWITCHYARD AIR CIRCUIT BREAKERS (ACB) 5-6 AND 6-7. ACB 5-6 WAS OPEN PRIOR TO THIS EVENT DUE TO A LIGHTNING STRIKE ON THE OFFSITE TRANSMISSION LINES. WHEN FIELD OPERATORS ATTEMPTED TO CLOSE THIS ACB, IT FAILED TO CLOSE AND FOR REASONS UNKNOWN GENERATED A LOCAL BREAKER BACKUP SIGNAL OPENING ACB 6-7, THUS ISOLATING THE POTENTIAL FAULT ON THE 345KV LINE. THIS DEENERGIZED BOTH SATs RESULTING IN A LOSS OF OFFSITE POWER TO BOTH 4160VAC ESF BUSES 141 AND 142. BOTH EMERGENCY DIESEL GENERATORS (EDGs) AUTOSTARTED AND CLOSED ONTO THEIR RESPECTIVE BUSES. UNIT 1 IS CURRENTLY STABLE WITH ALL ECCS EQUIPMENT AVAILABLE. UNIT 1 WILL CONTINUE TO OPERATE BOTH EDGs UNTIL THE 345KV SWITCHYARD PROBLEM IS RESOLVED. THE LICENSEE WILL TERMINATE THE UNUSUAL EVENT ONCE OFFSITE POWER IS RESTORED.

THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND WILL INFORM THE NRC RESIDENT INSPECTOR.

\*\*\*UPDATE AT 1452EDT ON 8/4/98 BY D. FLOWERS TO BAILEY\*\*\*

BYRON STATION UNIT 1 TERMINATED ITS UNUSUAL EVENT AT 1301 ON 8/4/98. OFFSITE POWER HAS BEEN RESTORED AND PLANT SYSTEMS ARE BEING RESTORED TO NORMAL. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND STATE AND LOCAL AUTHORITIES. THE NRC OPERATIONS CENTER NOTIFIED THE R3DO (B. BURGESS), THE EO (J. STOLTZ), AEOD/IRD (R. HOGAN) AND FEMA (EACHES).

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Power Reactor

Event # 34679

|                                 |                      |  |  |
|---------------------------------|----------------------|--|--|
| Site: BRUNSWICK                 |                      | Notification Date / Time: 08/25/1998 06:12 (EDT) |  |
| Unit: 1 2                       | Region: 2            | Event Date / Time: 08/25/1998 05:20 (EDT)        |  |
| Reactor Type: [1] GE-4,[2] GE-4 |                      | Last Modification: 08/27/1998                    |  |
| Containment Type: MARK I MARK I |                      |  |  |
| NRC Notified by: REINSBURROW    |                      | Notifications: LEN WERT RDO                      |  |
| HQ Ops Officer: CHAUNCEY GOULD  |                      | JOSE CALVO EO                                    |  |
| Emergency Class: UNUSUAL EVENT  |                      | DEPUY FEMA                                       |  |
| 10 CFR Section:                 |                      |  |  |
| 50.72(a)(1)(i)                  | EMERGENCY DECLARED   |  |  |
| 50.72(b)(2)(vi)                 | OFFSITE NOTIFICATION |  |  |
| 50.72(b)(1)(iii)                | EXTERNAL THREAT      |  |  |
| 50.72(b)(2)(ii)                 | ESF ACTUATION        |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A HURRICANE WARNING BEING ISSUED.

THE LICENSEE MADE OFFSITE NOTIFICATIONS TO THE NORTH CAROLINA, BRUNSWICK COUNTY AND NEW HANOVER COUNTY WARNING POINTS THAT THE LICENSEE ISSUED A HURRICANE WARNING. PREPARATION FOR THE ARRIVAL OF HURRICANE BONNIE ARE UNDERWAY AT THE SITE. SITE EMERGENCY FACILITIES HAVE NOT BEEN ACTIVATED.

THE RESIDENT INSPECTOR WAS NOTIFIED.

\*\*\* UPDATE 1256EDT ON 8/25/98 FROM M. FITZPATRICK TO S. SANDIN \*\*\*

THE LICENSEE COMMENCED A REACTOR SHUTDOWN FOR BOTH UNIT 1 AND UNIT 2 AT 1221EDT SO AS TO ACHIEVE COLD SHUTDOWN CONDITIONS PRIOR TO HURRICANE FORCE WINDS REACHING THE SITE. LICENSEE PLANS TO AUGMENT STAFF AT BOTH THE TSC AND EOF AT 2300EDT. THE REGION 2 IRC WILL ENTER MONITORING AT 2000EDT. THE LICENSEE INFORMED THE RESIDENT INSPECTOR. NOTIFIED R2DO(WERT) AND EO(STOLZ).

\*\*\* UPDATE 1500EDT ON 8/25/98 COMMISSIONER'S ASSISTANTS BRIEFING \*\*\*

A COMMISSIONER'S ASSISTANTS BRIEFING WAS CONDUCTED BY R2 REGIONAL ADMINISTRATOR (REYES).

\*\*\* UPDATE 1650EDT ON 8/25/98 FROM M. FITZPATRICK TO S. SANDIN \*\*\*

UNITS 1 AND 2 ARE CURRENTLY AT 24% AND 37% POWER, RESPECTIVELY. THE LICENSEE ANTICIPATES BOTH UNITS WILL BE OFFLINE IN ABOUT 1 HOUR AND 30 MINUTES. NOTIFIED R2DO (WERT), EO (STOLZ) AND IRD (CONGEL).

Power Reactor

Event # 34679

\*\*\* UPDATE 2030EDT ON 8/25/98 FROM REGION 2 (BOB HAAG) TO S. SANDIN \*\*\*

THE REGION II RA(REYES) PLACED THE REGION 2 INCIDENT RESPONSE CENTER IN THE HURRICANE MONITORING MODE AT 2000EDT. NOTIFIED CHAIRMAN JACKSON'S OFFICE (VIRILIO), EDO'S STAFF REGION 2 (TSCHILTZ) AND RCT (HIMES).

\*\*\* UPDATE 2055EDT ON 8/25/98 FROM McCLENDIS TO S. SANDIN \*\*\*

UNIT 1 WAS SHUTDOWN AT 1752EDT AND COOLING DOWN. UNIT 2 MANUALLY SCRAMMED IN THE PAST FEW MINUTES AND IS IN HOT SHUTDOWN. BOTH UNITS SHOULD REACH COLD SHUTDOWN AT 0100EDT (UNIT 1) AND 0230EDT (UNIT 2) ON 8/26/98. NOTIFIED R2IRC (VIAS), RCT (HIMES) AND EO (THOMAS).

\*\*\* UPDATE 2129EDT ON 8/25/98 FROM D. JESTER TO S. SANDIN \*\*\*

VARIOUS EXPECTED ESF ACTUATIONS OCCURRED ON BOTH UNITS DURING SHUTDOWN DUE TO MANUAL SCRAM INSERTION AT A HIGHER THAN NORMAL POWER LEVEL.

"ON AUGUST 25, 1998 AT 1752EDT PRIMARY CONTAINMENT GROUPS 2, 6 AND 8 ISOLATIONS WERE RECEIVED FOLLOWING A MANUAL REACTOR SCRAM. THE REACTOR SCRAM WAS INSERTED ON UNIT 1 AS PART OF THE HURRICANE BONNIE ARRIVAL PREPARATIONS. A SCRAM AUTOMATICALLY RESETS THE REACTOR WATER LEVEL SET POINT TO 170 INCHES. REACTOR WATER LEVEL LOWERED TO 161 INCHES. THIS IS BELOW THE REACTOR WATER LEVEL LOW LEVEL ONE SETPOINT OF 166 INCHES. THIS IS A NORMAL LEVEL TRANSIENT FOLLOWING A REACTOR SCRAM AND WAS ANTICIPATED BY THE OPERATING CREW. ALL REQUIRED ISOLATIONS OCCURRED AS A RESULT OF THE REACTOR WATER LEVEL LOW LEVEL ONE INITIATION SIGNAL. REACTOR WATER LEVEL IMMEDIATELY SWELLED ABOVE THE LOW LEVEL ONE SETPOINT. GROUP 2 ISOLATION VALVES INCLUDE DRYWELL EQUIPMENT AND FLOOR DRAINS, TRAVERSING INCORE PROBE, RESIDUAL HEAT REMOVAL (RHR) DISCHARGE ISOLATION TO RADWASTE AND RHR PROCESS SAMPLING VALVES. GROUP 6 ISOLATION VALVES INCLUDE CONTAINMENT ATMOSPHERE CONTROL SYSTEM AND POST ACCIDENT VALVES. GROUP 8 ISOLATION VALVES INCLUDE RHR SYSTEM SHUTDOWN COOLING ISOLATION VALVES [THESE VALVES WERE CLOSED PRIOR TO THE ISOLATION SIGNAL]. AT 2049EDT PRIMARY CONTAINMENT GROUPS 2, 6 AND 8 WERE RECEIVED ON UNIT 2 FOLLOWING A MANUAL REACTOR SCRAM AS PART OF THE HURRICANE ARRIVAL PREPARATIONS. THE ACTIONS WERE IDENTICAL TO WHAT WAS EXPERIENCED ON UNIT 1. POWER ON UNIT 2 WAS 22% PRIOR TO THE SCRAM.

"[THE] INITIAL SAFETY SIGNIFICANCE [IS] MINIMAL [IN THAT] ALL SYSTEMS RESPONDED AS DESIGNED FROM THE REACTOR WATER LEVEL LOW LEVEL ONE INITIATION SIGNAL.

"[SINCE THE] ISOLATIONS OCCURRED AS DESIGNED, NO CORRECTIVE ACTIONS [ARE] REQUIRED. THE REACTORS WILL REMAIN SHUTDOWN UNTIL AFTER HURRICANE BONNIE PASSES."

DURING A NORMAL REACTOR SHUTDOWN FOR AN OUTAGE REACTOR POWER IS REDUCED TO ABOUT 15% PRIOR TO INSERTING A SCRAM. ALL ISOLATIONS HAVE BEEN RESET. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. NOTIFIED R2IRC(HAAG).

\*\*\* UPDATE 2350EDT ON 8/25/98 FROM GREGG LUDLAM TO FANGIE JONES \*\*\*

AS OF 2340EDT, THE TECHNICAL SUPPORT CENTER (TSC) HAS TAKEN OVER COMMUNICATIONS WITH THE NRC. THE TSC, OPERATIONS SUPPORT CENTER (OSC), AND THE EMERGENCY OFFSITE FACILITY (EOF) ARE FULLY MANNED AND WILL REMAIN SO UNTIL THE EVENT IS OVER. NOTIFIED R2IRC (HAAG).

\*\*\* UPDATE 0350 8/26/98 FROM MILLER TAKEN BY STRANSKY \*\*\*

05/19/2005

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Power Reactor Event # 34679  
UNIT 1 REACHED COLD SHUTDOWN AT 0132; UNIT 2 AT 0335. NOTIFIED R2IRC (MORRISSEY).

\* \* \* UPDATE 1134 8/27/98 FROM STANLEY TAKEN BY GOULD \* \* \*

THE UNUSUAL EVENT WAS TERMINATED AT 1124. HOO NOTIFIED R2DO (WERT), EO (STOLTZ), FEMA (SWEITZER).

\*\*\*\*\*

Power Reactor

Event # 34722

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: WATERFORD                   |                      | Notification Date / Time: 09/01/1998 17:36 (EDT) |  |
| Unit: 3                           | Region: 4 State : LA | Event Date / Time: 09/01/1998 16:00 (CDT)        |  |
| Reactor Type: [3] CE              |                      | Last Modification: 09/02/1998                    |  |
| Containment Type: DRY AMB         |                      |  |  |
| NRC Notified by: MEIKLEJOHN       |                      | Notifications: IAN BARNES RDO                    |  |
| HQ Ops Officer: CHAUNCEY GOULD    |                      | WILLIAM BATEMAN EO                               |  |
| Emergency Class: UNUSUAL EVENT    |                      | DEPUY FEMA                                       |  |
| 10 CFR Section:                   |                      | ROSEMARY HOGAN IRD                               |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE PLANT DECLARED AN UNUSUAL EVENT DUE TO THE DECLARATION BY ST CHARLES PARISH OF A HURRICANE WARNING. THE PLANT WILL START SHUTTING DOWN APPROXIMATELY 12HRS PRIOR TO THE ESTIMATED ARRIVAL OF TROPICAL STORM EARL.

THE RESIDENT INSPECTOR WAS NOTIFIED.

\*\*\* UPDATE 1019EDT ON 9/2/98 FROM MARK CHAISSON TO S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 0908CDT AFTER THE HURRICANE WARNINGS WERE LIFTED. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. NOTIFIED R4DO(BARNES), EO(STOLZ), IRD(HOGAN) AND FEMA(SWEETSER).

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Power Reactor

Event # 34745

|                                     |                      |  |   |
|-------------------------------------|----------------------|--|---|
| Site: BRAIDWOOD                     |                      | Notification Date / Time: 09/06/1998 22:57 (EDT) |   |
| Unit: 1                             | Region: 3            | State : IL                                       | Event Date / Time: 09/06/1998 21:07 (CDT) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |                      | Last Modification: 09/07/1998                    |   |
| Containment Type: DRY AMB           |                      |  |   |
| NRC Notified by: LARRY BROOKS       |                      | Notifications: ROGER LANKSBURY RDO               |   |
| HQ Ops Officer: LEIGH TROCINE       |                      | WILLIAM BATEMAN EO                               |   |
| Emergency Class: UNUSUAL EVENT      |                      | BERNICE CARR FEMA                                |   |
| 10 CFR Section:                     |                      | ROSEMARY HOGAN IRD                               |   |
| 50.72(a)(1)(i)                      | EMERGENCY DECLARED   |  |   |
| 50.72(b)(1)(v)                      | OTHER ASMT/COMM INOP |  |   |
| 50.72(b)(2)(ii)                     | ESF ACTUATION        |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

UNUSUAL EVENT DECLARED DUE TO A LOSS OF UNIT 1 OFFSITE POWER WHICH RESULTED FROM A LIGHTNING STRIKE

A LIGHTNING STRIKE OCCURRED ON SITE AT 2107 CDT ON 9/6/98 WHILE UNIT 1 WAS IN COLD SHUTDOWN AS PART OF A REFUELING OUTAGE. THE LIGHTNING STRIKE CAUSED A LOSS OF OFFSITE POWER TO UNIT 1 DUE TO THE LOSS OF THE UNIT SYSTEM AUXILIARY TRANSFORMERS. SMOKE AND CHARRING WERE OBSERVED, BUT THERE WAS NO FIRE. IT IS CURRENTLY BELIEVED THAT LIGHTNING MAY HAVE STRUCK A CRANE OUTSIDE CONTAINMENT LOCATED IN CLOSE PROXIMITY TO THE SYSTEM AUXILIARY TRANSFORMERS. BOTH UNIT 1 EMERGENCY DIESEL GENERATORS STARTED AND HAVE PICKED UP THE EMERGENCY SAFEGUARD FEATURES BUSES. SHUTDOWN COOLING WAS NOT LOST. THE LICENSEE DECLARED AN UNUSUAL EVENT AT 2115 CDT.

THE LICENSEE IS CURRENTLY INVESTIGATING THIS EVENT AND IS LOOKING FOR DAMAGE IN THE SWITCHYARD. THE LICENSEE PLANS TO KEEP THE UNIT IN MODE 5 AND TO PLACE THE UNIT IN MODE 6 WHEN CORRECTIVE ACTIONS ARE COMPLETED. THE LICENSEE MAY EXIT THE UNUSUAL EVENT WHEN THE SYSTEM AUXILIARY TRANSFORMERS ARE RESTORED.

THERE WAS ONE PERSONNEL INJURY ASSOCIATED WITH THIS EVENT. A NONCONTAMINATED INDIVIDUAL RECEIVED AN ELECTRIC SHOCK DUE TO THE LIGHTNING STRIKE AND WAS TRANSPORTED OFFSITE TO A LOCAL HOSPITAL VIA AMBULANCE. IT WAS REPORTED THAT THE INDIVIDUAL APPEARED TO BE OKAY BUT WAS TRANSPORTED TO THE HOSPITAL BECAUSE THE INJURY INVOLVED ELECTRICAL SHOCK.

UNIT 2 WAS UNAFFECTED AND REMAINS OPERATING AT 100% POWER.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND APPLICABLE STATE AND LOCAL AGENCIES.

Power Reactor

Event # 34745

\*\*\* UPDATE AT 0024 ON 09/07/98 BY TOM PETELLE TO JOLLIFFE \*\*\*

THE ABOVE LOSS OF OFFSITE POWER CAUSED BY A LIGHTNING STRIKE ON A CRANE NEAR THE UNIT 1 CONTAINMENT ALSO CAUSED A LOSS OF POWER TO THE UNIT 1 RADIATION MONITOR RM-11. THIS, IN TURN, RESULTED IN THE ESF ACTUATIONS OF THE CONTAINMENT VENTILATION, CONTROL ROOM VENTILATION, AUXILIARY BUILDING VENTILATION, AND FUEL BUILDING VENTILATION SYSTEMS.

THE LICENSEE ALSO DETERMINED THAT THE LOSS OF METEOROLOGICAL RECORDERS AND COMPUTER POINTS MAY BE A LOSS OF EMERGENCY ASSESSMENT. NEARBY STATIONS WERE USED AS ALTERNATE MEANS.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

THE NRC OPERATIONS OFFICER NOTIFIED THE R3DO ROGER LANKSBURY.

\*\*\* UPDATE AT 0733 ON 09/07/98 FROM CAL WALRATH TO JOLLIFFE \*\*\*

AT 0555 CDT ON 09/07/98, THE LICENSEE DETERMINED THAT UNIT 1 SUSTAINED NO DAMAGE, RESTORED OFFSITE POWER, AND TERMINATED THE UNUSUAL EVENT.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE NRC OPERATIONS OFFICER NOTIFIED THE R3DO ROGER LANKSBURY, NRR EO BILL BATEMAN, AND FEMA GENE CANUPP.

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Power Reactor

Event # 34757

|                                    |           |  |   |
|------------------------------------|-----------|--|---|
| Site: PALO VERDE                   |           | Notification Date / Time: 09/10/1998 07:38 (EDT) |   |
| Unit: 1                            | Region: 4 | State : AZ                                       | Event Date / Time: 09/10/1998 02:46 (MST) |
| Reactor Type: [1] CE,[2] CE,[3] CE |           | Last Modification: 09/10/1998                    |   |
| Containment Type: DRY AMB          |           |  |   |
| NRC Notified by: BRIAN HEATHMAN    |           | Notifications: JOE TAPIA RDO                     |   |
| HQ Ops Officer: JOHN MacKINNON     |           | BOB DENNIG EO                                    |   |
| Emergency Class: UNUSUAL EVENT     |           | HERSKO FEMA                                      |   |
| 10 CFR Section:                    |           | STU RUBIN MGR                                    |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED  |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT ENTERED AND EXITED IMMEDIATELY DUE TO RUPTURE OF THE ACID DAY TANK CONTAINING 320 GALLONS OF SULFURIC ACID.

UNIT 1 EXPERIENCED A RUPTURE OF THE ACID DAY TANK (SCNTO1) FOR THE SECONDARY CYCLE POLISHING DEMINERALIZER. THE RUPTURE RESULTED IN DEFORMATION OF THE TANK AND THE UPPER FLANGED MANWAY COVER BEING RIPPED OPEN. THE VOLUME OF SULFURIC ACID IN THE TANK WAS APPROXIMATELY 320 GALLONS. THE ACID SPILLED WAS CONTAINED WITHIN THE TURBINE AREA. THE LOCAL AREA WAS SPRAYED WITH ACID. THE LOCAL BERM SURROUNDING THE TANK CONTAINED THE MAJORITY OF THE SPILL. THE ACID DAY TANK IS LOCATED AT THE 100' ELEVATION IN THE TURBINE BUILDING.

NO PERSONNEL WERE INJURED. THE ONSITE FIRE DEPARTMENT HAZARD MATERIAL TEAM RESPONDED AND IS CURRENTLY ASSESSING/CONTAINING THE SPILL. AT THE PRESENT, THE EVENT CONDITIONS ARE STABLE. THE EQUIPMENT THAT WAS SPRAYED WITH ACID WAS NON-SAFETY RELATED COMPONENTS.

NO ESF ACTUATIONS WERE EXPERIENCED OR REQUIRED.

AT THIS TIME, THE CAUSE OF THE RUPTURE IS NOT KNOWN AND FOLLOW UP INVESTIGATION WILL BE PERFORMED.

THE UNUSUAL EVENT WAS BASED UPON EAL V-106 (EXPLOSION WITH POTENTIAL DAMAGE TO SURROUNDING EQUIPMENT) AND EXITED IMMEDIATELY.

THE LICENSEE NOTIFIED THE LOCAL POLICE DEPARTMENT OF THIS EVENT.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS EVENT BY THE LICENSEE.

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Power Reactor

Event # 34760

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: WATERFORD                   |           | Notification Date / Time: 09/10/1998 23:44 (EDT) |   |
| Unit: 3                           | Region: 4 | State : LA                                       | Event Date / Time: 09/10/1998 22:28 (CDT) |
| Reactor Type: [3] CE              |           | Last Modification: 09/13/1998                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: P. DAVILLIER     |           | Notifications: JOE TAPIA RDO                     |   |
| HQ Ops Officer: JOHN MacKINNON    |           | ELINOR ADENSAM EO                                |   |
| Emergency Class: UNUSUAL EVENT    |           | CANUPP FEMA                                      |   |
| 10 CFR Section:                   |           | STU RUBIN (MGR) IRD                              |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 30         | Power Operation | 30         | Power Operation |

UNUSUAL EVENT DECLARED DUE TO STRONG NATURAL GAS ODOR COMING FROM OFFSITE.

