



**Commonwealth Edison**  
1400 Opus Place  
Downers Grove, Illinois 60515

June 2, 1994

Mr. William T. Russell, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

Subject: **Dresden Station Units 2 and 3**  
**Quad Cities Station Units 1 and 2**  
**LaSalle Station Units 1 and 2**  
**Transmittal of BWR Immediate Improvement**  
**Strategy Status Report**  
**NRC Docket Nos. 50-273/249, 50-254/265 and 50-373/374**

Dear Mr. Russell:

Attached is the fourth bi-weekly BWR Immediate Improvement Status Report. The next report will be issued in mid-June 1994. The report focuses on significant exceptions, both positive and negative, involving the four critical focus areas of the BWR Immediate Improvement Initiatives. The report collates separate station reports provided by Dresden, Quad Cities, and LaSalle Stations.

The complete metrics are attached for Dresden, Quad Cities, and LaSalle. Unless noted otherwise, the only data changed will be the updated status column.

Please direct any questions you may have with regards to this transmittal to this office.

Very truly yours,

  
I.M. Johnson  
Licensing Operations Director

cc: J. Martin, Regional Administrator - Region III  
J. Dyer, Project Director - NRR  
B. Clayton, NRC Region III  
Office of Nuclear Safety - IDNS

080043

k:nla:quad:imj:1

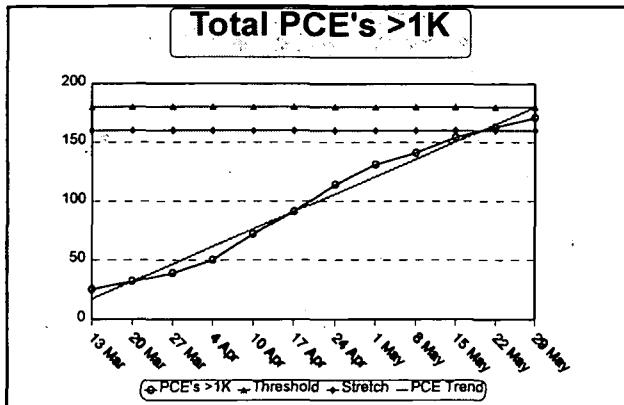
9406080205 940602  
PDR ADCK 05000237  
P PDR

*Pool*  
*1/1*

Performance Indicator Report  
**for Dresden Station**

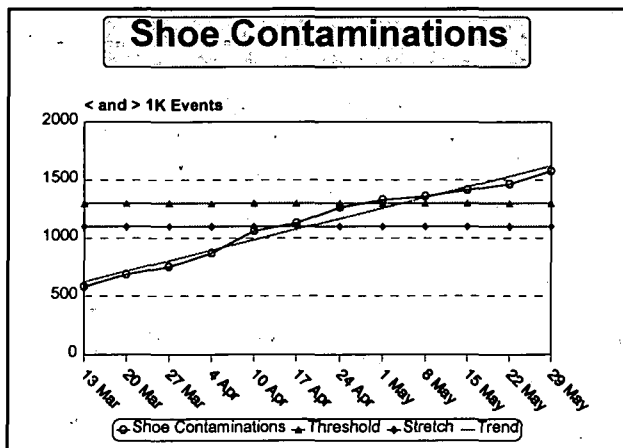
Exceptions Trending  
In a Negative Direction

**Reporting Period: May 16 through May 29, 1994**



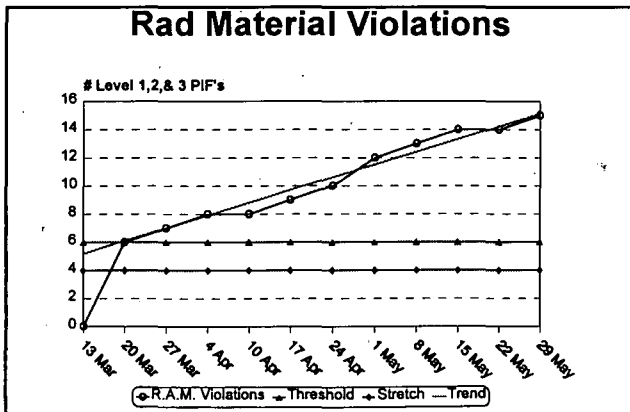
**Analysis:** This area continues to trend in an adverse direction. The rate seems to have decreased slightly since May 1, 1994.

