

NOV 12 1985

MEMORANDUM FOR:

Hugh L. Thompson, Jr., Director
Division of Licensing

50-216

FROM: Dennis M. Crutchfield, Assistant Director
for Safety Assessment, DL

SUBJECT: SUMMARY OF THE OPERATING REACTORS EVENTS
MEETING ON NOVEMBER 4, 1985 - MEETING 85-22

On November 4, 1985, an Operating Reactor Events meeting (85-22) was held to brief the Office Director, the Division Directors and their representatives on events which occurred since our last meeting on October 28, 1985. The list of attendees is included as Enclosure 1.

The events discussed and the significant elements of these events are presented in Enclosure 2. In addition, the assignment of follow-up review responsibility was discussed. The assignments made during this meeting and the status of previous assignments are presented in Enclosure 3.

One item has been on this list since January 3, 1985 (Evaluate need for additional requirements on alarms and annunciators - ICSB/Rosa). We understand that staff review of this item has recently been initiated. We are preparing a memo to Mr. Bernero for your signature requesting his attention in staff action to complete Mr. Denton's request.

Examination of the followup items reveals 2 NRR items which have slipped on several occasions. If staff efforts to complete these items by the current due date are unsuccessful we will request your assistance in obtaining management attention. These items are: (1) Resolution of Oyster Creek items from meeting 85-11 (DHFS/Clayton); and (2) Resolution of Crosby Main Steam Safety Valve Flow Deficiency item from meeting 85-12 (DSI/Marsh). Two other outstanding followup items that have slipped on several occasions are the responsibility of IE and are being pursued by E. Rossi.

Completion dates have been assigned for items in Enclosure 3. Each assignee should review Enclosure 3 with regard to their respective responsibilities. Note that several assignees are approaching the due date. Please be responsive and advise ORAB (D. Tarnoff, x29526) if the target completion date cannot be met.

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PDR ADDCK 05000316 PDR
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Dennis M. Crutchfield, Assistant Director
for Safety Assessment, DL

Enclosures:
As Stated

cc w/encl:
See next page

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ORAB Members

*PREVIOUS CONCURRENCE SEE DATE

ORAB:DL
DTarnoff:cl
11/12/85

W
SL:ORAB:DL
RWessman
11/12/85

W
C:ORAB:DL
JGHolahan
11/12/85

W
AD:ORAB:DL
DCrutchfield
11/12/85

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145

9c



ENCLOSURE 1

LIST OF ATTENDEES

OPERATING REACTORS EVENTS BRIEFING (85-22)

NOVEMBER 4, 1985

<u>Name</u>	<u>Division</u>	<u>Name</u>	<u>Division</u>
H. R. Denton	NRR	L. L. Kintner	NRR/LB4
D. Neighbors	DL	D. Hood	NRR/LB4
T.P. Speis	DST	T. S. Rotella	NRR/DL/ORB5
J. C. Stone	DQAVT/IE	G. Lanik	IE/DEPER/EAB
W. Swenson	NRR/ORAB	H. L. Thompson, Jr.	NRR/DL
J. P. Knight	DE	F. Schroeder	DST
W. S. Hazelton	DE MTEB	G. Lainas	DL
J. E. Lyons	NRR/TOSB	W. Minners	DST
E. J. Weinkam	NRR/DL/AD/L	R. Bernero	DSI
S. C. Black	NRR/DL	R. Wessman	DL/ORAB
D. Crutchfield	NRR/DL	D. Wigginton	DL
W. H. Regan	NRR/DHFS	A. Rubin	NRR/GIB
N. D. Thomas	IE	D. Tarnoff	NRR/ORAB
M. Chiramal	AEOD		
J. T. Beard	NRR/ORAB		
K. Ecclestan	NRR/TOSB		
J. L. Milhoan	NRR/DST		
D. Zukor	AEOD/ROAB		
R. Freeman	AEOD/ROAB		
K. Seyfrit	AEOD/ROAB		
J. B. Hopkins	NRR/DL		
K. N. Jabbour	NRR/DL		

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OPERATING REACTOR EVENTS BRIEFING (85-22)

