



# Point Beach Nuclear Plant U1R28 OCC Interactive Turnover

## Meeting Agenda Friday April 2, 2004

**Start Time:** 0600 1800

**Front Office Conference Room (FOCR)**

**Attendees:**

|                                  |                               |
|----------------------------------|-------------------------------|
| Shift Outage Directors (SOD)     | Rad Protection Manager (RPM)  |
| Shift Outage Managers (SOM)      | Chemistry Manager             |
| Operations Coordinators (SOC)    | IC General Supervisor         |
| Maintenance Coordinators (MOC)   | Electrical General Supervisor |
| Engineer Coordinators (EOM)      | Mechanical General Supervisor |
| Major Project Coordinators (MPC) | Supply Chain Manager          |
| Work Control Center SRO          |                               |

**Expected Duration:** 30 Minutes

- Agenda:**
1. Safety Issue Discussion (SOD)
  2. RP Status (RPM)
  3. Plant Status (SOC)
  4. Shutdown Safety Assessment (SOC)
  5. Operations Coordinator Turnover (SOC)
  6. Maintenance Coordinator Turnover (MOC)
  7. Engineering Coordinator Turnover (EOC)
  8. Major Projects Coordinator Turnover (MPC)
  9. Action Item Review (SOM)
  10. Critical Path (SOM)
  11. Shift Goals/Summary (SOM)
  12. ACEMAN Assessment (SOM)
  13. Final Comments (SOD)

**Items Included in Daily Package:**

- Safety Snippet
- Outage Alara Report
- Daily Outage Status Report
- Shutdown Safety Assessment
- Medium/High Risk Activities
- Action Register
- Defined Critical Path Review
- Daily Outage OE

F-26



## Point Beach Nuclear Plant U1R28 Refueling Outage

***"If it's Red don't climb but Green may be fine."***

A red tag on a scaffold means "DANGER - UNSAFE TO CLIMB." Yellow and green tags on scaffolding do allow climbing IF the scaffold has been checked during the shift and the appropriate precautions found on the tag are followed.

OE - U1R27, Substation employees from We Energies used a scaffolding to conduct an inspection. The only problem was the scaffold was Red Tagged, "DANGER UNSAFE TO CLIMB."



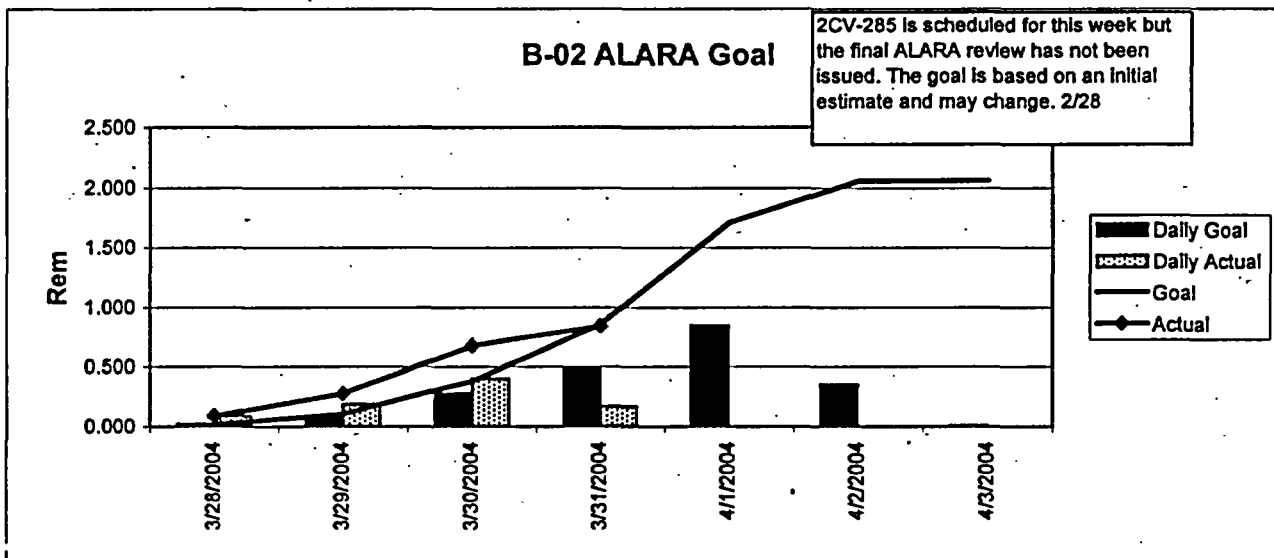
# Radiation Protection

Weekly ALARA Goal  
Point Beach Nuclear Power Plant

1-Apr-04



Year to Date **6.107 Rem** Goal as of **4/3/2004** **4.228 Rem**



### Goal

| Date         | Admin.       | Chem.        | C.E.         | Eng.         | Mtn.         | NRC          | Ops.         | R.P.         | Daily Total  | Accum. | Major Work |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------|------------|
| 28-Mar       | 0.000        | 0.001        | 0.000        | 0.000        | 0.000        | 0.000        | 0.021        | 0.000        | 0.022        | 0.022  | IT-04      |
| 29-Mar       | 0.000        | 0.001        | 0.015        | 0.007        | 0.024        | 0.000        | 0.030        | 0.008        | 0.085        | 0.107  | IT-03E     |
| 30-Mar       | 0.000        | 0.001        | 0.002        | 0.042        | 0.172        | 0.000        | 0.038        | 0.021        | 0.276        | 0.383  | 2CV-285    |
| 31-Mar       | 0.000        | 0.001        | 0.002        | 0.003        | 0.302        | 0.000        | 0.053        | 0.116        | 0.477        | 0.860  | 2CV-285    |
| 1-Apr        | 0.000        | 0.001        | 0.002        | 0.003        | 0.602        | 0.000        | 0.030        | 0.211        | 0.849        | 1.709  | 2CV-285    |
| 2-Apr        | 0.000        | 0.001        | 0.020        | 0.002        | 0.202        | 0.000        | 0.008        | 0.116        | 0.349        | 2.058  | 2CV-285    |
| 3-Apr        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.000        | 0.005        | 0.000        | 0.005        | 2.063  |            |
| <b>Total</b> | <b>0.000</b> | <b>0.006</b> | <b>0.041</b> | <b>0.057</b> | <b>1.302</b> | <b>0.000</b> | <b>0.185</b> | <b>0.472</b> | <b>2.063</b> |        |            |

### Actual

| Date         | Admin.       | Chem.        | C.E.         | Eng.         | Mtn.         | NRC          | Ops.         | R.P.         | Daily Total | Accum. | Major Work      |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--------|-----------------|
| 28-Mar       | 0.000        | 0.001        | 0.000        | 0.005        | 0.023        | 0.000        | 0.008        | 0.053        | 0.090       | 0.090  | 2LT-939         |
| 29-Mar       | 0.000        | 0.001        | 0.046        | 0.004        | 0.071        | 0.000        | 0.025        | 0.039        | 0.186       | 0.276  | 2LT-939         |
| 30-Mar       | 0.000        | 0.001        | 0.000        | 0.177        | 0.074        | 0.000        | 0.101        | 0.050        | 0.403       | 0.679  | U1C Radiography |
| 31-Mar       | 0.000        | 0.002        | 0.000        | 0.015        | 0.052        | 0.000        | 0.044        | 0.055        | 0.168       | 0.847  | U2C Entries     |
| 1-Apr        |              |              |              |              |              |              |              |              | 0.000       |        |                 |
| 2-Apr        |              |              |              |              |              |              |              |              | 0.000       |        |                 |
| 3-Apr        |              |              |              |              |              |              |              |              | 0.000       |        |                 |
| <b>Total</b> | <b>0.000</b> | <b>0.005</b> | <b>0.046</b> | <b>0.201</b> | <b>0.220</b> | <b>0.000</b> | <b>0.178</b> | <b>0.197</b> |             |        |                 |

## Daily Outage Status Report

Plant/Unit Point Beach / Unit 1

Today's Date 4/02/04

Outage Start Date 4/03/04 Day -1 of 28 of Outage Number U1R28

Type:  Planned  Refueling  Forced

**Safety Status** (include summary level cause, assessment, and associated actions)

**Industrial**

|                                   |          |                                  |          |                         |          |
|-----------------------------------|----------|----------------------------------|----------|-------------------------|----------|
| OSHA Recordables in last 24 hours | <u>0</u> | First Aid cases in last 24 hours | <u>0</u> | Significant near misses | <u>0</u> |
| Total for this outage             | <u>0</u> |                                  |          |                         |          |

Summary:  
• None

**Radiological**

|                     |          |                   |          |                |               |
|---------------------|----------|-------------------|----------|----------------|---------------|
| Dose outage to date | <u>0</u> | Projected to date | <u>0</u> | Outage Goal    | <u>≤75 R.</u> |
| Difference          | <u>0</u> |                   |          | Number of PCEs | <u>.0</u>     |

Summary:  
• None

**Nuclear**

Significant human performance errors and events in last 24 hours 0

Summary:  
• None

**Plant Status**

Mode 1 - Power Operations

RCS Temperature 566 Pressure 2235 RX Vessel Level N/A

Time to Boil: N/A Minutes/Hours Time to core uncover: N/A Hours

Overall site safe shutdown color: N/A

Protected Equipment Train None

**Outage Status**

Overall status of outage schedule:  Behind  Ahead 0 Hours

Summary of hours gained or lost and summary of last 24 hours

- N/A

**Critical Path/Major Activities**

Major Work Activities completed in last 24 hours

- LRPM Testing
- 
- 
- 
- 
- 

Major Work Activities NOT completed or delayed as planned

- N/A
- 
- 

Upcoming Major Work Activities

- Temp Power Installation to Support Bolted Fault MOD
- 
- 
- 

**Major Milestones/Outage Projects**

| Critical Path/Near Critical Path | Rev 0 Schedule Date/Time | Current Schedule Date/Time | Original Float | Current Float | Action to be taken | Change in Last 24 Hours |
|----------------------------------|--------------------------|----------------------------|----------------|---------------|--------------------|-------------------------|
| Reduce Pwr                       | 4/02/04<br>2200          | 4/02/04<br>2200            | 0              | 0             |                    |                         |
| Unit Off-Line                    | 4/02/04<br>0200          | 4/02/04<br>0200            | 0              | 0             |                    |                         |
| RCS Enters Mode 5 CSD            | 4/03/04<br>2100          | 4/03/04<br>2100            | 0              | 0             |                    |                         |
| B Train ESFAS                    | 4/04/04<br>1800          | 4/04/04<br>1800            | 0              | 0             |                    |                         |