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO DETECTION OF STRONG NATURAL GAS ODORS COMING FROM SOMEWHERE OFFSITE. THE WIND DIRECTION AT THIS TIME IS FROM THE ESE. NO PROTECTIVE ACTIONS ARE BEING TAKEN BY THE LICENSEE AT THIS TIME. WHEN THE PLANT'S TOXIC GAS MONITOR ALARMED, CONTROL ROOM VENTILATION WAS SWITCHED TO ITS RECIRCULATION MODE OF OPERATION. THE LICENSEE SAID THAT THEY HAVE MANY CHEMICAL PLANTS IN THEIR AREA AND THE NATURAL GAS ODOR IS MOST PROBABLY COMING FROM ONE OF THE MANY CHEMICAL PLANTS IN THEIR AREA. THE UNUSUAL EVENT WAS DECLARED PER THEIR TOXIC CHEMICAL PROCEDURE AND THEY ARE NOT IN ANY EMERGENCY ACTION LEVEL PROCEDURE. STATE AND LOCAL AUTHORITIES WERE NOTIFIED BY THE LICENSEE.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS EVENT BY THE LICENSEE.

\*\*\* UPDATE ON 09/11/98 @ 0116ET BY DAVILLIER TAKEN BY MACKINNON \*\*\*

THE UNUSUAL EVENT WAS EXITED AT 2336 CT ON 09/10/98 WHEN ALL TOXIC GAS CHANNELS RETURNED TO NORMAL. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT CLASSIFICATION.

AT 2356 CT ON 09/10/98 THE LICENSEE REENTERED AN UNUSUAL EVENT CLASSIFICATION WHEN THE TOXIC GAS MONITOR ALARMED AND SAINT CHARLES PARISH NOTIFIED THEM THAT A NEARBY CHEMICAL PLANT (UNION CARBIDE) HAD GONE INTO AN ALERT CLASSIFICATION BECAUSE A CHEMICAL TANK AT THE UNION CARBIDE SITE HAD A SUNKEN ROOF AND NAPHTHA FUMES WERE ESCAPING FROM THE TANK. THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED. R4DO (JOE TAPIA) AND NRR EO (ELINOR ADENSAM) NOTIFIED.

\*\*\* UPDATE 0005EDT ON 9/12/98 FROM DEVLIN TO S.SANDIN \*\*\*

Power Reactor

Event # 34760

CLARIFICATION: THE TOXIC CHEMICAL PROCEDURE REFERENCED ABOVE IS PART OF THE LICENSEE'S RADIOLOGICAL EMERGENCY PLAN. SINCE THERE WAS NO RADIOLOGICAL RELEASE INVOLVED, THE INDIVIDUAL MAKING THE INITIAL NOTIFICATION INCORRECTLY BELIEVED THAT NO EMERGENCY ACTION LEVEL PROCEDURE HAD BEEN ENTERED.

\*\*\* UPDATE 0337EDT ON 9/13/98 FROM MARY ANN JOURDAIN TO S.SANDIN \*\*\*

UE TERMINATED AT 0217CDT DUE TO THE HAZARDOUS CONDITION NO LONGER EXISTING. THE LICENSEE NOTIFIED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R4DO(TAPIA), EO(ADENSAM) AND FEMA(STEINDURF).

\*\*\*\*\*

Power Reactor

Event # 34789

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HATCH                       |           | Notification Date / Time: 09/17/1998 15:13 (EDT) |   |
| Unit: 2                           | Region: 2 | State : GA                                       | Event Date / Time: 09/17/1998 14:52 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 09/17/1998                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: ROGER VARNADORE  |           | Notifications: CAUDLE JULIAN RDO                 |   |
| .HQ Ops Officer: DICK JOLLIFFE    |           | ED GOODWIN, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | JOSEPH GIITTER IRD                               |   |
| 10 CFR Section:                   |           | BERNICE CARR FEMA                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

-UE DUE TO 2 POTENTIALLY CONTAMINATED CONTRACTORS TRANSPORTED TO HOSPITAL-

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO TRANSPORTING TWO POTENTIALLY CONTAMINATED, INJURED CONTRACTORS BY AMBULANCE TO A LOCAL HOSPITAL. THE CONTRACTORS WERE ACCOMPANIED BY LICENSEE HEALTH PHYSICS TECHNICIANS.

A TUBE BUNDLE WAS BEING REMOVED FROM A MOISTURE SEPARATOR REHEATER WHEN A CHAIN FALL BROKE AND THE TUBE BUNDLE DROPPED APPROXIMATELY THREE FEET. THE CHAIN FALL STRUCK ONE INDIVIDUAL AND THE OTHER FELL APPROXIMATELY THREE FEET FROM FROM A PLATFORM.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1646 ON 09/17/98 BY BARRY COLEMAN TO JOLLIFFE \*\*\*

AT 1645 ON 09/17/98, THE LICENSEE TERMINATED THE UNUSUAL EVENT WHEN THEY DETERMINED THAT THE TWO INJURED CONTRACTORS BEING TREATED IN THE LOCAL HOSPITAL WERE NOT CONTAMINATED.

THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR OF THE TERMINATION OF THE UNUSUAL EVENT.

THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO AL BELISLE, NRR EO BILL BECKNER, IRD JOE GIITTER, AND FEMA CHUCK BAGWELL.

\*\*\*\*\*

Power Reactor

Event # 34828

|   |           |  |   |
|---|-----------|--|---|
| Site: TURKEY POINT                      |           | Notification Date / Time: 09/24/1998 05:26 (EDT) |   |
| Unit: 3 4                               | Region: 2 | State : FL                                       | Event Date / Time: 09/24/1998 05:06 (EDT) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP     |           | Last Modification: 09/25/1998                    |   |
| Containment Type: DRY AMB DRY AMB       |           |  |   |
| NRC Notified by: FRED PARKS             |           | Notifications: JOHN ZEILER RDO                   |   |
| HQ Ops Officer: LEIGH TROCINE           |           | CECIL THOMAS, NRR EO                             |   |
| Emergency Class: UNUSUAL EVENT          |           | FRANK CONGEL, AEOD IRD                           |   |
| 10 CFR Section:                         |           | RALPH HERSKO FEMA                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED       |           |  |   |
| 50.72(b)(1)(iii) EXTERNAL THREAT        |           |  |   |
| 50.72(b)(1)(i)(B) DEVIATION FROM T SPEC |           |  |   |
| 73.71(b)(1) SAFEGUARDS REPORTS          |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |
| 4    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

DECLARATION OF AN UNUSUAL EVENT DUE TO ISSUANCE OF A HURRICANE WARNING BY THE NATIONAL HURRICANE CENTER (REFER TO EVENT #34834.)

THE FOLLOWING TEXT IS A PORTION OF A FACSIMILE RECEIVED FROM THE LICENSEE:

"TURKEY POINT UNITS 3 AND 4 HAVE DECLARED AN UNUSUAL EVENT DUE TO A HURRICANE WARNING BEING ISSUED BY THE NATIONAL HURRICANE CENTER [LOCATED] IN MIAMI, FLORIDA. UNIT 3 SHUT DOWN ON MONDAY, SEPT 21, FOR A REFUELING OUTAGE AND IS CURRENTLY IN MODE 5. OUTAGE WORK HAS BEEN STOPPED, AND PREPARATIONS ARE UNDERWAY FOR THE POTENTIAL ARRIVAL OF HURRICANE GEORGES. UNIT 4 IS IN MODE 1 AS THE SITE CONTINUES TO MONITOR THE TRACK OF THE STORM. SITE EMERGENCY FACILITIES HAVE NOT YET BEEN ACTIVATED; HOWEVER, PLANS HAVE BEEN COMPLETED FOR THE MANNING OF THESE FACILITIES. NOTIFICATION TO THE STATE OF FLORIDA HAS BEEN COMPLETED."

THE LICENSEE STATED THAT THE SITE WAS NOTIFIED OF THE ISSUANCE OF THE HURRICANE WARNING AT APPROXIMATELY 0505, AND THE UNUSUAL EVENT WAS DECLARED AT 0506.

THE LICENSE NOTIFIED APPLICABLE STATE AND LOCAL AGENCIES AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR.

HOO NOTE: FOR CATEGORY 1 OR 2 HURRICANES; THE LICENSEE'S PROCEDURES REQUIRE UNITS OPERATING IN MODES 1, 2, OR 3 TO BE PLACED IN MODE 3 (HOT STANDBY) WITHIN 2 HOURS OF THE PROJECTED ONSET OF SUSTAINED HURRICANE FORCE WINDS (75 mph) AT THE SITE. FOR CATEGORY 3, 4, AND 5 HURRICANES, THE LICENSEE'S PROCEDURES REQUIRE UNITS OPERATING IN MODES 1, 2, OR 3 TO BE PLACED IN MODE 4 (HOT SHUTDOWN) WITHIN 2 HOURS OF THE PROJECTED ONSET OF SUSTAINED HURRICANE FORCE WINDS AT THE SITE. HURRICANE GEORGES

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Event # 34828

IS CURRENTLY A CATEGORY 1 STORM WITH SUSTAINED WINDS OF 75 mph AND PEAK GUSTS OF 90 mph. AT THIS TIME, THIS HURRICANE IS EXPECTED TO STRENGTHEN, BUT IT IS NOT EXPECTED TO BECOME GREATER THAN A CATEGORY 2 STORM PRIOR TO THE ARRIVAL OF SUSTAINED HURRICANE FORCE WINDS ONSITE.

\*\*\* UPDATE AT 1400 ON 09/24/98 BY JOLLIFFE \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED AT 1400 ON 09/24/98 TO DISCUSS ISSUES RELATING TO HURRICANE GEORGES. THE FOLLOWING INDIVIDUALS WERE NOTIFIED OF THE BRIEFING (\* DID NOT PARTICIPATE): AEOD (\* FRANK CONGEL), AEOD IRD (STUART RUBIN AND TOM McKENNA), CHAIRMAN JACKSON (MARK MILLER), COMMISSIONER DIAZ (ROGER DAVIS AND PAT CASTLEMAN), COMMISSIONER McGAFFIGAN (JIM BEALL), EDO (SCOTT BARBER), DEDE (\* JOCELYN MITCHELL), NRR EO (JOHN STOLZ), NRR PROJECTS (FRED HEBDON AND \* KAHTAN JABBOUR), NMSS EO (FRED COMBS), R2DO (\* JOHN ZEILER), REGION 2 (LEN WERT, et.al.), PAO (BILL BEECHER), CAO (LINDA PORTNER), SECY (ANDREW BATES), SP (ROSETTA VIRGILIO), AND IP (RON HAUBER).

\*\*\* UPDATE AT 2043 ON 09/24/98 FROM D. HENRY TAKEN BY STRANSKY \*\*\*

THE LICENSEE IS CURRENTLY REDUCING UNIT 4 REACTOR POWER TO 50% IN ANTICIPATION OF THE HURRICANE.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE REGION 2 INCIDENT RESPONSE CENTER (JIM HUFHAM).

\*\*\* UPDATE AT 2228 ON 09/24/98 FROM D. HENRY TAKEN BY STRANSKY \*\*\*

THE LICENSEE RELAYED THE FOLLOWING STATEMENT:

"AS SQUALL LINES PASS THROUGH THE AREA, PERIODIC TORNADO WARNINGS ARE ISSUED BY THE NATIONAL WEATHER SERVICE FOR VARIOUS SECTIONS OF MIAMI/DADE COUNTY."

\*\*\* UPDATE AT 2250 ON 09/24/98 FROM CRAIG MOWRY TAKEN BY STRANSKY \*\*\*

DUE TO THE PROXIMITY OF HURRICANE GEORGES AND THE RESULTANT POTENTIAL FOR LIGHTNING STRIKES AND TORNADOS, SAFEGUARDS MEASURES PURSUANT TO 10CFR73.55 REQUIRING A PROTECTED AREA PERIMETER INTRUSION DETECTION SYSTEM WILL BE SUSPENDED UNDER THE PROVISIONS OF 10CFR50.54(x). SPECIFICALLY, AS SQUALLS PASS THROUGH THE AREA, COMPENSATORY POSTS FOR ONE OR MORE FAILED PORTIONS OF THE PERIMETER INTRUSION DETECTION SYSTEM MAY BE TEMPORARILY SUSPENDED. AS SOON AS WEATHER PERMITS, FAILED PORTIONS WILL BE RESTORED OR POSTS REESTABLISHED. EACH INDIVIDUAL POST WILL BE LOGGED AS IT IS POSTED, REMOVED, OR REPOSTED. REMAINING PORTIONS OF THE PERIMETER WILL BE MONITORED BY CAMERA TO THE EXTENT POSSIBLE. THIS SUSPENSION IS REPORTED IN ACCORDANCE WITH 10 CFR PART 73, APPENDIX G.1(c).

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R2IRC (JIM HUFHAM) AND R2DO/IAT (AL BELISLE).

\*\*\* UPDATE AT 1142 ON 09/25/98 FROM CRAIG MOWREY TAKEN BY TROCINE \*\*\*

THE HURRICANE WARNING FOR THE AREA INCLUDING THE TURKEY POINT SITE HAS BEEN DISCONTINUED. THEREFORE, THE UNUSUAL EVENT CLASSIFICATION AT TURKEY POINT WAS

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TERMINATED AT 1131 ON 09/25/98.

Event # 34828

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (BELISLE), REGION 2 INCIDENT RESPONSE CENTER (BANKS), NRR EO (STOLZ), AEOD IRD (CONGEL), AND FEMA (SWEATSER).

\*\*\*\*\*

Power Reactor

Event # 34837

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: PALISADES                   |            | Notification Date / Time: 09/25/1998 16:35 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 3  | State : MI                                       | Event Date / Time: 09/25/1998 16:09 (EDT) |                 |            |                 |
| Reactor Type: [1] CE              |            | Last Modification: 09/25/1998                    |   |                 |            |                 |
| Containment Type: DRY AMB         |            |  |   |                 |            |                 |
| NRC Notified by: JAMES WICKS      |            | Notifications: JAMES CREED RDO                   |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY      |            | CECIL THOMAS, NRR EO                             |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | BUTCH STEINDURF FEMA                             |   |                 |            |                 |
| 10 CFR Section:                   |            | FRANK CONGEL IRD                                 |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | Yes  | 100                                       | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO EARTHQUAKE FELT ONSITE

AT APPROXIMATELY 1600, CONTROL ROOM OPERATORS WERE NOTIFIED THAT PERSONNEL IN THE SWITCHYARD AND WAREHOUSE REPORTED FEELING AN EARTHQUAKE. THE LICENSEE DECLARED AN UNUSUAL EVENT AT 1609 AFTER CONTACTING THE NATIONAL EARTHQUAKE INFORMATION CENTER AND CONFIRMING THAT AN EARTHQUAKE HAD OCCURRED. SEISMIC ALARMS DID NOT ACTIVATE, AND THE PLANT CONTINUED TO OPERATE AT 100% POWER.

THE LICENSEE PLANS TO PERFORM SYSTEM WALKDOWNS TO VERIFY THAT NO DAMAGE OCCURRED, AND THEN WILL TERMINATE THE UNUSUAL EVENT. THE NRC RESIDENT INSPECTORS WILL BE INFORMED BY THE LICENSEE.

HOO NOTE: THE FEDERAL EMERGENCY MANAGEMENT AGENCY REPORTED THAT AN EARTHQUAKE OF MAGNITUDE 5.2R OCCURRED AT 1553 EDT AND WAS CENTERED APPROXIMATELY 15 MILES NORTH OF SHARON, PA.

\*\*\* UPDATE AT 1731 ON 09/25/98 FROM WICKS TAKEN BY STRANSKY \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AFTER PLANT PERSONNEL PERFORMED A PLANT WALKDOWN AND VERIFIED THAT NO DAMAGE HAD OCCURRED. THE NRC RESIDENT INSPECTORS WILL BE INFORMED BY THE LICENSEE. THE NRC OPERATIONS OFFICER NOTIFIED R3DO (JIM CREED), NRR EO (CECIL THOMAS), AND FEMA (BUTCH STEINDURF).

HOO NOTE: SEE RELATED EVENT #34838

HOO NOTE BY TROCINE: THE ORIGINAL REPORT DID NOT INDICATE THE TIME THAT THE UNUSUAL EVENT WAS TERMINATED. AT APPROXIMATELY 1505 ON 10/20/98, THE LICENSEE (DAVID VANDEWALLE) VERIFIED THAT THE UNUSUAL EVENT WAS TERMINATED AT 1726 ON 09/25/98.

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Event # 34837

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Power Reactor

Event # 34841

|  |           |  |   |
|--|-----------|--|---|
| Site: WATERFORD                                      |           | Notification Date / Time: 09/26/1998 13:19 (EDT) |   |
| Unit: 3  | Region: 4 | State : LA                                       | Event Date / Time: 09/26/1998 11:20 (CDT) |
| Reactor Type: [3] CE                                 |           | Last Modification: 09/28/1998                    |   |
| Containment Type: DRY AMB                            |           |  |   |
| NRC Notified by: TIM MENDOZA                         |           | Notifications: ELMO COLLINS RDO                  |   |
| HQ Ops Officer: BOB STRANSKY                         |           | CECIL THOMAS, NRR EO                             |   |
| Emergency Class: UNUSUAL EVENT                       |           | LARRY BELCHER FEMA                               |   |
| 10 CFR Section:                                      |           | FRANK CONGEL IRD                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED<br>COMM ASST BRIEF |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | No      | 0          | Hot Standby     | 0          | Hot Standby     |

## UNUSUAL EVENT DECLARED DUE TO ISSUANCE OF HURRICANE WARNING

AT 1120 CDT ON 09/26/98, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE ISSUANCE OF A HURRICANE WARNING FOR ST CHARLES PARISH. THE NRC RESIDENT INSPECTOR HAS BEEN INFORMED BY THE LICENSEE.

\*\*\* UPDATE AT 2000 ON 09/26/98 BY TROCINE \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED AT 2000 ON 09/26/98 TO DISCUSS ISSUES RELATING TO HURRICANE GEORGES. THE FOLLOWING NOTIFICATIONS WERE MADE (\* OFFICE DID NOT PARTICIPATE): AEOD (MARTIN), AEOD IRD (\*CONGEL), CHAIRMAN JACKSON (\*MILLER), COMMISSIONER DIAZ (HSIA), COMMISSIONER McGAFFIGAN (SHARKEY), EDO (LANGE), DEDE (TRAVERS), NRR EO (THOMAS), NMSS EO (CAMPER), NRR (\*HANNON, \*PATEL, AND \*STOLZ), R4DO (\*COLLINS), REGION 4 (HACKNEY) PAO (GAGNER), CAO (MADDEN), SECY (\*HART), SP (\*BANGART), IP (UPSHAW), AND BRIEFER (GWYNN).

\*\*\* UPDATE AT 1042 ON 09/27/98 BY RON CUMMINS TO JOLLIFFE \*\*\*

AT 0942 CDT ON 09/27/98, THE LICENSEE ACTIVATED THE SITE EMERGENCY RESPONSE DATA SYSTEM.

\*\*\* UPDATE AT 1600 ON 09/27/98 BY S. SANDIN \*\*\*

AT 1600 ON 09/27/98, A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED TO DISCUSS THE NRC RESPONSE TO HURRICANE GEORGES. THE FOLLOWING NOTIFICATIONS WERE MADE (\* OFFICE DID NOT PARTICIPATE): AEOD (MARTIN), AEOD IRD (CONGEL), CHAIRMAN JACKSON (MILLER), COMMISSIONER DIAZ (HSIA), COMMISSIONER McGAFFIGAN (SHARKEY), EDO (HILTZ), DEDE (MITCHELL), NRR EO (THOMAS), NMSS (COMBS), NRR (HANNON), REGION 4 (HACKNEY, ANDREWS), PAO (GILLILAND), CAO (\*MADDEN),

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SECY (BATES), SP (\*BANGART), IP (UPSHAW, HAUBER), AND BRIEFER (GWYNN). Event # 34841

\*\*\* UPDATE AT 1700 ON 09/27/98 BY S. SANDIN \*\*\*

AT 1700 ON 09/27/98, THE NRC ENTERED THE MONITORING PHASE OF NORMAL RESPONSE MODE.

\*\*\* UPDATE AT 1700 ON 09/28/98 BY STRANSKY \*\*\*

AT 1700 ON 09/28/98, THE NRC EXITED THE MONITORING PHASE OF NORMAL RESPONSE MODE. THE NRC OPERATIONS OFFICER NOTIFIED CHAIRMAN JACKSON (B. HOLIAN), EDO (B. McCABE), AND OPA (B. BEECHER).

\*\*\* UPDATE AT 1734 ON 09/28/98 FROM RON PERRY TAKEN BY STRANSKY \*\*\*

AT 1612 CDT ON 09/28/98, THE LICENSEE TERMINATED THE UNUSUAL EVENT AFTER THE HURRICANE WARNING FOR ST. CHARLES PARISH WAS LIFTED.

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R4DO (SHACKELFORD), NRR EO (THOMAS), AND FEMA (CALDWELL).