NOVEMBER 4, 1985

D. C. COOK UNIT 2

REACTOR TRIP BREAKER FAILURE INCIDENT

MCGUIRE UNITS 1 AND 2

DUAL UNIT TRIP ON LOSS OF
INSTRUMENT AIR

V. C. SUMMER

REACTOR TRIP EVENT 9/20/85

GRAND GULF

RECIRCULATION PIPING CRACKS

CATAWBA UNIT 2

OVERPRESSURIZATION EVENTS FOLLOWUP

D. C. COOK UNIT 2 - REACTOR TRIP BREAKER FAILURE INCIDENT

OCTOBER 29 1985 (D. WIGGINTON, NRR)

- PROBLEM: REACTOR TRIP BREAKER (RTB) ON "A" TRAIN DID NOT FUNCTION

- SAFETY SIGNIFICANCE: POTENTIAL FAILURE IN CAPABILITY TO SCRAM

- DISCUSSION:
 - REACTOR TRIPPED ON SPURIOUS LOW FLOW SIGNAL FROM RCP BREAKER CONTACTS; NO ACTUAL LOSS OF POWER OR FLOW OCCURRED
 - INSTRUMENT INVERTER SENSED MOMENTARY LOSS OF POWER; SIGNALS TO SSPS RESULTED IN TRIP SIGNAL TO REACTOR TRIP BREAKERS
 - DURING TRIP, RTB "A" FAILED; RTB "B" ACCOMPLISHED TRIP
 - BREAKERS ARE WESTINGHOUSE DB-50 TYPE
 - ALL D. C. COOK DB-50 BREAKERS WERE REFURBISHED AT WESTINGHOUSE IN JULY 1985
 - NEITHER BREAKER HAD AUTO. SHUNT TRIP INSTALLED; SHUNT TRIPS INSTALLED ON UNIT 1
 - AUGMENTED INCIDENT RESPONSE TEAM (AIRT) DISPATCHED TO SITE
 - INVESTIGATION REVEALED "A" TRAIN UVTA HAS MARGINAL CAPABILITY TO TRIP BREAKER
 - ON NOVEMBER 3, 1985, DURING SURVEILLANCE TEST OF REMAINING 7 BREAKERS ON UNIT 1 AND 2, TRAIN B UVTA ON UNIT 2 FAILED 20 OZ. MARGIN TEST

FINDINGS

- TRIP ON UNIT 2 WAS SPURIOUS
- EXAMINATION OF UNIT 2 REACTOR TRIP BREAKERS INDICATES:
"A" TRAIN UVTA IS MARGINAL TO TRIP BREAKER WITHOUT ADDED WEIGHTS
"B" TRAIN UVTA IS MARGINAL TO TRIP BREAKER WITH 20 OZ.
ADDED WEIGHTS
REST OF A & B BREAKER ASSEMBLIES ARE ACCEPTABLE

-FOLLOWUP

- UNIT 1 HAS AUTO SHUNT; UNIT 2 WILL ADD AUTO SHUNT FEATURE BEFORE STARTUP
- UNIT 1 & 2 WILL PERFORM 18 MONTH SURVEILLANCE ON ALL BREAKERS BEFORE STARTUP TO INCLUDE LUBRICATION
- UVTA'S FROM A & B TRAINS TO BE TESTED FOR FAILURE MODE
- LICENSEE EXPECTS TO BE READY TO RESTART UNIT 1 ON TUESDAY AND UNIT 2 ON WEDNESDAY
- NRC DETERMINING WHICH WESTINGHOUSE FACILITIES DO NOT HAVE AUTOMATIC SHUNT INSTALLED
- IEB BEING PREPARED
- REGION III TRANSFERRING LEAD TO NRR