**Emergent Issues In last 24 hours**

| Issue | Impact | Recovery Efforts | Assigned to | Expected Resolution Date |
|-------|--------|------------------|-------------|--------------------------|
|       |        |                  |             |                          |
|       |        |                  |             |                          |
|       |        |                  |             |                          |

**Action/Commitments/Follow-Up (Remove when resolved/completed)**

| Date Issued | Action/Issue | Plan to Resolve | Assigned to | Due Date | Fleet Assist Needed? |
|-------------|--------------|-----------------|-------------|----------|----------------------|
|             |              |                 |             |          |                      |
|             |              |                 |             |          |                      |
|             |              |                 |             |          |                      |
|             |              |                 |             |          |                      |

| U                             | ACT ID     | WO ST | GRP | HPE RISK                | EQUIPMENT     | Activity Description                         | Cal ID | DUR | START             | FINISH           | APR |       |       |       |       |       |       |       |       |       |  |   |
|-------------------------------|------------|-------|-----|-------------------------|---------------|--|--------|-----|-------------------|------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|---|
|                               |            |       |     |                         |               |  |        |     |                   |                  | M   | Thu 1 | Fri 2 | Sat 3 | Sun 4 | Mon 5 | Tue 6 | Wed 7 | Thu 8 | Fri 9 |  |   |
| <b>ELECTRICAL MAINTENANCE</b> |            |       |     |                         |               |  |        |     |                   |                  |     |       |       |       |       |       |       |       |       |       |  |   |
| 1                             | EM-8480K   | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | RPI           | PRE RPI COIL<br>RESISTANCE/INDUCTANCE        | 1      | 10  | 03APR04<br>07:00* | 03APR04<br>16:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> RPI SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT<br>0215213 - 128EM  |
| 1                             | EM-8480L   | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | R-1           | PRE CRDM COIL<br>RESISTANCE/INDUCTANCE       | 1      | 10  | 03APR04<br>07:00* | 03APR04<br>16:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> REACTOR VESSEL AND ASSEMBLY<br>0215214 - 128EM                     |
| 2                             | EM0305120  | 77    | EM  | DR-N ML-N<br>ORT3-N R-M | TG-01         | TG-01 GROUNDING STRAPS                       | 1      | 2   | 03APR04<br>17:00* | 03APR04<br>18:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> TURBINE GENERATOR (GENERIC; SEE COMPONENTS)<br>0305120 - B03A2     |
| 1                             | EM0215232A | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | Z-013         | Z-013 PERFORM INSPECTION<br>OF MANBASKET     | 1      | 8   | 04APR04<br>15:00  | 04APR04<br>22:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> CONTAINMENT CRANE<br>0215232 - 128EM                               |
| 1                             | EM0215234  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | Z-016         | INSTALLATION OF FUEL<br>MANIPULATOR          | 1      | 6   | 04APR04<br>17:00* | 04APR04<br>22:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> REACTOR CAVITY MANIPULATOR<br>0215234 - 128EM                      |
| 0                             | EM0215149  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | G-02          | MONITOR G-02 IAW RMP 9172<br>DURING -ORT-003 | 1      | 4   | 04APR04<br>19:00  | 04APR04<br>22:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> EMERGENCY DIESEL GENERATOR<br>0215149 - 128EM                      |
| 2                             | EM0305105  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | D-205         | UNIT 2 MONTHLY<br>NON-SAFETY 125V DC         | 1      | 4   | 05APR04<br>07:00* | 05APR04<br>10:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> 125V DC STATION BATTERY<br>0305105 - B03A2                         |
| 0                             | EM0215148  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | G-01          | MONITOR G-01 IAW RMP 9172<br>DURING -ORT-003 | 1      | 4   | 05APR04<br>19:00  | 05APR04<br>22:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> EMERGENCY DIESEL GENERATOR<br>0215148 - 128EM                      |
| 0                             | EM0305200  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | 125V          | STATION TECH SPEC<br>BATTERIES WEEKLY        | 1      | 3   | 06APR04<br>07:00* | 06APR04<br>09:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> 125V SYSTEM MULTI AND/OR N<br>0305200 - B03A2                      |
| 1                             | EM0215211  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | P-028B-M      | 1P28B MCE ANALYZE MOTOR<br>(1A52-13/1A-02)   | 1      | 3   | 06APR04<br>11:00* | 06APR04<br>13:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> STEAM GENERATOR FEED PUMP MOTOR<br>0215211 - 128EM                 |
| 1                             | EM0215210  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | P-028A-M      | 1P28A MCE ANALYZE MOTOR<br>(1A52-05/1A-01)   | 1      | 5   | 06APR04<br>14:00* | 06APR04<br>18:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> STEAM GENERATOR FEED PUMP MOTOR<br>0215210 - 128EM                 |
| 2                             | EM0305127  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | U2A-UV RELAYS | TEST U2A-UV RELAYS<br>2RMP 9071-1 & 9075-1   | 1      | 4   | 06APR04<br>17:00* | 06APR04<br>20:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> TRAIN A 4.16 KV AND 480 V SWITCHGEAR RELAY TEST<br>0305127 - B03A2 |
| 2                             | EM0305132  | 76    | EM  | DR-N ML-N<br>ORT3-N R-M | U2B-UV RELAYS | TEST U2B-UV RELAYS<br>2RMP 9071-2 & 9075-2   | 1      | 4   | 06APR04<br>21:00* | 07APR04<br>00:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> TRAIN B 4.16 KV AND 480 V SWITCHGEAR RELAY TEST<br>0305132 - B03A2 |
| 0                             | EM0309068  | 76    | EM  | DR-Y ML-Y<br>ORT3-N R-M | D-105         | WEEKLY STATION BATTERY<br>INSPECTION         | 1      | 3   | 07APR04<br>07:00* | 07APR04<br>09:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> 125V DC STATION BATTERY<br>0309068 - B03A2                         |
| 0                             | EM0309132  | 76    | EM  | DR-Y ML-Y<br>ORT3-N R-M | D-106         | WEEKLY STATION BATTERY<br>INSPECTION         | 1      | 3   | 07APR04<br>07:00* | 07APR04<br>09:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> 125V DC STATION BATTERY<br>0309132 - B03A2                         |
| 1                             | EM0312035  | 71    | EM  | DR-Y ML-Y<br>ORT3-N R-M | P-028B-M      | 1P-28B-M CLEAN, INSPECT<br>AND MAINTAIN      | 7      | 60  | 08APR04<br>07:00* | 11APR04<br>02:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> STEAM GENERATOR FEED PUMP MOTOR<br>0312035 - 128EM                 |
| <b>I&amp;C MAINTENANCE</b>    |            |       |     |                         |               |  |        |     |                   |                  |     |       |       |       |       |       |       |       |       |       |  |   |
| 1                             | IC5.58ATRN | 76    | IC  | DR-N ML-N<br>ORT3-N R-M | ICP-05.058    | ESF TRN A TIME DELAY<br>RELAY CAL            | 1      | 7   | 04APR04<br>00:00  | 04APR04<br>06:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> SAFEGUARDS TIMING RELAY CALIBRATION<br>0300876 - 128IC             |
| 1                             | IC0213684  | 76    | IC  | DR-Y ML-Y<br>ORT3-N R-M | TDR-29        | 1TDR-29 INSPECT RELAY<br>BASE                | 1      | 6   | 04APR04<br>07:00  | 04APR04<br>12:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> TRAIN B SI 90 SEC TIME DELAY RELAY<br>0213684 - 128IC              |
| 1                             | IC5.58BTRN | 76    | IC  | DR-N ML-N<br>ORT3-N R-M | ICP-05.058    | ESF TRN B TIME DELAY<br>RELAY CAL            | 1      | 6   | 04APR04<br>07:00  | 04APR04<br>12:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> SAFEGUARDS TIMING RELAY CALIBRATION<br>0300877 - 128IC             |
| 1                             | ICORT-3B   |       | IC  | DR-N ML-N<br>ORT3-Y R-M | ESF-B         | I&C ORT #3B INVOLVEMENT                      | 1      | 8   | 04APR04<br>19:00  | 05APR04<br>02:59 |     |       |       |       |       |       |       |       |       |       |  | <input type="checkbox"/> I&C SUPPORT OF ORT-03B<br>128IC                                    |