**Action:** Adherence to sound radiological principles and increased management attention toward worker practices will be required to reverse this trend.



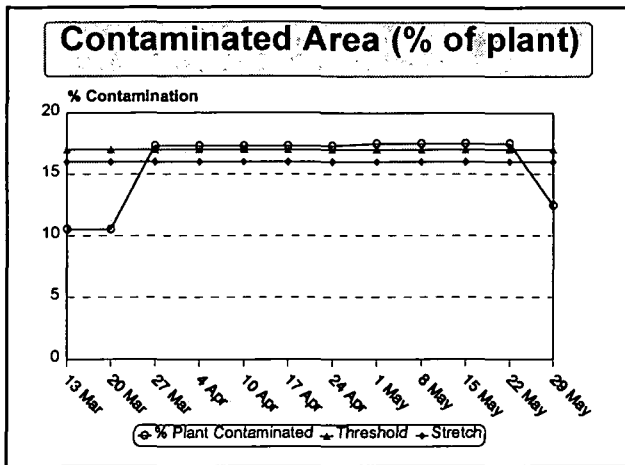
**Analysis:** Shoe contaminations are increasing at a steady rate and exceed acceptable levels.

**Action:** The site has commissioned FPI to assist in determining a root cause for the adverse trend in this parameter



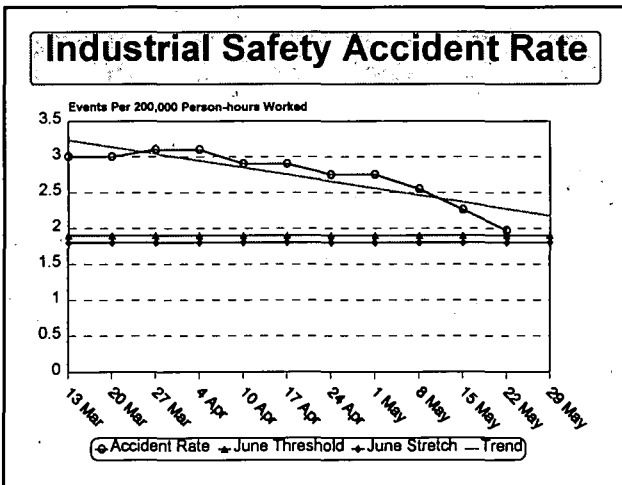
**Analysis:** This indicator continues to be unacceptable and is continuing to trend away from an acceptable condition.

**Action:** Continued emphasis on the need for adherence to sound radiation materials practices by all personnel will be necessary to reverse this trend.



**Analysis:** This indicator has reduced into the acceptable range. Completion of major sections of outage work and subsequent cleanup are responsible for the decrease.