LICENSED FACILITIES WITHOUT AUTOMATIC SHUNT TRIP INSTALLED

<u>FACILITY</u>	<u>REMARKS</u>
1. KEWAUNEE	WILL INSTALL IN FEBRUARY 1986
2. BEAVER VALLEY 1	WILL INSTALL IN MAY 1986
3. TURKEY POINT 4	WILL INSTALL IN JANUARY; 1986
4. NORTH ANNA 1	CURRENTLY S/D; WILL INSTALL BEFORE STARTUP
5. SEQUOYAH 1	CURRENTLY S/D; WILL INSTALL BEFORE STARTUP
6. SEQUOYAH 2	WILL INSTALL IN SPRING 1986
7. BYRON 1	CURRENTLY S/D; WILL INSTALL BEFORE STARTUP
8. ZION 2	CURRENTLY S/D; WILL INSTALL BEFORE STARTUP
9. D. C. COOK 2	CURRENTLY S/D; WILL INSTALL PRIOR TO STARTUP

MCGUIRE UNITS 1 AND 2 - DUAL UNIT TRIP ON LOSS OF INSTRUMENT AIR
NOVEMBER 2, 1985 (G. LANIK, IE)

- ° PROBLEM: LOSS OF COMMON INSTRUMENT AIR SYSTEM CAUSED BOTH UNITS 1 AND 2 TO TRIP
- ° SAFETY SIGNIFICANCE: NON-SAFETY GRADE SYSTEM FAILURE RESULTS IN CHALLENGE TO SAFETY SYSTEMS - TWO UNITS AFFECTED BY SINGLE FAILURE
- ° DISCUSSION:
 - BOTH UNITS TRIP FROM 100% POWER DUE TO CLOSURE OF THE MAIN FEEDWATER FLOW CONTROL VALVES ON LOSS OF AIR PRESSURE RESULTING IN LOW STEAM GENERATOR LEVEL
 - FAILURE IN AIR SYSTEM DUE TO FAILURE OF THE "B" AIR COMPRESSOR DISCHARGE HEADER
 - AIR SYSTEM COMMON TO BOTH UNITS
 - AUX. FEED FLOW CONTROL VALVES GO OPEN ON LOSS OF AIR RESULTING IN EXCESS AFW FLOW
 - AFW FLOW CAN BE CONTROLLED BY START AND STOP OF AFW PUMPS; BUT AIR RESTORED IN SIX MINUTES
 - PRESSURIZER SPRAY VALVE FAILED CLOSED ON LOSS OF AIR (HOWEVER, LEAK-BY OF VALVES HAD BEEN EXPERIENCED)
 - UNIT 1 DEPRESSURIZED TO SI INITIATION POINT (1845 psig) INJECTED FOR ABOUT 20-25 MINUTES UNTIL PLANT STABILIZED
 - UNIT 2 OPERATORS RECOGNIZED UNIT 1 PROBLEM AND TRIPPED TWO REACTOR COOLANT PUMPS TO SLOW COOLDOWN CAUSED BY PRESSURIZER SPRAY VALVE LEAKAGE. NO SI OCCURRED
 - ALL OTHER PLANT SYSTEMS PERFORMED AS EXPECTED FOR THIS TRANSIENT
 - UNIT 1 COOLDOWN WAS 86°; UNIT 2 COOLDOWN WAS 74°
- ° FOLLOWUP:
 - AIR COMPRESSOR DISCHARGE MANIFOLDS REPLACED ON ALL 3 SIMILAR COMPRESSORS
 - LICENSEE EVALUATING AIR SYSTEM DESIGN
 - UNIT 2 IS BACK TO POWER
 - REGION II EVALUATED TRIP AND LICENSEE'S POST-TRIP REVIEW
 - UNIT 1 REMAINS DOWN TO FIX SECONDARY SIDE LEAK; EXPECTS TO RESTART IN 1-2 DAYS

V. C. SUMMER - REACTOR TRIP EVENT
SEPTEMBER 20, 1985 (J. HOPKINS, NRR)

- PROBLEM:

- REACTOR TRIP FROM 93% FULL POWER CAUSED BY FEEDWATER SYSTEM UPSET
- SEVERAL EQUIPMENT FAILURES INCLUDING INOPERABLE FEEDWATER ISOLATION VALVE

- SIGNIFICANCE:

- LACK OF ATTENTION TO DETAIL BY UTILITY

- CIRCUMSTANCES:

- CONDENSATE PUMPS TRIPPED WHILE PERFORMING TEST
- FEED/CONDENSATE SYSTEM UPSET RESULTED IN TURBINE/REACTOR TRIP
- FEEDWATER ISOLATION VALVE (FWIV) "B" FAILED TO CLOSE DUE TO IMPROPER MAINTENANCE IN EARLY SEPTEMBER
- EMERGENCY FEEDWATER FLOW XMTR "B" INDICATED LOW DUE TO EQUALIZING VALVE BEING LEFT OPEN
- ONE INTERMEDIATE RANGE NI INDICATED LOW

- FOLLOWUP:

- FWIV "B" HYDRAULIC OIL LEAK FIXED, AIR ACCUMULATOR CHECK VALVES REPLACED, (IN 85-35)
- EMERGENCY FEEDWATER FLOW TRANSMITTER EQUALIZING VALVE CLOSED
- ADJUSTED COMPENSATING VOLTAGE ON INTERMEDIATE RANGE NI
- NONCOMPLIANCE ISSUED
- ENFORCEMENT CONFERENCE WAS HELD 10/8/85 IN REGION II DUE TO VARIOUS RECENT EVENTS AT PLANT, INCLUDING THIS ONE

GRAND GULF UNIT 1 - RECIRCULATION PIPING CRACKS
OCTOBER 30, 1985 (L. KINTNER, NRR)

- PROBLEM:

- CRACKS IN RECIRCULATION PIPING CROSS ASSEMBLY FOUND BY LIQUID PENETRANT TESTS FOLLOWING IHSI

- SIGNIFICANCE:

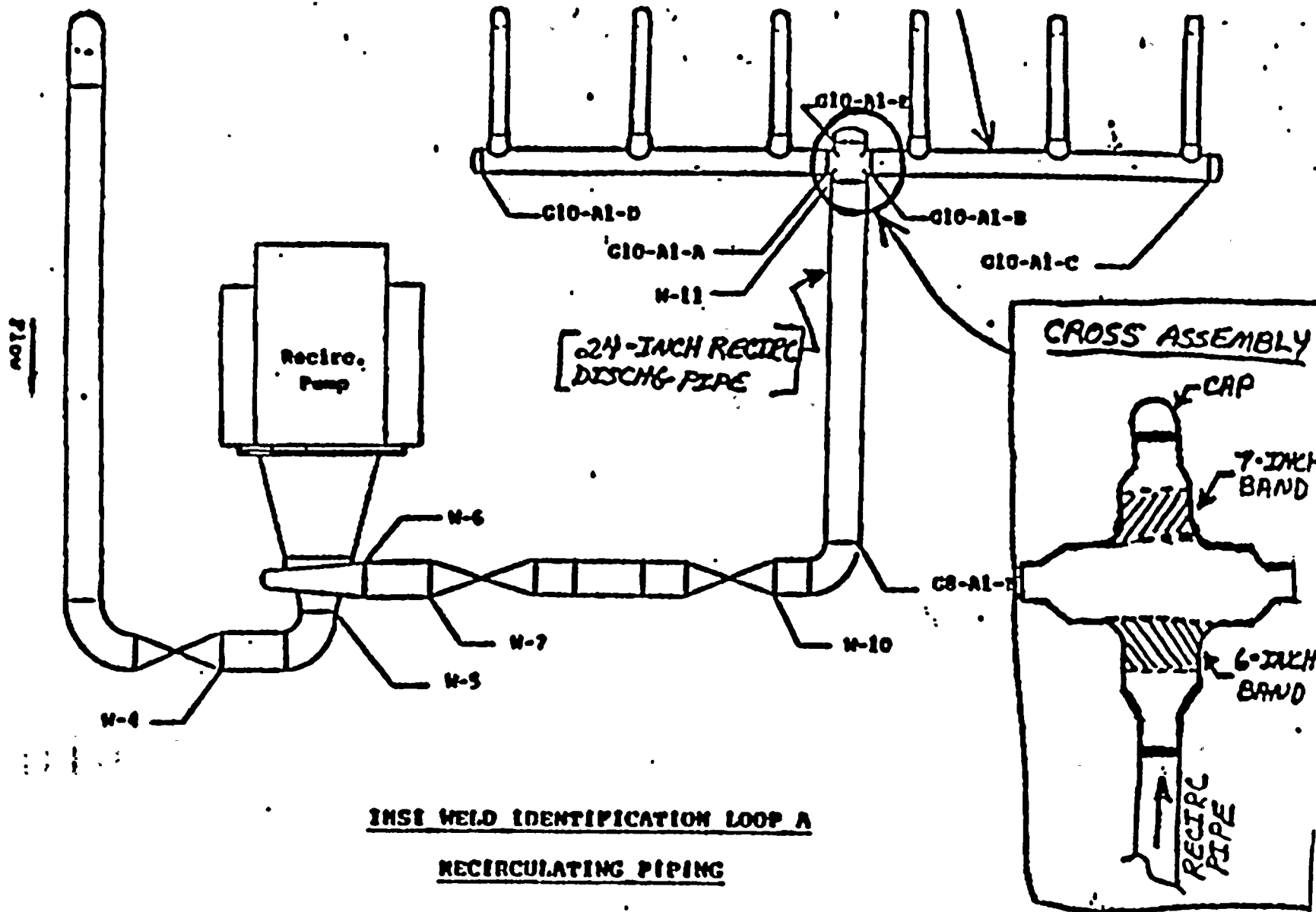
- MAY RESULT IN LOSS OF INTEGRITY OF REACTOR COOLANT PRESSURE BOUNDARY

- CIRCUMSTANCES:

- UNIT IN PLANNED OUTAGE FROM OCT. 12 - NOV. 22 TO PERFORM MODIFICATIONS, SURVEILLANCE AND ISI, INCLUDING INDUCTION HEATING STRESS IMPROVEMENT (IHSI) ON SELECTED RECIRCULATION PIPING WELDS
- CRACKS FOUND IN "A" LOOP CROSS ASSEMBLY NEAR RECIRCULATION PIPE WELDS BUT NOT IN WELDS OR HEAT AFFECTED ZONES, (SEE ATTACHED FIGURE)
- MOST CRACKS ARE ABOUT 3/4" LONG AND 1/4" DEEP
- ONE CRACK IN RADIUS OF CROSS ASSEMBLY IS ABOUT 3 1/2" LONG
- CROSS ASSEMBLY WALL > 2" THICK; PIPE WALL ≈ 1" THICK

- FOLLOWUP:

- LICENSEE INVESTIGATING CAUSE AND CORRECTION INCLUDING GRINDING OUT OF CRACKS
- CROSS ASSEMBLY ON "B" LOOP WAS EXAMINED AFTER IHSI AND ONE AREA ABOUT 2" X 2" WAS FOUND TO HAVE SIMILAR CRACKING
- REGION II FOLLOWUP ON GRAND GULF UNIT 1
- MTEB FOLLOWUP ON GENERIC ASPECTS
- STILL EVALUATING NUTECH IHSI METHOD AND METALLURGICAL ASPECTS OF PIPING AT GRAND GULF



INSI WELD IDENTIFICATION LOOP A

RECIRCULATING PIPING

CATAWBA UNIT 2 - OVERPRESSURIZATION EVENT FOLLOWUP
(NOVEMBER 4, 1985 K. JABBOUR, NRR)

1. BOTH RHR TRAINS OVERPRESSURIZED APRIL 19, 1985
2. VOLUME CONTROL TANK FAILURE APRIL 20, 1985

- EVENT NO. 1 - RHR OVERPRESSURIZATION

- SAFETY SIGNIFICANCE

- BOTH RHR TRAINS WERE INADVERTANTLY OVERPRESSURIZED TO 2000 PSI BETWEEN RCS COLD LEG AND CHECK VALVE ON THE RHR PUMP DISCHARGE DURING RCS HYDRO.
- RHR DESIGN PRESSURE 600 PSI
- ALSO OVERPRESSURIZED: PORTIONS BORON RECYCLE, NUCLEAR SAMPLING SYSTEMS
- QUESTION REGARDING ADEQUACY OF PIPING, FLANGES, VALVES, HEAT EXCHANGERS IN VIEW OF DESIGN BASIS AS STATED IN FSAR