Early Bar  
 Progress Bar  
 Critical Activity

| U | ACT ID | WO ST | GRP | HPE RISK | EQUIPMENT | Activity Description | Cal ID | DUR | START | FINISH | APR |       |       |       |       |       |       |
|---|--------|-------|-----|----------|-----------|----------------------|--------|-----|-------|--------|-----|-------|-------|-------|-------|-------|-------|
|   |        |       |     |          |           |                      |        |     |       |        | M   | Thu 1 | Fri 2 | Sat 3 | Sun 4 | Mon 5 | Tue 6 |

| I&C MAINTENANCE |            |    |    |                         |            |                                   |   |   |                  |                  |   |
|-----------------|------------|----|----|-------------------------|------------|-----------------------------------|---|---|------------------|------------------|---|
| 1               | IC5.58APMT | 76 | IC | DR-N ML-N<br>ORT3-Y R-M | ICP-05.058 | ESF TRN A TIME DELAY<br>RELAY PMT | 1 | 7 | 05APR04<br>19:00 | 06APR04<br>01:59 | SAFEGUARDS TIMING RELAY CALIBRATION <input type="checkbox"/><br>0300876 - 128IC<br><br><input type="checkbox"/> I&C SUPPORT OF ORT-03B<br>128IC<br><br>REFUELING CAVITY PREPARATION <input type="checkbox"/><br>0300894 - 128IC |
| 1               | ICORT-3A   |    | IC | DR-N ML-N<br>ORT3-Y R-M | ESF-B      | I&C ORT #3A INVOLVEMENT           | 1 | 8 | 05APR04<br>19:00 | 06APR04<br>02:59 |   |
| 1               | IC10.42A   | 76 | IC | DR-Y ML-Y<br>ORT3-Y R-M | ICP-10.042 | ICP 10.42 CAVITY PREPS            | 1 | 3 | 07APR04<br>07:00 | 07APR04<br>09:59 |   |

| I&C - J. SCHMIDT |           |    |     |                         |    |                                   |   |    |                  |                  |  |
|------------------|-----------|----|-----|-------------------------|----|-----------------------------------|---|----|------------------|------------------|--|
| 1                | IC0301055 | 76 | IC2 | DR-Y ML-Y<br>ORT3-Y R-M | EH | 1EH INSTALL PULSATION<br>DAMPENER | L | 32 | 03APR04<br>17:00 | 06APR04<br>00:59 | EH SYSTEM MULTI AND/OR NON-NU<br>0301055 - 128IC<br><br>EH SYSTEM MULTI AND/OR NON-NU<br>0301056 - 128IC |
| 1                | IC0301056 | 76 | IC2 | DR-Y ML-Y<br>ORT3-Y R-M | EH | 1EH INSTALL RUBBER<br>ISOLATORS   | L | 32 | 03APR04<br>17:00 | 06APR04<br>00:59 |  |

| I&C VALVE TEAM |            |    |     |                         |          |                                       |   |   |                   |                  |  |
|----------------|------------|----|-----|-------------------------|----------|---------------------------------------|---|---|-------------------|------------------|--|
| 1              | IC0305856  | 76 | ICV | DR-Y ML-Y<br>ORT3-Y R-M | MS-02085 | 1MS-2085 CONNECT VALVE<br>MONITOR MTE | 1 | 2 | 02APR04<br>18:00* | 02APR04<br>19:59 | HX-22D MSR INLET STEAM CONTROL<br>0305856 - 128IC<br><br>HX-22D MSR INLET STEAM CONTROL<br>0305856 - 128IC |
| 1              | IC0305856A | 76 | ICV | DR-Y ML-Y<br>ORT3-Y R-M | MS-02085 | 1MS-2085 MONITOR<br>VALVES/REMOVE MTE | 1 | 3 | 03APR04<br>00:00  | 03APR04<br>02:59 |  |

| MECHANICAL MAINTENANCE MM1 RIDINGS/ SCHEINOHA |           |    |     |                         |         |   |   |    |                   |                  |   |
|---|-----------|----|-----|-------------------------|---------|---|---|----|-------------------|------------------|---|
| 1   | MM-8480A1 | 73 | MM1 | DR-N ML-N<br>ORT3-N R-H | R-1     | RV HEAD UNDRESS RMP-9096<br>THRU STEP 5.1.10      | 1 | 8  | 04APR04<br>23:00  | 05APR04<br>06:59 | REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>CONTAINMENT FUEL UPENDER <input type="checkbox"/><br>0212777 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM<br><br>REACTOR VESSEL AND ASSEMBLY <input type="checkbox"/><br>0214134 - 128MM |
| 1   | MM-8480A2 | 73 | MM1 | DR-N ML-N<br>ORT3-N R-H | R-1     | RV HEAD UNDRESS RMP-9096<br>THRU STEP 5.1.17      | 1 | 10 | 05APR04<br>18:00  | 06APR04<br>03:59 |   |
| 1   | MM-8480V  | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | INSTALL ZIP LIFTS R-1                             | 1 | 12 | 06APR04<br>04:00  | 06APR04<br>15:59 |   |
| 1   | MM-8480A3 | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | RV HEAD UNDRESS RMP-9096<br>THRU 5.1.42           | 1 | 15 | 06APR04<br>16:00  | 07APR04<br>06:59 |   |
| 1   | MM0212777 | 76 | MM1 | DR-Y ML-Y<br>ORT3-Y R-M | Z-024B1 | 1Z-24B1 TACK WELD CABLE<br>KEEPER                 | 1 | 8  | 07APR04<br>09:00* | 07APR04<br>16:59 |   |
| 1   | MM-8480B  | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | REMOVE THE PRESSURIZER<br>VENT FLANGE             | 1 | 3  | 07APR04<br>20:00  | 07APR04<br>22:59 |   |
| 1   | MM-8480T  | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | REMOVE HEAD VENT SPOOL<br>PIECE                   | 1 | 1  | 07APR04<br>20:00  | 07APR04<br>20:59 |   |
| 1   | MM-8480S  | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | REMOVE INSULATION RV<br>HEAD PER RMP 9096         | 1 | 6  | 08APR04<br>02:00  | 08APR04<br>07:59 |   |
| 1   | MM-8480C1 | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | HEAD DETENSION PREPS<br>(MOVE EQUIP. INTO CAVITY) | 1 | 2  | 08APR04<br>08:00  | 08APR04<br>09:59 |   |
| 1   | MM-8480C2 | 73 | MM1 | DR-Y ML-Y<br>ORT3-Y R-H | R-1     | DETENSION RV HEAD STUDS                           | 1 | 5  | 08APR04<br>10:00  | 08APR04<br>14:59 |   |

| MECHANICAL MAINTENANCE - RIDINGS SCHEIN (RCP "B") |          |    |     |                         |        |   |   |    |                   |                  |   |
|---|----------|----|-----|-------------------------|--------|---|---|----|-------------------|------------------|---|
| 1   | MM-8485A | 76 | MM3 | DR-N ML-N<br>ORT3-N R-M | P-001B | STAGE SEAL COLLECTION<br>RIG P-1B, RMP 9002-8 | 1 | 10 | 05APR04<br>06:00* | 05APR04<br>15:59 | REACTOR COOLANT PUMP<br>0214119 - 128MM |







after 01APR04 12:00

# Defined Critical Path

after 01APR04 12:00

| U                    | ID         | DESCRIPTION                                      | OD | RD | Cal | U | SYS    | EQID       | TF | APR                                 |   |  |
|----------------------|------------|--|----|----|-----|---|--------|------------|----|-------------------------------------|---|--|
|                      |            |  |    |    |     |   |        |            |    | 1                                   | 2   | 3  |
|                      |            |  |    |    |     |   |        |            |    | 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 | 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 | 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22  |
| <b>02APR04 00:00</b> |            |  |    |    |     |   |        |            |    | <b>02APR04 00:00</b>                |   |  |
| 1                    | OP3A-000   | OP-3A PRELIMINARIES                              | 5  | 5  | 1   | 1 | XX     | OP-3A      | 0  |                                     |   | OP3A-000 OP-3A PRELIMINARIES<br>02APR04 17:00 02APR04 21:59  |
| 1                    | OP3A-100   | REDUCE POWER TO <50%                             | 2  | 2  | 1   | 1 | TU     | OP-3A      | 0  |                                     |   | OP3A-100 REDUCE POWER TO <50%<br>02APR04 22:00 02APR04 23:59   |
| 1                    | OP3B-020   | PRE REACTOR SHUTDOWN IPTE BRIEF                  | 1  | 1  | 1   | 1 | ADMIN  | OP-3B      | 3  |                                     |   | OP3B-020 PRE REACTOR SHUTDOWN IPTE BRIEF<br>02APR04 23:00 02APR04 23:59                              |
| <b>03APR04 00:00</b> |            |  |    |    |     |   |        |            |    | <b>03APR04 00:00</b>                |   |  |
| 1                    | OP3A-110   | SINGLE UP FEED/COND/HTR DRAIN/CIRC WATER         | 1  | 1  | 1   | 1 | CS     | OP-3A      | 1  |                                     |   | OP3A-110 SINGLE UP FEED/COND/HTR DRAIN/CIRC WATER<br>03APR04 00:00 03APR04 00:59                     |
| 1                    | OP3A-120   | REDUCE POWER TO <30%                             | 1  | 1  | 1   | 1 | TU     | OP-3A      | 0  |                                     |   | OP3A-120 REDUCE POWER TO <30%<br>03APR04 00:00 03APR04 00:59   |
| 1                    | OP3A-130   | REDUCE POWER TO 20MWE                            | 1  | 1  | 1   | 1 | TU     | OP-3A      | 0  |                                     |   | OP3A-130 REDUCE POWER TO 20MWE<br>03APR04 01:00 03APR04 01:59  |
| 1                    | OP3A-140   | TRIP MAIN GENERATOR OUTPUT BREAKER               | 0  | 0  | 1   | 1 | TU     | OP-3A      | 0  |                                     |   | OP3A-140 TRIP MAIN GENERATOR OUTPUT BREAKER<br>03APR04 02:00 03APR04 01:59                           |
| 1                    | OP3A-170   | TRIP MAIN TURBINE AND COASTDOWN                  | 1  | 1  | 1   | 1 | TU     | TG-01-G    | 0  |                                     |   | OP3A-170 TRIP MAIN TURBINE AND COASTDOWN<br>03APR04 02:00 03APR04 02:59                              |
| 1                    | EP0302672  | VT-2 ASME XI PERIODIC PRESSURE TEST - MS         | 2  | 2  | 1   | 1 | MS     | MS         | 2  |                                     |   | EP0302672 VT-2 ASME XI PERIODIC PRESSURE TEST - MS<br>03APR04 02:00 0302672 - 03APR04 03:59          |
| 1                    | OP3B-010   | REACTOR SHUTDOWN                                 | 0  | 0  | 1   | 1 | RDC    | OP-3B      | 0  |                                     |   | OP3B-010 REACTOR SHUTDOWN<br>03APR04 03:00 03APR04 02:59   |
| 1                    | OP5B-020   | MAINTAIN 'A' BAST LEVEL IAW 0-SOP-BS-08          | 3  | 3  | 1   | 1 | BS     | T-006A     | 0  |                                     |   | OP5B-020 MAINTAIN 'A' BAST LEVEL IAW 0-SOP-BS-08<br>03APR04 03:00 03APR04 05:59                      |
| 1                    | EP0301898  | VT-2 ASME XI PERIODIC PRESSURE TEST - MS         | 4  | 4  | 1   | 1 | MS     | MS         | 1  |                                     |   | EP0301898 VT-2 ASME XI PERIODIC PRESSURE TEST - MS<br>03APR04 03:00 0301898 - 03APR04 06:59          |
| 1                    | RPJF-101A  | CONTAINMENT PRIORITY SURVEYS                     | 4  | 4  | 1   | 1 | POST-C | CONT       | 0  |                                     |   | RPJF-101A CONTAINMENT PRIORITY SURVEYS<br>03APR04 03:00 03APR04 06:59                                |
| 1                    | RPJF-101B  | INSTALL LHRA SIGNS IN CONTAINMENT                | 4  | 4  | 1   | 1 | CONT   | CONT       | 0  |                                     |   | RPJF-101B INSTALL LHRA SIGNS IN CONTAINMENT<br>03APR04 03:00 0303769 - 03APR04 06:59                 |
| 1                    | IC4.24N31A | ICP 4.24 SR N-31 DC VOLT CHECKS & RMV INST FUSES | 1  | 1  | 5   | 1 | NI     | ICP-04.024 | 3  |                                     |   | IC4.24N31A ICP 4.24 SR N-31 DC VOLT CHECKS & RMV INST FUSES<br>03APR04 06:00 0300837 - 03APR04 06:59 |
| 1                    | OP3C490F   | COOLDOWN RCS TO 500 - 490 deg F                  | 1  | 1  | 1   | 1 | RC     | OP-3C      | 0  |                                     |   | OP3C490F COOLDOWN RCS TO 500 - 490 deg F<br>03APR04 06:00 03APR04 06:59                              |
| 1                    | OP3C1000   | REDUCE RCS PRESSURE & BLOCK SI                   | 1  | 1  | 1   | 1 | RC     | OP-3C      | 0  |                                     |   | OP3C1000 REDUCE RCS PRESSURE & BLOCK SI<br>03APR04 07:00 03APR04 07:59                               |
| 1                    | EP0305568  | PERFORM VT-2 OF B SI ACCUMULATOR NOZZLES         | 2  | 2  | 1   | 1 | SI     | T-034B     | 3  |                                     |   | EP0305568 PERFORM VT-2 OF B SI ACCUMULATOR NOZZLES<br>03APR04 07:00 0305568 - 03APR04 08:59          |