**Action:** Continued effort at cleanup will further reduce this indicator



**Analysis:** This indicator, while unacceptable, continues to trend in the favorable direction.

**Action:** Continued awareness and emphasis, particularly in the maintenance areas are necessary to maintain the trend.

## Dresden Site Performance Indicator Trending

| MATERIEL CONDITION  | June 1994     |               | 24-Apr-94     | 1-May-94      | 8-May-94      | 15-May-94     | 22-May-94     | 29-May-94    |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
|   | Threshold     | Stretch       |               |               |               |               |               |              |
| <b>Top 10 Repetitive Jobs (Rem)</b>                                 |               |               |               |               |               |               |               |              |
| > Reactor Head  | 10.45         | 9.90          | 5.13          | 5.135         | 5.135         | 5.135         | 5.135         | 5.138        |
| > CRD pull/put  | 11.80         | 11.18         | 9.69          | 9.69          | 9.69          | 9.69          | 10.2          | 10.2         |
| > Drywell MSIV  | 7.20          | 6.82          | 0.031         | 0.088         | 0.094         | 0.369         | 0.585         | 1.116        |
| > 3A RR Pump  | 1.38          | 1.31          | 0.179         | 0.367         | 0.388         | 0.759         | 0.759         | 0.759        |
| > 3B RR Pump  | 1.24          | 1.17          | 0.201         | 0.45          | 0.766         | 0.799         | 0.896         | 0.958        |
| > Drywell ISI   | 35.17         | 33.32         | 8.317         | 14.262        | 20.659        | 25.801        | 26.472        | 26.486       |
| > Drywell Shielding   | 14.60         | 13.83         | 8.862         | 9.034         | 9.11          | 9.364         | 10.141        | 10.457       |
| > CRD leak test/rebuild   | 11.85         | 11.22         | 4.23          | 4.528         | 4.528         | 4.528         | 4.607         | 4.966        |
| > DW Snubber inspec.  | 13.76         | 13.04         | 1.545         | 2.055         | 2.108         | 2.108         | 2.108         | 2.108        |
| > DW Mn Stm Rel VLV Rep   | 8.82          | 8.36          | 0.204         | 0.306         | 0.306         | 0.426         | 0.439         | 1.042        |
| <b>TOTAL EST. EXPOSURE (above 10 jobs)</b>                          | <b>116.26</b> | <b>110.14</b> | <b>38.389</b> | <b>45.915</b> | <b>52.784</b> | <b>58.979</b> | <b>61.342</b> | <b>63.23</b> |
| Hot Spot Reduction (number of hot spots)                            | 43            | 40            | 31            | 31            | 31            | 32            | 31            | 30           |
| Contaminated Area (% of plant)                                      | 17.00%        | 16.00%        | 17.30%        | 17.50%        | 17.50%        | 17.50%        | 17.50%        | 12.47%       |
| Temporary Alterations (# of >30 days)                               | <30           | 17            | 38            | 36            | 37            | 40            | 39            | 39           |
| Backlog of NWR's  | 1667          | 1649          | 1559          | 1538          | 1546          | 1511          | 1516          | 1472         |
| Backlog of Control Room NWR (Corrective)                            | 11            | <6 >2wks      | 22            | 26            | 25            | 23            | 23            | 24           |
| Total outage/Non-outage CC NWR's                                    |               |               | 51            | 48            | 45            | 42            | 43            | 44           |
| <b>MOV Commitment</b>   |               |               |               |               |               |               |               |              |
| > U-2 dP tests  | 5             | 8             | 8             | 8             | 8             | 8             | 8             | 8            |
| > U-3 dP tests  | 27            | 29            | 7             | 7             | 7             | 7             | 7             | 10           |
| > U-2 Static Testing  | 82            | 82            | 74            | 74            | 74            | 74            | 74            | 74           |
| > U-3 Static Testing  | 78            | 78            | 47            | 47            | 47            | 47            | 47            | 56           |
| > Operability for high & medium safety significant, low margin vlvs | 160           | 160           | 141           | 141           | 141           | 141           | 141           | 145          |
| Refuel Outage Performance   | 85.00%        | > 85.00%      | 102.00%       | 102.00%       | 99.00%        | 99.00%        | 92.00%        | 91.00%       |
| <b>Safety System Performance</b>                                    |               |               |               |               |               |               |               |              |
| * HPCI (INPO)   |               |               |               |               |               |               |               |              |
| > Unit 2  | </= 0.025     | </= 0.023     | 0.018         | 0.017         | 0.016         | 0.016         | 0.015         | 0.014        |
| > Unit 3  | </= 0.025     | </= 0.023     | 0.043         | 0.043         | 0.043         | 0.043         | 0.043         | 0.043        |

