

OPERATING DATA REPORT

DOCKET NO. 050-237

DATE Oct. 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

OPERATING STATUS

NOTES

Unit forced outage rate reflects corrections in year-to-date and cumulative columns because the May thru June outage was scheduled, rather than forced.

1. Unit Name: Dresden II
2. Reporting Period: September, 1986
3. Licensed Thermal Power (Mwt): 2,527
4. Nameplate Rating (Gross MWe): 828
5. Design Electrical Rating (Net MWe): 794
6. Maximum Dependable Capacity (Gross MWe): 812
7. Maximum Dependable Capacity (Net MWe): 772
8. If Changes Occur in Capacity Ratings (Items 3 Through 7) Since Last Report, Give Reasons:
N/A

9. Power Level to Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

| | This Month | Yr-to-Date | Cumulative |
|---|------------------|-------------------|--------------------|
| 11. Hours in Reporting Period | <u>720</u> | <u>6,551</u> | <u>143,615</u> |
| 12. Number of Hours Reactor Was Critical | <u>674.7</u> | <u>5,676.0</u> | <u>109,373.5</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 14. Hours Generator On-Line | <u>643.0</u> | <u>5,337.1</u> | <u>104,321.6</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>1,379,438</u> | <u>12,316,590</u> | <u>213,950,229</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>429,861</u> | <u>3,968,041</u> | <u>68,467,804</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>406,520</u> | <u>3,771,635</u> | <u>64,707,749</u> |
| 19. Unit Service Factor | <u>89.3</u> | <u>81.5</u> | <u>72.6</u> |
| 20. Unit Availability Factor | <u>89.3</u> | <u>81.5</u> | <u>72.6</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>73.1</u> | <u>74.6</u> | <u>58.4</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>71.1</u> | <u>72.5</u> | <u>56.7</u> |
| 23. Unit Forced Outage Rate | <u>10.7</u> | <u>10.1</u> | <u>12.2</u> |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling outage scheduled for December, 1986 through February, 1987.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

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PDR ADOCK 05000237
R PDR

J.E.S.
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OPERATING DATA REPORT

DOCKET NO. 050-249

DATE Oct. 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: September, 1986
3. Licensed Thermal Power (Mwt): 2,527
4. Nameplate Rating (Gross MWe): 828
5. Design Electrical Rating (Net MWe): 794
6. Maximum Dependable Capacity (Gross MWe): 812
7. Maximum Dependable Capacity (Net MWe): 773
8. If Changes Occur in Capacity Ratings (Items 3 Through 7) Since Last Report, Give Reasons:
N/A

9. Power Level to Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

| | This Month | Yr-to-Date | Cumulative |
|--|----------------|----------------|--------------------|
| 11. Hours in Reporting Period | <u>720</u> | <u>6,551</u> | <u>133,200</u> |
| 12. Number of Hours Reactor Was Critical | <u>655.9</u> | <u>760.0</u> | <u>97,356.8</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 14. Hours Generator On-Line | <u>535.0</u> | <u>535.0</u> | <u>90,328.3</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>816,294</u> | <u>816,294</u> | <u>182,588,930</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>236,948</u> | <u>236,948</u> | <u>59,076,181</u> |
| 18. Net Electrical Energy Generated (MWH) | <u>220,609</u> | <u>178,330</u> | <u>55,904,624</u> |
| 19. Unit Service Factor | <u>74.3</u> | <u>8.2</u> | <u>67.8</u> |
| 20. Unit Availability Factor | <u>74.3</u> | <u>8.2</u> | <u>67.8</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>39.6</u> | <u>3.5</u> | <u>54.3</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>38.6</u> | <u>3.4</u> | <u>52.9</u> |
| 23. Unit Forced Outage Rate | <u>24.7</u> | <u>24.7</u> | <u>12.5</u> |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u> | | | |

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

COMMONWEALTH EDISON COMPANY

DRESDEN STATION

MAXIMUM DAILY LOAD

MONTH OF SEPTEMBER, 1986

| DAY | HOUR ENDING | MAXIMUM DAILY LOAD KW |
|-----|----------------|--------------------------|
| 1 | 1500 | 947,200 |
| 2 | 0100 | 919,700 |
| 3 | 1200 | 779,600 |
| 4 | 2100 | 781,000 |
| 5 | 0400 | 741,500 |
| 6 | 1200 | 891,800 |
| 7 | 1900 | 934,100 |
| 8 | 2400 | 1,167,000 |
| 9 | 1200 | 1,336,300 |
| 10 | 1200 | 1,294,900 |
| 11 | 0300 | 1,204,900 |
| 12 | 1800 | 1,221,600 |
| 13 | 0700 | 1,219,600 |
| 14 | 2400 | 1,166,500 |
| 15 | 0800 | 1,197,600 |
| 16 | 1000 | 1,181,600 |
| 17 | 0800 | 454,600 |
| 18 | 0700 | 450,900 |
| 19 | 0100 | 447,300 |
| 20 | 1900 | 889,400 |
| 21 | 2400 | 943,700 |
| 22 | 2400 | 1,100,100 |
| 23 | 1300 | 1,179,700 |
| 24 | 1000 | 1,217,600 |
| 25 | 1500 | 1,241,400 |
| 26 | 2400 | 1,241,800 |
| 27 | 0100 | 1,193,400 |
| 28 | 2300 | 747,000 |
| 29 | 0100 | 744,700 |
| 30 | 1800 | 929,500 |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT II

DATE Oct. 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH September, 1986

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 774 | 17 | 0 |
| 2 | 749 | 18 | 0 |
| 3 | 731 | 19 | 0 |
| 4 | 721 | 20 | 204 |
| 5 | 723 | 21 | 394 |
| 6 | 685 | 22 | 587 |
| 7 | 471 | 23 | 649 |
| 8 | 557 | 24 | 621 |
| 9 | 732 | 25 | 598 |
| 10 | 688 | 26 | 624 |
| 11 | 682 | 27 | 614 |
| 12 | 666 | 28 | 601 |
| 13 | 714 | 29 | 702 |
| 14 | 610 | 30 | 679 |
| 15 | 698 | | |
| 16 | 579 | | |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT III

