



Commonwealth Edison

Dresden Nuclear Power Station
R.R. #1
Morris, Illinois 60450
Telephone 815/942-2920

February 1, 1991

EDE LTR: #91-088

Director, Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

Attention: Document Control Desk

Subject: Monthly Operating Data Report
Dresden Nuclear Power Station
Commonwealth Edison Company
Docket Nos. 50-010, 50-237, and 50-249

Gentlemen:

Enclosed is the Dresden Nuclear Power Station Monthly Operating Summary Report for January, 1991. This information is supplied to your office in accordance with the instructions set forth in Regulatory Guide 1.16. Please note that the report contains information which had been previously submitted to your attention on an annual basis in accordance with 10CFR50.59.

Sincerely,

E. D. Eenigenburg
Station Manager
Dresden Nuclear Power Station

EDE:DM:jws

Enclosure

cc: U.S. NRC Region III Office
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MONTHLY NRC
SUMMARY OF OPERATING EXPERIENCE,
CHANGES, TESTS, AND EXPERIMENTS
PER REGULATORY GUIDE 1.16 AND 10 CFR 50.59
FOR
DRESDEN NUCLEAR POWER STATION
COMMONWEALTH EDISON COMPANY
FOR JANUARY, 1991

UNIT	DOCKET	LICENSE
1	050-010	DPR-2
2	050-237	DPR-19
3	050-249	DPR-25

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1.0 Introduction

Dresden Nuclear Power Station is a three reactor generating facility owned and operated by the Commonwealth Edison Company of Chicago, Illinois. Dresden Station is located at the confluence of the Kankakee and Des Plaines Rivers, in Grundy County, near Morris, Illinois.

Dresden Unit 1 is a General Electric Boiling Water Reactor with a design net electrical output rating of 200 megawatts electrical (MWe). The unit is retired in place with all nuclear fuel removed from the reactor vessel. Therefore, no Unit 1 operating data is provided in this report.

Dresden Units 2 and 3 are General Electric Boiling Water Reactors with design net electrical output ratings of 794 MWe each.

Waste heat is rejected to a man-made cooling lake using the Kankakee River for make-up and the Illinois River for blowdown.

The Architect-Engineer for Dresden Units 2 and 3 was Sargent and Lundy of Chicago, Illinois.

This report for January, 1991 was compiled by Donald C. Maxwell of the Dresden Technical Staff, telephone number (815)942-2920 extension 2489.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR JANUARY, 1991

2.1 UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY

01-01-91 to 01-31-91 Unit 2 remained off-line during the month of January for its 12th Refueling Outage. Major work during the month included:

- In-Service Inspection (ISI) of various Primary System Piping.
- Normal Refueling Outage related work.
- Local Leak Rate Testing of various Primary Containment Valves and Components

The Unit 2 reactor was made critical on January 4, 1991, and reactor heatup and pressurization followed. In the course of turbine roll, a bearing problem resulted in the turbine being manually tripped. The reactor was subsequently shutdown. Turbine bearing repairs were begun, and the month ended with repairs in progress. Further, with the unit shutdown, a decision was made to replace the Recirculation Pump 2A shaft. This replacement activity was also in progress at the end of January.

SUMMARY OF OPERATING EXPERIENCE FOR JANUARY, 1991

2.2 UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY

01-01-91 to 1-31-91

Unit 3 entered the month on-line and operating in Single Loop Operation at 330 MWe. The 3B Recirculation Pump motor had experienced high vibration and was idle. On 1-13-91 at 1105 hours the Unit was taken off-line to repair the 3B Recirculation Pump motor and the Reactor was made sub-critical at 1525 hours of the same day.

The unit remained off-line the remainder of the month while repairs to the 3B Recirculation Pump motor were being done. Capacity factor of the unit was 15.8% and the availability factor was 40.2%.

3.3 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT II

DATE February 1, 1991

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH JANUARY, 1991

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

3.4 AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT III

DATE February 1, 1991

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH JANUARY, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	313	17	0
2	311	18	0
3	310	19	0
4	310	20	0
5	303	21	0
6	297	22	0
7	299	23	0
8	298	24	0
9	307	25	0
10	310	26	0
11	310	27	0
12	309	28	0
13	117	29	0
14	0	30	0
15	0	31	0
16	0		

3.5 UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-237
 UNIT NAME DRESDEN UNIT II
 DATE February 1, 1991
 COMPLETED BY D. C. Maxwell
 TELEPHONE (815)942-2920

REPORT MONTH JANUARY, 1991

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
4	09-23-90	S	744.0	C	1	N/A	N/A	N/A	Off-line for 12th Refueling Outage.