Run Date 01APR04 12:58

LT-16 DEFINED CRITICAL PATH  
FL-16 DEFINED CRITICAL PATH SET

Sheet 1 of 2

after 01APR04 12:00

# Defined Critical Path

after 01APR04 12:00

| U                    | ID         | DESCRIPTION                              | OD | RD | Cal | U | SYS   | EQID       | TF | APR                                 |   |  |
|----------------------|------------|--|----|----|-----|---|-------|------------|----|-------------------------------------|---|--|
|                      |            |  |    |    |     |   |       |            |    | 1                                   | 2   | 3  |
|                      |            |  |    |    |     |   |       |            |    | 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 | 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 | 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22  |
| <b>03APR04 00:00</b> |            |  |    |    |     |   |       |            |    | <b>03APR04 00:00</b>                |   |  |
| 1                    | EP0301900  | INITIAL WALKDOWN OF RCS                  | 4  | 4  | 1   | 1 | RC    | RC         | 1  |                                     |   | EP0301900 INITIAL WALKDOWN OF RCS<br>0301900 - 03APR04 10:59 03APR04 07:00                   |
| 1                    | IC9950756  | N-35 ECAD CABLE TESTING                  | 7  | 7  | 5   | 1 | NI    | N-00035    | 3  |                                     |   | IC9950756 N-35 ECAD CABLE TESTING<br>9950756 - 03APR04 13:59 03APR04 07:00                   |
| 1                    | OP3C375F   | COOLDOWN RCS TO 370 - 380 deg F          | 2  | 2  | 1   | 1 | RC    | OP-3C      | 0  |                                     |   | OP3C375F COOLDOWN RCS TO 370 - 380 deg F<br>03APR04 08:00 03APR04 09:59                      |
| 1                    | OP3C-060   | COMPLETE MODE 4 LOGS                     | 1  | 1  | 1   | 1 | ADMIN | OI-31      | 1  |                                     |   | OP3C-060 COMPLETE MODE 4 LOGS<br>03APR04 10:00 03APR04 10:59                                 |
| 1                    | IT-240     | IST OF SI ACCUMULATOR VALVES             | 2  | 2  | 1   | 1 | SI    | O-IT-0240  | 0  |                                     |   | IT-240 IST OF SI ACCUMULATOR VALVES<br>0215896 - 03APR04 11:59 03APR04 10:00                 |
| 1                    | OP3C340F   | COOLDOWN RCS TO 330 - 340 deg F          | 1  | 1  | 1   | 1 | RC    | OP-3C      | 0  |                                     |   | OP3C340F COOLDOWN RCS TO 330 - 340 deg F<br>03APR04 12:00 03APR04 12:59                      |
| 1                    | CL-4C      | ALIGN PORV's FOR LTOP PER CL 4C          | 2  | 2  | 1   | 1 | RC    | CL-04C     | 1  |                                     |   | CL-4C ALIGN PORV's FOR LTOP PER CL 4C<br>03APR04 12:00 03APR04 13:59                         |
| 1                    | OP3C-080   | REMOVE P-15B FROM SERVICE                | 2  | 2  | 1   | 1 | SI    | P-015A     | 0  |                                     |   | OP3C-080 REMOVE P-15B FROM SERVICE<br>03APR04 13:00 03APR04 14:59                            |
| 1                    | OP3C-090   | ISOLATE SI ACCUMULATORS                  | 2  | 2  | 1   | 1 | SI    | OP-3C      | 1  |                                     |   | OP3C-090 ISOLATE SI ACCUMULATORS<br>03APR04 13:00 03APR04 14:59                              |
| 1                    | OP5D-025   | RCS DEGAS /BYPASS VCT/ INERT w/NITROGEN  | 12 | 12 | 1   | 1 | CV    | OP-5D      | 1  |                                     |   | OP5D-025 RCS DEGAS /BYPASS VCT/ INERT w/NITROGEN<br>04APR04 00:59 03APR04 13:00              |
| 1                    | IC4.24N31B | ICP 4.24 SR N-31 INSTAL INST FUSES & CAL | 15 | 15 | 5   | 1 | NI    | ICP-04.024 | 3  |                                     |   | IC4.24N31B ICP 4.24 SR N-31 INSTAL INST FUSES & CAL<br>0300837 - 04APR04 16:59 03APR04 14:00 |
| 1                    | OP3C-020   | ESTABLISH LTOP PROTECTION                | 1  | 1  | 1   | 1 | RC    | OP-3C      | 0  |                                     |   | OP3C-020 ESTABLISH LTOP PROTECTION<br>03APR04 15:59 03APR04 15:00                            |
| 1                    | OP3C0300   | REDUCE RCS PRESS TO 275-325 PSIG         | 1  | 1  | 1   | 1 | RC    | OP-3C      | 1  |                                     |   | OP3C0300 REDUCE RCS PRESS TO 275-325 PSIG<br>03APR04 15:59 03APR04 15:00                     |
| 1                    | OP3C-045   | COMPLETE MODE 5, 6 LOGS                  | 1  | 1  | 1   | 1 | ADMIN | OP-3C      | 4  |                                     |   | OP3C-045 COMPLETE MODE 5, 6 LOGS<br>03APR04 18:59 03APR04 16:00                              |
| 1                    | OP7A-010   | PLACE RHR IN SERVICE                     | 3  | 3  | 1   | 1 | RH    | OP-7A      | 1  |                                     |   | OP7A-010 PLACE RHR IN SERVICE<br>03APR04 18:59 03APR04 16:00                                 |
| 1                    | OP3C-040   | FILL PZR SOLID AND COOLDOWN PZR          | 5  | 5  | 1   | 1 | RC    | OP-3C      | 0  |                                     |   | OP3C-040 FILL PZR SOLID AND COOLDOWN PZR<br>03APR04 20:59 03APR04 16:00                      |
| 1                    | OP3C250F   | COOLDOWN RCS TO 210 - 201 deg F          | 5  | 5  | 1   | 1 | RC    | OP-3C      | 0  |                                     |   | OP3C250F COOLDOWN RCS TO 210 - 201 deg F<br>03APR04 20:59 03APR04 16:00                      |

after 01APR04 12:00

# WORKING SCHEDULE

after 01APR04 12:00

| # | U | ID | RESP | WO ST | EQID | DESCRIPTION | RD | ES | EF | RISK | MF | APR |   |   |
|---|---|----|------|-------|------|-------------|----|----|----|------|----|-----|---|---|
|   |   |    |      |       |      |             |    |    |    |      |    | 1   | 2 | 3 |

| ADMINISTRATIVE SERVICES |   |            |     |  |           |   |   |               |               |                      |   | ADM |  |  |            |   |  |  |  |
|-------------------------|---|------------|-----|--|-----------|---|---|---------------|---------------|----------------------|---|-----|--|--|------------|---|--|--|--|
| 1                       | 1 | NRC-CALL-1 | ADM |  | MILESTONE | O.D. CALL NRC TO WITNESS INITIAL RCS WALKDOWN | 1 | 03APR04 04:00 | 03APR04 04:59 | DR-Y ML-Y ORT3-Y R-L | 0 |     |  |  | NRC-CALL-1 | O.D. CALL NRC TO WITNESS INITIAL RCS WALKDOWN |  |  |  |

| APPLETON METERING GROUP |   |           |     |    |          |                                 |   |                |               |                      |    | APM |  |  |           |                                 |  |  |  |
|-------------------------|---|-----------|-----|----|----------|---------------------------------|---|----------------|---------------|----------------------|----|-----|--|--|-----------|---------------------------------|--|--|--|
| 2                       | 1 | AP0212768 | APM | 74 | X-04-T11 | 1X-04 TOP OIL GAUGE HANDS STICK | 6 | 03APR04 07:00* | 03APR04 12:59 | DR-N ML-N ORT3-N R-L | 74 |     |  |  | AP0212768 | 1X-04 TOP OIL GAUGE HANDS STICK |  |  |  |