DATE Oct. 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH September, 1986

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | 65 |
| 2 | 10 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 123 |
| 7 | 357 |
| 8 | 446 |
| 9 | 557 |
| 10 | 514 |
| 11 | 398 |
| 12 | 410 |
| 13 | 433 |
| 14 | 427 |
| 15 | 427 |
| 16 | 452 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | 433 |
| 18 | 428 |
| 19 | 417 |
| 20 | 425 |
| 21 | 421 |
| 22 | 419 |
| 23 | 453 |
| 24 | 499 |
| 25 | 548 |
| 26 | 567 |
| 27 | 78 |
| 28 | 0 |
| 29 | 0 |
| 30 | 47 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-237

UNIT NAME II

DATE Oct. 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE (815) 942-2920

REPORT MONTH September, 1986

| NO. | DATE | TYPE ¹ | DURATION (HOURS) | REASON ² | METHOD OF SHUTTING DOWN REACTOR ³ | LICENSEE EVENT REPORT # | SYSTEM CODE ⁴ | COMPONENT CODE ⁵ | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 8 | 86-09-17 | F | 77:02 (77.0) | A | 1 | --- | --- | --- | Off-line manually to investigate main condenser differential pressure problem. |

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error
H-Other (Explain)

³
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

⁴
Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report () File (NUREG-0161)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-249

UNIT NAME III

DATE Oct. 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE (815) 942-2920

REPORT MONTH September, 1986

| NO. | DATE | TYPE ¹ | DURATION (HOURS) | REASON ² | METHOD OF SHUTTING DOWN REACTOR ³ | LICENSEE EVENT REPORT # | SYSTEM CODE ⁴ | COMPONENT CODE ⁵ | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 1 | 86-09-02 | F | 64:33 (64.6) | A | 2 | 86-012-0 | --- | --- | 3B CRD pump auto-trip and manual Rx scram caused by stuck-open CRD M-3 charging water valve. |
| 2 | 86-09-04 | F | 27:45 (27.8) | A | Rx Remained Critical | --- | --- | --- | High vibration on #7 turbine bearing. |
| 3 | 86-09-27 | F | 82:52 (87.9) | A | 3 | 86-016-0 | --- | --- | Loss of vacuum in main condenser when flow reversing valve 3-4402-D failed, tripped turbine and hi flux, scrambled reactor. |
| 4 | 86-09-30 | S | 0:45 (0.8) | B | Rx Remained Critical | --- | --- | --- | Planned turbine overspeed test. |

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error
H-Other (Explain)

³
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

⁴
Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report () File (NUREG-0161)

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE RESULT | CORRECTIVE ACTION |
|----------------------------------|-------------------------|----------------------|--------------------------|---|
| 2-203-1C MSIV 10% TEST SWITCH | PREVENTIVE WR 055825 | N/A | ----- | REPLACED CONTACT BLOCK, OPERATED SWITCH SEVERAL TIMES WITH NO PROBLEM |
| 2-203-1C MSIV | PREVENTIVE WR 055826 | N/A | ----- | REPLACED LIMIT SWITCH, CYCLED SEVERAL TIMES WITH NO PROBLEM |