1
 F: Forced
 S: Scheduled

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

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

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

5 Exhibit I - Same Source

DOCKET NO. 050-249
 UNIT NAME DRESDEN UNIT III
 DATE February 1, 1991
 COMPLETED BY D. C. Maxwell
 TELEPHONE (815)942-2920

3.6 UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY, 1991

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
0	01-13-91	S	444.9 (444:55)	A	1	N/A	AD	MG	3B Recirc Pp Motor High V oration repair.

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

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

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

5 Exhibit I - Same Source

3.7 COMMONWEALTH EDISON COMPANY - DRESDEN NUCLEAR POWER STATION
MAXIMUM DAILY ELECTRICAL LOAD FORM
FOR THE MONTH OF JANUARY, 1991

Day	Hour Ending	kWe
1	1400	337,700
2	0100	336,300
3	0200	334,500
4	0400	334,600
5	0900	334,400
6	0300	334,000
7	0400	323,300
8	2200	323,400
9	1300	335,500
10	0100	334,200
11	1700	333,300
12	1500	333,000
13	0700	332,600
14	N/A	0
15	N/A	0
16	N/A	0
17	N/A	0
18	N/A	0
19	N/A	0
20	N/A	0
21	N/A	0
22	N/A	0
23	N/A	0
24	N/A	0
25	N/A	0
26	N/A	0
27	N/A	0
28	N/A	0
29	N/A	0
30	N/A	0
31	N/A	0

4.0 UNIQUE REPORTING REQUIREMENTS

4.1 MAIN STEAM RELIEF VALVE OPERATIONS

Relief valve operations during the reporting period, January, 1991, 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>Date</u>	<u>Values Actuated</u>	<u>No. and Type of Actuations</u>	<u>Plant Conditions</u>	<u>Description of Events</u>
2	1-5-91	2-203-3A	2, Manual	Start-up	Relief valves were lifted during performance of Dresden Operating Surveillance Surveillance (DOS) 250-5, Automatic Blowdown System Test at Low Pressure and Rated Pressure.
		2-203-3B	2, Manual	Start-up	
		2-203-3C	2, Manual	Start-up	
		2-203-3D	2, Manual	Start-up	
		2-203-3E	2, Manual	Start-up	

- 3 No Unit 3 Main Steam Relief and/or Safety Valve actuations occurred during this reporting period.

4.2 OFF-SITE DOSE CALCULATION MANUAL (ODCM) CHANGES

No ODCM changes were reported for the month of January, 1991. However, On-Site Review No. 90-21 was conducted, which proposed revision of the ODCM to contain the Radiological Effluent Technical Specifications (RETS) in accordance with NRC Generic Letter 89-01. Off-Site Review, Nuclear Licensing, and Corporate Emergency Preparedness are reviewing this change as of the date of this report. Further, minor changes to the ODCM are required for approval. None of the changes will reduce the accuracy or reliability of dose calculations or setpoint determinations.

4.3 MAJOR CHANGES TO THE RADIOACTIVE WASTE TREATMENT SYSTEMS during January 1991

In 1991 the Radwaste Upgrade will continue with installation of 10" and 12" Equipment Drain and Floor Drain Tank Inlet Headers.