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Power Reactor

Event # 34875

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: LASALLE                     |           | Notification Date / Time: 10/05/1998 17:42 (EDT) |   |
| Unit: 1 2                         | Region: 3 | State : IL                                       | Event Date / Time: 10/05/1998 15:58 (CDT) |
| Reactor Type: [1] GE-5,[2] GE-5   |           | Last Modification: 10/05/1998                    |   |
| Containment Type: MARK II MARK II |           |  |   |
| NRC Notified by: JOHN HOPMAN      |           | Notifications: THOMAS KOZAK RDO                  |   |
| HQ Ops Officer: STEVE SANDIN      |           | JOHN ZWOLINSKI, NRR EO                           |   |
| Emergency Class: UNUSUAL EVENT    |           | CHUCK DEPUY FEMA                                 |   |
| 10 CFR Section:                   |           | JOSEPH GIITTER, AEOD IRD                         |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO MEDICAL TRANSPORT OF A CONTAMINATED DIVER TO A LOCAL HOSPITAL.

"AT 1558 CDT, THE SITE ENTERED A GSEP UNUSUAL EVENT (EAL HU7), 'TRANSPORTATION OF A RADIOACTIVELY CONTAMINATED PERSON TO AN OFFSITE MEDICAL FACILITY.' A DIVER WAS IN THE UNIT 2 SUPPRESSION POOL AND LOST CONSCIOUSNESS. HE HAS BEEN EXTRACTED AND WAS RESUSCITATED AND IS ENROUTE TO ST. MARY'S HOSPITAL IN STREATOR, IL. IT WAS CONFIRMED HIS FACE IS CONTAMINATED, AND HE IS BEING ACCOMPANIED BY RADIATION PROTECTION PERSONNEL."

THE LICENSEE DOES NOT PLAN TO ISSUE A PRESS RELEASE AT THIS TIME AND HAS INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2009 EDT ON 10/05/98 FROM JOHN HOPMAN TO S.SANDIN \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1845 CDT. THE DIVER HAS BEEN DECONTAMINATED (BETWEEN 2-5K DPM TO THE HAIR) AND WILL BE KEPT IN THE HOSPITAL OVERNIGHT FOR OBSERVATION. AN INVESTIGATION WILL BE PERFORMED TO DETERMINE THE ROOT CAUSE.

THE LICENSEE NOTIFIED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. THE NRC RESIDENT INSPECTOR NOTIFIED THE R3DO (KOZAK), NRR EO (ZWOLINSKI), AND FEMA (DEPUY).

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Power Reactor

Event # 34900

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FERMI                       |           | Notification Date / Time: 10/10/1998 14:24 (EDT) |   |
| Unit: 2                           | Region: 3 | State : MI                                       | Event Date / Time: 10/10/1998 13:27 (EDT) |
| Reactor Type: [2] GE-4            |           | Last Modification: 10/10/1998                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: MIKE PHILIPPON   |           | Notifications: THOMAS KOZAK RDO                  |   |
| HQ Ops Officer: DICK JOLLIFFE     |           | JACK STROSNIDER, NRR EO                          |   |
| Emergency Class: UNUSUAL EVENT    |           | DAN SULLIVAN FEMA                                |   |
| 10 CFR Section:                   |           | STUART RUBIN IRD                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Refueling       | 0          | Refueling       |

- UNUSUAL EVENT DECLARED DUE TO A FIRE LASTING LONGER THAN 15 MINUTES -

FERMI 2 IS IN CONDITION 5 IN A REFUELING OUTAGE WITH THE CORE LOADED.

AT 1312 ON 10/10/98, A CONTRACTOR ELECTRICIAN SHORTED A SCREWDRIVER ACROSS ENERGIZED ELECTRICAL CONTACTS IN A NON-ESSENTIAL 480 VOLT MOTOR CONTROL CENTER IN THE RAD WASTE SYSTEM. THIS RESULTED IN A FLASHOVER THAT INJURED THE ELECTRICIAN. THE LICENSEE TRANSPORTED THE NON-CONTAMINATED INJURED CONTRACTOR ELECTRICIAN BY HELICOPTER TO A LOCAL HOSPITAL.

AT 1327, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE INABILITY TO DETERMINE IF THERE WAS AN ACTIVE FIRE IN THE LOCAL AREA DUE TO HEAVY SMOKE. THE LICENSEE DEENERGIZED THE NON-ESSENTIAL BUS TO ENSURE THAT THE FIRE WAS EXTINGUISHED. THE UNUSUAL EVENT WAS CLASSIFIED AS A FIRE WITHIN THE PLANT PROTECTED AREA BOUNDARY NOT EXTINGUISHED WITHIN 15 MINUTES OF DETECTION.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS AND THE PROVINCE OF ONTARIO REGARDING THE DECLARATION OF THE UNUSUAL EVENT.

AT 1330, THE PLANT FIRE BRIGADE CONFIRMED THAT THERE WAS NO ACTIVE FIRE IN THE LOCAL AREA, ONLY HEAVY SMOKE. THERE WERE NO ESF ACTUATIONS, LOSS OF SHUTDOWN COOLING, OR REACTOR COOLANT SYSTEM TEMPERATURE INCREASE. THE PLANT REMAINS STABLE IN CONDITION 5 (REFUELING).

AT 1351, THE LICENSEE TERMINATED THE UNUSUAL EVENT AND IS IN THE PROCESS OF NOTIFYING THE NRC RESIDENT INSPECTOR, STATE AND LOCAL OFFICIALS, AND THE PROVINCE OF ONTARIO REGARDING THE TERMINATION OF THE UNUSUAL EVENT.

NOTE: REFER TO RELATED EVENT #34889.

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Event # 34900

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Power Reactor

Event # 34980

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SURRY                         |           | Notification Date / Time: 11/02/1998 06:36 (EST) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 11/02/1998 06:08 (EST) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 11/02/1998                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: J KUBOVICK         |           | Notifications: THOMAS PEEBLES R2                 |   |
| HQ Ops Officer: JOHN MacKINNON      |           | ED GOODWIN EO                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | SULLIVAN FEMA                                    |   |
| 10 CFR Section:                     |           |  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED BECAUSE OF AN ELECTRICAL EXPLOSION IN A REMOTE EXCITATION CABINET.

DURING THE PERFORMANCE OF A QUARTERLY SURVEILLANCE TEST OF THE # 3 EMERGENCY DIESEL GENERATOR AN ELECTRICAL EXPLOSION OCCURRED IN ITS REMOTE EXCITATION CABINET. EMERGENCY DIESEL GENERATOR # 3 WAS PROPERLY SECURED AFTER ITS BREAKER TRIPPED OPEN DUE TO THE EXCITATION CABINET EXPLOSION. THERE WERE NO FIRES, SMOKE, OR INJURIES DUE TO THE EXPLOSION IN THE REMOTE EXCITATION CABINET. THE ONLY DAMAGE IS TO THE CABINET (IT IS BLOWN OUTWARD). THE LICENSEE DECLARED EMERGENCY DIESEL GENERATOR # 3 INOPERABLE AND ENTERED A 7 DAY LIMITING CONDITION FOR OPERATION PER TECHNICAL SPECIFICATION 3.16. (B) ITEM 3.

EMERGENCY DIESEL GENERATORS # 1 AND # 2 ARE FULLY OPERABLE IF NEEDED.

UNUSUAL EVENT WILL BE TERMINATED AFTER THE LICENSEE COMPLETES AN INITIAL INVESTIGATION OF THIS EVENT.

THE NRC RESIDENT INSPECTOR, STATE, AND LOCAL OFFICIALS WERE NOTIFIED OF THIS EVENT BY THE LICENSEE.

\*\*\*UPDATE ON 11/02/98 AT 0901 ET BY MOZO TAKEN BY MACKINNON\*\*\*

UNUSUAL EVENT WAS TERMINATED AT 0857 ET AFTER EMERGENCY DIESEL GENERATOR # 3 WAS TAGGED OUT OF SERVICE AT 0855ET. IT APPEARS THAT AN ELECTRICAL FAULT OCCURRED ON A POTENTIAL TRANSFORMER IN THE VOLTAGE REGULATOR SECTION OF THE REMOTE EXCITATION CABINET. THE LICENSEE NOTIFIED STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE UNUSUAL EVENT CLASSIFICATION. R2DO (TOM PEEBLES), NRR EO (JOHN STOLZ), & FEMA (SULLIVAN) NOTIFIED.

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Event # 34980

THE NRC RESIDENT INSPECTOR WAS NOTIFIED OF THE UNUSUAL EVENT TERMINATION BY THE  
LICENSEE.

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Power Reactor

Event # 35073

|                                 |                       |  |  |
|---------------------------------|-----------------------|--|--|
| Site: BRUNSWICK                 |                       | Notification Date / Time: 11/23/1998 13:54 (EST) |  |
| Unit: 1 2                       | Region: 2 State : NC  | Event Date / Time: 11/23/1998 13:35 (EST)        |  |
| Reactor Type: [1] GE-4,[2] GE-4 |                       | Last Modification: 11/23/1998                    |  |
| Containment Type: MARK I MARK I |                       |  |  |
| NRC Notified by: MIKE LONG      |                       | Notifications: BRIAN BONSER R2                   |  |
| HQ Ops Officer: DICK JOLLIFFE   |                       | BOB DENNIG, NRR EO                               |  |
| Emergency Class: UNUSUAL EVENT  |                       | GENE CANUPP FEMA                                 |  |
| 10 CFR Section:                 |                       | ROSEMARY HOGAN IRD                               |  |
| 50.72(a)(1)(i)                  | EMERGENCY DECLARED    | FITZSIMMONS/REG 4 EPA                            |  |
| 50.72(b)(1)(i)(B)               | DEVIATION FROM T SPEC | FEMA, DOE, DOA, HHS FAX                          |  |
| 50.72(b)(2)(ii)                 | ESF ACTUATION         | EPA, DOT (VIA NRC) FAX                           |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

- UNUSUAL EVENT DECLARED DUE TO CHLORINE GAS RELEASE -

AT 1335, THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A RELEASE OF AN UNKNOWN QUANTITY OF CHLORINE GAS. THE CHLORINE GAS WAS MIXED WITH SERVICE WATER (SEA WATER) AT THE INTAKE CANAL. THE RELEASE CAUSED THE CONTROL BUILDING VENTILATION SYSTEM TO SHIFT TO THE RECIRCULATION (CHLORINE) MODE. THE SOURCE OF THE CHLORINE RELEASE HAS BEEN ISOLATED. THERE WERE NO PERSONNEL INJURIES. THE WIND IS BLOWING FROM 142°, AND THE WIND SPEED IS 2.75 MILES PER HOUR. BOTH UNITS ARE STABLE AT 100% POWER.

THE LICENSEE INFORMED STATE AND LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR OF THE DECLARATION OF THE UNUSUAL EVENT.

----- UPDATE AT 1458 ON 11/23/98 FROM MARK SCHALL TO TROCINE -----

THE LICENSEE PROVIDED THIS UPDATE TO NOTIFY THE NRC OF THE NEED TO ADD THE FOLLOWING TWO REPORTING CRITERIA: 10 CFR 50.72(b)(1)(i)(B), TECHNICAL SPECIFICATION DEVIATION IN ACCORDANCE WITH 10 CFR 50.54(x) DUE TO THE INABILITY TO COMPLETE FIRE WATCHES ON SCHEDULE, AND 10 CFR 50.72(b)(2)(ii), ENGINEERED SAFETY FEATURE ACTUATION DUE TO THE CONTROL BUILDING VENTILATION SYSTEM ISOLATION. THE LICENSEE STATED THAT THE EVENT TIME FOR THESE ISSUES WAS 1400.

THE FOLLOWING TEXT IS A PORTION OF A FACSIMILE RECEIVED FROM THE LICENSEE:

"AT 1330, A CHLORINE AND SERVICE WATER [SYSTEM] LEAK RESULTED IN AN ISOLATION OF THE CONTROL BUILDING VENTILATION SYSTEM. [AT 1335,] AN UNUSUAL EVENT WAS DECLARED IN ACCORDANCE WITH THE SITE EMERGENCY PROCEDURES. IMMEDIATE NOTIFICATIONS WERE MADE. DUE TO THE CHLORINE/SERVICE WATER LEAK, FIRE WATCHES DUE TO BE PERFORMED COULD NOT BE COMPLETED ON SCHEDULE."

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Event # 35073

"INITIAL SAFETY SIGNIFICANCE EVALUATION: MINIMAL. A PRECAUTIONARY RELOCATION OF SITE PERSONNEL WAS PERFORMED, AND ALL PERSONNEL ARE ACCOUNTED FOR. NO INJURIES HAVE OCCURRED. THE CHLORINE LEAK HAS BEEN ISOLATED."

"CORRECTIVE ACTION(S): [THE LICENSEE PLANS TO] REPAIR THE CHLORINE/SERVICE WATER LEAK [AND TO] COMPLETE [THE] SCHEDULED FIRE WATCHES WHEN [THE] CHLORINE [HAS] CLEARED."

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR . THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (BONSER), NRR EO (DENNIG), AND AEOD IRD (HOGAN).

----- UPDATE AT 1510 ON 11/23/98 FROM MICHAEL LONG TO TROCINE -----

THE FOLLOWING TEXT IS A PORTION OF A FACSIMILE RECEIVED FROM THE LICENSEE:

"THE CHLORINE LEAK HAS BEEN ISOLATED, AND THE CHLORINE IS DISPERSING. A PRECAUTIONARY RELOCATION OF SITE PERSONNEL WAS PERFORMED, AND ALL PERSONNEL HAVE BEEN ACCOUNTED FOR. AFTER LOCAL SURVEYS ARE PERFORMED, UNRESTRICTED ACCESS WILL BE RESTORED TO PLANT ACCESS AREAS. AN OFFSITE RELEASE OF SIGNIFICANT CHLORINE GAS HAS NOT OCCURRED. NO INJURIES HAVE OCCURRED."

THE WIND IS BLOWING FROM 117° AT A SPEED OF 2.7 MILES PER HOUR, AND THERE ARE NO RECOMMENDED PROTECTIVE ACTIONS.

THE SOURCE OF THE LEAK WAS DETERMINED TO BE A LINE BREAK IN THE CHLORINE AND SERVICE WATER SYSTEM.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AS WELL AS APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (BONSER), NRR EO (DENNIG), AND AEOD IRD (HOGAN).

----- UPDATE AT 1545 ON 11/23/98 FROM MICHAEL LONG AND MARK SCHALL TO TROCINE -----

THE FOLLOWING TEXT IS A PORTION OF A FACSIMILE RECEIVED FROM THE LICENSEE:

"THE CHLORINE HAS DISPERSED. CHLORINE SURVEYS ARE UNDERWAY, AND ALL AREAS CHECKED HAVE BEEN CLEAR. ONE BUILDING REMAIN[S] TO BE SURVEYED. WHEN SURVEYS ARE COMPLETE, UNRESTRICTED ACCESS WILL BE RESTORED."

THE WIND IS BLOWING FROM 137° AT A SPEED OF 3.7 MILES PER HOUR, AND THERE ARE NO RECOMMENDED PROTECTIVE ACTIONS.

DURING THIS UPDATE NOTIFICATION, THE LICENSEE STATED THAT THE CHLORINE SURVEYS HAD BEEN COMPLETED AND THAT UNRESTRICTED ACCESS WAS BEING RESTORED. BECAUSE OF THE LOCATION OF THE LEAK, THE LICENSEE PLANS TO MAINTAIN RESTRICTED ACCESS TO THE CHLORINATION BUILDING.

THE LICENSEE PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR AS WELL AS APPLICABLE STATE AND LOCAL AGENCIES. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (BONSER), NRR EO (DENNIG), AND AEOD IRD (HOGAN).

----- UPDATE AT 1611 ON 11/23/98 FROM MICHAEL LONG TO TROCINE -----

Power Reactor

Event # 35073

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 1556.

THE LICENSEE NOTIFIED THE APPLICABLE STATE AND LOCAL AGENCIES AND PLANS TO NOTIFY THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (BONSER), NRR EO (DENNIG), AEOD IRD (HOGAN), FEMA (CANUPP), AND EPA REGION 4 (FITZSIMMONS). THE FOLLOWING FEDERAL AGENCIES WERE ALSO NOTIFIED BY FACSIMILE: FEDERAL EMERGENCY MANAGEMENT AGENCY, DEPARTMENT OF ENERGY, DEPARTMENT OF AGRICULTURE, DEPARTMENT OF HEALTH AND HUMAN SERVICES, ENVIRONMENTAL PROTECTION AGENCY, DEPARTMENT OF TRANSPORTATION (VIA THE NATIONAL RESPONSE CENTER).

----- UPDATE AT 1655 ON 11/23/98 FROM MARK SCHALL TO TROCINE -----

THE LICENSEE CALLED TO CONFIRM THAT A PRESS RELEASE WAS NOT PLANNED.

THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (BONSER).

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Power Reactor

Event # 35124

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SALEM                         |           | Notification Date / Time: 12/08/1998 18:22 (EST) |   |
| Unit: 2                             | Region: 1 | State : NJ                                       | Event Date / Time: 12/08/1998 17:38 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 12/08/1998                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: G. JACKSON         |           | Notifications: JOHN ROGGE R1                     |   |
| HQ Ops Officer: JOHN MacKINNON      |           | WILLIAM BECKNER NRR                              |   |
| Emergency Class: UNUSUAL EVENT      |           | BOB CALDWELL FEMA                                |   |
| 10 CFR Section:                     |           | STU RUBIN IRD                                    |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | TIM MARTIN AEOD                                  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 2    | N          | No      | 0          | Hot Shutdown    | 0          | Hot Shutdown    |

## EXCESSIVE REACTOR COOLANT LEAKAGE

While heating the reactor coolant system with four reactor coolant pumps after a maintenance outage, pressurizer level decreased from 26 % to 14.7 % before the letdown system isolated a loss of primary coolant on a LOW PRESSURIZER LEVEL signal of 17%. The Residual Heat Removal system was being terminated from service and plant employees were inside containment when a drop in pressurizer level was seen. Plant employees inside containment saw steam at the lower elevation (78') of the containment where the letdown lines and the charging lines are located. The plant employees immediately exited containment without harm to themselves. Abnormal operating procedure for a loss of coolant was entered and was exited after the plant was stabilized. The initial reactor coolant system temperature was 330 °F with reactor coolant pressure at 365 psig. Currently pressurizer level is 43 % and rising with reactor coolant temperature at 312 °F and reactor coolant system pressure at 310 psig. The licensee is investigating the loss of coolant accident. The licensee notified the state and local county of the Unusual Event declaration.

The NRC Resident Inspector was notified of this event by the licensee.

\*\*\* UPDATE ON 12/08/98 AT 2042 EST BY J. STEVEN TAKEN BY MacKINNON \*\*\*

Unusual Event was terminated at 2037 EST because of stable plant conditions. R1DO (Rogge), NRR EO (Beckner), IRD Manager (Stu Rubin), & FEMA (Ciboch) notified.

The NRC Resident Inspector was notified of this update by the licensee.

SEE EVENT #35127 FOR MORE INFORMATION ON THIS EVENT.

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Power Reactor

Event # 35215

|  |                   |                  |                   |   |                   |  |
|--|-------------------|------------------|-------------------|---|-------------------|--|
| <b>Site:</b> PRAIRIE ISLAND                |                   |                  |                   | <b>Notification Date / Time:</b> 01/05/1999 15:12 (EST) |                   |  |
| <b>Unit:</b> 1                             |                   | <b>Region:</b> 3 |                   | <b>State :</b> MN                                       |                   | <b>Event Date / Time:</b> 01/05/1999 13:40 (CST) |
| <b>Reactor Type:</b> [1] W-2-LP,[2] W-2-LP |                   |                  |                   | <b>Last Modification:</b> 01/05/1999                    |                   |  |
| <b>Containment Type:</b> DRY AMB DRY AMB   |                   |                  |                   |   |                   |  |
| <b>NRC Notified by:</b> TIM BORGEN         |                   |                  |                   | <b>Notifications:</b> BRENT CLAYTON R3                  |                   |  |
| <b>HQ Ops Officer:</b> LEIGH TROCINE       |                   |                  |                   | CHRIS GRIMES, NRR EO                                    |                   |  |
| <b>Emergency Class:</b> UNUSUAL EVENT      |                   |                  |                   | JOSEPH GITTER, AEOD IRD                                 |                   |  |
| <b>10 CFR Section:</b>                     |                   |                  |                   | JOHN HANNON, NRR EO                                     |                   |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED          |                   |                  |                   | WAYNE STORE FEMA  |                   |  |
| 50.72(b)(2)(ii) RPS ACTUATION              |                   |                  |                   |   |                   |  |
| 50.72(b)(2)(ii) ESF ACTUATION              |                   |                  |                   |   |                   |  |
| <b>Unit</b>                                | <b>Scram Code</b> | <b>RX Crit</b>   | <b>Init Power</b> | <b>Initial RX Mode</b>                                  | <b>Curr Power</b> | <b>Current RX Mode</b>                           |
| 1  | A/R               | Yes              | 100               | Power Operation   | 0                 | Hot Shutdown                                     |

# UNUSUAL EVENT, AUTOMATIC REACTOR TRIP, AND PARTIAL LOSS OF OFFSITE POWER DUE TO AN EXPLOSION OF A STATION AUXILIARY TRANSFORMER

At 1311 CST, a Unit 1 automatic reactor trip occurred due to an explosion of the '1M' station auxiliary transformer. The licensee's fire brigade responded to the subsequent fire and extinguished the fire within several minutes. The '1R' reserve transformer (which is located next to the '1M' transformer) was also lost possibly due to its proximity to the explosion. The loss of both the '1M' and 1R' transformers (which are located outside of the main turbine building) caused the loss of non-safeguards buses 11, 12, 13, and 14. This in turn caused the loss of all condensate and feedwater pumps, circulating water pumps, and reactor coolant pumps. Auxiliary feedwater automatically initiated as required. All Unit 1 safeguards buses remained energized from normal offsite power. All rods fully inserted upon receipt of the reactor trip. There were three first out indicators (low-low steam generator pressure on the 11 steam generator, steam generator low-low level on the 12 steam generator, and high flux rate trip), and the exact causes of the reactor trip and transformer explosion are currently under investigation. There were no emergency core cooling system actuations, and none were expected. All systems functioned as required, and there were no personnel injuries.