DRESDEN UNIT 2/3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|--|-------------------------|----------------------|-------------------|--------|---|
| 2/3-203 SPARE ELECTROMATIC | CORRECTIVE WR D44020 | N/A | ----- | ----- | DISASSEMBLED VALVE AND PILOT AND INSPECTED AND NEW DISC WAS REQUIRED FOR PILOT, REASSEMBLED AND TESTED, LEFT OK |
| 2/3-6601 DIESEL GENERATOR | CORRECTIVE WR D51618 | N/A | ----- | ----- | PERFORMED 5 YR. INSPECTION PER PROCEDURE, REPLACED ALL O-RINGS, LEFT OK |
| 2/3 DIESEL GENERATOR | PREVENTIVE WR D51814 | N/A | ----- | ----- | INSPECTED CHECK VALVE, FOUND NO PROBLEMS, INSPECTED AND CLEANED LUBE OIL STRAINER |
| 2/3-6601 EMERGENCY DIESEL GENERATOR | CORRECTIVE WR D53156 | N/A | ----- | ----- | REMOVED OLD OIL SCAVENGING AND FUEL OIL PUMP ASSEMBLY AND REPLACED WITH NEW ASSEMBLY, LEFT OK |
| DIESEL GENERATOR | PREVENTIVE WR D53208 | N/A | ----- | ----- | CHANGED TURBO CHARGE FILTER, SOAK BACK OIL FILTER AND 7 LUBE OIL FILTERS, PERFORMED 3 MONTH INSPECTION PER PROCEDURE, LEFT OK |
| 2/3-6601 DIESEL GENERATOR | CORRECTIVE WR D53681 | N/A | ----- | ----- | REPLACED PRESSURE CAP, LEFT AND RIGHT WATER PUMPS, O RINGS AND THERMOSTATIC ELEMENTS WITH NEW ONES, LEFT OK |
| D2 ACCUM. SPARE | CORRECTIVE WR D53935 | N/A | ----- | ----- | REBUILT CRD ACCUMULATOR PER PROCEDURE LEFT OK |
| 2/3 250V DC BATTERY CHARGER | CORRECTIVE WR D55995 | N/A | ----- | ----- | REPLACED BAD LOW VOLTAGE SENSING BOARD AND ADJUSTED CHARGER SETTINGS PER PROCEDURE, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR DUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---------------------------------------|--|----------------------|-------------------|--------|---|
| | | N/A | ----- | ----- | |
| U-3 RPS LOGIC | PREVENTIVE WR D35661 SLAVES 1-78 | N/A | ----- | ----- | REBUILT RELAYS PER PROCEDURE, LEFT OK |
| MCC 39-7 MOTOR CONTROL CENTER 480V | PREVENTIVE WR D36628 | N/A | ----- | ----- | INSTALLED 2 POLE FUSE BLOCKS AND FUSES PER WORK INSTRUCTIONS, LEFT OK |
| MCC 38-7 MOTOR CONTROL CENTER 480V | PREVENTIVE WR D36630 | N/A | ----- | ----- | COMPLETED E.Q. WORK PER WORK INSTRUCTIONS |
| CORE SPRAY SYSTEM LOGIC | CORRECTIVE WR D36725 SLAVES 1-26 | N/A | ----- | ----- | REBUILT RELAYS PER PROCEDURES AND REPLACED MAGNETIC COIL ASSEMBLY |
| LPRM 24-49A | PREVENTIVE WR D37136 | N/A | ----- | ----- | REPLACED SELECTOR SWITCH 53 FOR APRM AND VERIFIED PROPER SWITCH OPERATION PER PROCEDURE, LEFT OK |
| MAIN STEAM ISOLATING CONTROL | PREVENTIVE WR D37746 | N/A | ----- | ----- | REPLACED RELAYS AND CALIBRATED PER PROCEDURE, LEFT OK |
| 3-1601-21 PRATT BUTTERFLY | CORRECTIVE WR D39290 | N/A | ----- | ----- | WELDED BLOCKS, REPLACED BODY TO BONNET BOLTS AND ADAPTER CAPSCREWS WITH NEW GRADE 8, RETORQUED, LOCKTITED, STAKED AND COUNTER-SUNK BOLTS, LEFT OK |
| 24/48V BATTERIES | PREVENTIVE WR D43032 | N/A | ----- | ----- | ASSIST TECH STAFF IN TEST OF 24/48 VDC BATTERIES, LEFT OK |
| MOV 1501-27B | PREVENTIVE WR D43434 | N/A | ----- | ----- | COMPLETED E.Q. INSPECTION PER WORK INSTRUCTIONS |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|--|-------------------------|----------------------|-------------------|--------|--|
| 0-3 VENT LINES AND RX HD INSULATION | CORRECTIVE WR D44030 | N/A | ----- | ----- | REPLACED REACTOR HEAD INSULATION PER PROCEDURE, REPLACED GASKETS AND CLEANED ALL FLANGES, INSPECTED ALL AND LEFT OK |
| 3-1105A SBLC RELIEF VALVE A | CORRECTIVE WR D44085 | N/A | ----- | ----- | REMOVED AND TESTED VALVE PER PROCEDURE REPLACED SEAT DISC AND LAPPED, LEFT OK |
| WEST TORUS HATCH | CORRECTIVE WR D44111 | N/A | ----- | ----- | CLEANED AND INSTALLED NEW O-RINGS AND INSTALLED NEW STUDS, LEFT OK |
| 3-1301-1 MOV | PREVENTIVE WR D44567 | N/A | ----- | ----- | INSTALLED GREASE RELIEF AND REMOVED PLASTIC CAP FROM RELIEF VALVE, LEFT OK |
| MOV 1201-1 | PREVENTIVE WR D44578 | N/A | ----- | ----- | INSTALLED RELIEF VALVE TO CORRECT E.Q. DEFICIENCIES, LEFT OK |
| U3 TIPSHEAR VALVES | PREVENTIVE WR D45889 | N/A | ----- | ----- | REPLACED TIP SHEAR VALVES PER PROCEDURE, LEFT OK |
| REACTOR VESSEL HEAD | PREVENTIVE WR D45951 | N/A | ----- | ----- | CLEANED FLANGE AREA, INSTALLED VENT SYSTEM, LEFT OK |
| REACTOR VESSEL SHIELD | PREVENTIVE WR D45953 | N/A | ----- | ----- | INSTALLED RING GIRDER AND FUEL PAD SHIELD PLUGS, LEFT OK |
| 3-1501-44A D-3A CCSW PUMP | CORRECTIVE WR D46639 | N/A | ----- | ----- | REBUILT PUMP USING NEW SLEEVES, BEARING AND OIL SEALS, GASKET, SHAFT SLEEVE NUTS REPLACED PUMP COUPLING, LEFT OK |
| 3-0408B-6 SNUBBER (SCRAM DISCHARGE) | PREVENTIVE WR D47099 | N/A | ----- | ----- | REMOVED AND INSTALLED SNUBBER FOR FUNCTIONAL TEST |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------------------|--------|---|
| 3-1601-32E, 32F, 33E TORUS TO D.W. VACUUM BREAKERS | PREVENTIVE WR D47184 | N/A | ----- | ----- | REMOVED DISCS AND COVERS FROM VACUUM, INSPECTED AND REASSEMBLED. LEFT OK |