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MAJFUNCTION CAUSE	RESULT	CORRECTIVE ACTION
3-1501-2A 2A CCSM DISCH VALVE	CORRECTIVE WR D76156	N/A	-----	-----	REPLACED DISC WELDED AND GROUND GUIDES, REASSEMBLED VALVE STROKE AND SET NEW PACKING
B-2 220-62B	PREVENTIVE WR D81758	N/A	-----	-----	REMOVED BONNET, INSTALLED NEW OIL RING, NEW DISC RING ASSEMBLY, LOCK WIRED BOLTS
2-022-2	CORRECTIVE WR D82143	N/A	-----	-----	REPLACED PUSH BUTTON STATION, LUGS, RUBBER GASKET AND BULBS
2-2301-28 U-2 MPC1 DRN POT	CORRECTIVE WR D82665	N/A	-----	-----	REPLACED VALVE
2A DRYWELL COOLER BLOWER	PREVENTIVE WR D84057	N/A	-----	-----	CLEANED, CHECKED, LUBRICATED BREAKER
2TB-A-17, 19, B18, 20 U-2 JUNCTION BOXES	CORRECTIVE WR D84999	N/A	-----	-----	INSTALLED NEW TERMINAL BLOCKS INTO THE 4 JB'S 2TB-A17, 2TB B18, 2TB A19, 2TB B20 PER STATION TRAVELER
2F DRYWELL COOLER BLOWER 400V CB	PREVENTIVE WR D85070	N/A	-----	-----	DID INSPECTION & MAINTENANCE ON BRKR., CLEANED, CHANGED OUT BREAKER CONTACTS DUE TO POOR WIPE, CHANGED OUT ARC DASH POTS DUE TO LEAKAGE
2-1501-35 TDRUS X-FER ISOLATION VALVE	CORRECTIVE WR D85311	N/A	-----	-----	REMOVED OLD HARD PACKING AND INSTALLED NEW
2-5746-A 2A 2PCI ROOM COOLER	PREVENTIVE WR D86112	N/A	-----	-----	REMOVED GUARD AND BELTS, REMOVED AND REPLACED BEARINGS, REMOVED FILTERS AND CLEANED FILTERS AND COILS, REPLACED FILTERS & HOOKED UP BELTS AND GUARD
2-2301-35 NOV	PREVENTIVE WR D86756	N/A	-----	-----	REPLACED SPRING PACK AGM

GREENHORN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LEVER OR OUTAGE NUMBER	MAINTENANCE CASE NUMBER	CORRECTIVE ACTION
2-2301 0-2 HPCI AUX OIL PUMP	PREVENTIVE MR 090232	N/A		REPLACED 2ND STAGE IMPELLER WITH NEW
2-2301-46 0-2 HOLD POU-2301-46	PREVENTIVE MR 090710	N/A		REPLACED AIR DIAPHRAGM, PACKING, SPRING ADJUSTER AND INSTALLED NEW GASKET
2-220-2	PREVENTIVE MR 090822	N/A		ADJUSTED PACKING AND VERIFIED NO LEAKAGE, LUBED STEM
2-220-1	PREVENTIVE MR 090823	N/A		ADJUSTED PACKING AND LUBED STEM
2-203-2E 2E ELECTROHMATIC	PREVENTIVE MR 090824	N/A		REMOVED MAIN VALVE SW BR 7802, REPLACED WITH REBUILT BR 7079
2-203-3D 3D ELECTROHMATIC	PREVENTIVE MR 090825	N/A		REMOVED AND REPLACED PILLI FOLLOWING ALL PERISHABLE STEPS IN OMP 0200-35
2-203-3C 3C ELECTROHMATIC	PREVENTIVE MR 090826	N/A		REMOVED OLD VALVE, CLEANED GASKET SURFACE, REPLACED WITH REBUILT VALVE
2-203-3B 0-2 B ELECTROHMATIC	PREVENTIVE MR 090827	N/A		REMOVED AND REPLACED PILLI ON ELECTROHMATIC FOLLOWING ALL PERISHABLE STEPS IN OMP 0200-35, ADDRESSSED ALL HOLD POINTS AND TESTING
2-203-1E 0-2 IB MSIV 1C	PREVENTIVE MR 090829	N/A		CLEANED GUIDE POSTS AND STEM, FILED OUT NICKS AND BURS TILL SMOOTH
2-203-1B 0-2 IB MSIV	PREVENTIVE MR 090830	N/A		CLEANED GUIDE POSTS AND STEM, ALSO FILED OUT NICKS AND BURS TILL SMOOTH

OVERSEEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LEAF OR OUTAGE NUMBER	CAUSE	WALFORD ION RESULT	CORRECTIVE ACTION
2-1501-21A MOU	PREVENTIVE MR 007019	N/A			PERFORMED THE LIMITROQUE OPERATION MAINTENANCE DEP 0040-09. ALSO PERFORMED THE EQ MAINTENANCE
2-2301-31 VALVE	PREVENTIVE MR 0089002	N/A			REPLACED THE VALVE AND APPLICABLE COMPONENTS
M-2309-09 LFCI SUPPORT	CORRECTIVE MR 008410	N/A			REMOVED AND INSTALLED 2 NEW ANCHORS
2-2386 HPCI FLOW MOU SIGNAL CONVERTER	CORRECTIVE MR 008575	N/A			REPLACED CAPACITORS 3C AND 4C WITH LINE FOR LINE. VERIFIED ACCEPTABLE VC VOLTAGE AND AC RIFFLE TESTED CIRCUIT
2-3317B-12 th -L LINE	PREVENTIVE MR 009142	N/A			INSTALLED NEW BASE PLATES AND ANCHOR BOLTS PER MUTECH DRAWING M-3204-10 SHEETS 1-3
2-MO-2301-B D-2 2301-B	PREVENTIVE MR 009227	N/A			REMOVED, CHECKED, AND REASSEMBLED PARTS
APRM #1	CORRECTIVE MR 009354	N/A			REPLACED THE METER FUNCTION SWITCH
2-2323-1 st -E HPCI STEAM LINE (GAIN PNT TO CONDENSER) UNIT 2	PREVENTIVE MR 009150	N/A			CUT OUT AFFECTED PIPING BEQUINED TO ELIMINATE BOTH FERROUS ENGLURES. FABRICATED NEW PIPING ASSEMBLY & INSTALL LINE WAS REINSULATED
2-1501-11A	CORRECTIVE MR 009205	N/A			REPACKED VALVE WITH NEW PACKING
2-2301-3	PREVENTIVE MR 009207	N/A			ADDED 1 KING OF PACKING TO STUFFING BOX LUBRICATED STEM, GLAND AND FLANGE STUDS. EVENLY TIGHTENED FLANGE NUTS TIL RINGS WERE OMR RESEED

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MAJFUNCTION CAUSE	RESULT	CORRECTIVE ACTION
2-2303-00F D-2 HPCI OIL FILTER	PREVENTIVE NR 090832	N/A	-----	-----	REMOVED, CLEANED, INSPECTED AND REINSTALLED EAST AND WEST HPCI L/L FILTERS
2-2500-MISC D-2 HPCI	PREVENTIVE NR 090833	N/A	-----	-----	DRAINED OIL FROM TANK, PERFORMED VISUAL INSPECTION
2-202-4A	PREVENTIVE NR 090867	N/A	-----	-----	INSPECTED GREASE, FOUND GREASE AND GREASE LEVEL TO BE ACCEPTABLE
2-2301-4	PREVENTIVE NR 090870	N/A	-----	-----	INSPECTED GREASE, FOUND GREASE AND GREASE LEVEL TO BE ACCEPTABLE
2-1301-1	PREVENTIVE NR 090895	N/A	-----	-----	FOUND GREASE UNACCEPTABLE, REBUILT PER NR90895, REPLACED: 2 HANDWHEEL BEARINGS, 1 WORKSHAFT BEARING, AND 1 WORKSHAFT BEARING REAR
2-1001-1A D-2 MD-1001-1A	PREVENTIVE NR 090899	N/A	-----	-----	INSPECTED GREASE, FOUND GREASE AND GREASE LEVEL TO BE ACCEPTABLE
2-A1-220-47	PREVENTIVE NR 091200	N/A	-----	-----	REMOVED OLD REGULATOR AND INSTALLED WITH NEW, REPLACED KINKED SUPPLY AIR LINE AND REINSTALLED WITH NEW FITTINGS
2-202-5A MOV	PREVENTIVE NR 091331	N/A	-----	-----	USING LIBERTY TEST EQUIPMENT, DIAGNOSTICALLY TESTED MOV 2-202-5A
2-202-5B MOV	PREVENTIVE NR 091332	N/A	-----	-----	USING LIBERTY TEST EQUIPMENT, DIAGNOSTICALLY TEST MOV 2-202-5B
2-1001-1A (P)	PREVENTIVE NR 091340	N/A	-----	-----	USING LIBERTY TEST EQUIPMENT, DIAGNOSTICALLY TESTED MOV 2-1001-1A