| APPLETON STATION GROUP |   |           |     |    |          |   |      |               |               |                      |   | APS |  |  |           |  |  |  |  |
|------------------------|---|-----------|-----|----|----------|---|------|---------------|---------------|----------------------|---|-----|--|--|-----------|--|--|--|--|
| 3                      | 1 | APSGNDIN  | APS |    | X-01     | APPLETON INSTALL GROUNDS FOR MAIN XFORMER | 4    | 03APR04 04:00 | 03APR04 07:59 | DR-N ML-N ORT3-N R-L | 0 |     |  |  | APSGNDIN  | APPLETON INSTALL GROUNDS FOR MAIN XFORMER                                  |  |  |  |
| 4                      | 0 | L121SO1   | APS |    | F52-121  | SWITCHING LINE 121 OUT "PBNP YARD"        | 4    | 03APR04 04:00 | 03APR04 07:59 | DR-N ML-N ORT3-N R-L | 0 |     |  |  |           | L121SO1 SWITCHING LINE 121 OUT "PBNP YARD"                                 |  |  |  |
| 5                      | 0 | L121OOS1  | APS |    | F52-121  | LINE 121 OUT OF SERVICE (1ST TIME)        | 157* | 03APR04 04:00 | 09APR04 16:59 | DR-N ML-N ORT3-N R-L | 0 |     |  |  |           | L121OOS1 LINE 121 OUT OF SERVICE (1ST TIME)                                |  |  |  |
| 6                      | 1 | AP0215100 | APS | 76 | F89-122B | SPECT/CLEAN/LUBRICATE OPERATOR            | 3    | 03APR04 08:00 | 03APR04 10:59 | DR-N ML-N ORT3-N R-L | 0 |     |  |  | AP0215100 | INSPECT/CLEAN/LUBRICATE OPERATOR TG-01 OUTPUT MOTORIZED DISCONNECT 0215100 |  |  |  |
| 7                      | 1 | AP0215097 | APS | 76 | F52-122  | BREAKER INSP/SF-6 MOISTURE CHECKS         | 4    | 03APR04 08:00 | 03APR04 11:59 | DR-N ML-N ORT3-N R-L | 8 |     |  |  | AP0215097 | BREAKER INSP/SF-6 MOISTURE CHECKS TG-01 OUTPUT BREAKER 0215097             |  |  |  |
| 8                      | 0 | L121APS1  | APS |    | F52-121  | APS INSTALL LINE 121 FOUNDATIONS          | 149  | 03APR04 08:00 | 09APR04 12:59 | DR-Y ML-Y ORT3-Y R-L | 0 |     |  |  |           | L121APS1 APS INSTALL LINE 121 FOUNDATIONS                                  |  |  |  |

| CONSTRUCTION ENGINEERING GROUP |   |            |    |  |            |  |   |                |               |                      |    | CE |  |  |            |  |  |  |  |
|--------------------------------|---|------------|----|--|------------|--|---|----------------|---------------|----------------------|----|----|--|--|------------|--|--|--|--|
| 9                              | 1 | NG-POWR-SL | CE |  | SLUDGE LAN | SET SLUDGE LANCE DIESEL AT S/L TRAILER | 2 | 01APR04 10:00A | 01APR04 13:59 | DR-Y ML-Y ORT3-Y R-L | 33 |    |  |  | NG-POWR-SL | SET SLUDGE LANCE DIESEL AT S/L TRAILER |  |  |  |

| SCAFFOLDING and INSULATION - NPS |   |            |     |    |          |  |    |                |               |                      |     | CE4 |  |  |            |   |  |  |  |
|----------------------------------|---|------------|-----|----|----------|--|----|----------------|---------------|----------------------|-----|-----|--|--|------------|---|--|--|--|
| 10                               | 1 | CE44TOHTR  | CE4 | 77 | IST-SISI | REM INSUL FOR FAC PROG - TURB HALL 44 FT OVERHD  | 5  | 02APR04 17:00* | 02APR04 21:59 | DR-N ML-N ORT3-N R-L | 76  |     |  |  | CE44TOHTR  | REM INSUL FOR FAC PROG - TURB HALL 44 FT OVERHD             |  |  |  |
| 11                               | 1 | CE08TGA1TR | CE4 | 77 | IST-SISI | REM INSUL FOR FAC PROG - TURB HALL 8 FT GEN AREA | 10 | 02APR04 17:00* | 03APR04 02:59 | DR-N ML-N ORT3-N R-L | 280 |     |  |  | CE08TGA1TR | REM INSUL FOR FAC PROG - TURB HALL 8 FT GEN AREA            |  |  |  |
| 12                               | 1 | CE44T002TR | CE4 |    | TG-01-T  | REMOVE INSUL FROM TURB/PIPING MANWAYS            | 10 | 02APR04 17:00* | 03APR04 02:59 | DR-N ML-N ORT3-N R-L | 29  |     |  |  | CE44T002TR | REMOVE INSUL FROM TURB/PIPING MANWAYS HIGH PRESSURE TURBINE |  |  |  |
| 13                               | 1 | CE26TGATR  | CE4 | 77 | IST-SISI | REM INSUL FOR FAC PROG - TRB HALL 26 FT GEN AREA | 20 | 02APR04 17:00* | 03APR04 12:59 | DR-N ML-N ORT3-N R-L | 0   |     |  |  | CE26TGATR  | REM INSUL FOR FAC PROG - TRB HALL 26 FT GEN AREA            |  |  |  |
| 14                               | 1 | CE44TGATR  | CE4 | 77 | IST-SISI | REM INSUL FOR FAC PROG - TRB HALL 44 FT GEN AREA | 20 | 02APR04 17:00* | 03APR04 12:59 | DR-N ML-N ORT3-N R-L | 71  |     |  |  | CE44TGATR  | REM INSUL FOR FAC PROG - TRB HALL 44 FT GEN AREA            |  |  |  |
| 15                               | 1 | CE08TOHTR  | CE4 | 77 | IST-SISI | REM INSUL FOR FAC PROG - TURB HALL 8 FT OVERHD   | 30 | 02APR04 17:00* | 03APR04 22:59 | DR-N ML-N ORT3-N R-L | 0   |     |  |  | CE08TOHTR  | REM INSUL FOR FAC PROG - TURB HALL 8 FT OVERHD              |  |  |  |
| 16                               | 1 | CE26TOHTR  | CE4 | 77 | IST-SISI | REM INSUL FOR FAC PROG - TURB HALL 26 FT OVERHD  | 30 | 02APR04 17:00* | 03APR04 22:59 | DR-N ML-N ORT3-N R-L | 0   |     |  |  | CE26TOHTR  | REM INSUL FOR FAC PROG - TURB HALL 26 FT OVERHD             |  |  |  |