| TORUS AND ISOLATION CONDENSER | PREVENTIVE WR D47416 | N/A | ----- | ----- | TORUS WAS BLASTED AND RECOATED, LEFT OK |
| D-3 1501-22A | CORRECTIVE WR D48551 | N/A | ----- | ----- | CHANGED OUT ALL OLD GREASE OF LIMITORQUE AND REPLACED GASKETS, QUAD RINGS AND SEALS |
| D-3 MD-1501-22B | CORRECTIVE WR D48552 | N/A | ----- | ----- | REPAIRED BROKEN BEARING AND HANDWHEEL, INSTALLED NEW GASKETS, QUAD RINGS, SEALS AND O RINGS IN LIMITORQUE. INSTALLED MOBILUX GREASE, LEFT OK |
| 3-1201-1A | CORRECTIVE WR D48557 | N/A | ----- | ----- | DISASSEMBLED LIMITORQUE, CLEANED ALL OLD PARTS AND REASSEMBLED USING NEW GASKETS, QUAD RINGS AND MOBILUX GREASE, LEFT OK |
| COAXIAL CABLE #75067 & 75082 | PREVENTIVE WR D48565 | N/A | ----- | ----- | INSTALLED NEW COAX CONNECTORS PER WORK INSTRUCTIONS, LEFT OK |
| IRM 12 | CORRECTIVE WR D48659 | N/A | ----- | ----- | REPLACED BROKEN CONNECTOR ON CABLE AT DETECTOR, CHECKED PER PROCEDURE, LEFT OK |
| 3-1601 C&D TORUS TO D.W. VACUUM BREAKERS | CORRECTIVE WR D48711 | N/A | ----- | ----- | REMOVED COVERS AND VALVE DISC PER PROCEDURE, INSTALLED DISCS WITH NEW RUBBER SEATS AND INSTALLED COVERS, LEFT OK |
| 3-220-58A | CORRECTIVE WR D48730 | N/A | ----- | ----- | INSTALLED SEAT & DISC ASSEMBLY USING PROCEDURE, CLEANED O RING SEATING SURFACE AND PRESSURE SEAL RING AREAS, LEFT OK |
| SNUBBER #1402 | CORRECTIVE WR D48750 | N/A | ----- | ----- | REALIGNED PIPE CLAMP, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | HALF FUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|--|-------------------------|----------------------|---------------------|--------|---|
| SNUBBER #1504 | CORRECTIVE WR D48751 | N/A | ----- | ----- | MOVED BEARING ON END OF SNUBBER BACK IN PLACE AND STAKED PIN ON PROPER LOCATION, LEFT OK |
| SNUBBER #50 & 51 | CORRECTIVE WR D48752 | N/A | ----- | ----- | REINSTALLED AND STAKED BEARINGS ON 50 AND 51 SNUBBERS, LEFT OK |
| BUS TIE 34-1 TO 34 | PREVENTIVE WR D48791 | N/A | ----- | ----- | TAPED TWO LAYERS OF 130C AND ONE LAYER OF 33T PER E.Q. INSTRUCTIONS, LEFT OK |
| CORE SPRAY DISCHARGE VALVE 3-1402-24A | CORRECTIVE WR D48917 | N/A | ----- | ----- | DISASSEMBLED LIMITORQUE, CLEANED ALL OLD GREASE OUT AND INSTALLED NEW GASKETS, QUAD RINGS AND GREASED WITH MOBILUX, REASSEMBLED LIMITORQUE, LEFT OK |
| 3-1301-2 ISOLATION CONDENSER SUPPLY VALVE #2 ISOLATION | CORRECTIVE WR D48918 | N/A | ----- | ----- | REMOVED LIMITORQUE, CLEANED AND INSPECTED ALL PARTS, REASSEMBLED USING NEW QUAD RINGS, GASKETS AND O RINGS, INSTALLED MOBILUX GREASE, LEFT OK |
| 3-205-2-4 HEAD SPRAY VALVE | CORRECTIVE WR D48921 | N/A | ----- | ----- | DISASSEMBLED LIMITORQUE, REASSEMBLED USING NEW QUAD RINGS AND GASKETS, CLEANED OUT ALL OLD GREASE, LEFT OK |
| MOV 220-2 | PREVENTIVE WR D49034 | N/A | ----- | ----- | DISCONNECTED AND RECONNECTED VALVE PER WORK INSTRUCTION |
| MOV 1501-27B | PREVENTIVE WR D49048 | N/A | ----- | ----- | DISCONNECTED AND RECONNECTED VALVE PER WORK INSTRUCTIONS, SET LIMITS AND CYCLED, LEFT OK |
| 3RB-207 TO 222 TORUS THERMOCOUPLE JUNCTION BOXES | PREVENTIVE WR D49060 | N/A | ----- | ----- | INSPECTED ALL TORUS TEMP MONITOR JUNCTION BOXES FOR E.Q., CHANGED GASKETS LEFT OK |
| JET PUMP BEAM ASSEMBLY | CORRECTIVE WR D49174 | N/A | ----- | ----- | REPLACED JET PUMP BEAM ASSEMBLY #11 PER WORK INSTRUCTIONS, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|------------------------------------|-------------------------|----------------------|-------------------|--------|--|
| 3-220-1 | CORRECTIVE WR D49442 | N/A | ----- | ----- | REPLACED BROKEN BOLTS WITH NEW ONES, DRILLED BOLT HEADS AND LOCKED WIRED |
| MO-3-1301-4 | PREVENTIVE WR D50173 | N/A | ----- | ----- | INSTALLED 4 TRAIN CART RIDGE ASSEMBLY & GEARED LIMIT SWITCHES PER INSTRUCTIONS |
| 3-1601-32E TORUS VACUUM BREAKER | PREVENTIVE WR D50182 | N/A | ----- | ----- | REMOVED PACKING FLANGE, TORQUE TESTED AND INSPECTED, REINSTALLED PACKING FLANGE, LEFT OK |
| 3-1601-33E TORUS VACUUM BREAKER | PREVENTIVE WR D50183 | N/A | ----- | ----- | PULLED PACKING GLANDS FOR SHAFT INSPECTION AND REPLACED, LEFT OK |
| 3-1601-32F TORUS VACUUM BREAKER | PREVENTIVE WR D50184 | N/A | ----- | ----- | REMOVED AND INSTALLED PACKING FLANGES FOR GLAND SEAL AREA INSPECTION, LEFT OK |
| 3-2301-49 HPCI | PREVENTIVE WR D50308 | N/A | ----- | ----- | RESET LIMITS AND STROKED VALVE, CHECKED EVERYTHING OK |
| I.L.R.T. 4KV BREAKER | PREVENTIVE WR D50353 | N/A | ----- | ----- | SET TRIP CHECKED PROTECTIVE RELAYS PER INSTRUCTIONS |
| RPS RELAY 590-108C | PREVENTIVE WR D50367 | N/A | ----- | ----- | REMOVED STUCK WASHER IN THE RELAY, LEFT OK |
| MOV 2301-49 | PREVENTIVE WR D50469 | N/A | ----- | ----- | DISCONNECTED AND RECONNECTED AND OVERHAULED VALVE PER WORK INSTRUCTIONS |
| MOV 2301-48 | PREVENTIVE WR D50470 | N/A | ----- | ----- | DISCONNECTED AND RECONNECTED AND OVERHAULED VALVE PER WORK INSTRUCTIONS |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|--|-------------------------|----------------------|-------------------|--------|--|