CRESER UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LEAF OR OUTAGE NUMBER	HALF FUNCTION CAUSE	RESOLUTION	CORRECTIVE ACTION
MOV 2-1001-1B	PREVENTIVE MR 091341	N/A			USING LIBERTY TEST EQUIPMENT. DIAGNOSTICALLY TESTED MOV2-101-1B
MOV 2-1001-2B	PREVENTIVE MR 091343	N/A			VOTES TESTED VALVE
2-1201-1 MOV	PREVENTIVE MR 091345	N/A			USING LIBERTY TEST EQUIPMENT. DIAGNOSTICALLY TESTED MOV2-1201-1
2-1201-2 MOV	PREVENTIVE MR 091347	N/A			USING LIBERTY TEST EQUIPMENT. DIAGNOSTICALLY TESTED MOV 2-1201-2
2-1501-32A MOV	PREVENTIVE MR 091322	N/A			USING LIBERTY TEST EQUIPMENT. DIAGNOSTICALLY TESTED MOV2-1501-32A
2-220-2 MOV	PREVENTIVE MR 091307	N/A			INSTALLED VOTES SENSOR ON MOV 2-220-2
2-1201-2 MOV	PREVENTIVE MR 091395	N/A			INSTALLED VOTES SENSOR ON MOV 2-1201-2
LFPM CABLES	CONNECTIVE MR 091752	N/A			INSTALLED NEW CONN ON LFPM CA16-336* 24-578 END TO FAILED CONN INSTALLED NEW CONN ON 32-570 AT IRON LEVEL. ALSO INST. 6" PIECE OF LFPM CA TO 32-570
2-203-1B 0-2 IB MSIV AIR OPERATOR	PREVENTIVE MR 091791	N/A			REPLACED 2 SEALS* ADJUSTED PACKING AND LUBRICATED STEM
2-203-1C 0-2 IB MSIV AIR OPERATOR IC	PREVENTIVE MR 091792	N/A			DISASSEMBLED PILOT VALVE ASSEMBLY. REPLACED O RINGS AND SPRINGS. REBUILT & TESTED AS REQUIRED. DISASSEMBLED MSIV AIR OPERATOR. REPLACED 2 RING SEALS & O RINGS

OVERSEEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LES OR OUTAGE NUMBER	MAINTENANCE CASE NUMBER	REPAIR RESULT	CORRECTIVE ACTION
2-220-57B B-2 VALVE	PREVENTIVE MR 091839	N/A			ADJUSTED PACKING TO STOP LEAKAGE + CLEANED AND LUBED STEM
2-1601-63 DC DRYWELL VENT VALVE	PREVENTIVE MR 091889	N/A			DISASSEMBLED, INSPECTED, REASSEMBLED VALVE
2-1601-22 B-2 DRYWELL VENT VALVE	PREVENTIVE MR 091890	N/A			DISASSEMBLED, INSPECTED, REASSEMBLED VALVE
2-1601-20B DC DRYWELL VENT VALVE	PREVENTIVE MR 091891	N/A			DISASSEMBLED, INSPECTED, CLEANED, REASSEMBLED AIR OPERATOR ON VENT VALVE 1601-20B
2-1102-A B-2A SEAL PUMP	PREVENTIVE MR 091922	N/A			DISASSEMBLED, PUMP BEAR BOX AND CRANK CASE, REPLACED SEALS, MACHINED VALVES AND NME PLUNGER GUIDES, REASSEMBLED
2-1102B B-2B SEAL PUMP	PREVENTIVE MR 091923	N/A			DISASSEMBLED PUMP, CRANK CASE AND GEARBOX, INSPECTED PARTS, REPLACED SEALS, PACKING AND MACHINED VALVES, NME GUIDE BUSHES, REASSEMBLED
2-2301-64 DC HPCI 2301-64 VALVE	PREVENTIVE MR 091946	N/A			REPACKED VALVE, SET VALVE STROKE, REPLACED AIR DIAPHRAGM, VERIFIED NO LEAKS
2-1502-6 2B LPCI PUMP	CORRECTIVE MR 092391	N/A			REPLACED BOLT IN FLANGE MOTOR COOLING LINE
2-3999-253 SERVICE WATER TO EMERG AIR CONDENS CHECK VALVE	PREVENTIVE MR 092529	N/A			REMOVED BONNET AND ASSISTED TO IN TEST FAILED, REPLACED PER ABOVE WORK INSTRUCTIONS
2-2301-51 HPCI AIR COOLING WATER PUMP DISCH CHECK VALVE	PREVENTIVE MR 092542	N/A			REMOVED OLD CHECK VALVE, CLEANED, REPLACED WITH NEW GASKETS AND CHECK VALVE INSTALLED