|  |          |           |         |         |         |         |         |         |         |
|--|----------|-----------|---------|---------|---------|---------|---------|---------|---------|
| * LPCI (INPO)                                |          |           |         |         |         |         |         |         |         |
| > Unit 2                                     | <= 0.020 | <= 0.019  | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| > Unit 3                                     | <= 0.020 | <= 0.019  | 0.025   | 0.024   | 0.022   | 0.021   | 0.02    | 0.019   | 0.019   |
| * Emergency A/C (INPO)                       |          |           |         |         |         |         |         |         |         |
| > Unit 2                                     | <= 0.025 | <= 0.023  | 0.025   | 0.023   | 0.022   | 0.021   | 0.02    | 0.019   | 0.019   |
| > Unit 3                                     | <= 0.025 | <= 0.023  | 0.051   | 0.048   | 0.048   | 0.043   | 0.041   | 0.039   | 0.039   |
| * Safety System Failures (NRC)               |          |           |         |         |         |         |         |         |         |
| > Unit 2                                     |          |           |         |         |         |         |         |         |         |
| > Unit 3                                     |          |           |         |         |         |         |         |         |         |
| Operator Work Arounds                        |          |           |         |         |         |         |         |         |         |
| > Unit 1                                     | < 10     | < 10      | 1       | 1       | 1       | 1       | 1       | 1       | 1       |
| > Unit 2                                     | < 10     | < 10      | 8       | 8       | 8       | 8       | 8       | 8       | 8       |
| > Unit 2/3                                   | < 10     | < 10      | 6       | 6       | 6       | 6       | 6       | 6       | 6       |
| > Unit 3                                     | < 10     | < 10      | 10      | 10      | 10      | 10      | 10      | 10      | 10      |
| > Radwaste                                   | < 10     | < 10      | TBD     | TBD     | TBD     | TBD     | TBD     | TBD     | TBD     |
| Top 50 Technical Issues                      | 20       | 20        | 2       | 3       | 3       | 3       | 3       | 3       | 3       |
| <b>HUMAN PERFORMANCE</b>                     |          |           |         |         |         |         |         |         |         |
| Outage Exposure (Rem)                        | 650.00   | 585.00    | 235.652 | 279.788 | 309.197 | 345.159 | 371.134 | 393.783 | 393.783 |
| Non-outage Rem/day (does not incl. outages)  | N/A      | N/A       | 1.355   | 1.362   | 1.461   | 1.584   | 1.71    | 1.804   | 1.804   |
| Year end exposure (Rem)                      |          |           | 326.041 | 372.924 | 407.019 | 459.93  | 492.879 | 524.352 | 524.352 |
| Rad Worker Events (Level 1,2,3 PIF's)        | 5        | 4         | 1       | 1       | 1       | 1       | 1       | 3       | 3       |
| High Rad Area Violations (Level 1,2,3 PIF's) | 4        | 2         | 2       | 3       | 3       | 3       | 3       | 4       | 4       |
| PCE's (>1K dpm/100cm2)                       | 180      | 160       | 114     | 131     | 141     | 154     | 163     | 171     | 171     |
| Rad Material Violations (Level 1,2,3 PIF's)  | 6        | 4         | 10      | 12      | 13      | 14      | 14      | 15      | 15      |
| Shoe Contaminations (< & > 1K/100cm2)        | 1300     | 1100      | 1264    | 1329    | 1359    | 1413    | 1463    | 1576    | 1576    |
| Personnel Error Events                       | 32       | 23        | 10      | 10      | 17      | 17      | 17      | 17      | 17      |
| Accident Rate                                | 1.9      | 1.8       | 2.75    | 2.75    | 2.55    | 2.26    | 1.97    |         |         |
| Reactivity Management                        | 0        | 0         | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| Procedure Adherence Events                   | 11       | 8         | 2       | 3       | 4       | 4       | 4       | 4       | 4       |
| <b>PERFORMANCE MONITORING</b>                |          |           |         |         |         |         |         |         |         |
| Average Age of PIF Backlog                   | 34 days  | < 30 days | 32      | 32      | 33      | 40      | 43      | 40      | 40      |
| Number of PIF's                              | 1100     | 1250      | 1538    | 1638    | 1767    | 1868    | 1923    | 2071    | 2071    |
| % of PIF's (Lev. 1,2,3) Investigations       | 12.00%   | 11.00%    | 10.00%  | 9.70%   | 9.60%   | 9.60%   | 9.80%   | 10.10%  | 10.10%  |
| CAR Completion                               |          |           |         |         |         |         |         |         |         |
| > Overdue responses (> 60 days)              | 0        | 0         | 1       | 2       | 0       | 3       | 3       | 3       | 3       |
| > Level A CAR's                              | 0        | 0         | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| > Level B CAR's                              | 3        | 2         | 1       | 1       | 0       | 3       | 3       | 3       | 3       |
| Recurring Problems                           | 2        | 1         | 1       | 1       | 1       | 1       | 1       | 1       | 1       |