| 3-203-1A TO 1D INBOARD MSIV'S | PREVENTIVE WR 050646 | N/A | ----- | ----- | REPLACED JUNCTION BOXES AND WIRING PER WORK INSTRUCTIONS, LEFT OK |
| 1501-5B LIMITORQUE | CORRECTIVE WR 050715 | N/A | ----- | ----- | REMOVED LIMITORQUE, CLEANED OUT OLD GREASE AND REASSEMBLED WITH NEW GASKETS QUAD RINGS AND O RINGS, INSTALLED NEW MOILU; GREASE, LEFT OK |
| D-3 LIMITORQUES | CORRECTIVE WR 050731 | N/A | ----- | ----- | INSPECTED ALL LIMITORQUE STEM NUT LOCKNUTS, WORK WAS COMPLETED ON WR 55918 |
| MOV 1501-27B | PREVENTIVE WR 050748 | N/A | ----- | ----- | REPLACED INTERNAL WIRING AND LUGS AND REPLACED GREASE IN GEARED LIMIT SWITCH |
| TE3-1641-200 THRU 215 SUPPRESSION POOL TEMPERATURE ELEMENT | PREVENTIVE WR 051055 | N/A | ----- | ----- | COMPLETED WORK PER PROCEDURES, REPLACED DAMAGED SEALTITE AND INPUT SELECTOR CARDS, LEFT OK |
| MAIN STREAM LINES TEST AND DRAIN VALVES IN X-AREA | CORRECTIVE WR 051069 | N/A | ----- | ----- | REPACKED ALL VALVES IN MAIN STREAM LINES |
| D-1510-16D, 1514-16D, 1510A-10D CCSW VAULT PENETRATIONS | PREVENTIVE WR 051076 | N/A | ----- | ----- | RTV'D AREA ON PENETRATIONS TO SEAL LEAKAGE, LEFT OK |
| 590-300 REACTOR MODE SWITCH | PREVENTIVE WR 051393 | N/A | ----- | ----- | REPLACED MODE SWITCH PER PROCEDURE |
| LITS 3-263-59AEB TURBINE TRIP CIRCUITRY | PREVENTIVE WR 051412 | N/A | ----- | ----- | CHANGED WIRE PER WORK INSTRUCTIONS, LEFT OK |
| 3-1601-23 PRATT BUTTERFLY VENT VALVE | CORRECTIVE WR 051653 | N/A | ----- | ----- | REBUILT AIR CYLINDER USING REBUILD KIT AND ALSO USED A NEW CYLINDER, REINSTALLED AIR OPERATOR, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------------------|--------|---|
| PRESSURE SENSORS | PREVENTIVE WR D52911 | N/A | ----- | ----- | COMPLETED CALIBRATING THE PRESSURE SENSORS PER PROCEDURES, COMPLETED VALVE AUDITS FOR ASSOCIATED SWITCHES |
| CONTROL ROOM PANELS | PREVENTIVE WR D53148 | N/A | ----- | ----- | COMPLETED WELD ON REAR PANEL OUTSIDE EDGE TO SKID CHANNEL PER INSTRUCTIONS |
| 3-MD-2301-48 | CORRECTIVE WR D53668 | N/A | ----- | ----- | REPLACED BONNETT AND REPACKED VALVE USING GRAFOIL, PACKING AND CHECKED VALVE STEM, LEFT OK |
| 3-5746A EAST LPCI ROOM COOLER MOTOR | PREVENTIVE WR D53928 | N/A | ----- | ----- | REPAIRED ONE MOTOR LEAD AFTER INSPECTION WITH NRD, CLOSED AND CLEARED FOR RUNNING LPCI COOLER |
| LPCI CONTROL LOGIC | CORRECTIVE WR D54174 | N/A | ----- | ----- | REPLACED DEFECTIVE SWITCHBOARD WIRE, LEFT OK |
| ATWAS CABINET CABLE CONNECTOR | PREVENTIVE WR D54294 | N/A | ----- | ----- | REINSTALLED CABLE JACKET INTO CONNECTOR AND RETIGHTENED, LEFT OK |
| 1602-3 U-3 TORUS LEVEL INDICATION | PREVENTIVE WR D54327 | N/A | ----- | ----- | PERFORMED WORK INSTRUCTIONS TO REMAKE INDICATOR SCALE, PERFORMED PROCEDURE TO VERIFY SCALE CALIBRATION |
| EAST LPCI ROOM COOLER MOTOR 3-5746-A | PREVENTIVE WR D54409 | N/A | ----- | ----- | REMOVED AND INSTALLED MOTOR LEADS BOX COVER FOR NRC INSPECTION |
| "A" LPCI PUMP MOTOR | PREVENTIVE WR D54413 | N/A | ----- | ----- | REMOVED AND INSTALLED MOTOR LEADS BOX COVER FOR NRC INSPECTION |
| SBLC TEST TAP CONNECTION | PREVENTIVE WR D54421 | N/A | ----- | ----- | REMOVED PIPE CAPS, INSTALLED HIGH PRESS LINE AND BUSHING FOR HYDRO |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------------------|--------|--|
| WEST LPCI ROOM COOLER 5746B | PREVENTIVE WR D54435 | N/A | ----- | ----- | REMOVED AND INSTALLED MOTOR LEADS BOX COVER FOR NRC INSPECTION |
| SBLC HYDRO HOSE | CORRECTIVE WR D54496 | N/A | ----- | ----- | REMOVED TEST HOSE AND FITINGS, INSTALLED AND CLEANED PIPE NIPPLES USING PST SEALANT, LEFT OK |
| 3-202-5B 3B RECIRC PUMP MO DISCHARGE | PREVENTIVE WR D54513 | N/A | ----- | ----- | TOOK CONTROL TRANSFORMER OUT OF 202-6B AND INSTALLED IN 202-5B AND PUT WIRES BACK IN SAME PLACE, ALSO REPLACED SOME BAD CONTACTS AND CLEANED REST, LEFT OK |
| 1302 ISOLATION CONDENSER | CORRECTIVE WR D54674 | N/A | ----- | ----- | MADE 2 4" STUDS OUT 5/8" THREADED ROD, INSTALLED AT MISSING LOCATIONS, LUBRICATED STUDS, LEFT OK |
| MOV 1301-1 | CORRECTIVE WR D54906 | N/A | ----- | ----- | REPLACED MOTOR ON MOV 1301-1 AND PERFORMED WORK PER TRAVELER, LEFT OK |
| 3-1101-1 SBLC MANUAL | PREVENTIVE WR D54916 | N/A | ----- | ----- | ADJUSTED LIMIT SWITCH FOR CORRECT INDICATION, LEFT OK |
| 3-5741B LPCI/CS AREA ROOM COOLER | PREVENTIVE WR D54928 | N/A | ----- | ----- | COMPLETED TAPING PROCEDURE PER WORK INSTRUCTIONS AND BECHTEL LETTER #11286 |
| CABLE AND CABLE TRAY CT 13 M1 | CORRECTIVE WR D54950 | N/A | ----- | ----- | CLEANED OIL FROM TRAYS AND CABLES, REPAIRED ALL DAMAGED CABLES PER WORK INSTRUCTIONS, LEFT OK |
| CABLE IN AND CABLE TRAY CT 13T | CORRECTIVE WR D54951 | N/A | ----- | ----- | CLEANED INSPECTED AND REPAIRED CABLES IN CABLE TRAY PER WORK INSTRUCTIONS, LEFT OK |
| 3-A0-1601-56 | CORRECTIVE WR D55085 | N/A | ----- | ----- | REPLACED AIR CYLINDER AND PISTON CUPS AND CLYLINDER END SEALS, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------------------|--------|---|