Unit 1 is currently stable in Hot Shutdown. Normal charging and letdown, auxiliary spray and one pressurizer heater, and natural circulation are being used to maintain primary system inventory, pressure, and transport control. Auxiliary feedwater is supplying water to the steam generators, and secondary steam is being dumped to atmosphere. There is no indication of steam generator tube leakage. Efforts are currently underway to restore power to non-safeguards buses 13 and 14.

Unit 2 was unaffected by this event. It is currently operating at 60% reactor power following performance of an outage, and power ascension is in progress.

At 1340 CST, the licensee declared a Notification of Unusual Event due to conditions warranting increased awareness by the plant operations staff. This was later revised to be conditions hazardous to plant operations (near or onsite explosion). The licensee currently plans to terminate the Unusual Event when one reactor coolant

Power Reactor  
pump has been returned to service.

Event # 35215

The licensee notified the NRC resident inspector as well as the applicable state and local agencies. The licensee may also issue a press release.

\*\*\*\*\* UPDATE AT 1953 EST ON 01/05/99 FROM TIM BORGES TO TROCINE \*\*\*\*\*

The licensee terminated the Unusual Event at 1843 CST. Unit 1 is currently in a stable condition meeting all technical specification requirements. Power has been restored to the 11, 12, 13, and 14, non-safeguards buses via back feed from the '2R' transformer. The 12 reactor coolant pump was started at 1835 CST, and the licensee plans to start the 11 reactor coolant pump within a few minutes. The circulating pumps were restored to service several hours ago, and the licensee plans to restore condensate pumps shortly.

The licensee notified the NRC resident inspector and plans to notify the applicable state and local agencies. The licensee may also issue a press release tomorrow. The NRC Operations Officer notified the R3DO (Clayton), NRR EO (Hannon), AEOD IRD (Giitter), and FEMA (Ken Ciboch).

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Power Reactor

Event # 35224

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: CLINTON                     |                      | Notification Date / Time: 01/06/1999 15:26 (EST) |  |
| Unit: 1                           | Region: 3 State : IL | Event Date / Time: 01/06/1999 13:45 (CST)        |  |
| Reactor Type: [1] GE-6            |                      | Last Modification: 01/07/1999                    |  |
| Containment Type: MARK III        |                      |  |  |
| NRC Notified by: DAVID WARD       |                      | Notifications: BRENT CLAYTON R3                  |  |
| HQ Ops Officer: LEIGH TROCINE     |                      | JOHN STOLZ, NRR EO                               |  |
| Emergency Class: UNUSUAL EVENT    |                      | JOSEPH GITTER, AEOD IRD                          |  |
| 10 CFR Section:                   |                      | GENE CANUPP FEMA                                 |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |
| 50.72(b)(2)(ii) ESF ACTUATION     |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Cold Shutdown   | 0          | Cold Shutdown   |

# UNUSUAL EVENT DUE TO A LOSS OF OFFSITE POWER TO THE EMERGENCY BUSES WHILE IN COLD SHUTDOWN

At 1319 CST on 01/06/98, there was a loss of the 138-kV line supplying power to the emergency reserve auxiliary transformer (ERAT) while the reserve auxiliary transformer (RAT) was tagged/switched out of service due to ongoing plant modifications. All three emergency diesel generators automatically started and loaded properly, and they are currently supplying power to the emergency buses. The non-vital buses are being energized via the main power transformer back-feed lineup from the 345-kV source (normal grid). Shutdown cooling is being maintained via the use of reactor water cleanup, and vessel feed is from the control rod drive system. Residual heat removal (RHR) train 'B' was in shutdown cooling prior to this event, and the 'B' RHR pump tripped off when its emergency bus was initially de-energized. The licensee stated that there were no reports of abnormal functions other than the loss of the 138-kV line.

A Notification of Unusual Event was declared at 1345 CST due to the loss of the ERAT and RAT (when no sources of offsite power are available). The licensee's procedures do not specifically address credit for having a back-feed capability. The licensee plans to terminate the Unusual Event when either the ERAT or RAT are returned to service and offsite power is restored to safety systems.

The cause of the loss of the 138-kV line is being investigated, but it is currently believed to be from insulator damage to the 138-kV line near the town of Clinton, Illinois.

The unit has been in an extended shutdown since 09/06/96.

The licensee notified the NRC resident inspector, the State of Illinois, and DeWitt County Sheriff.

\*\*\*\*\* UPDATE AT 1626 EST ON 01/06/99 FROM DAVID WARD TO TROCINE \*\*\*\*\*

The licensee reported that the automatic start of the emergency diesel generators was an engineered safety

Power Reactor

Event # 35224

feature actuation and that the cause of the loss of the 138-kV line had not yet been determined.

Shutdown cooling is still being maintained via the use of reactor water cleanup, and vessel feed is from the control rod drive system. The licensee stated that it would take 72 hours for boiling to occur if shutdown cooling was not available.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Stolz), and AEOD IRD (Giitter).

\*\*\*\*\* UPDATE AT 1717 EST ON 01/06/99 FROM DAVID WARD TO TROCINE \*\*\*\*\*

The 'B' RHR pump was restored to service (in shutdown cooling) at 1600 CST. Reactor water cleanup was running prior to the event, and remained in service to provide an alternate means of shutdown cooling.

The licensee plans to issue a press release and plans to notify the NRC resident inspector. The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

\*\*\*\*\* UPDATE AT 1814 EST ON 01/06/99 FROM DAVID WARD TO TROCINE \*\*\*\*\*

The estimated time for restoration of RAT power is approximately 1800 CST, and the estimated time for exiting the Unusual Event is approximately 2100 CST.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

\*\*\*\*\* UPDATE AT 1916 EST ON 01/06/99 FROM DAVID WARD TO TROCINE \*\*\*\*\*

Offsite power was restored to the RAT at approximately 1750 CST, but it is not yet supplying vital loads. Vital loads are still being supplied via the emergency diesel generators. The estimated time for exiting the Unusual Event is still approximately 2100 CST. Spent fuel pool cooling was maintained throughout this event.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

\*\*\*\*\* UPDATE AT 2016 EST ON 01/06/99 FROM MAXWELL KIER TO TROCINE \*\*\*\*\*

Vital loads are still being supplied via the emergency diesel generators. The licensee currently expects the RAT to supply vital loads at approximately 2100 CST. The estimated time for exiting the Unusual Event is still approximately 2100 CST.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

\*\*\*\*\* UPDATE AT 2116 EST ON 01/06/99 FROM MAXWELL KIER TO TROCINE \*\*\*\*\*

The cause of the loss of the 138-kV line was determined to be a pole over north of Clinton that shorted a couple of phases. Repairs are in progress, and the estimated time of completion is unknown. The estimated time for exiting the Unusual Event is now approximately 2130 CST.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

\*\*\*\*\* UPDATE AT 2216 EST ON 01/06/99 FROM MAXWELL KIER TO TROCINE \*\*\*\*\*

The licensee is currently swapping emergency buses from the emergency diesel generators to the RAT. The licensee is also in the process of restoring the ERAT to service. Repairs to the 138-kV line are complete. The estimated time for exiting the Unusual Event is still approximately 2130 CST.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

Power Reactor

Event # 35224

\*\*\*\*\* UPDATE AT 2314 EST ON 01/06/99 FROM MAXWELL KIER TO TROCINE \*\*\*\*\*

The root cause of the 138-kV line going down was determined to be down guys on a corner pole where the line taps to Clinton. The guys were possibly severed by a snow plow. This allowed the pole to lean causing the static shield to contact one of the phases.

The division 1 and 2 emergency buses are currently being supplied from the RAT, and the licensee is currently placing the division 3 emergency bus on the RAT. The new estimated time for exiting the Unusual Event is approximately 2245 CST.

The NRC operations officer notified the R3DO (Clayton), NRR EO (Zwolinski), and AEOD IRD (Giitter).

\* \* \* UPDATE 0010 1/7/99 FROM M. KIER TAKEN BY STRANSKY \* \* \*

The UE was terminated at 2306 CST on 1/6/99. One offsite power source has been restored to the emergency busses, and the other offsite source is currently being restored. The NRC resident inspector has been informed of the termination. Notified R3DO (Clayton), EO (Zwolinski).

\*\*\*\*\*

Power Reactor

Event # 35262

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: FITZPATRICK                 |           | Notification Date / Time: 01/14/1999 13:38 (EST) |   |
| Unit: 1                           | Region: 1 | State : NY                                       | Event Date / Time: 01/14/1999 13:11 (EST) |
| Reactor Type: [1] GE-4            |           | Last Modification: 01/14/1999                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: RICK PLASSE      |           | Notifications: CURT COWGILL RI                   |   |
| HQ Ops Officer: STEVE SANDIN      |           | JOHN STOLZ, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | FRANK CONGEL IRO                                 |   |
| 10 CFR Section:                   |           | SULLIVAN FEMA                                    |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| COMM ASST BRIEF                   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO A FIRE LASTING LONGER THAN 15 MINUTES INSIDE THE PROTECTED AREA. (REFER TO EVENT #s 35263 AND 35264 FOR RELATED EVENTS.)

AT 1256 EST, OPERATORS RECEIVED A REPORT OF AN ONGOING FIRE IN THE VICINITY OF THE HYDROGEN TANK FARM AREA APPROXIMATELY 300 FEET WEST OF THE PLANT. THE SOURCE IS A HYDROGEN RELEASE. THE LOCATION OF THE SOURCE HAS NOT BEEN IDENTIFIED. THE LICENSEE EVACUATED PERSONNEL IN THE AREA AND DECLARED AN UNUSUAL EVENT AT 1311 EST DUE TO AN ONGOING FIRE LASTING LONGER THAN 15 MINUTES. OFFSITE FIRE ASSISTANCE WAS REQUESTED FROM THE SCRIBA FIRE DEPARTMENT. ALL PERSONNEL ARE ACCOUNTED FOR WITH ONE KNOWN MINOR INJURY. ALL SAFETY EQUIPMENT IS AVAILABLE. BOTH 115-kV SOURCES OF OFFSITE POWER WERE DEENERGIZED AS A SAFETY PRECAUTION TO ALLOW FIREFIGHTERS' ACCESS. THE LICENSEE IS MAINTAINING ELECTRICAL LOADS ON GENERATOR OUTPUT WITH THE STANDBY EMERGENCY DIESEL GENERATORS RUNNING UNLOADED. THE LICENSEE INFORMED NEW YORK STATE AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 1424 EST ON 01/14/99 \*\*\*

AT 1424 EST, THE NRC ENTERED THE MONITORING PHASE OF NORMAL MODE.

\*\*\* UPDATE AT 1500 EST ON 01/14/99 \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED. THE FOLLOWING NOTIFICATIONS WERE MADE (\* OFFICE DID NOT PARTICIPATE): IRO (CONGEL AND WEINSTEIN); JACKSON (MILLER); DICUS (CHAN); DIAZ (HSIA); McGAFFIGAN (BEALL); MERRIFIELD (McCABE); EDO (HILTZ); DEDE (MITCHELL\*); NRR EO (STOLZ); R1DO (COWGILL); PAO (GILLILAND); CAO (MADDEN); SECY (BATES); SP (LARKINS); IP (FAULKNER); BRIEFER (COWGILL); SRI (RASMUSSEN); AND NRR (BAWA, WONG, LONG, AND CONNELL).

Power Reactor

Event # 35262

\*\*\* UPDATE AT 1730 EST ON 01/14/99 \*\*\*

A COMMISSIONERS' ASSISTANTS BRIEFING WAS CONDUCTED. THE FOLLOWING NOTIFICATIONS WERE MADE: IRO (CONGEL), JACKSON (MILLER), DICUS (CHAN), DIAZ (HSIA), McGAFFIGAN (BEALL), MERRIFIELD (McCABE), EDO (HILTZ), BRIEFER (COWGILL), SRI (RASMUSSEN), AND NRR (BAWA AND WILLIAM).

\*\*\* UPDATE AT 2111 EST ON 01/14/99 FROM TOM KERR TO FANGIE JONES \*\*\*

THE LICENSEE TERMINATED THE UNUSUAL EVENT AT 2105 EST. THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE AT 2120 EST ON 01/14/99 \*\*\*

THE NRC EXITED THE MONITORING PHASE OF NORMAL MODE AT 2108 EST. THE NRC OPERATIONS OFFICER NOTIFIED THE NRR EO (BOGER), IRO (CONGEL), AND FEMA (CANUPP).

\*\*\*\*\*

Power Reactor

Event # 35263

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: NINE MILE POINT             |           | Notification Date / Time: 01/14/1999 14:23 (EST) |   |
| Unit: 1                           | Region: 1 | State : NY                                       | Event Date / Time: 01/14/1999 13:47 (EST) |
| Reactor Type: [1] GE-2,[2] GE-5   |           | Last Modification: 01/14/1999                    |   |
| Containment Type: MARK I MARK II  |           |  |   |
| NRC Notified by: REVETTE          |           | Notifications: GENE KELLY R1                     |   |
| HQ Ops Officer: CHAUNCEY GOULD    |           | JOHN STOLZ, NRR EO                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CIBOCH FEMA                                      |   |
| 10 CFR Section:                   |           | FRANK CONGEL IRO                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO PLANT'S PROXIMITY TO A HYDROGEN FIRE AT FITZPATRICK. (REFER TO EVENT #s 35262 AND 35264 FOR RELATED EVENTS.)

THE LICENSEE IS DOING A PRECAUTIONARY STAFFING OF ITS TECHNICAL SUPPORT CENTER DUE TO THE FIRE AT FITZPATRICK.

THE LICENSEE HAS NOTIFIED THE NRC RESIDENT INSPECTOR AS WELL AS STATE, LOCAL, AND OTHER AGENCIES. THERE WILL BE NO PRESS RELEASE.

\*\*\* UPDATE AT 2139 EST ON 01/14/99 FROM STAN LUCAS TO S.SANDIN \*\*\*

UNIT 1 EXITED THE UNUSUAL EVENT AT 2125 EST BASED ON TERMINATION OF THE FITZPATRICK UNUSUAL EVENT.

THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED R1DO (KELLY), NRR EO (BOGER), IRO (CONGEL), AND FEMA (STEINDURF).

\*\*\*\*\*

Power Reactor

Event # 35264

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: NINE MILE POINT             |            |           |            | Notification Date / Time: 01/14/1999 14:23 (EST) |            |   |
| Unit: 2                           |            | Region: 1 |            | State : NY                                       |            | Event Date / Time: 01/14/1999 13:47 (EST) |
| Reactor Type: [1] GE-2,[2] GE-5   |            |           |            | Last Modification: 01/14/1999                    |            |   |
| Containment Type: MARK I MARK II  |            |           |            |  |            |   |
| NRC Notified by: WEAVER           |            |           |            | Notifications: GENE KELLY R1                     |            |   |
| HQ Ops Officer: CHAUNCEY GOULD    |            |           |            | JOHN STOLZ, NRR EO                               |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | CIBOCH FEMA                                      |            |   |
| 10 CFR Section:                   |            |           |            | FRANK CONGEL IRD                                 |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                 | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

THE LICENSEE DECLARED AN UNUSUAL EVENT DUE TO PLANT'S PROXIMITY TO A HYDROGEN FIRE AT FITZPATRICK. (REFER TO EVENT #s 35262 AND 35263 FOR RELATED EVENTS.)

THE LICENSEE IS EVACUATING PERSONNEL FROM ITS BUILDINGS LOCATED ON THE EAST SIDE OF THE SITE OUTSIDE THE PROTECTED AREA FENCE. THESE BUILDINGS WERE APPROXIMATELY SEVERAL HUNDRED YARDS FROM THE FIRE SITE. THIS ACTION WAS RECOMMENDED BY A LOCAL OFFICIAL BASED ON THE FIRE AT THE FITZPATRICK SITE WHICH BORDERS NINE MILE POINT'S EAST BOUNDARY. IT IS REPORTED THAT HYDROGEN WILL BE VENTED FOR SEVERAL HOURS. WIND DIRECTION IS FROM FITZPATRICK SITE TOWARDS NINE MILE POINT.

THE NRC RESIDENT INSPECTOR WAS NOTIFIED ALONG WITH STATE, LOCAL, AND OTHER GOVERNMENT AGENCIES. THE LICENSEE PLANS TO ISSUE A PRESS RELEASE.

\*\*\* UPDATE AT 2139 EST ON 01/14/99 FROM STAN LUCAS TO S.SANDIN \*\*\*

UNIT 2 EXITED THE UNUSUAL EVENT AT 2125 EST BASED ON TERMINATION OF THE FITZPATRICK UNUSUAL EVENT.

THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R1DO (KELLY), NRR EO (BOGER), IRO (CONGEL) AND FEMA (STEINDURF).

\*\*\*\*\*

Power Reactor

Event # 35280

|                                     |           |  |  |
|-------------------------------------|-----------|--|--|
| Site: BRAIDWOOD                     |           | Notification Date / Time: 01/18/1999 21:46 (EST) |  |
| Unit: 1                             | Region: 3 | Event Date / Time: 01/18/1999 20:17 (CST)        |  |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |           | Last Modification: 01/19/1999                    |  |
| Containment Type: DRY AMB DRY AMB   |           |  |  |
| NRC Notified by: CARL MOORE         |           | Notifications: JIM GAVULA R3                     |  |
| HQ Ops Officer: DOUG WEAVER         |           | BRUCE BOGER NRR                                  |  |
| Emergency Class: UNUSUAL EVENT      |           | FRANK CONGEL IRD                                 |  |
| 10 CFR Section:                     |           | SULLIVAN FEMA                                    |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT - LOSS OF APPROXIMATELY 50% OF CONTROL ROOM ANNUNCIATORS

"Loss of redundant Annunciator Power Supplies has rendered a substantial number of safety related annunciators inoperable. This required a GSEP notification - Unusual Event, (MU-6 - Loss of Annunciators for >= 15 minutes). Backup indications are available and increased main control board monitoring has been implemented."

The licensee has called in additional personnel to help with the increased monitoring. Troubleshooting on the power supplies is in progress. The NRC resident inspector has been notified.

\*\*\* UPDATE ON 01/19/99 @ 0539 BY RAUSH TO GOULD \*\*\*

THE PLANT TERMINATED THE NOUE AT 0407 WHEN TESTING VERIFIED THE SYSTEMS WERE FULLY OPERATIONAL. THE CAUSE OF THE POWER SUPPLY FAILURE WAS DUE TO A GROUND WHICH HAS BEEN REPAIRED. BOTH BACKUP AND MAIN POWER SUPPLY HAVE BEEN RETURNED TO SERVICE.

THE NRC RESIDENT INSPECTOR AND THE STATE WAS NOTIFIED.

THE REG 3 RDO(GAVULA) AND THE EO( BOGER )WERE NOTIFIED ALONG WITH FEMA (WRIGHT).

\*\*\*\*\*

Power Reactor

Event # 35286

|                                     |            |  |            |                 |            |                 |
|-------------------------------------|------------|--|------------|-----------------|------------|-----------------|
| Site: BRAIDWOOD                     |            | Notification Date / Time: 01/20/1999 13:00 (EST) |            |                 |            |                 |
| Unit: 1                             | Region: 3  | Event Date / Time: 01/20/1999 11:22 (CST)        |            |                 |            |                 |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            | Last Modification: 01/21/1999                    |            |                 |            |                 |
| Containment Type: DRY AMB DRY AMB   |            |  |            |                 |            |                 |
| NRC Notified by: BOB NORK           |            | Notifications: ROGER LANKSBURY R3                |            |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER         |            | ED GOODWIN NRR                                   |            |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | ROSEMARY HOGAN IRO                               |            |                 |            |                 |
| 10 CFR Section:                     |            | CANUPP FEMA                                      |            |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |            |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                   | N          | Yes  | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT - LOSS OF APPROXIMATELY 50% OF CONTROL ROOM ANNUNCIATORS

"Loss of redundant ANNUNCIATOR Power Supplies has rendered a substantial number of safety related annunciators inoperable. This required a GSEP notification - Unusual Event, (MU-6 - Loss of Annunciators for >= 15 minutes). Backup indications are available and increased main control board monitoring has been implemented."

The licensee has notified the NRC resident inspector.

Event #35280 involved the same equipment.

\*\*\*UPDATE on 01/21/99 at 1450 ET by Dave Kruck taken by MacKinnon\*\*\*\*

Unusual Event terminated at 1311 CT. The annunciator system is functional. The root cause for the failure had not been completed at the time of this event update notification. Troubleshooting and repairs of the annunciator system are continuing. R3DO (Lanksbury), NRR EO (Dennig), & FEMA (Canupp) notified.