after 01APR04 12:00

# WORKING SCHEDULE

after 01APR04 12:00

| #   | U | ID         | RESP | WO ST | EQID       | DESCRIPTION                              | RD  | ES             | EF            | RISK                 | MF  | APR   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
|---|---|------------|------|-------|------------|--|-----|----------------|---------------|----------------------|-----|---|---|----|----|----|----|----|----|----|---|---|---|---|---|----|----|----|----|----|----|----|---|---|---|---|---|----|----|----|
|   |   |            |      |       |            |  |     |                |               |                      |     | 1   |   |    |    |    |    |    | 2  |    |   |   |   |   |   | 3  |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
|   |   |            |      |       |            |  |     |                |               |                      |     | 6   | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 |
| <b>ENGINEERING PROGRAMS - INSPECTION SERVICES</b> |   |            |      |       |            |  |     |                |               |                      |     | <b>EPI</b>  |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 52  | 1 | EP0301900  | EPI  | 77    | RC         | INITIAL WALKDOWN OF RCS                  | 4   | 03APR04 07:00  | 03APR04 10:59 | DR-Y ML-Y ORT3-Y R-L | 0   | EP0301900 INITIAL WALKDOWN OF RCS RC SYSTEM MULTI AND/OR NON-NUMBERED EQUIPMENT 0301900                         |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| <b>FACILITIES GROUP - UTILITY GROUP</b>           |   |            |      |       |            |  |     |                |               |                      |     | <b>FG1</b>  |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 53  | 1 | CTMT-010   | FG1  |       | SUMMARY    | CTMT INTEGRITY HATCH OPERATION           | 27* | 03APR04 03:00  | 04APR04 05:59 | DR-N ML-N ORT3-N R-L | 0   | CTMT-010 CTMT INTEGRITY HATCH OPERATION CONTAINMENT PERSONNEL ACCESS HATCH(S)                                   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| <b>FACILITIES GROUP - MTN MECH OPER NORTH</b>     |   |            |      |       |            |  |     |                |               |                      |     | <b>FG2</b>  |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 54  | 1 | FG0300161  | FG2  | 77    | U1-CONTAIN | RELAMP CONTAINMENT                       | 12  | 03APR04 05:00  | 03APR04 16:59 | DR-N ML-N ORT3-N R-L | 288 | FG0300161 RELAMP CONTAINMENT UNIT 1 CONTAINMENT 0300161   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| <b>I&amp;C MAINTENANCE</b>                        |   |            |      |       |            |  |     |                |               |                      |     | <b>IC</b>   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 55  | 1 | IC-P1ATDT  | IC   | 76    | P-001A     | P-1A PRE SHUT DOWN TRIP ACTUATION        | 1   | 02APR04 18:00* | 02APR04 18:59 | DR-Y ML-Y ORT3-Y R-L | 0   | IC-P1ATDT P-1A PRE SHUT DOWN TRIP ACTUATION DEVICE TEST 0300925 REACTOR COOLANT PUMP                            |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 56  | 1 | IC-P1BTD1  | IC   | 76    | P-001B     | P-1B PRE SHUT DOWN TRIP ACTUATION        | 1   | 02APR04 18:00* | 02APR04 18:59 | DR-Y ML-Y ORT3-Y R-L | 11  | IC-P1BTD1 P-1B PRE SHUT DOWN TRIP ACTUATION DEVICE TEST 0300926 REACTOR COOLANT PUMP                            |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 57  | 1 | IC4.38     | IC   | 76    | ICP-04.038 | INTERMEDIATE RANGE COMP VOLTAGE          | 3   | 03APR04 03:00  | 03APR04 05:59 | DR-N ML-Y ORT3-N R-L | 120 | IC4.38 INTERMEDIATE RANGE COMP VOLTAGE INTERMEDIATE RANGE COMPENSATING VOLTAGE ADJ 0300845                      |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 58  | 1 | ICRMVFLT   | IC   | 76    | C-011      | REMOVE TURBINE SUPERVISORY FAULT         | 2   | 03APR04 05:00  | 03APR04 06:59 | DR-Y ML-Y ORT3-Y R-L | 646 | ICRMVFLT REMOVE TURBINE SUPERVISORY FAULT ALARMS TG-01 TG TURBINE SUPERVISORY INST CONTROL PANEL 0300763        |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 59  | 1 | IC4.41     | IC   | 76    | ICP-04.041 | GAMMA-METRICS FLUX MONITORING DISC ADJ.  | 4   | 03APR04 05:00  | 03APR04 08:59 | DR-Y ML-N ORT3-Y R-L | 260 | IC4.41 GAMMA-METRICS FLUX MONITORING DISC ADJ. GAMMA-METRICS FLUX MONITORING SYSTEM 0300846                     |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 60  | 1 | IC9950766  | IC   | 76    | EH-CONTROL | 1EH-CONTROL REWIRE +/- 15 VDC            | 36  | 03APR04 05:00  | 04APR04 16:59 | DR-Y ML-Y ORT3-Y R-L | 17  | IC9950766 1EH-CONTROL REWIRE +/- 15 VDC TURBINE CONTROL ELECTRONICS 9950766                                     |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 61  | 1 | IC9950767  | IC   | 76    | EH-CONTROL | 1EH-CONTROL REPL ELECTROLYTIC CAPS       | 38  | 03APR04 05:00* | 04APR04 16:59 | DR-Y ML-Y ORT3-Y R-L | 0   | IC9950767 1EH-CONTROL REPL ELECTROLYTIC CAPS TURBINE CONTROL ELECTRONICS 9950767                                |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 62  | 1 | IC-P1BTD1  | IC   | 76    | P-001B     | P-1B VERIFY TRIP DEVICE W/RCP OFF        | 1   | 03APR04 07:00  | 03APR04 07:59 | DR-Y ML-Y ORT3-Y R-L | 466 | IC-P1BTD1 P-1B VERIFY TRIP DEVICE W/RCP OFF (OP3C SIGN) REACTOR COOLANT PUMP 0300926                            |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 63  | 1 | IC0304883A | IC   | 76    | R-1        | REMOVE INSTRUMENTATION TO                | 6   | 03APR04 12:00  | 03APR04 17:59 | DR-Y ML-Y ORT3-Y R-L | 18  | IC0304883A REMOVE INSTRUMENTATION TO SUPPORT BMI INSPECTION REACTOR VESSEL AND ASSEMBLY 0304883                 |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| <b>I&amp;C - C. RHODEN</b>                        |   |            |      |       |            |  |     |                |               |                      |     | <b>IC1</b>  |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 64  | 1 | IC4.24N31A | IC1  | 76    | ICP-04.024 | ICP 4.24 SR N-31 DC VOLT CHECKS & RMV    | 1   | 03APR04 06:00* | 03APR04 06:59 | DR-N ML-N ORT3-N R-L | 0   | IC4.24N31A ICP 4.24 SR N-31 DC VOLT CHECKS & RMV INST FUSES NUCLEAR INSTRUMENTATION SYSTEM SOURCE RANGE 0300837 |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 65  | 1 | IC9950756  | IC1  | 76    | N-00035    | N-35 ECAD CABLE TESTING                  | 7   | 03APR04 07:00  | 03APR04 13:59 | DR-N ML-N ORT3-N R-L | 0   | IC9950756 N-35 ECAD CABLE TESTING NI INTERMEDIATE RANGE CHANNEL 9950756   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 66  | 1 | IC4.24N31B | IC1  | 76    | ICP-04.024 | ICP 4.24 SR N-31 INSTAL INST FUSES & CAL | 15  | 03APR04 14:00  | 04APR04 16:59 | DR-N ML-N ORT3-N R-L | 0   | IC4.24N31B ICP 4.24 SR N-31 INSTAL INST FUSES & CAL NUCLEAR INSTRUMENTATION SYSTEM SOURCE RANGE 0300837         |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| <b>I&amp;C - J. SCHMOLDT</b>                      |   |            |      |       |            |  |     |                |               |                      |     | <b>IC2</b>  |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |
| 67  | 1 | ICRKDR-OFF | IC2  |       | RP         | REMOVE ANALOG RACK DOORS                 | 4   | 03APR04 17:00* | 03APR04 20:59 | DR-N ML-Y ORT3-Y R-L | 32  |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |    |    |    |    |   |   |   |   |   |    |    |    |

Run Date

01APR04 11:59

LT-03 STANDARD PUBLICATION  
FL-03 Execution Publication Set

Sheet 4 of 12



after 01APR04 12:00

**WORKING SCHEDULE**

after 01APR04 12:00

| #   | U | ID         | RESP | WO<br>ST | EQID       | DESCRIPTION                             | RD | ES             | EF            | RISK                 | MF  | APR        |  |  |  |  |  |
|---|---|------------|------|----------|------------|---|----|----------------|---------------|----------------------|-----|------------|--|--|--|--|--|
|   |   |            |      |          |            |   |    |                |               |                      |     |            |  |  |  |  |  |
|   |   |            |      |          |            |   |    |                |               |                      |     | 1          | 2                                      | 3  |  |  |  |
| <b>I&amp;C - J. SCHMOLDT</b>                        |   |            |      |          |            |   |    |                |               |                      |     | <b>IC2</b> |  |  |  |  |  |
| 68  | 1 | IC5.64     | IC2  | 76       | 1ICP-05.06 | ICP-05.064 RV LEVEL CHANNEL CALIBRATION | 7  | 03APR04 17:00* | 03APR04 23:59 | DR-Y ML-Y ORT3-Y R-L | 29  |            |  |  |  |  |  |
| 69  | 1 | IC5.66     | IC2  | 76       | 1ICP-05.06 | ICP-05.066 PRT PRESS XMTR CALIBRATION   | 7  | 03APR04 17:00* | 03APR04 23:59 | DR-Y ML-Y ORT3-Y R-L | 29  |            |  |  |  |  |  |
| 70  | 1 | IC0301055  | IC2  | 76       | EH         | 1EH INSTALL PULSATION DAMPENER          | 32 | 03APR04 17:00  | 06APR04 00:59 | DR-Y ML-Y ORT3-Y R-M | 0   |            |  |  |  |  |  |
| 71  | 1 | IC0301056  | IC2  | 76       | EH         | 1EH INSTALL RUBBER ISOLATORS            | 32 | 03APR04 17:00  | 06APR04 00:59 | DR-Y ML-Y ORT3-Y R-M | 156 |            |  |  |  |  |  |
| 72  | 1 | IC5.27     | IC2  | 76       | ICP-05.027 | EH OIL SYSTEM INSTRUMENTATION           | 32 | 03APR04 17:00* | 06APR04 00:59 | DR-Y ML-Y ORT3-Y R-L | 0   |            |  |  |  |  |  |
| <b>I&amp;C VALVE TEAM</b>                           |   |            |      |          |            |   |    |                |               |                      |     | <b>ICV</b> |  |  |  |  |  |
| 73  | 1 | IC0305856  | ICV  | 76       | MS-02085   | 1MS-2085 CONNECT VALVE MONITOR MTE      | 2  | 02APR04 18:00* | 02APR04 19:59 | DR-Y ML-Y ORT3-Y R-M | 0   |            | HX-22D MSR INLET STEAM CONTROL 0305856 | IC0305856 1MS-2085 CONNECT VALVE MONITOR MTE             |  |  |  |
| 74  | 1 | IC0305856A | ICV  | 76       | MS-02085   | 1MS-2085 MONITOR VALVES/REMOVE MTE      | 3  | 03APR04 00:00  | 03APR04 02:59 | DR-Y ML-Y ORT3-Y R-M | 620 |            | HX-22D MSR INLET STEAM CONTROL 0305856 | IC0305856A 1MS-2085 MONITOR VALVES/REMOVE MTE            |  |  |  |
| <b>MECHANICAL MAINTENANCE MM2 BRITTINGHAM (BOP)</b> |   |            |      |          |            |   |    |                |               |                      |     | <b>MM2</b> |  |  |  |  |  |
| 75  | 1 | MM0215158  | MM2  | 71       | B52-115KL  | SC-1A/B, HYDROLANCE EQUIP. SET UP       | 10 | 02APR04 12:00* | 03APR04 09:59 | DR-N ML-N ORT3-N R-L | 0   |            |  | MM0215158 SC-1A/B, HYDROLANCE EQUIP. SET UP              |  |  |  |
| 76  | 1 | MM0215158A | MM2  | 71       | B52-115KL  | SC-1A/B, CONNECT WATER SUPPLY FOR       | 3  | 02APR04 14:00  | 02APR04 16:59 | DR-N ML-N ORT3-N R-L | 26  |            |  | MM0215158A SC-1A/B, CONNECT WATER SUPPLY FOR HYDRO PUMPS |  |  |  |
| 77  | 1 | MM0214090  | MM2  | 76       | HX-024     | OPEN CONDENSATE COOLER HX-24            | 4  | 03APR04 07:00* | 03APR04 10:59 | DR-N ML-N ORT3-N R-L | 121 |            |  | MM0214090 OPEN CONDENSATE COOLER HX-24                   |  |  |  |
| <b>NON-DESTRUCTIVE TESTING</b>                      |   |            |      |          |            |   |    |                |               |                      |     | <b>NDE</b> |  |  |  |  |  |
| 78  | 1 | ND0212564  | NDE  | 76       | HS-19      | HS-19 EXAMINE RED EYE U-BOLT            | 4  | 03APR04 08:00  | 03APR04 11:59 | DR-Y ML-Y ORT3-Y R-L | 0   |            |  | ND0212564 HS-19 EXAMINE RED EYE U-BOLT                   |  |  |  |
| 79  | 1 | NG00CSNBV1 | NDE  | 76       | SNUBBERS   | EXAMINE KEYWAY SNUBBERS PER             | 4  | 03APR04 08:00  | 03APR04 11:59 | DR-Y ML-Y ORT3-Y R-L | 0   |            |  | NG00CSNBV1 EXAMINE KEYWAY SNUBBERS PER 1-PT-SS-1         |  |  |  |
| 80  | 1 | NG-Z013-MT | NDE  | 76       | Z-013      | PERFORM MT ON CTMT CRANE HOOKS          | 2  | 03APR04 10:00  | 03APR04 11:59 | DR-Y ML-Y ORT3-Y R-L | 29  |            |  | NG-Z013-MT PERFORM MT ON CTMT CRANE HOOKS                |  |  |  |
| 81  | 1 | TG30001    | NDE  | 76       | TG-01-T    | EXAMINE LIFT POINTS ON HP TURBINE COVER | 2  | 03APR04 16:00  | 03APR04 17:59 | DR-Y ML-Y ORT3-Y R-L | 51  |            |  | TG30001 EXAMINE LIFT POINTS ON HP TURBINE COVER          |  |  |  |
| <b>OPERATIONS MIDSHIFT</b>                          |   |            |      |          |            |   |    |                |               |                      |     | <b>OP1</b> |  |  |  |  |  |
| 82  | 2 | OP0216068  | OP1  | 77       | TS-RE-004  | U-2 AXIAL FLUX DIFFERENCE AND QUAD      | 2  | 03APR04 00:00* | 03APR04 01:59 | DR-N ML-N ORT3-N R-L | 285 |            |  | OP0216068 U-2 AXIAL FLUX DIFFERENCE AND QUAD POWER       |  |  |  |
| 83  | 0 | OP0215352  | OP1  | 75       | O-PC-MIDS  | OPERATIONS MID SHIFT WEEKLY ROUTINE     | 42 | 03APR04 00:00* | 08APR04 06:59 |                      | 245 |            |  | OP0215352 OPERATIONS MID SHIFT WEEKLY ROUTINE            |  |  |  |