| CABLE TRAY AND CABLE IN CABLE TRAY CT 11 MI | CORRECTIVE WR D55112 | N/A | ----- | ----- | CLEANED OIL FROM TRAY AND CABLES, REPAIRED ALL DAMAGED CABLES PER WORK INSTRUCTIONS, LEFT OK |
| CABLE TRAY AND CABLE IN CABLE TRAY CT11T | CORRECTIVE WR D55113 | N/A | ----- | ----- | CLEANED INSPECTED AND REPAIRED ALL DAMAGED CABLES IN CABLE TRAY PER WORK INSTRUCTIONS, LEFT OK |
| CABLES IN CABLE TRAYS CT13TS AND CT13TN | PREVENTIVE WR D55150 | N/A | ----- | ----- | CUT WIRE IN CABLE TRAY CT13TS AND IDENTIFIED IT AS IRM #14 AND RECORDED IT IN WR 55149 |
| LT 3-263-61 & LT 3-763-101 | PREVENTIVE WR D55167 | N/A | ----- | ----- | ISOLATED AND CALIBRATED PER DATA CARD, NOTIFIED SHIFT SUPV. COMPLETED |
| MD 3-220-2 | PREVENTIVE WR D55238 | N/A | ----- | ----- | PERFORMED INSPECTION PER M.M.P. AND TRAVELER, OPENED AND CLOSED LIMIT COMPARTMENT FOR INSP. AND TIGHTENED ALL COVER BOLTS |
| U3 AOV 1601-21 | CORRECTIVE WR D55248 | N/A | ----- | ----- | REPLACED DAMAGED SEALTIGHT, LEFT OK |
| D3 RX DRYER AND SEPERATOR | CORRECTIVE WR D55272 | N/A | ----- | ----- | REPLACED SEPERATOR AND DRYER AND LATCHED DOWN PER WORK INSTRUCTIONS AND PROCEDURE |
| 2419B U3 CHNL *B* DW RAD MONITOR | CORRECTIVE WR D55289 | N/A | ----- | ----- | REPLACED DAMAGED CABLE SPLICE, INSTALLED OPERABLE SPARE RAD MONITOR, PERFORMED PROCEDURE ON NEW MONITOR, LEFT OK |
| 3-202-B RECIRC. PUMP | PREVENTIVE WR D55303 | N/A | ----- | ----- | INSTALLED SEAL KEEPERS AND TORQUED BOLTS REMOVED SEAL KEEPERS AND CHECKED POSITION OF THRUST BUTTON, WAS OK |
| INSTRUMENT BUS UV RELAY | PREVENTIVE WR D55311 | N/A | ----- | ----- | RESET AND REPLACED RELAY PER WORK INSTRUCTIONS |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------------------|--------|--|
| LPCI ALARMS | CORRECTIVE WR 055367 | N/A | ----- | ----- | REPAIRED WIRE AND CHANGED ALARM CARD |
| 3-0305-129 (38-31) CRD ACCUM (K-8) | PREVENTIVE WR 055371 | N/A | ----- | ----- | DRAINED DOWN WATER IN SENSOR CAVITY, VALVED SENSOR BACK IN AND ALARM RESET, LEFT OK |
| 3-0305-130 CRD ACCUM 42-07 (L-2) | PREVENTIVE WR 055374 | N/A | ----- | ----- | REPLACED PRESSURE SWITCH, WHICH WAS FILLED WITH WATER, AND PERFORMED PROCEDURE, LEFT OK |
| 3-833 GRAPPLE | PREVENTIVE WR 055383 | N/A | ----- | ----- | TOOK OLD SEALTITE OUT AND INSTALLED A NEW ONE, LEFT OK |
| 3-AD 1601-22 TORUS VENT VALVE | CORRECTIVE WR 055408 | N/A | ----- | ----- | DISASSEMBLED AD AND REPLACED CUPS, AIR CYLINDER AND END SEALS, REASSEMBLED AND LEFT OK |
| REFUEL GRAPPLE | PREVENTIVE WR 055431 | N/A | ----- | ----- | ADJUSTED SLACK CABLE SWITCH TO GET SLACK LIGHT INDICATION, LEFT OK |
| SRM & IRM'S | PREVENTIVE WR 055434 | N/A | ----- | ----- | PERFORMED WORK INSTRUCTIONS ON ALL SRM AND IRM'S, WR 055466 WRITTEN TO REPAIR SRM #24, ALL OTHERS LOOK OK |
| SRM AND IRM'S | PREVENTIVE WR 055443 | N/A | ----- | ----- | PERFORMED WORK INSTRUCTIONS PER WORK REQUEST, LEFT OK |
| 0-AD 1601-21 TORUS VENT VALVE | CORRECTIVE WR 055462 | N/A | ----- | ----- | DISASSEMBLED AIR OPERATOR AND REPLACED BAD AIR CYLINDER, CUPS AND END SEALS, REASSEMBLED AIR OPERATOR, LEFT OK |
| RM 3-755-024 SRM #24 DET. CONNECTION | CORRECTIVE WR 055466 | N/A | ----- | ----- | RETIGHTENED CONNECTOR, SHIELD TO GROUND RESISTANCE OK, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE RESULT | CORRECTIVE ACTION |
|--|-------------------------|----------------------|-----------------------------|--|
| RM3-755-17 IRM #17 INSIDE PENT. CONN. | CORRECTIVE WR D55467 | N/A | ----- | CHANGED OUT CONNECTOR ON DETECTOR TO REPAIR LOW VALVE RESISTENCE, LEFT OK |
| REFUEL GRAPPLE | PREVENTIVE WR D55468 | N/A | ----- | CHECKED TRACK SWITCHES AND FUSES ON REFUEL GRAPPLE AND ALL CHECKED OUT OK |
| 3A LPCI/CS ROOM COOLER | PREVENTIVE WR D55483 | N/A | ----- | MOTOR AND CIRCUIT TESTED, WILL REPAIR OPEN WIRE AT MOTOR CONNECTOR ON WR #55490 |
| REFUEL GRAPPLE | PREVENTIVE WR D55487 | N/A | ----- | ADJUSTED SLACK CABLE SWITCH TO GET PROPER INDICATION, LEFT OK |
| REFUEL GRAPPLE | PREVENTIVE WR D55488 | N/A | ----- | ADJUSTED LOAD CELL TO GET PROPER FUNCTIONING OF GRAPPLE, LEFT OK |
| 3-5746A LPCI-RM-CLR | PREVENTIVE WR D55490 | N/A | ----- | REPAIRED DAMAGED MOTOR SPLICE PER MMP AND TRAVELER, LEFT OK |
| 3-1402-25A | PREVENTIVE WR D55494 | N/A | ----- | CHECKED ALL SETTINGS AND PER WORK INSTRUCTIONS |
| FLOW SWITCH 3-1464A | PREVENTIVE WR D55496 | N/A | ----- | BACKFILLED 1464A PER WORK INSTRUCTION, VERIFYING FLOW INTO THE CORE SPRAY PIPING, LEFT OK |
| FLOW SWITCH 3-1464B | PREVENTIVE WR D55497 | N/A | ----- | BACKFILLED 1464B PER WORK INSTRUCTIONS, VERIFYING FLOW INTO THE CORE SPRAY PIPING, LEFT OK |
| 3-305-111 ACCUM 54-31 | CORRECTIVE WR D55519 | N/A | ----- | REMOVED OLD PACKING AND INSTALLED NEW PACKING AS PER WORK INSTRUCTIONS, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|--|-------------------------|----------------------|-------------------|--------|--|