The NRC resident inspector was been notified of this event update by the licensee.

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Power Reactor

Event # 35336

|  |            |           |            |  |            |   |
|--|------------|-----------|------------|--|------------|---|
| Site: SAN ONOFRE                       |            |           |            | Notification Date / Time: 02/01/1999 13:30 (EST) |            |   |
| Unit: 2                                |            | Region: 4 |            | State : CA                                       |            | Event Date / Time: 02/01/1999 10:09 (PST) |
| Reactor Type: [1] W-3-LP,[2] CE,[3] CE |            |           |            | Last Modification: 02/01/1999                    |            |   |
| Containment Type: DRY AMB DRY AMB      |            |           |            |  |            |   |
| NRC Notified by: BOB CONOSCENTI        |            |           |            | Notifications: JEFF SHACKELFORD R4               |            |   |
| HQ Ops Officer: STEVE SANDIN           |            |           |            | ROBERT DENNIG EO                                 |            |   |
| Emergency Class: UNUSUAL EVENT         |            |           |            | STUART RUBIN IRO                                 |            |   |
| 10 CFR Section:                        |            |           |            | GENE CANUPP FEMA                                 |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |           |            |  |            |   |
| Unit                                   | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                      | N          | No        | 0          | Refueling  | 0          | Refueling                                 |

UNIT 2 DECLARED AN UNUSUAL EVENT DUE TO A LOSS OF SHUTDOWN COOLING GREATER THAN 10 MINUTES

MAINTENANCE PERSONNEL WERE PREPARING TO RACK OUT ELECTRICAL BREAKER "2A04-18", WHEN THE BREAKER UNEXPECTEDLY CLOSED. THIS BREAKER, WHICH WAS OUT-OF-SERVICE AT THE TIME, SUPPLIES POWER TO THE 4160 VAC CLASS 1-E BUS "2A04" FROM THE RESERVE AUXILIARY TRANSFORMER. AS A RESULT, AT 1009 PST THE "2A04" BUS DEENERGIZED CAUSING A LOSS OF BOTH THE OPERATING TRAIN "A" SHUTDOWN COOLING PUMP AND THE CROSS-TIED CONTAINMENT SPRAY PUMP "A" WHICH WAS SUPPLYING SPENT FUEL POOL COOLING. THE STANDBY EMERGENCY DIESEL GENERATOR AUTOSTARTED BUT DID NOT CLOSE ONTO THE BUS DUE TO A PROTECTIVE RELAY LOCKOUT. CORE ALTERATIONS WERE SUSPENDED. AT 1014 PST, THE "2A04" BUS WAS REENERGIZED AND AT 1025 PST SHUTDOWN COOLING FLOW WAS RESTORED. DURING THE 16 MINUTES THAT SHUTDOWN COOLING WAS LOST, INDICATED TEMPERATURE AS MEASURED BY TWO (2) SENSORS IN DIFFERENT LOCATIONS INCREASED FROM 72°F TO 74°F AND 77°F TO 80°F, RESPECTIVELY.

UNIT 3 WAS IN THE PROCESS OF VERIFYING OFFSITE POWER SUPPLIES AS REQUIRED BY SURVEILLANCE SINCE THE "2A04" BUS CAN BE CROSS-TIED TO UNIT 3.

THE LICENSEE IS CONDUCTING AN INVESTIGATION TO DETERMINE ROOT CAUSE. UNIT 2 EXITED THE UNUSUAL EVENT AT 1040 PST. THE LICENSEE INFORMED THE STATE AND THE NRC RESIDENT INSPECTOR.

\*\*\*\*\*

Power Reactor

Event # 35340

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: SALEM                         |            |           |            | Notification Date / Time: 02/03/1999 12:06 (EST) |            |   |
| Unit: 2                             |            | Region: 1 |            | State : NJ                                       |            | Event Date / Time: 02/03/1999 11:15 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 02/03/1999                    |            |   |
| Containment Type: DRY AMB DRY AMB   |            |           |            |  |            |   |
| NRC Notified by: DAVID SMITH        |            |           |            | Notifications: JULIAN WILLIAMS R1                |            |   |
| HQ Ops Officer: STEVE SANDIN        |            |           |            | ROBERT DENNIG EO                                 |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | JOSEPH GIITTER IRO                               |            |   |
| 10 CFR Section:                     |            |           |            | WAYNE STORER FEMA                                |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

UNIT 2 ENTERED AN UNUSUAL EVENT DUE TO THE LOSS OF >75% OF THE OVERHEAD ALARM ANNUNCIATORS DUE TO PERSONNEL ERROR.

"MAINTENANCE ACTIVITIES WERE BEING PERFORMED ON THE OVERHEAD ALARM SYSTEM TO REPLACE A BATTERY IN THE 'B' SEQUENCE OF EVENTS RECORDER. THIS ACTIVITY WAS COMPLETED, WHICH THEN REQUIRED THAT DEFAULT DATA BE LOADED INTO THE RECORDER. THIS DEFAULT DATA WAS IMPROPERLY LOADED INTO THE ACTIVE SEQUENCE OF EVENTS RECORDER 'A.' THIS CORRUPTED IT'S DATA WHICH RENDERED THE ENTIRE OVERHEAD ALARM SYSTEM INOPERABLE. THERE ARE NOT PLANT TRANSIENTS IN PROGRESS AND ALTERNATE INDICATIONS FOR THE OVERHEAD ALARM WINDOWS ARE AVAILABLE. ACTIVITIES ARE IN PROGRESS TO RESTORE THE SEQUENCE OF EVENTS RECORDER 'B' WHICH WILL RESTORE THE OPERABILITY OF THE OVERHEAD ALARM SYSTEM. THE ABNORMAL OPERATING PROCEDURE FOR THE LOSS OF OVERHEAD ALARMS HAS BEEN ENTERED AND COMPENSATORY MEASURES ARE IN PLACE THAT PROVIDE ALTERNATE INDICATIONS FOR THE LOSS OF OVERHEAD ALARM CAPABILITY. ALL SAFETY RELATED SYSTEMS AND EQUIPMENT ARE OPERABLE."

THE LICENSEE ESTIMATES APPROXIMATELY 2 HOURS WILL BE REQUIRED TO RESTORE THE OVERHEAD ALARM SYSTEM AT WHICH TIME THEY WILL EXIT THE UNUSUAL EVENT. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 1346 EST ON 2/3/99 FROM SMITH TO S.SANDIN \*\*\*

THE LICENSEE HAS RECOVERED THE "B" SEQUENCE OF EVENTS RECORDER AND IS CURRENTLY RELOADING DATA INTO THE "A" UNIT. THE LICENSEE ESTIMATES THAT BOTH RECORDERS WILL BE RETURNED TO SERVICE BY 1630 EST. THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(WILLIAMS) AND EO(DENNIG).

\*\*\* UPDATE 1547 EST ON 2/3/99 FROM SMITH TO S.SANDIN \*\*\*

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Power Reactor

Event # 35340

UNIT 2 EXITED THE UNUSUAL EVENT AT 1540 EST AFTER VERIFYING THAT BOTH SEQUENCE OF EVENTS RECORDERS AND THE OVERHEAD ANNUNCIATOR ALARM SYSTEM WERE FUNCTIONING PROPERLY. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R1DO(WILLIAMS), EO(DENNIG), IRO(GIITTER) AND FEMA(CALDWELL).

\*\*\*\*\*

Power Reactor

Event # 35736

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: PILGRIM                     |           | Notification Date / Time: 05/18/1999 19:13 (EDT) |   |
| Unit: 1                           | Region: 1 | State : MA                                       | Event Date / Time: 05/18/1999 18:52 (EDT) |
| Reactor Type: [1] GE-3            |           | Last Modification: 05/18/1999                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: ERIC OLSON       |           | Notifications: PETER ESELGROTH R1                |   |
| HQ Ops Officer: STEVE SANDIN      |           | STUART RICHARDS NRR                              |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES MILLER IRO                               |   |
| 10 CFR Section:                   |           | SAM COLLINS NRR                                  |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | JOHN ZWOLINSKI NRR                               |   |
|                                   |           | VICTOR DRICKS OPA                                |   |
|                                   |           | CLIFF ANDERSON R1                                |   |
|                                   |           | DEPUY FEMA                                       |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |

UNUSUAL EVENT DECLARED DUE TO REQUEST FOR OFFSITE FIRE FIGHTING ASSISTANCE TO EXTINGUISH MAIN TRANSFORMER FIRE.

THE UNIT IS CURRENTLY IN A REFUELING OUTAGE WITH FUEL IN THE VESSEL WITH NO FUEL MOVEMENTS IN PROGRESS. DURING HI-POT TESTING OF THE MAIN TRANSFORMER WHICH HAD BEEN DISCONNECTED FROM THE ELECTRICAL DISTRIBUTION SYSTEM, SMOKE ERUPTED AT 1832EDT. THE FIRE BRIGADE RESPONDED AND A REQUEST FOR ASSISTANCE TO THE PLYMOUTH FIRE DEPARTMENT WAS MADE. AT 1852EDT THE LICENSEE DECLARED AN UNUSUAL EVENT BASED ON "ANY FIRE ONSITE FOR WHICH FIRE FIGHTING ASSISTANCE IS REQUESTED." THERE WERE NO INJURIES OR UNACCOUNTED FOR PERSONNEL. PLANT OPERATIONS IS NOT IMPACTED. THE FIRE BRIGADE IS ON SCENE USING CARBON DIOXIDE FOR FIRE SUPPRESSION. LAYDOWN HOSES ARE POSITIONED SHOULD THEY BECOME NECESSARY. THE LICENSEE DESCRIBED THE FIRE AS SMOLDERING WITH NO VISIBLE FLAMES AND WAS NOT ABLE TO PROVIDE A DAMAGE ASSESSMENT AT THIS TIME.

THE LICENSEE CONTACTED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE 2143EDT ON 5/18/99 FROM MIKE ENGLAND TO S.SANDIN \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 2125EDT AFTER VERIFYING THAT THE FIRE WAS EXTINGUISHED. THE FIRE DEPARTMENT IS EXITING THE SITE. THE LICENSEE IS PERFORMING A DAMAGE ASSESSMENT AT THIS TIME AND HAS INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R1(ESELGROTH, ANDERSON), NRR(RICHARDS) AND IRO(MILLER) AND FEMA (DEPUY).

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Power Reactor

Event # 35861

|                                     |            |  |   |                 |            |                 |
|-------------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: FERMI                         |            | Notification Date / Time: 06/25/1999 15:23 (EDT) |   |                 |            |                 |
| Unit: 2                             | Region: 3  | State : MI                                       | Event Date / Time: 06/25/1999 14:30 (EDT) |                 |            |                 |
| Reactor Type: [2] GE-4              |            | Last Modification: 06/25/1999                    |   |                 |            |                 |
| Containment Type: MARK I            |            |  |   |                 |            |                 |
| NRC Notified by: STEVE MAREK        |            | Notifications: MIKE JORDAN R3                    |   |                 |            |                 |
| HQ Ops Officer: BOB STRANSKY        |            | ROBERT DENNIG NRR                                |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT      |            | JOSEPH GIITTER IRO                               |   |                 |            |                 |
| 10 CFR Section:                     |            | CANUPP FEMA                                      |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) ENS INOPERABLE       |            |  |   |                 |            |                 |
| 50.72(b)(1)(v) OTHER ASMT/COMM INOP |            |  |   |                 |            |                 |
| Unit                                | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                   | N          | Yes  | 97  | Power Operation | 97         | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO LOSS OF TELEPHONE SERVICE

"At 1430, Fermi 2 determined that the Emergency Notification System (ENS) phones were not available. The local telephone company notified Fermi 2 that an offsite fiber optic cable was cut. Additionally, local phone service to Monroe County, including the Monroe County Sheriffs Department is unavailable. Security radio communication to the Monroe County Sheriff is available and has been verified. RERP phone service to locations outside Monroe County is available.

"This report is being made in accordance with 10CFR50.72(b)(1)(v), as an event that results in a major loss of emergency response assessment capability, or communications capability.

"At 1508, an Unusual Event was declared due to notification that the Emergency Call Out System (ECOS) may also be impaired, due to the loss of local phones."

The NRC resident inspector has been informed of this notification.

\*\*\* UPDATE 1844 6/25/99 FROM MAREK TAKEN BY STRANSKY \*\*\*

The Unusual Event was terminated at 1838 after the ENS and offsite telephone service were restored. The licensee will inform the NRC resident inspector of this update. Notified R3DO(Jordan), NRR EO (Hannon), FEMA (Sullivan).

\*\*\*\*\*

Power Reactor

Event # 35892

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: TROJAN                      |            | Notification Date / Time: 07/02/1999 22:55 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 4  | State : OR                                       | Event Date / Time: 07/02/1999 18:43 (PDT) |                 |            |                 |
| Reactor Type: [1] W-4-LP          |            | Last Modification: 07/02/1999                    |   |                 |            |                 |
| Containment Type:                 |            |  |   |                 |            |                 |
| NRC Notified by: KARL OBERLOH     |            | Notifications: LINDA SMITH R4                    |   |                 |            |                 |
| HQ Ops Officer: DICK JOLLIFFE     |            | LEDYARD (TAD) MARSH NRR                          |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | BUTCH STINEDURF FEMA                             |   |                 |            |                 |
| 10 CFR Section:                   |            | JOSEPH GIITTER IRO                               |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | N          | No   | 0   | Decommissioned  | 0          | Decommissioned  |

- 5.0 EARTHQUAKE FELT ONSITE AT TROJAN; NO DAMAGE TO PLANT COMPONENTS OR SYSTEMS -

AT 1843 PDT ON 07/02/99, AN EARTHQUAKE, MEASURING 5.0 ON THE RICHTER SCALE, OCCURRED AT THE GREY HARBOR AREA OF WASHINGTON STATE, APPROXIMATELY 50 - 60 MILES SOUTHWEST OF SEATTLE, WA.

TROJAN, WHICH IS LOCATED APPROXIMATELY 70 - 80 MILES FROM THE EPICENTER, REPORTED THAT THE EARTHQUAKE WAS FELT ONSITE AND THAT THERE WAS NO DAMAGE TO PLANT COMPONENTS OR SYSTEMS.

TROJAN IS DECOMMISSIONED BUT STILL HAS SPENT FUEL IN THEIR SPENT FUEL POOL.

AT 1905 PDT, THE LICENSEE DECLARED AND TERMINATED AN UNUSUAL EVENT DUE TO THE EARTHQUAKE BEING FELT ONSITE AND NOTIFIED STATE AND LOCAL OFFICIALS.

\*\*\*\*\*

Power Reactor

Event # 35916

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: GINNA                       |           | Notification Date / Time: 07/13/1999 13:40 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NY                                       | Event Date / Time: 07/13/1999 13:00 (EDT) |
| Reactor Type: [1] W-2-LP          |           | Last Modification: 07/13/1999                    |   |
| Containment Type: DRY AMB         |           |  |   |
| NRC Notified by: DAVID O'DONNELL  |           | Notifications: JOHN WHITE R1                     |   |
| HQ Ops Officer: BOB STRANSKY      |           | CHRIS GRIMES NRR                                 |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES MILLER IRO                               |   |
| 10 CFR Section:                   |           | KEN SWEETZER FEMA                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO FIRE IN AUXILIARY BUILDING

The licensee declared an Unusual Event due to a fire in the waste evaporator feed tank room lasting longer than 10 minutes. While removing abandoned equipment from the room, welders inadvertently set fire to a temporary ventilation filter. No safety equipment was damaged, and no personnel injuries occurred as a result of the fire.

The fire was declared to be extinguished at 1340 EDT. The licensee is currently performing radiological surveys of the auxiliary building. A press release may be made regarding this event. The NRC resident inspector has been informed of this notification.

\*\*\* UPDATE 1417 FROM O'DONNELL TAKEN BY POERTNER \*\*\*

The Unusual Event was terminated at 1415. Notified R1DO (White), NRR (Grimes), FEMA (Sweetzer).

\*\*\*\*\*

Power Reactor

Event # 36080

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: FT CALHOUN                  |                      | Notification Date / Time: 08/27/1999 14:30 (EDT) |  |
| Unit: 1                           | Region: 4 State : NE | Event Date / Time: 08/27/1999 12:35 (CDT)        |  |
| Reactor Type: [1] CE              |                      | Last Modification: 08/27/1999                    |  |
| Containment Type: DRY AMB         |                      |  |  |
| NRC Notified by: MATT POHL        |                      | Notifications: PHIL HARRELL R4                   |  |
| HQ Ops Officer: STEVE SANDIN      |                      | JIM LYONS NRR                                    |  |
| Emergency Class: UNUSUAL EVENT    |                      | FRANK CONGEL IRO                                 |  |
| 10 CFR Section:                   |                      | ERIC WEINSTEIN RCT                               |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      | JOE DAVIS EPA                                    |  |
|                                   |                      | BERNICE CARR FEMA                                |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO AN ON-GOING CHEMICAL RELEASE FROM AN OFFSITE CHEMICAL FACILITY.

"FT. CALHOUN HAS DECLARED A [NOTIFICATION OF UNUSUAL EVENT (NOUE)] PER [EMERGENCY ACTION LEVEL (EAL)] 11.1 DUE TO AN ON-GOING CHEMICAL RELEASE AT THE CARGILL FACILITY WHICH IS AN OFFSITE PLANT. THE CHEMICAL RELEASE IS A MIXTURE OF SODIUM HYPOCHLORATE AND UREA AMMONIUM NITRATE WHICH WERE INADVERTENTLY COMBINED. SITE PERSONNEL AT FT. CALHOUN ARE NOT AT JEOPARDY AT THIS TIME. HOWEVER, THE POTENTIAL FOR PERSONNEL HAZARD EXISTS IF THE WIND WERE TO CHANGE DIRECTION. CURRENTLY, THERE IS NO IMPACT ON STATION OPERATION."

THE CARGILL CHEMICAL FACILITY NOTIFIED FT. CALHOUN OF THE CHEMICAL RELEASE AT 1210CDT, AND THE LICENSEE DECLARED THE NOUE AT 1235CDT.

THE CARGILL CHEMICAL FACILITY IS LOCATED APPROXIMATELY 1/2 MILE NORTH OF THE SITE. CURRENT WIND DIRECTION AND SPEED IS SOUTH TO NORTH AT 3 MPH. SEVERAL GASES WERE GENERATED BY AN EXOTHERMIC REACTION INCLUDING CHLORINE. THE QUANTITY OF THE CHEMICAL RELEASE IS UNKNOWN. THE LICENSEE HAS IMPLEMENTED PERIMETER MONITORING WHICH HAS NOT DETECTED ANY ABNORMAL INDICATIONS. LOCAL HAZMAT TEAMS HAVE RESPONDED INCLUDING THE LOCAL FIRE DEPARTMENT. THE LICENSEE IS NOT AWARE OF ANY EVACUATION OR PERIMETERS HAVING BEEN ESTABLISHED.

STATE, LOCAL, AND COUNTY ORGANIZATIONS WERE NOTIFIED. THE NRC RESIDENT INSPECTOR WAS ALSO INFORMED.

AT 1403CDT ON 8/27/99 DURING AN NRC CONFERENCE CALL, THE LICENSEE TERMINATED THE NOUE AFTER RECEIVING NOTIFICATION THAT THE LEAK HAD BEEN TERMINATED.

Power Reactor

Event # 36080

\*\*\* UPDATE AT 1615EDT ON 8/27/99 BY S.SANDIN \*\*\*

ADDITIONAL INFORMATION WAS PROVIDED BY THE ENVIRONMENTAL PROTECTION AGENCY (DAVIS) DURING A FOLLOW-UP BRIEFING. APPROXIMATELY 16,000 LBS OF UREA AMMONIUM NITRATE WAS PUMPED FROM A MISIDENTIFIED RAIL CAR INTO A TANK CONTAINING HYDROCHLORIC ACID. THE RESULTING REACTION PRODUCED "AQUA REGIA" WHICH IS A MIXTURE OF CORROSIVE AND TOXIC GASES [SEE NORTH AMERICAN EMERGENCY RESPONSE GUIDE #157]. ACCORDING TO A PLANT ENGINEER AT CARGILL, THE ERROR OCCURRED AT APPROXIMATELY 1000CDT. A PLUME WAS GENERATED BUT HAD MOSTLY DISSIPATED BEFORE CROSSING THE FACILITY BOUNDARY. THE REACTION CONTINUED FOR ABOUT 1 TO 1-1/2 HOURS. FIFTEEN (15) CARGILL EMPLOYEES WERE TAKEN TO LOCAL MEDICAL FACILITIES FOR OBSERVATION ALTHOUGH ONLY THREE (3) WERE ACTUALLY EXPOSED TO THE MATERIAL. ALL FIFTEEN WERE SUBSEQUENTLY RELEASED. BRIEFING PARTICIPANTS INCLUDED THE R4DO (HARRELL), NRR EO (LYONS), IRO (GIITTER), RCT (WEINSTEIN), FT. CALHOUN (POHL), AND EPA REGION VII BRIEFER (DAVIS).