Run Date

01APR04 11:59

LT-03 STANDARD PUBLICATION  
FL-03 Execution Publication Set

Sheet 5 of 12

after 01APR04 12:00

# WORKING SCHEDULE

after 01APR04 12:00

| #                            | U | ID         | RESP | WO ST | EQID       | DESCRIPTION                             | RD | ES             | EF            | RISK                 | MF  | APR                              |   |                               |  |
|------------------------------|---|------------|------|-------|------------|---|----|----------------|---------------|----------------------|-----|----------------------------------|---|-------------------------------|--|
|                              |   |            |      |       |            |   |    |                |               |                      |     | 1                                | 2   | 3                             |  |
|                              |   |            |      |       |            |   |    |                |               |                      |     | 5, 8, 10, 12, 14, 16, 18, 20, 22 | 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22 | 0, 2, 4, 6, 8, 10, 12, 14, 16 |  |
| <b>OPERATIONS DAYSHIFT</b>   |   |            |      |       |            |   |    |                |               |                      |     | <b>OP2</b>                       |   |                               |  |
| 84                           | 0 | OP0215430  | OP2  | 76    | O-PC-DAYS  | OPERATIONS DAY SHIFT WEEKLY ROUTINE     | 17 | 02APR04 12:00* | 04APR04 14:59 |                      | 266 |                                  |   |                               | OP0215430 OPERATIONS DAY SHIFT WEEKLY ROUTINE  |
| <b>OPERATIONS SWINGSHIFT</b> |   |            |      |       |            |   |    |                |               |                      |     | <b>OP3</b>                       |   |                               |  |
| 85                           | 0 | OP0215546  | OP3  | 75    | O-PC-SWING | OPS SWING SHIFT WEEKLY ROUTINE          | 35 | 02APR04 16:00* | 06APR04 22:59 |                      | 252 |                                  |   |                               | OP0215546 OPS SWING SHIFT WEEKLY ROUTINE   |
| <b>OPERATIONS</b>            |   |            |      |       |            |   |    |                |               |                      |     | <b>OPS</b>                       |   |                               |  |
| 86                           | 1 | OP3A-210   | OPS  |       | OP-3A      | SHIFT RAD WASTE STEAM TO UNIT 2         | 1  | 02APR04 12:00* | 02APR04 12:59 |                      | 9   |                                  |   |                               | OP3A-210 SHIFT RAD WASTE STEAM TO UNIT 2   |
| 87                           | 1 | OP3A-220   | OPS  |       | OP-3A      | SHIFT HOUSE HEATING STEAM TO UNIT 2     | 1  | 02APR04 12:00* | 02APR04 12:59 |                      | 9   |                                  |   |                               | OP3A-220 SHIFT HOUSE HEATING STEAM TO UNIT 2   |
| 88                           | 1 | OP3A-230   | OPS  |       | OP-3A      | SHIFT SW OVERBOARD TO UNIT 2            | 1  | 02APR04 12:00* | 02APR04 12:59 |                      | 0   |                                  |   |                               | OP3A-230 SHIFT SW OVERBOARD TO UNIT 2  |
| 89                           | 1 | OP3A-240   | OPS  |       | OP-3A      | SHIFT NEUTRALIZATION TANK OVERBOARD TO  | 1  | 02APR04 12:00* | 02APR04 12:59 |                      | 9   |                                  |   |                               | OP3A-240 SHIFT NEUTRALIZATION TANK OVERBOARD TO UNIT 2   |
| 90                           | 1 | OP5D-010   | OPS  |       | OP-5D      | LINEUP & EQUILIBRATE CVCS CATION/HOH    | 1  | 02APR04 12:00* | 02APR04 12:59 | DR-N ML-N ORT3-N R-L | 17  |                                  |   |                               | OP5D-010 LINEUP & EQUILIBRATE CVCS CATION/HOH BEDS<br>CVCS DEMINERALIZER OPERATION                 |
| 91                           | 1 | OI78-010   | OPS  |       | OP-13B     | SUPPLY O-P-041 FROM DI SYSTEM PER OI 78 | 8  | 02APR04 14:00  | 02APR04 21:59 | DR-N ML-N ORT3-N R-L | 572 |                                  |   |                               | OI78-010 SUPPLY O-P-041 FROM DI SYSTEM PER OI 78   |
| 92                           | 1 | OP3A-000   | OPS  |       | OP-3A      | OP-3A PRELIMINARIES                     | 5  | 02APR04 17:00* | 02APR04 21:59 | DR-N ML-N ORT3-N R-L | 0   |                                  |   |                               | OP3A-000 OP-3A PRELIMINARIES<br>OP-3A PREPARATION TO REDUCE LOAD                                   |
| 93                           | 1 | OI14-010   | OPS  |       | OI-14      | SHIFT S/G BLOWDOWN TO THE TANK          | 1  | 02APR04 18:00* | 02APR04 18:59 | DR-N ML-N ORT3-N R-L | 585 |                                  |   |                               | OI14-010 SHIFT S/G BLOWDOWN TO THE TANK  |
| 94                           | 1 | OP0305856A | OPS  | 76    | MS-02085   | GAG ALL 4 MSR INLET STEAM VALVES        | 1  | 02APR04 18:00  | 02APR04 18:59 | DR-Y ML-Y ORT3-Y R-M | 5   |                                  |   |                               | OP0305856A GAG ALL 4 MSR INLET STEAM VALVES<br>HX-22D MSR INLET STEAM CONTROL 0305856              |
| 95                           | 1 | OP0305856B | OPS  | 76    | MS-02085   | UNGAG ALL 4 MSR INLET STEAM VALVES      | 1  | 02APR04 20:00  | 02APR04 20:59 | DR-Y ML-Y ORT3-Y R-M | 3   |                                  |   |                               | OP0305856B UNGAG ALL 4 MSR INLET STEAM VALVES<br>HX-22D MSR INLET STEAM CONTROL 0305856            |
| 96                           | 1 | OP3A-100   | OPS  |       | OP-3A      | REDUCE POWER TO <50%                    | 2  | 02APR04 22:00  | 02APR04 23:59 | DR-N ML-N ORT3-N R-L | 0   |                                  |   |                               | OP3A-100 REDUCE POWER TO <50%<br>NORMAL POWER OPERATION TO LOW POWER OPERATION                     |
| 97                           | 1 | OP3B-020   | OPS  |       | OP-3B      | PRE REACTOR SHUTDOWN IPTE BRIEF         | 1  | 02APR04 23:00* | 02APR04 23:59 |                      | 3   |                                  |   |                               | OP3B-020 PRE REACTOR SHUTDOWN IPTE BRIEF   |
| 98                           | 1 | OP3A-110   | OPS  |       | OP-3A      | SINGLE UP FEED/COND/HTR                 | 1  | 03APR04 00:00  | 03APR04 00:59 | DR-N ML-N ORT3-N R-L | 1   |                                  |   |                               | OP3A-110 SINGLE UP FEED/COND/HTR DRAIN/CIRC WATER<br>NORMAL POWER OPERATION TO LOW POWER OPERATION |
| 99                           | 1 | OP3A-120   | OPS  |       | OP-3A      | REDUCE POWER TO <30%                    | 1  | 03APR04 00:00  | 03APR04 00:59 | DR-N ML-N ORT3-N R-L | 0   |                                  |   |                               | OP3A-120 REDUCE POWER TO <30%<br>NORMAL POWER OPERATION TO LOW POWER OPERATION                     |
| 100                          | 1 | PCL-3A     | OPS  |       | PCL-3A     | LINE UP FW HTR VENTS PER PCL 3A         | 4  | 03APR04 00:00  | 03APR04 03:59 | DR-N ML-N ORT3-N R-L | 20  |                                  |   |                               | PCL-3A LINE UP FW HTR VENTS PER PCL 3A<br>NORMAL POWER TO LOW POWER OPERATION                      |
| 101                          | 1 | OP3A-130   | OPS  |       | OP-3A      | REDUCE POWER TO 20MWE                   | 1  | 03APR04 01:00  | 03APR04 01:59 | DR-N ML-N ORT3-N R-L | 0   |                                  |   |                               | OP3A-130 REDUCE POWER TO 20MWE<br>REDUCE POWER TO < 20 MWE   |







after 01APR04 12:00

# WORKING SCHEDULE

after 01APR04 12:00

| # | U | ID | RESP | WO ST | EQID | DESCRIPTION | RD | ES | EF | RISK | MF | APR |   |   |
|---|---|----|------|-------|------|-------------|----|----|----|------|----|-----|---|---|
|   |   |    |      |       |      |             |    |    |    |      |    | 1   | 2 | 3 |

| RADIATION PROTECTION |   |           |    |  |       |                                  |    |               |               |                      |   | RP |  |  |  |
|----------------------|---|-----------|----|--|-------|----------------------------------|----|---------------|---------------|----------------------|---|----|--|--|--|
| 157                  | 1 | OP9C-010  | RP |  | OP-9C | SAMPLE CTMT FOR PURGE            | 3  | 03APR04 13:00 | 03APR04 15:59 | DR-N ML-N ORT3-N R-L | 0 |    |  |  | OP9C-010 SAMPLE CTMT FOR PURGE                                       |
| 158                  | 1 | RPJF-101E | RP |  | CONT  | POST CONTAINMENT - INTERNAL AREA | 10 | 03APR04 13:00 | 03APR04 22:59 | DR-N ML-N ORT3-N R-L | 0 |    |  |  | RPJF-101E POST CONTAINMENT - INTERNAL AREA POSTINGS POST CONTAINMENT |