| LPR# 56-33C | CORRECTIVE WR 055731 | N/A | ----- | ----- | RESPLICED CABLE AT INSIDE DRYWELL PENETRATION, PERFORMED PROCEDURE, LEFT OK |
| LPRM 48-41A | CORRECTIVE WR 055732 | N/A | ----- | ----- | RESPLICED INSIDE PENETRATION CONNECTION LEFT OK |
| LPRM 40-33C | CORRECTIVE WR 055733 | N/A | ----- | ----- | REPLACED CONNECTION AND TESTED PER PROCEDURE, LEFT OK |
| LPRM 08-41A | CORRECTIVE WR 055734 | N/A | ----- | ----- | REPLACED CONNECTOR AND TESTED PER PROCEDURE, LEFT OK |
| LPRM 32-33C | CORRECTIVE WR 055736 | N/A | ----- | ----- | RESPLICED CABLE AND ADDED NEW CONNECTOR NEAR CRD FLANGE AREA, TESTED CABLE PER PROCEDURE, LEFT OK |
| ROD BLOCK MONITOR #7 | CORRECTIVE WR 055777 | N/A | ----- | ----- | REPLACED +5 VOLT POWER SUPPLY WHILE PERFORMING PROCEDURE, LEFT OK |
| CABLE TRAY AND CABLE IN CABLE TRAY CT13M4 | PREVENTIVE WR 055797 | N/A | ----- | ----- | INSPECTED, CLEANED AND REPAIRED DAMAGED OUTER JACKET OF CABLES, LEFT OK |
| TERMINAL AA FUSE BLOCK | PREVENTIVE WR 055844 | N/A | ----- | ----- | RECONNECTED LOOSE WIRE AND INSURED THAT IT WAS TIGHT |
| CLEAN TRAY AND CABLE IN CABLE TRAY CT13M5 | PREVENTIVE WR 055882 | N/A | ----- | ----- | INSPECTED, CLEANED AND REPAIRED DAMAGED OUTER JACKET OF CABLES, LEFT OK |
| CABLE TRAY AND CABLE IN CABLE TRAY CT22TN TS | PREVENTIVE WR 055883 | N/A | ----- | ----- | REPAIRED DAMAGED OUTER JACKET OF CABLES PER WORK INSTRUCTIONS, INSPECTED AND CLEANED CABLES, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | CAUSE | MALFUNCTION RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------|--------------------|--|
| 1301-3 ISOLATION COND. INLET MO | CORRECTIVE WR D55918 | N/A | ----- | ----- | TIGHTENED DRIVE LOCK NUT AND STAKED PER WORK INSTRUCTIONS, LEFT OK |
| MOV 1001-1B | PREVENTIVE WR D55939 | N/A | ----- | ----- | CORRECTED ALL E.Q. DEFICIENCIES, USED 1/4" RUBBER GASKET MATERIAL FOR CABLES IN ACTUATOR, LEFT OK |
| 3-1601-20B TORUS VENT VALVE | CORRECTIVE WR D55943 | N/A | ----- | ----- | REINSTALLED OLD VALVE, NEW BOTTOM TRUNNION PACKING, CLEANED VALVE, INSPECTED FLANGES SEAT AND DISC AREA, LEFT OK |
| 3-263-2-31K INST. FLOW CHECK VALVE | CORRECTIVE WR D55991 | N/A | ----- | ----- | INSTALLED NEW POPPET VALVE, FILED SEAT PER PROCEDURE, TESTED OK, LEFT OK |
| 3-220-18A INST FLOW CHECK VALVE | CORRECTIVE WR D55992 | N/A | ----- | ----- | INSTALLED NEW POPPET VALVE, TESTED, FILED SEAT, LEFT OK |
| 263-100A, 100B LEVEL INDICATORS-MEDIUM RANGE | CORRECTIVE WR D56019 | N/A | ----- | ----- | PERFORMED PROCEDURE, RECALIBRATED METER, LEFT OK |
| 3-1402-8A CORE SPRAY STOP-CHECK VALVE | CORRECTIVE WR D56029 | N/A | ----- | ----- | REMOVED BONNET AND VALVE INTERNALS, FOUND VALVE STUCK OPEN AND CLEANED, REASSEMBLED VALVE, LEFT OK |
| P-3 SECTION OF CRD ACCUM. MANIFOLD | CORRECTIVE WR D56051 | N/A | ----- | ----- | INSTALLED O-RING AND TIGHTENED PLUG PER WORK INSTRUCTIONS, LEFT OK |
| 3-2301-8 VALVE | PREVENTIVE WR D56054 | N/A | ----- | ----- | ADJUSTED PACKING TO ELIMINATE LEAKAGE, LEFT OK |
| 3-305-104 VALVE ON CRD ACCUMULATOR | PREVENTIVE WR D56103 | N/A | ----- | ----- | TIGHTENED PACKING AND LEAKAGE STOPPED |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|-------------------------|----------------------|-------------------|--------|--|
| 3-1401-A CORE SPRAY PUMP | PREVENTIVE WR D56123 | N/A | ----- | ----- | DISASSEMBLED AND REASSEMBLED CYCLONE STRAINER, FOUND STRAINER TO BE CLEAN, LEFT OK |
| DIESEL GENERATOR AIR START REGULATOR | CORRECTIVE WR D56158 | N/A | ----- | ----- | REPLACED AIR START REGULATOR VALVE, LEFT OK |
| *8* CORE SPRAY SUCTION SPOOL PIECE | PREVENTIVE WR D56175 | N/A | ----- | ----- | REMOVED SPOOL PIECE AND PERFORMED CLEANLINESS INSPECTION AND REINSTALLED LEFT OK |
| 1600 SNUBBERS #405 AND #406 | CORRECTIVE WR D56227 | N/A | ----- | ----- | ADJUSTED AND TIGHTENED PIPE CLAMPS ON SNUBBERS, LEFT OK |
| FT 3-1549-B LPCI SYSTEM II FLOW COMPUTER POINT | PREVENTIVE WR D56251 | N/A | ----- | ----- | COMPLETED APPLICABLE SECTIONS OF PROCEDURE TO CHECK COMPUTER POINT ACCURACY AND FOUND IT TO BE GOOD |
| TARGET ROCK BELLOWS SEAL PRESSURE SWITCH 3-3A | CORRECTIVE WR D56253 | N/A | ----- | ----- | REPLACED CABLE FROM BELLOWS SEAL PRESSURE SWITCH TO FIRST JUNCTION BOX. TESTED SWITCH PER PROCEDURE, LEFT OK |
| ATWS | PREVENTIVE WR D56259 | N/A | ----- | ----- | TURNED ON CIRCUIT BREAKER #14 THAT WAS FOUND TO BE OFF, RESET TROUBLE ALARM, LEFT OK |
| 3-1402-8C CORE SPRAY STOP CHECK VALVE | PREVENTIVE WR D56279 | N/A | ----- | ----- | DISASSEMBLED VALVE, CLEANED PARTS AND REASSEMBLED VALVE, LEFT OK |
| LIS 3-263-72B RX LEVEL ECCS YARWAY | CORRECTIVE WR D56307 | N/A | ----- | ----- | REALIGNED MAGNET FOR LO-LO LEVEL SWITCH, PERFORMED PROCEDURE, LEFT OK |
| 3 AD-1601-20A TORUS VENT VALVE | CORRECTIVE WR D56309 | N/A | ----- | ----- | REPAIRED LEAKING VALVE BY REPLACING O RINGS USING REPAIR KIT, LEFT OK |