- FOLLOWUP

- LICENSEE FILED CDR 414/85-08
- LICENSEE ASSIGNED A SPECIAL COORDINATOR TO INTERFACE WITH RELATED GROUPS FOR THE REMAINDER OF THE COLD HYDROSTATIC TESTING
- INSTRUCTED PERSONNEL TO USE APPROPRIATE OPERATING PROCEDURES
- INSTALLED A TEMPORY RELIEF HEADER
- REPAIRED AND REPLACED DAMAGED VALVES AND FLANGES
- PERFORMED ANALYSES WHICH PROVIDED A BASIS FOR THE ACCEPTANCE OF THE OVERPRESSURIZED PORTIONS OF THE SYSTEMS
- ANALYSES WERE REVIEWED BY DE/MEB AND REGION II
- STAFF CONCLUDED THAT ALL PIPING AND COMPONENTS WHICH WERE NOT REPLACED IN THOSE SYSTEMS HAD SUFFICIENT MARGIN
- DESIGN BASIS WAS NOT VIOLATED

- EVENT NO. 2 - VCT FAILURE

- SAFETY SIGNIFICANCE

- ° PORTIONS OF LETDOWN SYSTEM (PART OF CVCS) AND TANK WERE INADVERTANTLY OVERPRESSURIZED TO ABOUT 700 PSI AS PART OF RCS HYDRO.; CATASTROPHIC FAILURE OF VCT
- ° DESIGN PRESSURE: 300 PSI FOR PIPING AND 75 PSI FOR VCT
- ° QUESTION REGARDING ADEQUACY OF PIPING AND COMPONENTS IN VIEW OF DESIGN BASIS AS IDENTIFIED IN FSAR.

- FOLLOWUP:

- ° IN ADDITION TO THE ADMINISTRATIVE PROCEDURES DISCUSSED IN EVENT 1 ABOVE, LICENSEE DID THE FOLLOWING:
 - FILED CDR 414/85-06
 - INSTALLED A REPLACEMENT VCT
 - REPLACED THE DAMAGED PIPING (ADJACENT TO TANK) AND INSTRUMENTATION TUBING
 - USED RWST AS A SURGE TANK FOR THE REMAINDER OF THE COLD HYDRODTATIC TESTING (IN LIEU OF VCT)
 - PERFORMED ANALYSES WHICH IDENTIFIED THE PORTIONS NEEDING REPLACEMENT AND PROVIDED A BASIS FOR THE ACCEPTANCE OF THE REMAINDER OF THE OVERPRESSURIZED SYSTEMS
 - ANALYSES WERE REVIEWED BY DE/MEB AND REGION II
 - STAFF CONCLUDED THAT THE PIPING, WHICH WAS NOT REPLACED, HAD SUFFICIENT MARGIN.
 - DESIGN BASIS WAS NOT VIOLATED

OPERATING REACTORS EVENTS MEETING FOLLOWUP ITEMS
AS OF MEETING 85-22 ON NOVEMBER 4 , 1985

(IN ASCENDING MEETING DATE, NSSS VENDOR, FACILITY ORDER)