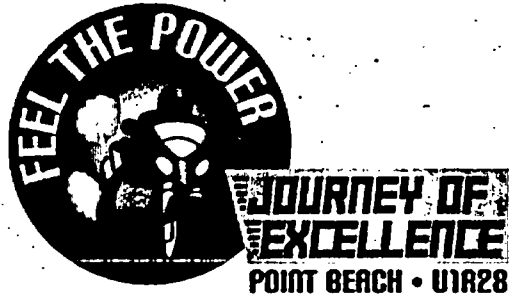
| LAUNDRY DECON - T. ENGLEMAN |   |           |     |  |            |  |   |               |               |                      |    | RP1 |  |  |  |
|-----------------------------|---|-----------|-----|--|------------|--|---|---------------|---------------|----------------------|----|-----|--|--|--|
| 159                         | 1 | RPSH013-I | RP1 |  | PACKAGE 13 | INSTALL SHIELDING - REGEN RACKS              | 2 | 03APR04 13:00 | 03APR04 14:59 | DR-N ML-N ORT3-N R-L | 0  |     |  |  | RPSH013-INSTALL SHIELDING - REGEN RACKS              |
| 160                         | 1 | RPSH051-I | RP1 |  | PACKAGE 51 | INSTALL SHIELDING FOR 46' RHR LINE           | 2 | 03APR04 13:00 | 03APR04 14:59 | DR-N ML-N ORT3-N R-L | 11 |     |  |  | RPSH051-INSTALL SHIELDING FOR 46' RHR LINE           |
| 161                         | 1 | RPSH062-I | RP1 |  | PACKAGE 62 | INSTALL SHIELDING FOR LETDOWN LINE, B SG 10' | 3 | 03APR04 13:00 | 03APR04 15:59 | DR-N ML-N ORT3-N R-L | 10 |     |  |  | RPSH062-INSTALL SHIELDING FOR LETDOWN LINE, B SG 10' |
| 162                         | 1 | RPSH018-I | RP1 |  | PACKAGE 18 | INSTALL SHIELDING FOR CV-D-02                | 4 | 03APR04 13:00 | 03APR04 16:59 | DR-N ML-N ORT3-N R-L | 0  |     |  |  | RPSH018-INSTALL SHIELDING FOR CV-D-02                |
| 163                         | 1 | RPSH052-I | RP1 |  | PACKAGE 52 | INSTALL SHIELDING FOR 21' RHR LINE           | 4 | 03APR04 13:00 | 03APR04 16:59 | DR-N ML-N ORT3-N R-L | 0  |     |  |  | RPSH052-INSTALL SHIELDING FOR 21' RHR LINE           |
| 164                         | 1 | RPSH053-I | RP1 |  | PACKAGE 53 | INSTALL SHIELDING FOR 21' LETDOWN LINE       | 4 | 03APR04 13:00 | 03APR04 16:59 | DR-N ML-N ORT3-N R-L | 9  |     |  |  | RPSH053-INSTALL SHIELDING FOR 21' LETDOWN LINE       |
| 165                         | 1 | RPSH011-I | RP1 |  | PACKAGE 11 | INSTALL SHIELDING - REGEN DOOR GAP           | 5 | 03APR04 15:00 | 03APR04 19:59 | DR-N ML-N ORT3-N R-L | 6  |     |  |  | RPSH011-INSTALL SHIELDING - REGEN DOOR GAP           |

| WORK CONTROL CENTER |   |          |     |  |           |                           |   |                |               |  |     | WCC |  |  |   |
|---------------------|---|----------|-----|--|-----------|---------------------------|---|----------------|---------------|--|-----|-----|--|--|---|
| 166                 | 1 | T-0681-H | WCC |  | ICP-4.22  | 1 WL ICP-4.22 IC REV0-1   | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 460 |     |  |  | T-0681-H 1 WL ICP-4.22 IC REV0-1<br>0010681 1 WL ICP-4.22 IC REV0-1     |
| 167                 | 1 | T-3710-H | WCC |  | RV BOTTOM | 1 RC RV BOTTOM CE REV0-1  | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 23  |     |  |  | T-3710-H 1 RC RV BOTTOM CE REV0-1<br>0013710 1 RC RV BOTTOM CE REV0-1   |
| 168                 | 1 | T-3711-H | WCC |  | RV BOTTOM | 1 RC RV BOTTOM EPI REV0-1 | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 19  |     |  |  | T-3711-H 1 RC RV BOTTOM EPI REV0-1<br>0013711 1 RC RV BOTTOM EPI REV0-1 |
| 169                 | 1 | T-7302-H | WCC |  | W-4A/B    | 1 VNRC W-4A/B OPS REV0-1  | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 899 |     |  |  | T-7302-H 1 VNRC W-4A/B OPS REV0-1<br>0017302 1 VNRC W-4A/B OPS REV0-1   |
| 170                 | 1 | T-7521-H | WCC |  | MS-00231  | 1 MS MS-231 EM REV0-1     | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 100 |     |  |  | T-7521-H 1 MS MS-231 EM REV0-1<br>0017521 1 MS MS-231 EM REV0-1         |
| 171                 | 1 | T-9665-H | WCC |  | C-1       | 1 CONT C-1 MM REV0-1      | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 39  |     |  |  | T-9665-H 1 CONT C-1 MM REV0-1<br>0009665 1 CONT C-1 MM REV0-1           |
| 172                 | 1 | T-9666-H | WCC |  | C-2       | 1 CONT C-2 MM REV0-1      | 1 | 02APR04 12:00* | 02APR04 12:59 |  | 37  |     |  |  | T-9666-H 1 CONT C-2 MM REV0-1<br>0009666 1 CONT C-2 MM REV0-1           |
| 173                 | 0 | T-6191-H | WCC |  | OI-78     | 0 AR OI-78 (P-41) REV0-1  | 2 | 02APR04 12:00* | 02APR04 13:59 |  | 0   |     |  |  | T-6191-H 0 AR OI-78 (P-41) REV0-1<br>0016191 0 AR OI-78 (P-41) REV0-1   |
| 174                 | 1 | T-6402-H | WCC |  | PR-23     | 1 480V PR-23 EM REV0-1    | 2 | 02APR04 12:00* | 02APR04 13:59 |  | 17  |     |  |  | T-6402-H 1 480V PR-23 EM REV0-1<br>0016402 1 480V PR-23 EM REV0-1       |









## Point Beach Nuclear Plant U1R28 Operating Experience

*Friday, April 2, 2004  
(for work Sunday, April 4, 2004)*

**OE subject:**

Unplanned Mode Change While Cooling Down for a Refueling Outage

**Purpose:**

Mode changes should be deliberate, and well thought out in advance of the change.

**Why we chose this OE for today:**

Unit 1 is scheduled to enter Cold Shutdown on Sunday April 4<sup>th</sup>, 2004

**Discussion:**

On October 4, 1999, while Vogtle Unit 2 was cooling down the reactor coolant system (RCS) for a refueling outage, the station inadvertently entered mode 5 from mode 4 for approximately six minutes when the RCS temperature indicated less than 200 degrees Fahrenheit (F) and then returned to mode 4. On October 4, 1999, operators were cooling down the RCS. At approximately 12:20 a.m., system cooldown was stopped for operators to investigate an anomaly with the residual heat removal (RHR) flow rates. At that time, operators determined that the unit was in mode 4, based on RCS temperature of 204 degrees F, as shown by the computer point for the five highest incore thermocouples. A slight increase to 210 degrees F was undertaken while the flow rate issue was being resolved. After consulting with engineering and management personnel, it was determined that RHR flow rate was acceptable and operators resumed the cooldown. Entry into mode 5 was logged at 4:43 a.m., when the RCS temperature dropped to 200 degrees F, based on the five highest incore thermocouples. On October 6, 1999, plant personnel reviewed the plant computer trends from the unit shutdown. It was then found that the RCS temperature, as measured by the auctioneered high wide-range RCS average temperature (computer point UT5468) had dipped to approximately 199 degrees F when the cooldown was stopped for RHR investigation. Other parameters, such T-hot and T-cold, indicated below 200 degrees F as well. After approximately six minutes, RCS temperature, as indicated by UT5468, raised above 200 degrees F while the flow rate issue was being resolved. Therefore, the unit had entered mode 5 for approximately six minutes before returning to mode 4. The station attributed the unplanned mode change to ambiguity in procedural guidance. The applicable procedure requires monitoring and recording of a variety of temperature parameters which includes monitoring the UT5468 computer point. However, the procedure does not provide adequate guidance for what parameter is to be utilized for determination of mode changes.

**Questions:**

What are the definitions of the applicable modes? What parameters (instruments, measurements) are used to indicate the current mode?