GREENW 2011 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LEP OR OUTAGE NUMBER	CAUSE	FUNCTIONAL RESULT	CORRECTIVE ACTION
2-1301-11 ISO CONDENSER NU CHECK VALVE	PREVENTIVE MR 092546	N/A			REMOVED INSULATION AND BRACKET. REMOVED FLAPPER INSPECTED BY TECH STAFF. ALL OK. REINSTALLED WITH NEW GASKET AND TIGHTEN DOWN BURNETT
2-1501-1A CDSM 1-000F A DISCHARGE CHECK VALVE	PREVENTIVE MR 092592	N/A			REPLACED EARLY CORRODED CHECK VALVE WITH NEW
2-2499-4B SOLENOID VALVE	PREVENTIVE MR 092657	N/A			DISASSEMBLED. REPLACED ALL O RINGS. DISC ASSEMBLY. TESTED. REASSEMBLED VALVE
2-2499-4A SOLENOID VALVE	PREVENTIVE MR 092650	N/A			DISASSEMBLED. INSPECTED. REPLACED ALL O RINGS. GASKETS. INSULATORS. REINSTALLED
2-2499-3B SOLENOID VALVE	PREVENTIVE MR 092659	N/A			REPLACED ALL O RINGS. GASKETS. INSULATORS
2-2499-3A SOLENOID VALVE	PREVENTIVE MR 092660	N/A			REPLACED ALL O RINGS. GASKET AND INSULATORS
2-2499-2B SOLENOID VALVE	PREVENTIVE MR 092661	N/A			REPLACED SOME O RINGS AND WASHER INSULATORS
2-2499-2A SOLENOID VALVE	PREVENTIVE MR 092662	N/A			PERFORMED EQ MAINTENANCE AND SURVEILLANCE ON 2499-2A
2-2499-1B SOLENOID VALVE	PREVENTIVE MR 092663	N/A			PERFORMED EQ MAINTENANCE AND SURVEILLANCE ON 2499-1B
2-2499-1A SOLENOID VALVE	PREVENTIVE MR 092664	N/A			ADJUSTED THE OPEN & CLOSED FEED SWITCH. CORRECTED THE FLUKE TO THE FLUKE SW. APPLY A FEED TO THE SOLENOID WHILE MOVING THE REEF SW. TIL IT MAKES A BREAKS

GREENWICH UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LEN OR OUTAGE NUMBER	MAINTENANCE CAUSE	REPAIR REQUIRED	CORRECTIVE ACTION
2-203-3B ELECTROMAGNETIC	PREVENTIVE MR 092665	N/A			REMOVED OPERATORS, INSPECTED, OVERHAULED AND TESTED, REINSTALLED
2-203-3D ELECTROMAGNETIC 2-203-3D	PREVENTIVE MR 092666	N/A			REMOVED OPERATOR, INSPECTED, OVERHAULED, AND TESTED OK, REINSTALLED OPERATOR USING APPLICABLE PROCEDURES, TESTED IN PLACE OK
2-203-3E ELECTROMAGNETIC	PREVENTIVE MR 092667	N/A			REMOVED, INSPECTED, TESTED, LUBED OPERATOR, REINSTALLED
2-203-3C ELECTROMAGNETIC	PREVENTIVE MR 092668	N/A			REMOVED, TESTED, INSPECTED AND OVERHAULED OPERATORS, REINSTALLED USING APPLICABLE PROCEDURES
2-203-44 MOV	PREVENTIVE MR 092670	N/A			INSTALLED NEW O RINGS ON THE CABLE ASSEMBLY, NEW MOV, NEW LIMIT SWITCH, NEW NEW CLEM SPLICE FOR SLENDRO COIL WIRES
2-203-2D MSIV	PREVENTIVE MR 092672	N/A			FOUND MSIV IN GOOD CONDITION, ALL WIRES MARKED AND LABELED, TESTED OK
2-203-2C MSIV	PREVENTIVE MR 092673	N/A			FOUND MSIV IN GOOD CONDITION, ALL LEADS LABELED AND MARKED PER PRINT, DRABBED AND RELABELED LEADS AND RAN VALVE FOR TESTING
2-203-2B MSIV	PREVENTIVE MR 092674	N/A			FOUND MSIV IN GOOD CONDITION, WIRES MARKED AND LABELED PER PRINT, DRABBED AND RELABELED WIRES PER WORK INSTRUCTIONS
203-2A MSIV	PREVENTIVE MR 092675	N/A			PERFORMED ED SURVEILLANCE ON 2'A MSIV
2-203-10 MSIV	PREVENTIVE MR 092676	N/A			PERFORMED ED SURVEILLANCE ON 1 '0' MSIV