MEETING NUMBER/ MEETING DATE	FACILITY NSSS VENDOR/ EVENT DESCRIP.	RESPONSIBLE DIVISION/ INDIVIDUAL	TASK DESCRIPTION	SCHEDULE COMPLET. DATE(S)	CLOSED DATE BY DOCUMENT, MEETING, ETC.	COMMENTS
04/10/84	RANCHO SECO 1 BW / MAIN GEN HYDROGEN EXPLOSION - PARTIAL LOSS OF NNI 3/19/84	ICSB/ROSA, F. /	SUMMARIZE B&W LIC. RESPONSES TO QUESTIONS SUBSEQUENT TO RANCHO SECO LOSS OF NNI EVENT AND PRESENT AT FOLLOW-UP OR EVENTS BRIEFING	12/30/85 09/30/85 08/30/85	CLOSED 11/05/85 REVIEW BEING ACCOMPLISHED UNDER TAC No 56841 (LONG TERM), 56842 (SHORT TERM)	STAFF REVIEW OF B&W OWNERS GROUP SUBMITTAL OF 1/11/85 IS IN PROGRESS (THIS REACTIVATED- CRYS.RIV. 3)
01/03/85	CRYSTAL RIVER 3 BW / TEMP. LOSS OF NNI 12/28/84	ICSB/ROSA, F. /	CONSIDER NEED FOR ADDITIONAL REQUIREMENTS ON ALARMS / ANNUNCIATORS	12/30/85 09/30/85 07/30/85	OPEN / /	ICSB CONSIDERING DCONEE 1 LOSS OF ANNUNCIATOR. (4/25/85) IN ANAL. OF REQUIREMENTS.
05/07/85	MILLSTONE 2 CE / EDDY CURRENT TEST OF STEAM GEN. TUBES, 4/10/85	ORAB/MURPHY, E. DE /CONRAD, H.	REVIEW S606 LETTER ON EDDY CURRENT TESTING ISSUE, IN VIEW OF MILLSTONE 2 FINDINGS.	11/30/85 10/01/85 08/07/85	CLOSED-11/05/85 10/10/85 LETTER ORNL TO H. F. CONRAD	ORNL CONTRACTED TO EVALUATE EFFECT OF COPPER ON EDDY CURRENT TESTIN -DELAYS IN ORNL TESTING
05/07/85	CATAWBA 2 W / BOTH RHR TRAINS OVERPRESSURIZED 4/19/85	DL /JABBOUR, K. /	FOLLOW UP BRIEFING AFTER EVAL. OF OVERPRESS. EFFECTS ON VARIOUS SYSTEMS AND CORRECTIVE ACTIONS.	11/04/85 09/30/85 08/07/85	CLOSED 11/05/85 FOLLOWUP BRIEFING COMPLETED ON 11/04/85	FOLLOW UP BRIEFING SCHEDULED ON 11/04/85
B5-10 06/12/85	DAVIS BESSE 1 BW / LOSS OF ALL MAIN AND AUX. FEEDWATER 6/9/85	DSI /PARR, O. DL /DEGAZIO, A.	RE-EXAMINE STAFF REVIEW OF ACCEPTABILITY/ DIVERSITY OF DAVIS BESSE AFW SYSTEM.	12/30/85 08/30/85 06/19/85	CLOSED 11/05/85 REVIEW INCLUDED IN STAFF RESTART SER - EXPECTED 12/85	
B5-11 07/01/85	OYSTER CREEK 1 GE / UNCONTROLLED LEAKAGE OF REACTOR COOLANT OUTSIDE CONTAINMENT 6/12/85	DHFS/CLAYTON B. /	DETERMINE EFFICACY OF EP6/ OPERATOR ACTION AND EXCESSIVE RESPONSE TIME.	11/19/85 09/15/85 08/30/85	OPEN / /	
B5-12 07/23/85	SEABROOK W / CROSBY MAIN STEAM SAFETY VALVE FLOW DEFICIENCY 12/84	DSI /MARSH /	ANALYZE SAFETY IMPLICATIONS OF VALVE FLOW DEFICIENCY	12/06/85 10/30/85 09/30/85	OPEN / /	

OPERATING REACTORS EVENTS MEETING FOLLOWUP ITEMS
AS OF MEETING 85-22 ON NOVEMBER 4, 1985

(IN ASCENDING MEETING DATE, NSSS VENDOR, FACILITY ORDER)