| NRC Ident. Problems Resulting In Violations |        |        |     |       |       |       |       |     |
|---|--------|--------|-----|-------|-------|-------|-------|-----|
| > Ratio of Level 1,2,3 PIF's / total NOV's  | Note 1 | Note 1 | 0   | 0     | 0     | 0     | 0     | 0   |
| > Ratio of NCV's / NOV's                    | Note 1 | Note 1 | 0.4 | 0.333 | 0.286 | 0.286 | 0.222 | 0.2 |







| PROGRAM ELEMENT   | BASELINE  | ACTUAL   | BENCH MARK  | THRESHOLD LEVEL OF IMPROVEMENT JUNE 1994                                   | STRETCH GOAL JUNE 1994        | THRESHOLD LEVEL OF IMPROVEMENT DECEMBER 1994   | STRETCH GOAL DECEMBER 1994    |
|---|---|--|---|--|-------------------------------|--|-------------------------------|
| MATERIAL CONDITION  |   |  |   |  |                               |  |                               |
| 1. Temporary alterations *                                    | 57  | 66   | <30   | ≤ 100  |                               | ≤ 55   | ≤ 50                          |
| 2. Backlog of NWR   | 915   | 1870   | 325 nonoutage   | 1830   |                               | 1380   | 1330                          |
| 3. Backlog of control room NWR                                | 44  | 30   | 6 nonoutage   | ≤ 30   | ≤ 25                          | ≤ 25   | ≤ 20                          |
| 4. MOV commitment completion                                  | U-1 57 static<br>16 dp<br><br>U-2 81 static<br>20 dp  | U-1 61 static<br>24 dp<br><br>U-2 82 static<br>21 dp   | Per site commitment   | U-1 83 static<br>29 dp<br><br>U-2 82 static<br>21 dp<br><br>(End of Q1R13) |                               | U-1 89 static<br>33 dp<br><br>U-2 82 static<br>25 dp   |                               |
| 5. Refuel outage performance (% of planned work accomplished) |   | 54%  | 90%   |  |                               |  |                               |
| 6. Safety system performance                                  | U-1 HPCI 0.208<br>U-1 RCIC 0.001<br>U-2 HPCI 0.065<br>U-2 RCIC 0.016<br>EDG 0.028<br><br>+++++++<br>NRC:<br>U-1 = 9<br>U-2 = 11 | U-1 HPCI 0.061<br>U-1 RCIC 0.013<br>U-2 HPCI 0.016<br>U-2 RCIC 0.216<br>EDG 0.019<br><br>+++++++<br>U-1 =<br>U-2 = | HPCI 0.025<br>RCIC 0.020<br>EDG 0.025<br><br>+++++++<br>1 Failure/qtr | +++++++<br>U-1 ≤ 7<br>U-2 ≤ 9  | +++++++<br>U-1 ≤ 5<br>U-2 ≤ 7 | Year End<br>U-1 HPCI ≤ 0.030<br>U-1 RCIC ≤ 0.025<br>U-2 HPCI ≤ 0.030<br>U-2 RCIC ≤ 0.025<br>EDG ≤ 0.030<br>+++++++<br>U-1 ≤ 5<br>U-2 ≤ 6 | +++++++<br>U-1 ≤ 3<br>U-2 ≤ 3 |

| PROGRAM ELEMENT   | BASELINE | ACTUAL | BENCH MARK | THRESHOLD LEVEL OF IMPROVEMENT JUNE 1994 | STRETCH GOAL JUNE 1994 | THRESHOLD LEVEL OF IMPROVEMENT DECEMBER 1994 | STRETCH GOAL DECEMBER 1994 |
|---|----------|--------|------------|--|------------------------|--|----------------------------|
| 7. Operator work arounds ***  | 79       | 34     | 0          | < 21                                     | < 18                   | < 13   | < 10                       |
| STATION SPECIFIC:   |          |        |            |  |                        |  |                            |
| 1. Resolution of key site specific issues (BDT, DET, VAT, IPE, Top 50 Technical issues @ Dresden) | VAT 268  | 158    |            | 189                                      | 186                    | 169  | 159                        |