\*\*\*\*\*

Power Reactor

Event # 36084

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 08/29/1999 17:50 (EDT) |   |
| Unit: 1 2                         | Region: 2 | State : NC                                       | Event Date / Time: 08/29/1999 17:10 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 08/29/1999                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: DAVE JESTER      |           | Notifications: SCOTT SPARKS R2                   |   |
| HQ Ops Officer: STEVE SANDIN      |           | JACK STROSNIDER NRR                              |   |
| Emergency Class: UNUSUAL EVENT    |           | FRANK CONGEL IRO                                 |   |
| 10 CFR Section:                   |           | DAN SULLIVAN FEMA                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

LICENSEE DECLARED AN UNUSUAL EVENT DUE TO THE NATIONAL WEATHER SERVICE ISSUING A HURRICANE WARNING FOR THE AREA. (Refer to event numbers 36086 and 36087 for related events.)

"BRUNSWICK NUCLEAR PLANT HAS DECLARED AN UNUSUAL EVENT DUE TO THE ISSUANCE OF A HURRICANE WARNING FOR THE AREA. PREPARATIONS ARE CURRENTLY UNDERWAY TO SUPPORT HAVING BOTH UNITS IN COLD SHUTDOWN TWO HOURS PRIOR TO HURRICANE WINDS BEING ON-SITE."

THE LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

\*\*\* UPDATE ON 8/30/99 @ 0028 FROM JACOBS TO GOULD \*\*\*

UNIT 1 ENTERED HOT SHUTDOWN AT 2352 ON 8/29/99, AND UNIT 2 ENTERED HOT SHUTDOWN AT 2346 ON 8/29/99. BOTH UNITS WILL BE TAKEN TO COLD SHUTDOWN.

THE NRC RESIDENT INSPECTOR WAS NOTIFIED BY THE LICENSEE. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (SPARKS), R2 IRC (HUFHAM), AND IRO (CONGEL).

\*\*\* UPDATE AT 1051 ON 08/30/99 FROM STEVE KNOTTS TO GOULD \*\*\*

THE HURRICANE WARNING HAS BEEN LIFTED. ACCORDINGLY, THE LICENSEE EXITED THE UNUSUAL EVENT AT 1044 ON 08/30/99. THE EMERGENCY OPERATIONS FACILITY AND TECHNICAL SUPPORT CENTER WERE DEACTIVATED AT 1045. BOTH UNITS ARE CURRENTLY STABLE IN HOT SHUTDOWN. UNIT 1 IS AT 1.5 PSIG, AND UNIT 2 IS AT 37 PSIG. THE LICENSEE PLANS TO PLACE BOTH UNITS IN COLD SHUTDOWN.

THE LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR. THE NRC OPERATIONS OFFICER NOTIFIED THE R2DO (SPARKS), NRR EO (GOODWIN), IRO (CONGEL), AND FEMA (SULLIVAN).

\*\*\*\*\*

Power Reactor

Event # 36107

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: INDIAN POINT                  |            |           |            | Notification Date / Time: 08/31/1999 22:39 (EDT) |            |   |
| Unit: 2                             |            | Region: 1 |            | State : NY                                       |            | Event Date / Time: 08/31/1999 21:55 (EDT) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP |            |           |            | Last Modification: 09/01/1999                    |            |   |
| Containment Type: DRY AMB DRY AMB   |            |           |            |  |            |   |
| NRC Notified by: MARK STUBBLE       |            |           |            | Notifications: JOHN WHITE R1                     |            |   |
| HQ Ops Officer: BOB STRANSKY        |            |           |            | DAVID MATTHEWS NRR                               |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | CHARLES MILLER IRO                               |            |   |
| 10 CFR Section:                     |            |           |            | JOHN ROGGE R1                                    |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            | GENE CANUPP FEMA                                 |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | No        | 0          | Hot Standby                                      | 0          | Hot Standby                               |

## UNUSUAL EVENT DUE TO LOSS OF MOST CONTROL ROOM ANNUNCIATORS

An Unusual Event was declared at 2155 EDT due to an unplanned loss of greater than 75% of the control room safety system annunciators for longer than 15 minutes. The licensee reported that the annunciators are currently inoperable, and that additional panel walkdowns are being performed. The unit is currently stable in Hot Standby following a reactor trip earlier today (see EN 36104). The NRC resident inspector has been informed, and is in the control room.

\*\*\* UPDATE AT 0157 EDT ON 9/1/99 BY MARK STUBBLE TO FANGIE JONES \*\*\*

The plant conditions are improving and the plant is stable in Hot Shutdown. The annunciators have been restored. The previous problem with 480 VAC busses on Event #36104 has been found to be related to the loss of the annunciators. Further evaluation is ongoing and the licensee expects to exit the Unusual Event soon.

The licensee notified the NRC Resident Inspector. The HOO notified the R1DO (John White), NRR EO (David Matthews), and IRO Manager (Charles Miller).

\*\*\* UPDATE AT 0343 EDT ON 9/1/99 BY MARK STUBBLE TO FANGIE JONES \*\*\*

The plant exited the Unusual Event at 0330 EDT, the plant is in normal Hot Shutdown. The licensee has notified the NRC Resident. The HOO notified the R1DO (John White), NRR EO (David Matthews), IRO Manager (Charles Miller), and FEMA (Gene Canupp).

\*\*\*\*\*

Power Reactor

Event # 36133

|                                   |                      |  |  |
|-----------------------------------|----------------------|--|--|
| Site: PALISADES                   |                      | Notification Date / Time: 09/07/1999 16:39 (EDT) |  |
| Unit: 1                           | Region: 3 State : MI | Event Date / Time: 09/07/1999 16:25 (EDT)        |  |
| Reactor Type: [1] CE              |                      | Last Modification: 09/07/1999                    |  |
| Containment Type: DRY AMB         |                      |  |  |
| NRC Notified by: CHARLES BROWN    |                      | Notifications: MONTE PHILLIPS R3                 |  |
| HQ Ops Officer: STEVE SANDIN      |                      | ELINOR ADENSAM NRR                               |  |
| Emergency Class: UNUSUAL EVENT    |                      | CHARLES MILLER IRO                               |  |
| 10 CFR Section:                   |                      | CALDWELL FEMA                                    |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |                      |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO A SIGNIFICANT LOSS OF OFFSITE COMMUNICATION CAPABILITY

THE LICENSEE DECLARED ENTERED AN UNUSUAL EVENT AT 1625 EDT BASED ON A SIGNIFICANT LOSS OF OFFSITE COMMUNICATION CAPABILITY. ALL TERRESTRIAL TELEPHONE LAND LINES ARE UNAVAILABLE THROUGHOUT THE COUNTY DUE TO AN APPARENT LINE CUT. THE LICENSEE HAS ONE (1) FUNCTIONING SATELLITE PHONE AVAILABLE WHICH THEY USED TO NOTIFY THE NRC. THE UNIT IS CURRENTLY STABLE. THE LICENSEE NOTIFIED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTORS.

HOO NOTE: CHECKED WITH D.C. COOK TO VERIFY COMMUNICATIONS. ALSO, PALISADES CAN BE CONTACTED THROUGH THEIR LOAD DISPATCHER USING THE 800 MHZ RADIO.

\*\*\* UPDATE 2033 EDT ON 9/7/99 FROM CHARLES BROWN TO S. SANDIN \*\*\*

THE LICENSEE EXITED THE UNUSUAL EVENT AT 2031 EDT AFTER VERIFYING THAT GTE HAS COMPLETED RESTORATION OF TELECOMMUNICATION SERVICES. THE LICENSEE INFORMED STATE/LOCAL AGENCIES AND THE NRC RESIDENT INSPECTOR. NOTIFIED R3DO (PHILLIPS), NRR EO (ADENSAM), IRO (GIITTER) AND FEMA (SULLIVAN).

\*\*\*\*\*

Power Reactor

Event # 36155

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: TURKEY POINT                  |           | Notification Date / Time: 09/13/1999 17:08 (EDT) |   |
| Unit: 3 4                           | Region: 2 | State : FL                                       | Event Date / Time: 09/13/1999 16:50 (EDT) |
| Reactor Type: [3] W-3-LP,[4] W-3-LP |           | Last Modification: 09/14/1999                    |   |
| Containment Type: DRY AMB DRY AMB   |           |  |   |
| NRC Notified by: MATUSZEWSKI        |           | Notifications: ROBERT HAAG R2                    |   |
| HQ Ops Officer: JOHN MacKINNON      |           | JOSEPH GIITTER IRO                               |   |
| Emergency Class: UNUSUAL EVENT      |           | KEN CIBOCH FEMA                                  |   |
| 10 CFR Section:                     |           | FRANK CONGEL IRO                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | ELINOR ADENSAM NRR                               |   |
| COMM ASST BRIEF                     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 4    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO ENTERING EAL 12A (NATURAL PHENOMENON - HURRICANE WARNING CONFIRMED).

The licensee entered an Unusual Event per Emergency Action Level 12A. All emergency diesel generators are fully operable and the electrical grid is stable. All emergency core cooling systems are fully operable except for CCW heat exchanger "3B". Heat Exchanger "3B" will be restored to service soon. The state of Florida and surrounding counties have been informed of the Unusual Event classification.

The NRC Resident Inspector will be informed by the licensee.

\*\*\* UPDATE 0930 9/14/1999 BY STRANSKY \*\*\*

The NRC entered the Monitoring Phase of Normal Mode at 0930 on 9/14/1999 in preparation of potential landfall by Hurricane Floyd.

\*\*\* COMMISSIONER'S ASSISTANTS BRIEF, 1000 EDT ON 9/14/99 \*\*\*

Luis Reyes the R2RA conducted the brief, IRO (Frank Congel), NRR (Tad Marsh), NMSS (Josie Piccone), PA (William Beecher), SP (Fred Combs), R2 IRC (Pierce Skinner), CA (Betsy Keeling), EDO Staff (Leonard Wert), IP (Karen Henderson), SECY (Andrew Bates), Chairman Dicus Off (Thomas Hiltz), Comm. McGaffigan Off (James Beall), Comm. Diaz Off (Anthony Hsia), Comm. Merrifield Off (Lynne Stauss)

\*\*\*UPDATE 1744 9/14/99 BY D. MORRIS TAKEN BY MACKINNON\*\*\*

Unusual Event was terminated and EAL 12A was exited at 1710 ET when the hurricane warning was downgraded to a tropical storm warning by the National Hurricane Center. The Licensee notified the state and surrounding counties of exiting the unusual event. R2DO (Chris Christensen), NRR EO (Bill Beckner) and FEMA (Ken Ciboch)

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Power Reactor  
notified.

Event # 36155

The NRC Resident Inspector was notified of this event update by the licensee.

\*\*\*\*\*

Power Reactor

Event # 36156

|                                   |            |           |            |  |            |   |
|-----------------------------------|------------|-----------|------------|--|------------|---|
| Site: SAINT LUCIE                 |            |           |            | Notification Date / Time: 09/13/1999 17:30 (EDT) |            |   |
| Unit: 1 2                         |            | Region: 2 |            | State : FL                                       |            | Event Date / Time: 09/13/1999 17:13 (EDT) |
| Reactor Type: [1] CE,[2] CE       |            |           |            | Last Modification: 09/15/1999                    |            |   |
| Containment Type:                 |            |           |            |  |            |   |
| NRC Notified by: STEVE MERRILL    |            |           |            | Notifications: ROBERT HAAG R2                    |            |   |
| HQ Ops Officer: JOHN MacKINNON    |            |           |            | JOSEPH GIITTER IRO                               |            |   |
| Emergency Class: UNUSUAL EVENT    |            |           |            | DAN SULLIVAN FEMA                                |            |   |
| 10 CFR Section:                   |            |           |            | FRANK CONGEL IRO                                 |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |           |            | ELINOR ADENSAM NRR                               |            |   |
| COMM ASST BRIEF                   |            |           |            |  |            |   |
| Unit                              | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 1                                 | N          | No        | 0          | Hot Shutdown                                     | 0          | Hot Shutdown                              |
| 2                                 | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

# UNUSUAL EVENT DECLARED DUE TO ENTERING EAL 5B ITEM 1 (CONFIRMED HURRICANE WARNING IN EFFECT)

The licensee entered an Unusual Event per Emergency Action Level 5B item 1. All emergency diesel generators are fully operable and the electrical grid is stable. All emergency core cooling systems are fully operable. The state was notified of the Unusual Event classification. Local counties will be notified of the Unusual Event classification by the state of Florida.

The NRC Resident Inspector will be notified of this event by the licensee.

\*\*\* UPDATE 0930 9/14/1999 BY STRANSKY \*\*\*

The NRC entered the Monitoring Phase of Normal Mode at 0930 on 9/14/1999 in preparation of potential landfall by Hurricane Floyd.

\*\*\* COMMISSIONER'S ASSISTANTS BRIEF, 1000 EDT ON 9/14/99 \*\*\*

Luis Reyes the R2RA conducted the brief, IRO (Frank Congel), NRR (Tad Marsh), NMSS (Josie Piccone), PA (William Beecher), SP (Fred Combs), R2 IRC (Pierce Skinner), CA (Betsy Keeling), EDO Staff (Leonard Wert), IP (Karen Henderson), SECY (Andrew Bates), Chairman Dicus Off (Thomas Hiltz), Comm. McGaffigan Off (James Beall), Comm. Diaz Off (Anthony Hsia), Comm. Merrifield Off (Lynne Stauss)

\*\*\* COMMISSIONER'S ASSISTANCE BRIEF, 2000 EDT ON 9/14/99 \*\*\*

Luis Reyes the R2RA conducted the brief, EDO (Jim Dyer), IRO ( Joe Giitter), NRR EO (Bill Beckner), NMSS (Josie Piccone), CA (Betsy Keeling), Chairman Dicus Off (Tom Hiltz), Comm McGaffigan (James Beall), Comm Merrifield (Lynne Stauss & John Thoma), NRC R2 (Bruce Mallett & Anne Boland) .

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Power Reactor

Event # 36156

\*\*\* UPDATE AT 0059 EDT ON 9/15/99 BY JACK BREEN TO FANGIE JONES \*\*\*

Unusual Event was terminated at 0040 EDT when the hurricane warning was lifted by the National Hurricane Center. The licensee notified the NRC Resident Inspector and intends notifying the state and surrounding counties of exiting the Unusual Event. R2DO (Chris Christensen), NRR EO (William Beckner), and FEMA (Wayne Storer) notified.

\*\*\*\*\*

Power Reactor

Event # 36163

|                                   |           |  |  |
|-----------------------------------|-----------|--|--|
| Site: BRUNSWICK                   |           | Notification Date / Time: 09/14/1999 23:30 (EDT) |  |
| Unit: 1 2                         | Region: 2 | Event Date / Time: 09/14/1999 23:10 (EDT)        |  |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 09/16/1999                    |  |
| Containment Type: MARK I MARK I   |           |  |  |
| NRC Notified by: THOMAS WOODALL   |           | Notifications: CHRIS CHRISTENSEN R2              |  |
| HQ Ops Officer: JOHN MacKINNON    |           | WILLIAM BECKNER NRR                              |  |
| Emergency Class: UNUSUAL EVENT    |           | FRANK CONGEL IRO                                 |  |
| 10 CFR Section:                   |           | WAYNE STORER FEMA                                |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# UNUSUAL EVENT DECLARED DUE TO ENTERING EAL 2.1 SECTION 14.1.2 (NATURAL EVENT - HURRICANE WARNING).

The licensee entered an Unusual Event per Emergency Action Level 2.1 Section 14.1.2. All emergency diesel generators and their emergency core cooling systems are fully operable. The electrical grid is stable. The licensee said that they would have to enter Abnormal Operating Procedure 13 two hours before wind speed increased to 75 mph. The licensee projects that they have 27 hours until hurricane force winds reach their site. The licensee has notified the state of North Carolina and surrounding counties of entering an Unusual Event classification.

The NRC resident inspector will be informed of this event by the licensee.

\*\*\* UPDATE AT 0845 EDT ON 09/15/99 FROM DON DEWEY TO S. SANDIN \*\*\*

The licensee decided at 0830 EDT to reduce power on both units to 40% by 1000 EDT and hold. A decision as to whether a shutdown should continue will be made at that time. Unit 1 and 2 are currently at 76% and 82% power, respectively.

The licensee will inform the NRC Resident Inspector. The NRC operations officer notified the R2 IRC (Skinner).

\*\*\*UPDATE AT 1248 EDT ON 09/15/99 FROM DON DEWEY TAKEN BY MACKINNON\*\*\*

Brunswick Unit 2 was manually scrammed from 31% reactor power at 1118 hours. All systems operated as expected.

Brunswick Unit 1 was manually scrammed from 35% reactor power at 1206 hours. All systems operated as expected.

## Power Reactor

Event # 36163

All emergency core cooling systems and the emergency diesel generators are fully operable if needed. The offsite electrical grid at this time is stable. On site wind speed is 32 mph.

The NRC resident inspector was notified of this event update by the licensee. The R2DO (Chris Christensen and Pierce Skinner), NRR EO (Bill Beckner and Bob Dennig), and IRO (Joe Giitter) were notified by the NRC operations officer.

\*\*\*UPDATE AT 2016 EDT ON 09/15/99 FROM ROBBINS TAKEN BY MACKINNON\*\*\*

Brunswick Unit 2 entered a Cold Shutdown condition at 1935 hours, and Brunswick Unit 2 entered a Cold Shutdown condition at 1955 hours. Onsite wind speed is 34 mph.

The NRC resident inspector was notified of this update by the licensee. The R2DO (Chris Christensen) and NRC Region 2 IRC (Anne Boland) were notified by the NRC operations officer.

\*\*\* UPDATE AT 0510 EDT ON 09/16/99 VIA FAX TO S. SANDIN \*\*\*

Message #6 was received via fax:

"32 of the 35 Emergency Warning Sirens are now indicating an inoperable status due to a loss of power. Some siding panels from the turbine building have been lost. The turbine building radiological conditions are monitored. Both Units are in Cold Shutdown." [see event #36169] Meteorological conditions as of 0458 EDT were wind direction from 240-280 degrees, speed 75-95 mph, stability class D with rain.

The NRC operations officer notified the R2 IRC (Reyes).

\*\*\* UPDATE AT 1340 EDT ON 09/16/99 FROM PALMETER TO POERTNER \*\*\*

The Unusual Event was terminated at 1330. Emergency facilities are being deactivated.

The NRC resident inspector has been notified by the licensee. The NRC operations officer notified the R2DO (Christensen), R2 IRC (Hufham), NRR EO (Beckner), IRO (Congel), and FEMA (Cecielski).

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Power Reactor

Event # 36167

|                                     |           |  |   |
|-------------------------------------|-----------|--|---|
| Site: SURRY                         |           | Notification Date / Time: 09/15/1999 22:17 (EDT) |   |
| Unit: 1 2                           | Region: 2 | State : VA                                       | Event Date / Time: 09/15/1999 22:00 (EDT) |
| Reactor Type: [1] W-3-LP,[2] W-3-LP |           | Last Modification: 09/16/1999                    |   |
| Containment Type: DRY SUB DRY SUB   |           |  |   |
| NRC Notified by: DON KARNs          |           | Notifications: CHRIS CHRISTENSEN R2              |   |
| HQ Ops Officer: BOB STRANSKY        |           | ANN BOLAND R2                                    |   |
| Emergency Class: UNUSUAL EVENT      |           | WILLIAM BECKNER NRR                              |   |
| 10 CFR Section:                     |           | FRANK CONGEL IRO                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |           | BELCHER FEMA                                     |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 83         | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 47         | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO APPROACHING HURRICANE

An Unusual Event was declared at 2200 EDT on 09/15/99 due to the expected onset of hurricane force winds within the following 12 hours. The licensee currently expects that hurricane force winds will occur onsite at 1000 EDT. Both units are currently being shut down in anticipation of the hurricane arrival. Shutdown of Unit 2 commenced at 1906 EDT, and Unit 1 began shutting down at 2040 EDT.

The NRC resident inspector has been informed of this notification.

\*\*\* UPDATE 0210 EDT ON 09/16/99 FROM DALE JONES TO S. SANDIN \*\*\*

The licensee is holding power at 46% on Unit 1 and 35% on Unit 2 pending an assessment of the path of Hurricane Floyd. Current projections for maximum sustained wind on site indicate less than 60 mph due to the more easterly course change.

The NRC operations officer notified the R2DO (Christensen) and R2 IRC (Boland).

\*\*\* UPDATE 1234 EDT ON 09/16/99 FROM STANLEY TO POERTNER \*\*\*

Hurricane Floyd past to the east. Maximum sustained winds onsite were 35 mph. Both units are holding at 45% power pending an assessment of Hurricane Floyd's status. Power was lost to the primary and backup met towers; however, data is available from the corporate offices.

The NRC resident inspector has been notified. The NRC operation officer notified the R2 IRC (Reyes), R2DO (Christensen), NRR EO (Beckner), and IRO (Congel).

\*\*\* UPDATE 1423 EDT ON 09/16/99 FROM STANLEY TO TROCINE \*\*\*

Power Reactor

Event # 36167

The licensee terminated the Unusual Event at 1420 EDT on 09/16/99. Both units are operating at approximately 45% power, and the licensee stated that all equipment is operating normally (with following exceptions). The 469 line was lost and remains out of service. This line feeds the independent spent fuel storage installation (ISFSI); however, the ISFSI diesel is currently running. The primary and secondary meteorological panels/towers were also lost. Wind speeds are currently 10 to 15 mph.

The licensee is in the process of notifying state and local officials and plans to notify the NRC resident inspector. The NRC operations officer notified the R2DO (Christensen), R2 IRC (Skinner), IRO (Congel), NRR EO (Beckner), and FEMA (Rische).