MEETING NUMBER/ MEETING DATE	FACILITY NSSS VENDOR/ EVENT DESCRIP.	RESPONSIBLE DIVISION/ INDIVIDUAL	TASK DESCRIPTION	SCHEDULE COMPLET. DATE(S)	CLOSED DATE BY DOCUMENT, MEETING, ETC.	COMMENTS
85-13 08/13/85	FOREIGN NA / MULTIPLE FEEDWATER FAILURES	IE /ROSSI, E. /	CONSIDER ISSUANCE OF IE INFORMATION NOTICE.	11/20/85 09/30/85 09/03/85	OPEN / /	IE NOTICE IN CONCURRENCE
85-13 08/13/85	POINT BEACH W / SAFETY INJECTION MINI-FLOW RECIRC DESIGN DEFICIENCY	IE /LONG, S. ORAB/CARUSO, M.	DRAFT IE NOTICE ON PT.BEACH EVENT.CONSIDER TEMP.INSTR.FOR RES.INSPECTOR REGARDING COMPLIANCE WITH APP.K	11/27/85 10/18/85 09/13/85	OPEN / /	DRAFT IE NOTICE IN CONCURRENCE.HRR INPUT COMPLETE
85-13 08/13/85	TURKEY POINT 3 W / POST-TRIP LOSS OF AFW	DSI /PARR, D. /	REVIEW ADEQUACY OF GOVERNOR DESIGN ON TURBINE DRIVEN AFW PUMPS	01/05/86 10/13/85 / /	OPEN / /	
85-14 08/26/85	SEQUOYAH W / UNITS 1 AND 2 VOLUNTARY SHUTDOWN BY TVA BECAUSE OF EQUIPMENT QUALIFICATION (EQ) INADEQUACIES	DL /STAHL C /	INITIATE STAFF REVIEW OF TVA SUBMITTALS	12/30/85 09/30/85 / /	OPEN / /	
85-15 09/09/85	PEACH BOTTOM 3 / NEW PIPE CRACK INDICATIONS	DE /LIAK B D DE /HAZELTON W	DETERMINE WHAT FUTURE ACTION NEEDED ON GENERIC BASIS	11/30/85 10/15/85 / /	OPEN / /	
85-17 09/23/85	PALO VERDE 1 / REACTOR TRIP,SAFETY INJECTION,LOSS OF PRESSURIZER AUXILIARY SPRA SYSTEM	DL /KNIGHTON G /	DETERMINE WHETHER PROBLEM IS GENERIC TO WATERFORD AND SAN ONOFRE	11/08/85 / / / /	OPEN / /	
85-18 09/30/85	MULTI / HURRICANE GLORIA RESPONSE	DST /RUBIN A /	DST WILL FACTOR EXPERIENCE INTO COMMISSION BRIEFING ON STATION BLACKOUT	11/14/85 10/30/85 / /	OPEN / /	COMMISSION MEETING ON 11/14/85
85-19 10/07/85	BRUNSWICK 2 / MSIVs FAILURE TO CLOSE	DL /GROTENHUIS M /	FOLLOWUP BRIEFING WHEN CAUSE AND IMPLICATIONS OF EVENT ARE FULLY UNDERSTOOD	12/15/85 / / / /	OPEN / /	

OPERATING REACTORS EVENTS MEETING FOLLOWUP ITEMS
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85-21 10/28/85	PALO VERDE / UNPLANNED REACTOR TRIP DURING TESTING	DL /MIRASLIA F /	DISCUSS WITH REGION 5 ACCEPTIBILITY OF RESTART	11/15/85 / / / /	OPEN / /	
85-21 10/28/85	PERRY / TEST RETURN LINE PIPING OVERPRESSURIZATI ON	DL /STEFANO J /	DETERMINE IF PIPING IS ADEQUATE BEFORE LICENSING DECISION	12/30/85 / / / /	OPEN / /	
85-21 10/28/85	TROJAN / INCORRECT SETPOINTS FOR TRIP OF AFW PUMPS ON LOW SUCTION PRESSURE	DSI /WERMIEL J /	REEXAMINE NEED FOR THIS INSTALLATION AND GENERIC APPLICABILITY	01/31/86 / / / /	OPEN / /	
85-22 11/04/85	GRAND GULF / RECIRCULATION PIPE CRACK	DE /HAZELTON W /	FOLLOWUP REGARDING GENERIC IMPLICATIONS AND ADEQUACY OF INHSI	12/04/85 / / / /	OPEN / /	
85-22 11/04/85	MC GUIRE 1 & 2 / DUAL UNIT TRIP ON LOSS OF INSTRUMENT AIR	IE /LANIK G /	CONSIDER ISSUANCE OF AN IE NOTICE	11/20/85 / / / /	OPEN / /	