| PROGRAM ELEMENT                     | BASELINE                                 | ACTUAL                        | BENCH MARK                                   | THRESHOLD LEVEL OF IMPROVEMENT JUNE 1994 | STRETCH GOAL JUNE 1994 | THRESHOLD LEVEL OF IMPROVEMENT DECEMBER 1994 | STRETCH GOAL DECEMBER 1994             |
|-------------------------------------|--|-------------------------------|--|--|------------------------|--|--|
| PROBLEM IDENTIFICATION & RESOLUTION |  |                               |  |  |                        |  |  |
| 1. Average age of PIF backlog       | Level 4 = 140 days<br>Level 3 = 110 days | Level 4 = 95<br>Level 3 = 134 | Level 4 < 45 days,<br>Level 3,2,1 < 30 days  | Maintain Current Level                   |                        | Level 4 - 100 days<br>Level 3 - 80 days      | Level 4 - 90 days<br>Level 3 - 70 days |
| 2. Number of PIFS                   | 2054                                     | 1274                          | 3000   | 1300                                     | 1500                   | 2600   | 3000                                   |
| 3. % of PIFS (1,2,3) investigations | 9%                                       | 4.0%                          | 10% of total                                 | Maintain                                 |                        | Maintain                                     |  |
| 4. CAR completion (Level A & B)     | 14 > 60 days<br>(4 open)                 | 24 > 60 days<br>( open)       | 10 > 60 days, with none on QV hit list       | < 15 greater than 60 days                | < 10                   | < 10   | < 8                                    |
| 5. Recurring problems               | 0  | 0                             | 0 level 3,2,1 (5 level 4's become a level 3) | 0  | 0                      | 0  | 0                                      |

| PROGRAM ELEMENT               | BASELINE | ACTUAL | BENCH MARK                   | THRESHOLD LEVEL OF IMPROVEMENT JUNE 1994 | STRETCH GOAL JUNE 1994 | THRESHOLD LEVEL OF IMPROVEMENT DECEMBER 1994 | STRETCH GOAL DECEMBER 1994 |
|-------------------------------|----------|--------|------------------------------|--|------------------------|--|----------------------------|
| HUMAN PERFORMANCE             |          |        |                              |  |                        |  |                            |
| 1. Personnel error events     | 30       | 6      | 30% decrease from 1993 value | 12                                       | 10                     | 23   | 20                         |
| 2. Accident Rate              |          | 0.83   | for 1995 0.5                 | 0.92                                     | 0.85                   | < 0.92                                       | < 0.85                     |
| 3. Reactivity management      | 4        | 1      | 1                            | 1  | 1                      | 1  | 1                          |
| 4. Procedure adherence events | 45       | 3      | 0                            | 20                                       | 19                     | 34   | 32                         |

\* Temp Alts - Number will rise as a result of discovery and refuel outage. Threshold of improvement will be of all identified.

\*\* All operability evaluations completed by 6/28/94.

\*\*\* This metric will focus on currently identified workarounds.

**LASALLE STATION**  
Rev 1, 03-25-94

| Program Element                     | Baseline Historical Data or 1993 Actual | Actual Year to date 05-27-94 | Benchmark                             | Threshold 6/94      | Stretch 6/94         | Threshold 12/94 | Stretch 12/94 |
|-------------------------------------|---|------------------------------|---------------------------------------|---------------------|----------------------|-----------------|---------------|
| <b>RADIATION PROTECTION</b>         |   |                              |                                       |                     |                      |                 |               |
| <b>1. Collective Exposure</b>       |   |                              |                                       |                     |                      |                 |               |
| a. >Top 10 Repetitive Jobs (NOTE A) | 304 Rem                                 | 171 Rem                      | N/A                                   | 5% Reduction<br>289 | 10% Reduction<br>274 | N/A             | N/A           |
| b. > Outage Exposure (NOTE A)       | 587 Rem                                 | 394 Rem                      | N/A                                   | <561 Rem            | ≤463 Rem             | N/A             | N/A           |
| c. >Non-outage Rem/Work Day         | 1.29 Rem/Day                            | N/A                          | 80 mrem                               | N/A (NOTE B)        | N/A (NOTE B)         | <1.22 Rem/Day   | ≤1.17 Rem/Day |
| d. >Year End Exposure               | 855 Rem/Total                           | 581 Rem                      | 462 Rem/Total (3 Yr. rolling average) | 712 Rem/Total       | 600 Rem/Total        | 865 Rem/Total   | 750Rem/Total  |
| e. >Hot Spot Elimination            | 225                                     | 212                          | N/A                                   | 214                 | 202                  | N/A             | N/A           |