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

| EQUIPMENT | NATURE OF MAINTENANCE | LER OR OUTAGE NUMBER | MALFUNCTION CAUSE | RESULT | CORRECTIVE ACTION |
|---|--------------------------|-------------------------|----------------------|--------|--|
| 3-1626 TORUS LEVEL INSTRUMENTS | CORRECTIVE WR D56324 | N/A | ----- | ----- | BACK FLUSHED SENSING LINES PER WORK INSTRUCTIONS, LEFT OK |
| 3-1402-26A | PREVENTIVE WR D56503 | N/A | ----- | ----- | REMOVED AND INSTALLED BONNET FOR HYDROLAZING, LEFT OK |
| HM3-2402-81B "B" ACAD CAM H2O2 MONITOR | CORRECTIVE WR D56741 | N/A | ----- | ----- | CLEANED DIRT OFF VALVES AND SEATS AND INSTALLED NEW O RINGS AND MADE 2 NEW HEAD GASKETS, REASSEMBLED PUMP AND LEFT OK |

UNIQUE REPORTING REQUIREMENTS

MAIN STEAM RELIEF VALVE OPERATIONS

Relief valve operations during the reporting period of September, 1986 are summarized in the following table. The table includes information as to which relief valve was actuated, how it was actuated, and the circumstances resulting in its actuation.

| <u>Unit</u> | <u>Reporting Period</u> | <u>Valves Actuated</u> | <u>Actuations</u> | <u>Conditions</u> | <u>Description of Events</u> |
|-------------|-------------------------|------------------------|-------------------|-------------------|------------------------------|
| 2 | 09-01-86 to 09-30-86 | None | | | |
| 3 | 09-01-86 to 09-30-86 | None | | | |

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

SEPTEMBER, 1986

09-01-86 to 09-20-86 Unit 2 entered the month on-line at a power level of 804 MWe and operated until 0125 hours of September 17th when the turbine was manually tripped off-line to improve main condenser performance. The reactor was manually made sub-critical at 0709 hours of the same day.

While the unit was off-line, the main condenser was inspected for resolution of improving vacuum and performance. After determinations were completed, the reactor was made critical on September 19th at 0427 hours and the turbine was brought on-line at 0627 hours of September 20th.

09-20-86 to 09-30-86 The unit operated the remainder of the month reaching a power level of 737 MWe with an availability of 89.30% and a capability of 71.59%.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

SEPTEMBER, 1986

- 09-01-86 to 09-04-86 Unit 3's refueling and recirculation piping replacement outage was officially over at 0905 hours of September 1st, when the turbine was synchronized to the system, culminating a 10 month duration. A manual reactor scram and turbine trip at 0330 hours of September 2nd was performed because CRD pump 3B auto-tripped when the charging water valve of CRD M-3 stuck open. After repairs were executed the reactor was made critical at 0320 hours of September 4th and the turbine was brought on-line at 2003 hours of the same day.
- 09-04-86 to 09-06-86 At 2030 hours the turbine was manually tripped off-line because of high vibration on #7 bearing (the reactor remained critical). After determinations about bearings and turbine bearing oil were completed, the unit was brought on line at 0015 hours of September 6th.
- 09-06-86 to 09-27-86 The unit operated, reaching a power level of 850 MWe, until the 27th at 0428 when an automatic turbine trip and subsequent hi flux scram occurred because of flow reversing valve 3-4402D failure.
- 09-27-86 to 09-30-86 After repairs were effected, the reactor was made critical on September 27th at 2045 hours and the unit was brought on-line at 1520 hours of September 30th. At 2128 hours of the same day, the turbine was manually taken off-line to perform the normal turbine overspeed test and the turbine was brought on-line at 2213 hours after the successful test. Availability for the month was 74.31% and capability was 39.55%



Commonwealth Edison
Dresden Nuclear Power Station
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Telephone 815/942-2920

October 1, 1986

EDE LTR: 86-080

Director, Office of Inspection
and Enforcement
United States Nuclear Regulatory
Commission
Washington, DC 20555

Attention: Document Control Desk

Dear Sir:

Enclosed, please find Dresden Station's operating data for the month of August, 1986. This information is supplied to your office per the instructions set forth in Regulatory Guide 1.16.

Sincerely,

E. D. Eenigenburg
Station Manager
Dresden Nuclear Power Station

EDE:DCM:hjb

Enclosure

cc: Region III, Regulatory Operations, U.S. NRC
Chief, Division Nuclear Safety, State of IL
U.S. NRC, Document Management Branch
Nuclear Licensing Administrator
Nuclear Fuel Services Manager
Nuc. Sta. Div. Vice Pres.
Manager, Tech. Serv. Nuc. Sta.
Tech Staff A.E. (2)
On-Site NRC Inspector
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