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Power Reactor

Event # 36195

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: COOPER                      |            | Notification Date / Time: 09/17/1999 22:14 (EDT) |   |                 |            |                 |
| Unit: 1                           | Region: 4  | State : NE                                       | Event Date / Time: 09/17/1999 20:56 (CDT) |                 |            |                 |
| Reactor Type: [1] GE-4            |            | Last Modification: 09/18/1999                    |   |                 |            |                 |
| Containment Type: MARK I          |            |  |   |                 |            |                 |
| NRC Notified by: FRED SCHIZAS     |            | Notifications: JOHN PELLET R4                    |   |                 |            |                 |
| HQ Ops Officer: LEIGH TROCINE     |            | DAVID MATTHEWS NRR                               |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | FRANK CONGEL IRO                                 |   |                 |            |                 |
| 10 CFR Section:                   |            | BERNICE CARR FEMA                                |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 1                                 | M/R        | Yes  | 25  | Power Operation | 0          | Hot Shutdown    |

#### DECLARATION OF AN UNUSUAL EVENT DUE TO A HYDROGEN EXPLOSION WITHIN THE OFFGAS SYSTEM (Refer to event #36192 for additional information.)

Earlier today (09/17/99), a loss of the Zulu sump pumps caused both standby gas treatment trains to be inoperable. This in turn resulted in a technical specification required plant shutdown from 100% power due to loss of the standby gas treatment system. (Refer to event #36192 for additional information.) Subsequent inspections and evaluations determined that the plant sustained a hydrogen explosion within the offgas system some time between 0500 CDT and 0700 CDT on 09/17/99. The hydrogen explosion was contained within the system, but the Zulu sump sustained damage at the base of the elevated release point tower. Indications are that the explosion took place mainly in the sump itself, but there may have been a pressure wave that propagated back through the offgas system. The extent of the damage is under investigation. This sump is part of the offgas system and secondary containment.

The licensee performed a rapid shutdown and manually scrammed the unit from 25% power at 2040 CDT. The rapid shutdown does not allow the unit to flood up to avoid receipt of a low reactor water level. All rods fully inserted. Low water level was received, and this resulted in actuations of primary containment isolation system groups 2 (emergency core cooling systems and various systems within the reactor building containment), 3 (reactor water cleanup), and 6 (heating and ventilation, primary containment purge and vents, standby gas initiation, etc.). The lowest water level was 0" (narrow range). There were no emergency core cooling system actuations, and none were required. The reactor core isolation cooling and high pressure coolant injection systems are required to actuate at -37". The licensee entered emergency operating procedure charts EOI-1A and EOI-5A for low reactor water level and tripping of the reactor building heating and ventilation (due to a secondary containment pressure spike), respectively. The reactor building (secondary containment) differential pressure went positive and then immediately went negative. This was recovered using the standby gas system.

The unit is currently stable in Hot Shutdown, and the licensee plans to place the unit in Cold Shutdown. Normal feedwater and the control rod drive system are being used to supply water to the reactor vessel. The main steam isolation valves are open, and the main condenser is available as a heat sink. Reactor pressure is currently stable,

Power Reactor

Event # 36195

and the bypass valves are closed at this time. Containment parameters are normal.

As a result of the explosion within the protected area, the licensee declared an Unusual Event at 2056 CDT on 09/17/99. The Unusual Event termination criteria is to ensure that there is no more hydrogen left in the system via the shutdown of the augmented offgas system and the completion of the required air purge until the length of time (required by procedures) has been doubled. The licensee stated that there is no possibility that another explosion would occur at this time because the system has been purged. The initial problem was the result of a procedural problem that caused a valve to be throttled which backed up hydrogen in the system. That has since been suspended, and the augmented offgas system has been taken off line.

The current wind speed of 14.3 mph is coming from 135°. There is no precipitation in the area, and the plume stability class is F. There has been no release of radioactive materials greater than technical specification limits, and there are no protective action recommendations. The licensee stated that the situation is stable.

The licensee notified the NRC resident inspector and the state. (Call the NRC operations officer for a site contact telephone number.)

\*\*\* UPDATE ON 09/18/99 @ 0224 EDT FROM SCHIZAS TO GOULD \*\*\*

THE PLANT TERMINATED THE UNUSUAL EVENT AT 0107 CDT ON 09/18/99 DUE TO COMPLETION OF ALL VENTING ACTIVITIES IN THE OFFGAS SYSTEM. THERE IS NO POSSIBILITY OF FURTHER EXPLOSIONS DUE TO HYDROGEN GAS CURRENTLY EXISTING. THE PLANT IS STABLE AND COOLING DOWN TO MODE 4.

THE NRC RESIDENT INSPECTOR WILL BE INFORMED BY THE LICENSEE. THE R4DO (PELLET), IRO (CONGEL), NRR EO (MATTHEWS), AND FEMA (BELCHER) WERE NOTIFIED BY THE NRC OPERATIONS OFFICER.

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Power Reactor

Event # 36220

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: LIMERICK                    |           | Notification Date / Time: 09/23/1999 20:15 (EDT) |   |
| Unit: 1 2                         | Region: 1 | State : PA                                       | Event Date / Time: 09/23/1999 20:00 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 09/24/1999                    |   |
| Containment Type: MARK II MARK II |           |  |   |
| NRC Notified by: PHIL CHASE       |           | Notifications: ROBERT SUMMERS R1                 |   |
| HQ Ops Officer: FANGIE JONES      |           | JOHN HANNON NRR                                  |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES MILLER IRO                               |   |
| 10 CFR Section:                   |           | DAN RISHE FEMA                                   |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |
| 50.72(b)(2)(ii) ESF ACTUATION     |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# PLANT ENTERED AN UNUSUAL EVENT - TOXIC GAS DETECTED IN UNIT 2 TURBINE ENCLOSURE

An Unusual Event was declared at 2000 EDT due to readings of 65 ppm hydrogen sulfide (HS) and 115 ppm carbon monoxide (CO) in the Unit 2 Turbine Enclosure.

The oncoming shift reported the smell of rotten eggs when they arrived on site. Inspection around the site determined the only place toxic gas was detectable was in the Unit 2 Turbine Enclosure. There were no detectable levels of any toxic gas existing anywhere else around the plant. Inspections are on going around the plant. The Unit 2 Turbine Enclosure has been evacuated after an inspection for a source of the gasses.

The licensee isolated the control room by manually initiating chlorine isolation as a precaution at 1922 EDT, this is an Engineered Safety Feature activation and reportable as a 4-hour notification.

The licensee notified the NRC Resident Inspector and the state/local government agencies.

\*\*\* UPDATE AT 2321 EDT ON 9/23/99 BY TOM DOUGHERTY TO JOHN MacKINNON \*\*\*

The site de-escalated from the Unusual Event at 2312 EDT. The toxic gas levels were verified to be nominal 0% in all areas inside and outside the power block. The source of the toxic gas is still unknown and under investigation. The licensee notified the NRC Resident Inspector and the state/local government agencies. The R1DO (Robert Summers), NRR EO (John Hannon), IRO Manager (Charles Miller), and FEMA (Cegielski) have been informed.

\*\*\* UPDATE AT 1429 EDT ON 9/24/99 BY STAN GAMBLE TO FANGIE JONES \*\*\*

The licensee submitted a written summary of the event as a follow-up per their procedure guidance for NUREG-0654. The source of the gas is still unknown, but the investigation continues. The summary was sent to NRC Region 1.

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Power Reactor  
R1DO (Robert Summers) and NRR (Tad Marsh)

Event # 36220

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Power Reactor

Event # 36244

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: HOPE CREEK                  |           | Notification Date / Time: 09/29/1999 22:22 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NJ                                       | Event Date / Time: 09/29/1999 21:33 (EDT) |
| Reactor Type: [1] GE-4            |           | Last Modification: 09/30/1999                    |   |
| Containment Type: MARK I          |           |  |   |
| NRC Notified by: KEN BRESLIN      |           | Notifications: DAVID SILK R1                     |   |
| HQ Ops Officer: LEIGH TROCINE     |           | LEDYARD (TAD) MARSH NRR                          |   |
| Emergency Class: UNUSUAL EVENT    |           | JOSEPH GITTER IRO                                |   |
| 10 CFR Section:                   |           | STINEDURF FEMA                                   |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | FRANK CONGEL IRO                                 |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

# UNUSUAL EVENT DECLARED DUE TO A FREON LEAK FROM A CONTROL ROOM CHILLER INTO THE AUXILIARY BUILDING

The licensee declared the unusual event at 2133 on 09/29/99 due to a release of toxic gas (a Freon leak) deemed to be detrimental to safe operation of the plant. No radiological release is in progress. The 33' wind direction is from 146° at 17.9 miles per hour. There were no protective actions recommended.

At 2117 hours on 09/29/99, the 'B' control room ventilation train chiller tripped resulting in an automatic start of the 'A' control room ventilation train. The trip was the direct result of a major freon leak dispersing into the auxiliary building. All non-essential personnel were evacuated from the auxiliary building. An Unusual Event was declared at 2133 hours on 09/29/99 in accordance with Emergency Classification Guidance Section 9.4.1.B, release of toxic gas deemed detrimental to safe operation of the plant. No personnel injuries have occurred, and all access to the auxiliary building is being controlled until follow-up actions are complete.

The 'A' control room vent train is currently in service. There is no indication of any freon in the control room, and the control room was not placed on recirculation.

The licensee plans to terminate the Unusual Event when the freon leak is isolated and when air levels in the auxiliary building are restored to normal.

The licensee stated that the emergency response data system (ERDS) has not been activated because ERDS is down for the performance of Y2K upgrades.

The licensee notified the NRC resident inspector, the states of Delaware and New Jersey, and the Lower Alloways Creek Township.

\*\*\*\*\* UPDATE AT 0204 ON 09/30/99 FROM KEN BRESLIN TO DOUG WEAVER \*\*\*\*\*

Power Reactor

Event # 36244

The leak was terminated because the full freon charge in the chiller dispersed (2,200 pounds), and the atmosphere in the auxiliary building has been restored to normal. As a result, the licensee terminated the Unusual Event at 0158 hours on 09/30/99.

The licensee notified the NRC resident inspector, the states of Delaware and New Jersey, and the Lower Alloways Creek Township. The NRC operations officer notified the R1DO (Silk), NRR EO (Marsh), IRO (Glitter), and FEMA (Caldwell)

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Power Reactor

Event # 36274

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: NINE MILE POINT             |           | Notification Date / Time: 10/08/1999 09:44 (EDT) |   |
| Unit: 1                           | Region: 1 | State : NY                                       | Event Date / Time: 10/08/1999 09:05 (EDT) |
| Reactor Type: [1] GE-2,[2] GE-5   |           | Last Modification: 10/08/1999                    |   |
| Containment Type: MARK I MARK II  |           |  |   |
| NRC Notified by: THOMAS HOWARD    |           | Notifications: JOHN KINNEMAN R1                  |   |
| HQ Ops Officer: LEIGH TROCINE     |           | TAD MARSH NRR                                    |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES MILLER IRO                               |   |
| 10 CFR Section:                   |           | MIKE TSCHILTZ EDO                                |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | BURNICE CARR FEMA                                |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 24         | Power Operation | 24         | Power Operation |

# DECLARATION OF UNUSUAL EVENT DUE TO THE POSSIBILITY THAT VARIOUS AREAS OF THE PLANT ARE INACCESSIBLE DUE TO A HAZARDOUS ATMOSPHERE

The following text is a portion of a facsimile received from the licensee:

"[At 0905 on 10/08/99, an] Unusual Event [was] declared due to Cardox fire system discharge ([carbon dioxide]) in [the Administration Building at 0815]. Various levels of the plant are being considered inaccessible until [oxygen] levels are verified [to be] satisfactory. [Carbon dioxide] venting is in progress. [There is no] effect on plant operation at [the] present time[, and no effect is currently] anticipated."

"[The] preliminary cause of discharge of [carbon dioxide] appears to be a switch malfunction. No fire was detected."

The licensee stated that the Cardox fire system has both a 30-second siren and flashing red lights prior to the discharge of carbon dioxide in order to allow personnel to evacuate the affected areas. There were no injuries reported, and carbon dioxide venting is currently in progress. The Administration Building and some adjacent areas of the turbine building were affected.

The licensee notified the NRC resident inspector as well as state and local agencies. The licensee also plans to issue a media/press release.

\*\*\* UPDATE 1219 10/8/1999 FROM MATTESON TAKEN BY STRANSKY \*\*\*

The Unusual Event was terminated at 1210 EDT. The NRC resident inspector has been informed. Notified R1DO (Kinneman), NRR (Marsh), IRO (Miller), FEMA (Carr).

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Power Reactor

Event # 36298

| Site: SAN ONOFRE                       |            |         |            | Notification Date / Time: 10/16/1999 06:08 (EDT) |            |                 |
|--|------------|---------|------------|--|------------|-----------------|
| Unit: 2 3 Region: 4 State : CA         |            |         |            | Event Date / Time: 10/16/1999 02:53 (PDT)        |            |                 |
| Reactor Type: [1] W-3-LP,[2] CE,[3] CE |            |         |            | Last Modification: 10/16/1999                    |            |                 |
| Containment Type: DRY AMB DRY AMB      |            |         |            |  |            |                 |
| NRC Notified by: NEIL SCHEUERLEIN      |            |         |            | Notifications: GAIL GOOD R4                      |            |                 |
| HQ Ops Officer: FANGIE JONES           |            |         |            | WILLIAM BATEMAN NRR                              |            |                 |
| Emergency Class: UNUSUAL EVENT         |            |         |            | FRANK CONGEL IRO                                 |            |                 |
| 10 CFR Section:                        |            |         |            | CARR FEMA  |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED      |            |         |            | WILLIAM BRACH NMSS                               |            |                 |
|  |            |         |            | TED MICHAELS REXB                                |            |                 |
| Unit                                   | Scram Code | RX Crit | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode |
| 2                                      | N          | Yes     | 100        | Power Operation                                  | 100        | Power Operation |
| 3                                      | N          | Yes     | 100        | Power Operation                                  | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO EARTHQUAKE LOCATED ABOUT 100 MILES FROM SITE. (Refer to event #36299 for a related event at Palo Verde.)

An earthquake of magnitude 7.0 occurred at 0247 PDT at coordinates 34 degrees 35.73 minutes north, 116 degrees 16.09 minutes west. This location is about 32 miles north of Joshua Tree, California, and 47 miles east-southeast of Barstow, California. This information is from the U.S. Geological Survey Southern California Seismic Network.

The licensee felt the earthquake, which was followed by the seismic alarms actuating. The plants are in operation with no problems. Inspections were carried out per procedures as well as the declaration of the Unusual Event at 0253 PDT. The licensee expects to be out of the Unusual Event in less than 1 hour.

The licensee notified the NRC Resident Inspector and state/local authorities.

\*\*\* UPDATE AT 0635 EDT ON 10/16/99 FROM NEIL SCHEUERLEIN TO FANGIE JONES \*\*\*

The licensee exited the Unusual Event at 0330 PDT on 10/16/99.

The licensee notified the NRC Resident Inspector and state/local authorities. The NRC operations officer notified R4DO (Gail Good), NRR EO (William Bateman), IRO (Frank Congel), and FEMA (Carr).

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Power Reactor

Event # 36299

|   |  |  |  |
|---|--|--|--|
| Site: PALO VERDE                          |  | Notification Date / Time: 10/16/1999 06:55 (EDT) |  |
| Unit: 1 2 3 Region: 4 State : AZ          |  | Event Date / Time: 10/16/1999 03:05 (MST)        |  |
| Reactor Type: [1] CE,[2] CE,[3] CE        |  | Last Modification: 10/18/1999                    |  |
| Containment Type: DRY AMB DRY AMB DRY AMB |  |  |  |
| NRC Notified by: JIM BLAZICK              |  | Notifications: GAIL GOOD R4                      |  |
| HQ Ops Officer: FANGIE JONES              |  | WILLIAM BATEMAN NRR                              |  |
| Emergency Class: UNUSUAL EVENT            |  | FRANK CONGEL IRO                                 |  |
| 10 CFR Section:                           |  | RICHE FEMA                                       |  |
| 50.72(a)(1)(i) EMERGENCY DECLARED         |  | WILLIAM BRACH NMSS                               |  |
| 50.72(b)(2)(vi) OFFSITE NOTIFICATION      |  | TED MICHAELS REXB                                |  |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | No      | 0          | Refueling       | 0          | Refueling       |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 3    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO EARTHQUAKE FELT ON SITE. (Refer to event #36298 for a related event at San Onofre.)

An earthquake of magnitude 7.0 occurred at 0247 MST at coordinates 34 degrees 35.73 minutes north, 116 degrees 16.09 minutes west. This location is about 32 miles north of Joshua Tree, California, and 47 miles east-southeast of Barstow, California. This information is from the U.S. Geological Survey Southern California Seismic Network.

The licensee felt the earthquake, and the strong motion accelerometer alarmed. An approximate intensity level of 0.015g's has been determined. Unit 1 is defueled, and Units 2 and 3 are in operation with no problems. Inspections were carried out per procedures as well as the declaration of the Unusual Event. Engineering walkdowns and evaluations are in progress per procedure.

The Unusual Event was entered and exited at 0305 MST.

The licensee notified the NRC Resident Inspector as well and state/local authorities.

\*\*\*\*\* UPDATE AT 0100 EDT ON 10/18/99 FROM DANN DAILEY TO LEIGH TROCINE \*\*\*\*\*

The following text is a portion of a facsimile received from the licensee:

"This is a followup of the ENS notification at 0353 MST on 10/16/99. If through subsequent reviews of this event, additional information is identified that is pertinent to this event or alters the information being provided at this time, another followup notification will be made via the ENS or under the reporting requirements of 10CFR50.73."

"On [10/16/99], at approximately 0247 MST, an earthquake, referred to as the 'Hector Earthquake,' of approximate magnitude 7.0 occurred, its epicenter located about 32 miles north of Joshua Tree, California. Joshua Tree, California is located approximately 220 miles west of the Palo Verde Nuclear Generating Station. At approximately

Power Reactor

Event # 36299

0248 MST, the vibratory ground motion reached and actuated the Palo Verde Seismic Monitoring Instrumentation switches. Specifically, the strong motion accelerometer trigger located in the Unit 1 containment building tendon gallery exceeded the threshold value of 0.01g. The vibratory ground motion also was felt by personnel in all three Palo Verde control rooms. Operations personnel immediately retrieved data from the actuated instrument and performed analysis to determine the magnitude of the vibratory ground motion. Initial analysis of the Seismic Monitoring Instrumentation tape recordings completed at approximately 0305 MST indicated a seismic event of about 0.015g. This is well below the magnitude of the 0.10g spectra Operating Basis Earthquake (OBE) and the 0.20g spectra Safe Shutdown Earthquake (SSE). Based on the validation of the earthquake per the Emergency Action Level 6.6 Technical Bases, the Unit 1 Shift Manager declared (and immediately exited due to the event being over) a Notification of an Unusual Event (NUE) applicable to all three units due to a seismic event."

"The NRC was notified at 0353 MST on 10/16/99 via the Emergency Notification System (ENS). The criteria for the ENS notification were 10CFR50.72(a)(1)(i) due to the declaration of an Emergency Class and 10CFR50.72(b)(1)(iii) due to the natural phenomenon that poses an actual threat to the safety of the nuclear power plant. Further analysis of the seismic data concluded the measured motions of structures and components were less than 14% of the OBE and should have no effect upon facility features important to safety. Based on the low magnitude of the vibratory ground motion and satisfactory plant walkdowns, an actual threat to safety did not exist. The ENS notification per 10CFR50.72(b)(1)(iii) is hereby retracted. The initial notification stated a press release was expected to be made; therefore, 10CFR50.72(b)(2)(vi) also applied. No media interest existed; therefore, no press release was made. The ENS notification per 10CFR50.72(a)(1)(i) remains valid."

"Following declaration of the NUE, the Maricopa County Sheriff's Office and the Arizona Department of Public Safety were notified at approximately 0313 MST via the Notification and Alert Network (NAN). The Palo Verde Emergency Coordinator recommended that no protective actions be taken. No protective actions were implemented by state or county agencies."

"Operations personnel performed an immediate walkdown of plant equipment. No abnormalities caused by the seismic event were observed. There were no structures, systems, or components that were inoperable that contributed to this event. There were no failures that rendered a train of a safety system inoperable, and no failures of components with multiple functions were involved. No engineered safety feature (ESF) actuations occurred, and none were required. The event did not result in any challenges to the fission product barrier or result in any releases of radioactive materials. The event did not adversely affect the safe operation of the plant or health and safety of the public."

The licensee notified the NRC resident inspector. The NRC operations officer notified the R4DO (Good), NRR EO (Bateman), and IRO (Congel).

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Power Reactor

Event # 36300

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: BRUNSWICK                   |           | Notification Date / Time: 10/16/1999 12:06 (EDT) |   |
| Unit: 1 2                         | Region: 2 | State : NC                                       | Event Date / Time: 10/16/1999 11:35 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 10/17/1999                    |   |
| Containment Type: MARK I MARK I   |           |  |   |
| NRC Notified by: JOEL GORDON      |           | Notifications: CAUDLE JULIAN R2                  |   |
| HQ Ops Officer: JOHN MacKINNON    |           | WILLIAM BATEMAN NRR                              |   |
| Emergency Class: UNUSUAL EVENT    |           | DEPUY FEMA                                       |   |
| 10 CFR Section:                   |           | FRANK CONGEL IRO                                 |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |

UNUSUAL EVENT DECLARED DUE TO THE NATIONAL WEATHER SERVICE ISSUING A HURRICANE WARNING FOR THEIR AREA. (Refer to event #36302 for a related event.)