| Program Element                           | Baseline Historical Data or 1993 Actual | Actual Year to date 05-27-94 | Benchmark  | Threshold 6/94 | Stretch 6/94 | Threshold 12/94 | Stretch 12/94 |
|---|---|------------------------------|--|----------------|--------------|-----------------|---------------|
| <b>RADIATION PROTECTION</b>               |   |                              |  |                |              |                 |               |
| 2. RW PRACTICES<br>a. Adherence Events    | 15<br><br>(NOTE G)                      | 7                            | 4  | 9              | 7            | 12              | 10            |
| b. >High Rad Area Violations              | 6                                       | 2                            | 0  | 3              | 2            | 5               | 3             |
| c. >PCEs                                  | 203                                     | 118                          | 100  | 130            | 100          | 190             | 160           |
| 3. Rad Matl Violations                    | 35                                      | 6                            | 0  | 6              | 4            | 8               | 5             |
| 4. Contaminated Area                      | 6.1% was best in 1993                   | 10.7%                        | 5.0%   | 20.9%          | 20.4%        | 5.0%            | 4.0%          |
| 5. Shoe Contaminations All events (</>1K) | 234                                     | 128<br>(5-13-94)             | 10(non-outage per month)<br><br>25(outage per month) | 130            | 115          | 200             | 180           |

| MATERIAL CONDITION   | 1993 ACTUAL  | ACTUAL YEAR TO DATE 05-27-94                           | BENCHMARK  | THRESHOLD 6/94   | STRETCH 6/94                    | THRESHOLD 12/94                        | STRETCH 12/94                          |
|--|--|--|--|--|---------------------------------|--|--|
| 1. Temporary alterations >30 Days (NOTE H)                                     | 100  | 72   | <30  | <55  | <30                             | <33                                    | <25                                    |
| 2. Backlog of NWR  | 643  | 660  | 325  | 750  | 700                             | 450                                    | 425                                    |
| 3. Backlog of control room NWR   | 22   | 15   | 6  | 14   | 12                              | 10                                     | 8                                      |
| 4. MOV commitment completion   | U-1 114 Static<br>12 dp<br><br>U-2 115 Static<br>23 dp | U-1 134 Static<br>27 dp<br><br>U-2 115 Static<br>23 dp | Per site<br>commitment<br>262 Static<br><br>102 dp<br><br>(NOTE C) | U-1 134 Static<br>34 dp<br><br>U-2 N/A<br><br>(NOTE D) | U-1 N/A<br>37 dp<br><br>U-2 N/A | U-1 N/A<br><br>U-2 N/A<br><br>(NOTE E) | U-1 N/A<br><br>U-2 N/A<br><br>(NOTE E) |
| 5. Refuel outage performance   | 90%-End of L2RO5                                       | 91%  | 90%  | 90% End of L1RO6                                       | 95% End of L1RO6                | N/A                                    | N/A                                    |
| 6. Safety system<br>a. Industry<br>b. NRC                                      | .017<br>(12 - 3rd Qtr.<br>1993)                        | .035<br>(Under Development)                            | .025<br>1/Qt./Unit   | .0175<br>(Under<br>Development)                        | .0175<br>(Under<br>Development) | .0175<br>(Under<br>Development)        | .0175<br>(Under<br>Development)        |
| 7. Operator work arounds   | 63   | 61<br>(NOTE F)   | 0  | 5% Reduction   | 10% Reduction                   | 20%<br>Reduction                       | 30%<br>Reduction                       |
| <b>STATION SPECIFIC:</b>   |  |  |  |  |                                 |  |  |
| 1. Resolution of key site specific issues (Implementation of LBDT Action Plan. | See LBDT Report  | 0%<br>overdue  | N/A  | <10% Overdue actions                                   | <5% overdue actions             | 0 overdue actions                      | 0 overdue actions                      |



| PROBLEM IDENTIFICATION & RESOLUTION | 1993 ACTUALS               | ACTUAL YEAR TO DATE<br>05-27-94 | BENCHMARK                                | THRESHOLD<br>6/94                 | STRETCH<br>6/94                   | THRESHOLD<br>12/94                | STRETCH<br>12/94           |
|-------------------------------------|----------------------------|---------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------|
| 1. Average age of PIF backlog       | 50 days                    | 81 days                         | Level 4 < 45 days, Level 3,2,1 < 30 days | <60 days                          | <45 days                          | <60 days                          | <45 days                   |
| 2. Number of PIFS                   | 1564                       | 1257                            | 3000                                     | 1200                              | 1500                              | 2400                              | 3000                       |
| 3. % of PIFS (1,2,3) investigations | 16%                        | 7%                              | 10% of total                             | 15%                               | 15%                               | 10%                               | 10%                        |
| 4. CAR completion                   | 11 Overdue<br>6 Category B | 0 Overdue<br>7 Category B       | 0 Overdue<br>0 Cat. A or B               | 0 Overdue<br>0 Cat. A<br>5 Cat. B | 0 Overdue<br>0 Cat. A<br>4 Cat. B | 0 Overdue<br>0 Cat. A<br>2 Cat. B | 0 Overdue<br>0 Cat. A or B |
| 5. Recurring problems               | N/A                        | 0                               | 0  | 2                                 | 1                                 | 3                                 | 2                          |

| HUMAN PERFORMANCE  | 1993 ACTUALS      | ACTUAL YEAR TO DATE<br>05-27-94 | BENCHMARK                    | THRESHOLD<br>6/94 | STRETCH<br>6/94 | THRESHOLD<br>12/94 | STRETCH<br>12/94 |
|--|-------------------|---------------------------------|------------------------------|-------------------|-----------------|--------------------|------------------|
| 1. Personnel related events  | 48<br>(NOTE G)    | 22                              | 30% decrease from 1993 value | 40                | 30              | 50                 | 40               |
| 2. a. Industrial Safety Accident Rate (per 200,000 hours)<br>b. OSHA recordables | a. 0.998<br>b. 19 | a. 0.0<br>b. 3                  | a. 0.5<br>b. n/a             | a. 0.75<br>b. 5   | a. 0.60<br>b. 3 | a. 0.70<br>b. 11   | a. 0.60<br>b. 9  |
| 3. Reactivity management   | 0                 | 1                               | 0                            | 1                 | 1               | 1                  | 1                |
| 4. Procedure adherence events  | 18<br>(NOTE G)    | 4                               | 0                            | 8                 | 6               | 12                 | 10               |

**NOTE A:** Based on the L1RO6 refueling outage, schedule completion date is first week of June 1994.

**NOTE B:** Minimal data available - Units in either a planned or unplanned outage until early June 1994.

**NOTE C:** Does not include MOV's included in the Steam Condensing mode of RHR which will be deleted from the GL 89-10 program by June 1994.

**NOTE D:** Margin evaluations on GL 89-10 MOV's will be completed by June 28, 1994.

**NOTE E:** For Unit 2, the "third refuel outage" in the GL 89-10 process is L2RO6. This outage scope is to be finalized by September, 1994.

**NOTE F:** The identification of station work arounds is expected to increase as the definition stabilizes and personnel realize that their concerns are being acted upon. The 6/94 and 12/94 reduction percentages are based on the original number identified.

**NOTE G:** PIF process under development in 1993. The number of Radiation Worker practices, Personnel Related Events and Procedural Adherence Events are expected to increase as PIF usage increases.

**NOTE H:** Temp Alt numbers include Unit 2: 15 require refuel L2RO6 (2/94); 15 non-outage 1994 (June-Dec.)