THE LICENSEE ENTERED EMERGENCY PLAN IMPLEMENTING PROCEDURE 2.6.21 (ADVERSE WEATHER, ETC.) AND ABNORMAL OPERATING PROCEDURE 13 (ADVERSE WEATHER, ETC.) AFTER THE NATIONAL WEATHER SERVICE ISSUED A HURRICANE WARNING FOR THEIR AREA. HURRICANE IRENE IS AT LEAST 20 HOURS FROM THEIR LOCATION. ALL THEIR EMERGENCY CORE COOLING SYSTEMS AND EMERGENCY DIESEL GENERATORS ARE FULLY OPERABLE IF NEEDED, AND THEIR ELECTRICAL GRID IS STABLE.

CURRENTLY, WIND DIRECTION IS FROM 043 DEGREES, WIND SPEED IS 10.7 mph, THE STABILITY CLASS IS 'D,' AND THERE IS NO PRECIPITATION. BOTH UNITS HAVE TO BE IN HOT SHUTDOWN 2 HOURS PRIOR TO HURRICANE FORCE WINDS REACH THE SITE.

THE LICENSEE HAS NOTIFIED THE UNITED STATES COAST GUARD, STATE OF NORTH CAROLINA, AND LOCAL SURROUNDING COUNTIES OF THEIR EMERGENCY DECLARATION.

THE NRC RESIDENT INSPECTOR WILL BE NOTIFIED OF THIS EVENT BY THE LICENSEE.

\*\*\* UPDATE AT 2328 EDT ON 10/17/99 BY JUDITH DANIEL TO FANGIE JONES \*\*\*

The Unusual Event was terminated at 2313 EDT. The plant is stable and suffered no damage due to the hurricane.

The licensee notified the NRC Resident Inspector. The NRC operations center notified the R2DO (Caudle Julian), NRR EO (William Bateman), and FEMA (Bagwell).

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Power Reactor

Event # 36304

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: INDIAN POINT                  |            |           |            | Notification Date / Time: 10/17/1999 20:13 (EDT) |            |   |
| Unit: 3                             |            | Region: 1 |            | State : NY                                       |            | Event Date / Time: 10/17/1999 19:22 (EDT) |
| Reactor Type: [2] W-4-LP,[3] W-4-LP |            |           |            | Last Modification: 10/17/1999                    |            |   |
| Containment Type: DRY AMB DRY AMB   |            |           |            |  |            |   |
| NRC Notified by: BRIAN HAY          |            |           |            | Notifications: JAMES NOGGLE R1                   |            |   |
| HQ Ops Officer: FANGIE JONES        |            |           |            | WILLIAM BATEMAN NRR                              |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | FRANK CONGEL IRO                                 |            |   |
| 10 CFR Section:                     |            |           |            | GARY BELCHER FEMA                                |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 3                                   | N          | No        | 0          | Hot Shutdown                                     | 0          | Hot Shutdown                              |

## UNUSUAL EVENT BASED ON UNIDENTIFIED RCS LEAK GREATER THAN 10 GPM INSIDE CONTAINMENT

An Unusual Event was declared at 1954 EDT due to unidentified or pressure boundary leakage from the reactor coolant system (RCS) greater than 10 gpm, estimated at about 16 gpm, in the containment. At the time, there were personnel in the containment that heard the leak occur and saw steam issuing from a transmitter room. All personnel were evacuated from the containment. There was only a slight increase in radiation indications on containment monitors with no alarms. The leak appears to be from a loop-3 flow transmitter from indications on the control boards.

There was no release of radioactive material to the environment.

The licensee notified the NRC Resident Inspector and state/local authorities.

\*\*\* UPDATE AT 2100 EDT ON 10/17/99 FROM BRIAN HAY TO FANGIE JONES \*\*\*

The Unusual Event was terminated at 2050 EDT. The leak was isolated, it was on an RCS loop-3 flow transmitter.

The licensee notified the NRC Resident Inspector and state/local authorities. The NRC operations center notified the R1DO (James Noggle), NRR EO (William Bateman), IRO (Frank Congel), and FEMA (Bagwell).

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Power Reactor

Event # 36358

|                                   |           |  |   |
|-----------------------------------|-----------|--|---|
| Site: LIMERICK                    |           | Notification Date / Time: 10/28/1999 03:45 (EDT) |   |
| Unit: 1 2                         | Region: 1 | State : PA                                       | Event Date / Time: 10/28/1999 03:35 (EDT) |
| Reactor Type: [1] GE-4,[2] GE-4   |           | Last Modification: 01/13/2000                    |   |
| Containment Type: MARK II MARK II |           |  |   |
| NRC Notified by: BENDER           |           | Notifications: DAVID LEW R1                      |   |
| HQ Ops Officer: BOB STRANSKY      |           | DAVID MATTHEWS NRR                               |   |
| Emergency Class: UNUSUAL EVENT    |           | CHARLES MILLER IRO                               |   |
| 10 CFR Section:                   |           | ROBERTA WARREN IAT                               |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED |           | RICHARD ROSANO IAT                               |   |
| 73.71(b)(1) SAFEGUARDS REPORTS    |           | GREG SMITH IAT                                   |   |
| COMM ASST BRIEF                   |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | N          | Yes     | 100        | Power Operation | 100        | Power Operation |
| 2    | N          | Yes     | 21         | Power Operation | 21         | Power Operation |

## UNUSUAL EVENT DECLARED DUE TO BOMB THREAT

Contact the NRC Operations Center for additional details. The NRC resident inspector will be informed.

## \*\*\* COMMISSIONERS' ASSISTANTS BRIEFING HELD AT 0630 EDT \*\*\*

Briefer: H. Miller. Participants: C. Miller (IRO), Adensam, Matthews (NRR), Ten Eyck (NMSS), Beecher (OPA), Lohaus (OSP), Hauber (OIP), Madden (OCA), Tschiltz (EDO), Paperiello (DEDE), Boyce, Olencz (Dicus), Sharkey (McGaffigan), Castleman (Diaz), Doane (Merrifield), Rosano, Warren (IAT), Screnci (R1PAO).

## \*\*\* UPDATE AT 1134 ON 10/28/99 FROM JOHN HUNTER TAKEN BY STRANSKY \*\*\*

The licensee terminated the Unusual Event at 1124 EDT. Searches of the plant protected area were completed without the discovery of any suspicious devices. In addition, the threat, initially determined to be credible, has been determined not to be credible. The NRC resident inspector has been informed of this update by the licensee. Notified R1DO (Lew), NRR EO (Lyons), FEMA (Sullivan).

## \*\*\*\*\* UPDATE AT 1712 ON 01/13/00 BY LEIGH TROCINE \*\*\*\*\*

This event notification is being updated to document the NRC's response to this event. According to the NRC HOO Log and a time-line generated from recordings of the event, the NRC entered the Monitoring Phase of Normal Mode at 0454 EDT on 10/28/99, and the Monitoring Phase of Normal Mode was exited at 0955 EDT on the same day.

HOO NOTE: The bomb threat was made at approximately 0243 EDT, and the Unusual Event was declared at 0335 EDT.

\*\*\*\*\*

Power Reactor

Event # 36502

|                                     |            |           |            |  |            |   |
|-------------------------------------|------------|-----------|------------|--|------------|---|
| Site: SALEM                         |            |           |            | Notification Date / Time: 12/11/1999 03:14 (EST) |            |   |
| Unit: 2                             |            | Region: 1 |            | State : NJ                                       |            | Event Date / Time: 12/11/1999 02:26 (EST) |
| Reactor Type: [1] W-4-LP,[2] W-4-LP |            |           |            | Last Modification: 12/11/1999                    |            |   |
| Containment Type: DRY AMB DRY AMB   |            |           |            |  |            |   |
| NRC Notified by: SCOTT HESS         |            |           |            | Notifications: CLIFFORD ANDERSON R1              |            |   |
| HQ Ops Officer: JOHN MacKINNON      |            |           |            | JOHN HANNON NRR                                  |            |   |
| Emergency Class: UNUSUAL EVENT      |            |           |            | JOSEPH GIITTER IRO                               |            |   |
| 10 CFR Section:                     |            |           |            | CANUPP FEMA                                      |            |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED   |            |           |            |  |            |   |
| Unit                                | Scram Code | RX Crit   | Init Power | Initial RX Mode                                  | Curr Power | Current RX Mode                           |
| 2                                   | N          | Yes       | 100        | Power Operation                                  | 100        | Power Operation                           |

UNUSUAL EVENT DECLARED DUE TO 10 TON CARBON DIOXIDE TANK DISCHARGING. EMERGENCY ACTION LEVEL 9.4.1.b (RELEASE OF TOXIC OR FLAMMABLE GASES DEEMED DETRIMENTAL TO SAFE OPERATION OF THE PLANT) ENTERED.

An instrument line on a 10 Ton Carbon Dioxide tank broke off causing the tank to discharge into the 10 Ton Carbon Dioxide storage area which is located at the 84 foot level in the Auxiliary Building. Nobody was in the area when the instrument line broke. Personnel entered the room wearing Self-Contained Breathing Apparatus (SCBA) and isolated the leak. Nobody was injured by the incident. Oxygen level in the 10 Ton Carbon Dioxide storage area was back to normal by 0314 ET. At this time only the access to the Diesel Fuel Oil Storage Tank Area is restricted (have to pass through the Carbon Dioxide Storage Area to get to the Diesel Fuel Oil Storage Tank Area). The Emergency Diesel Generators are fully operable. The Licensee is investigating the incident at this time.

The Licensee notified Lower Alloways Creek Township, State of New Jersey and the State of Delaware of this event. The NRC Resident Inspector will be notified of this event by the licensee.

\*\*\* UPDATE ON 12/11/99 AT 0551 ET BY SCOTT HESS TAKEN BY MACKINNON \*\*\*

Unusual Event exited at 0541ET after Oxygen levels in adjacent rooms found acceptable. Accountability of all plant person completed and there were no personnel injuries. The instrument line to the 10 Ton Carbon Dioxide Tank has been repaired.

The licensee notified Lower Alloways Creek Township, State of New Jersey , State of Delaware and the NRC Resident Inspector that the Unusual Event had been exited.

NRC R1DO (Cliff Anderson), FEMA (Canupp), NRR EO (Hannon) and IRO Manager (Joe Giitter) notified of the termination of the Unusual Event.

\*\*\*\*\*

Power Reactor

Event # 36543

|  |           |  |   |
|--|-----------|--|---|
| Site: OCONEE   |           | Notification Date / Time: 12/27/1999 21:13 (EST) |   |
| Unit: 3  | Region: 2 | State: SC  | Event Date / Time: 12/27/1999 20:40 (EST) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |           | Last Modification: 12/27/1999                    |   |
| Containment Type: DRY AMB DRY AMB DRY AMB            |           |  |   |
| NRC Notified by: YONGUE                              |           | Notifications: CHRIS CHRISTENSEN R2              |   |
| HQ Ops Officer: CHAUNCEY GOULD                       |           | BRUCE BOGER NRR                                  |   |
| Emergency Class: UNUSUAL EVENT                       |           | CHARLES MILLER IRO                               |   |
| 10 CFR Section:                                      |           | BAGWELL FEMA                                     |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 100        | Power Operation | 55         | Power Operation |

UNUSUAL EVENT DECLARED AT 2040 DUE TO AN IDENTIFIED REACTOR COOLANT LEAK.

WHILE DOING A FEED AND BLEED OF THE LETDOWN SYSTEM, THE LETDOWN STORAGE TANK BYPASS VALVE (3HP14) APPARENTLY DID NOT FULLY CLOSE, EVEN THOUGH IT WAS INDICATED CLOSED, BECAUSE THE WATER LEVEL IN THE LETDOWN STORAGE TANK WAS STILL DECREASING. APPROXIMATELY 45 GPM OF RCS WATER BLED THROUGH THE VALVE INTO THE "3A" BLEED HOLDUP TANK, WHICH HOLDS A RECOVERABLE WATER SOURCE THAT CAN BE INJECTED BACK INTO THE SYSTEM. THE LEAKAGE WAS ISOLATED AT 2042 WHEN LETDOWN ISOLATION VALVE "3HP5" WAS CLOSED. AT THAT TIME, THE UNUSUAL EVENT WAS ALSO TERMINATED. THE TOTAL AMOUNT OF RCS WATER BLED INTO THE BLEED HOLDUP TANK HAS NOT YET BEEN DETERMINED. THERE APPEARS TO BE A PROBLEM WITH BOTH THE VALVE POSITION INDICATION, AND THE PNEUMATIC VALVE ITSELF. THE REACTOR IS BEING SHUT DOWN AS REQUIRED BY ABNORMAL PROCEDURES, AND THE LICENSEE PLANS TO PLACE THE UNIT IN MODE 3.

THE RESIDENT INSPECTOR HAS BEEN NOTIFIED ALONG WITH STATE AND LOCAL AGENCIES. THERE WILL BE NO PRESS RELEASE.

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Power Reactor

Event # 36545

|  |           |  |   |
|--|-----------|--|---|
| Site: OCONEE   |           | Notification Date / Time: 12/29/1999 06:23 (EST) |   |
| Unit: 3  | Region: 2 | State: SC  | Event Date / Time: 12/29/1999 05:55 (EST) |
| Reactor Type: [1] B&W-L-LP,[2] B&W-L-LP,[3] B&W-L-LP |           | Last Modification: 12/29/1999                    |   |
| Containment Type: DRY AMB DRY AMB DRY AMB            |           |  |   |
| NRC Notified by: DAVID YONGUE                        |           | Notifications: CHRIS CHRISTENSEN R2              |   |
| HQ Ops Officer: DOUG WEAVER                          |           | JACK STROSNIDER NRR                              |   |
| Emergency Class: UNUSUAL EVENT                       |           | JOSEPH GIITTER IRO                               |   |
| 10 CFR Section:                                      |           | RISHE FEMA                                       |   |
| 50.72(a)(1)(i) EMERGENCY DECLARED                    |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 3    | N          | Yes     | 90         | Power Operation | 80         | Power Operation |

UNUSUAL EVENT DECLARED AT 0555 DUE TO AN IDENTIFIED REACTOR COOLANT LEAK.

THE LETDOWN STORAGE TANK BYPASS VALVE (3HP14) FAILED IN AN INTERMEDIATE POSITION. APPROXIMATELY 45 GPM OF RCS WATER IS BEING BLED THROUGH THE VALVE INTO THE DE-LITH DEMINERALIZERS. THE PLANT IS STABLE AT 80% POWER. VALVE 3HP14 IS AN MOV ON A 2 1/2" LINE. THE 45 GPM OF FLOW IS CONSIDERED "RECOVERABLE" RCS LEAKAGE.

THE EVENT OCCURRED AT 0555 AND THE CURRENT LINEUP WAS REACHED AT 0604. THE LICENSEE WILL REMAIN IN THE UNUSUAL EVENT UNTIL THEIR ENGINEERING DEPARTMENT DETERMINES THAT THEY CAN REMAIN IN THIS LINEUP WHILE REPAIRS ARE MADE TO 3HP14.

THIS EVENT IS SIMILAR TO EVENT 36543 WHICH OCCURRED ON 12/27/99. THAT EVENT LED TO REPAIRS ON 3HP14. THE MOTOR HAD BECOME UNCOUPLED FROM THE VALVE AND WAS REPAIRED. IT IS NOT KNOWN NOW WHETHER THE SAME FAILURE MECHANISM HAS BEEN REPEATED DURING THE CURRENT EVENT.

THE RESIDENT INSPECTOR HAS BEEN NOTIFIED ALONG WITH STATE AND LOCAL AGENCIES. THERE WILL BE NO PRESS RELEASE.

\*\*\* UPDATE AT 0715 ON 12/29/99, BY BALDWIN, TAKEN BY WEAVER \*\*\*

THE UNUSUAL EVENT WAS TERMINATED AT 0713. THE LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR. THE HOO NOTIFIED R2DO (CHRISTENSEN); EO (STROSNIDER); IRO (GIITTER); FEMA (RISHE)

\*\*\*\*\*

Power Reactor

Event # 36553

|                                   |            |  |   |                 |            |                 |
|-----------------------------------|------------|--|---|-----------------|------------|-----------------|
| Site: LIMERICK                    |            | Notification Date / Time: 12/31/1999 03:11 (EST) |   |                 |            |                 |
| Unit: 2                           | Region: 1  | State : PA                                       | Event Date / Time: 12/31/1999 01:11 (EST) |                 |            |                 |
| Reactor Type: [1] GE-4,[2] GE-4   |            | Last Modification: 12/31/1999                    |   |                 |            |                 |
| Containment Type: MARK II MARK II |            |  |   |                 |            |                 |
| NRC Notified by: DOUG AMTSFIELD   |            | Notifications: RANDY BLOUGH R1                   |   |                 |            |                 |
| HQ Ops Officer: DOUG WEAVER       |            | RICHARD WESSMAN NRR                              |   |                 |            |                 |
| Emergency Class: UNUSUAL EVENT    |            | JOSEPH GIITTER IRO                               |   |                 |            |                 |
| 10 CFR Section:                   |            | KEN CYBOCH FEMA                                  |   |                 |            |                 |
| 50.72(a)(1)(i) EMERGENCY DECLARED |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) RPS ACTUATION     |            |  |   |                 |            |                 |
| 50.72(b)(2)(ii) ESF ACTUATION     |            |  |   |                 |            |                 |
| Unit                              | Scram Code | RX Crit  | Init Power                                | Initial RX Mode | Curr Power | Current RX Mode |
| 2                                 | A/R        | Yes  | 100                                       | Power Operation | 0          | Hot Standby     |

## UNUSUAL EVENT - MAIN TRANSFORMER FAILURE

A main transformer insulator failure led to a catastrophic failure of the main transformer. This in turn led to a turbine trip and reactor scram. The plant response to the transient was normal and the plant is now stable in mode 3. Decay heat is being removed by dumping steam to the main condenser. Reactor vessel water level is being maintained by the condensate and feed systems. Offsite power was maintained throughout the event and no safety related equipment has been damaged. The event occurred at 0111 and the Unusual Event was declared at 0255. The Reactor Recirculation Pump EOC-RPT (End of Cycle Recirc Pump Trip) breakers tripped as expected due to the turbine stop valve and turbine control valve closures.

The unusual event was declared because of the potential impact of the failure on other plant components in the vicinity of the transformer. The licensee has notified the resident inspector.

\*\*\* UPDATE AT 0431 ON 12/31/99 BY AMTSFIELD, RECEIVED BY WEAVER \*\*\*

The unusual event was terminated at 0400. Damage was limited to the main transformer phase 'B' insulator with only ancillary damage to surrounding equipment and no damage to safety related equipment. The licensee has notified state and local governments of the event and a press release will be issued.

The operations center notified R1 (Blough); IRO (Glitter); EO (Wessman); FEMA (CYBOCH)

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Power Reactor

Event # 41584

|   |           |  |   |
|---|-----------|--|---|
| Site: NINE MILE POINT                         |           | Notification Date / Time: 04/10/2005 11:46 (EDT) |   |
| Unit: 1                                       | Region: 1 | State : NY                                       | Event Date / Time: 04/10/2005 05:00 (EST) |
| Reactor Type: [1] GE-2,[2] GE-5               |           | Last Modification: 04/10/2005                    |   |
| Containment Type: MARK I MARK II              |           |  |   |
| NRC Notified by: QUENTIN HICKS                |           | Notifications: JAMES NOGGLE R1                   |   |
| HQ Ops Officer: BILL HUFFMAN                  |           |  |   |
| Emergency Class: NON EMERGENCY                |           |  |   |
| 10 CFR Section:                               |           |  |   |
| 50.72(b)(3)(iv)(A) VALID SPECIF SYS ACTUATION |           |  |   |

| Unit | Scram Code | RX Crit | Init Power | Initial RX Mode | Curr Power | Current RX Mode |
|------|------------|---------|------------|-----------------|------------|-----------------|
| 1    | A          | No      | 0          | Refueling       | 0          | Refueling       |

## SCRAM SIGNAL RESULTING FROM FAILURE OF A SUPPLY VALVE TO THE SCRAM AIR HEADER

"Nine Mile Point Unit 1 received a valid RPS SCRAM signal from high water level in the SCRAM Dump Volume (SDV). While restoring the Hydraulic Control Rod Unit (HCU) for control rod 02-35 to service, the internals to the plug valve for the Instrument Air Supply (116 Valve) to the SCRAM Inlet and Outlet valves failed. This failure caused an approximate 1/2" hole in the SCRAM Air Header, which resulted in the SCRAM Air Header pressure lowering rapidly due to the leak.

"Operators at the HCU recommended isolating the SCRAM Air Header. The Shift Manager was contacted by the job supervisor and received permission to isolate the SCRAM Air Header. SCRAM inlet and outlet valves opened, SDV vents and drains closed due to the loss of SCRAM Air Header pressure. Approximately 3 minutes after SCRAM Air Header depressurization, a full SCRAM signal occurred as expected due to the water level in the SDV. There was no fuel in the Reactor Vessel (RPV). No Control Rod motion occurred due to all Control Rods being inserted or isolated for maintenance.

"Immediate (8 Hour Non-Emergency) notification of this event being made as a result of the requirements of 10CRF50.72(b)(3)(iv)(A)."

The licensee stated that more information on the event can be found in Nine Mile Point Internal document DER - NM-2005-1565.

The license will be notifying the NRC Resident Inspector.

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