EQUIPMENT		PRESUMER UNIT 2 SAFETY RELATED MAINTENANCE			CORRECTIVE ACTION	
		NATURE OF MAINTENANCE	LES OR OUTAGE NUMBER	CAUSE	MAINTURITION RESULT	
2-203-1C MSIV		PREVENTIVE MR 092677	N/A			PERFORMED EQ SURVEILLANCE ON I 'C' MSIV
2-203-1B MSIV		PREVENTIVE MR 092676	N/A			REPLACED MANIFOLD AS-
2-203-1A MSIV		PREVENTIVE MR 092679	N/A			DISCONNECTED MSIV, TESTED, REINSTALLED WIRING AND PERFORMED TESTING PER WORK INSTRUCTIONS PMI OR
2-29-4 480V MCC BSM - 1501 - 3B		PREVENTIVE MR 092650	N/A			PERFORMED EQ INSPECTION OF 480V MCC BREAKER FOR 1501-3B
2-28-1 480V MCC BSM - 1501-3A		PREVENTIVE MR 092657	N/A			REMOVED BREAKER FROM CURBICLE, REINSTALLED CONTACTOR CONTACTS, MESAGED BREAKER WIRING, REPLACED AUX CONTACTS
2-2499-3A SOLENOID VALVE		CORRECTIVE MR 092695	N/A			REWELDED TACKS PER WELD MAP
2-2499-3B SOLENOID VALVE		CORRECTIVE MR 092696	N/A			REWELDED TACKS PER WELD MAP
2-2499-4A SOLENOID VALVE		CORRECTIVE MR 092697	N/A			REWELDED TACKS PER WELD MAP
2-2499-4B SOLENOID VALVE		CORRECTIVE MR 092698	N/A			REWELDED TACKS PER WELD MAP
2-1201-3V SWITCHER #12-1201-3V SERIAL #13523 (RAMMING #M-11590-3		PREVENTIVE MR 092703	N/A			COMPLETED WORK PER FC II WORK PACKAGE 692703-01

EQUIPMENT	NATURE OF MAINTENANCE	ORDERED UNIT 2 SAFETY RELATED MAINTENANCE			CORRECTIVE ACTION
		LER OR OUTAGE NUMBER	CAUSE	FAILURE/TIOP RESULT	
2-3202-24 SWISSER	PREVENTIVE MR 092706	N/A			COMPLETED WORK PER FCII WORK PACKAGE 092706-01
2-3204-01 SWISSER	PREVENTIVE MR 092707	N/A			COMPLETED WORK PER FCII WORK PACKAGE 092707-01
2-2202-75 INSD COND REACTOR INLET WLV STRANS PNL	PREVENTIVE MR 092883	N/A			CHECKED PANEL FOR DIRT, TIGHTENED TERMINALS
HPCI ROOM COOLER	PREVENTIVE MR 092905	N/A			MADE LV MOTOR LEADS REINSTALLED FAN GUARD AND REPLACED FAN BELTS
TIP SHEAR VALVE PRIMERS	PREVENTIVE MR 092910	N/A			REPLACED TIP SHEAR VALVE PRIMERS PER OMP-700-3 REV. 4
2-263-284A BUS 29 FEED TO W/C 28-1	PREVENTIVE MR 093070	N/A			CLEANED, LINED BREAKER, MADE UP JUMPER CABLE TO SNAP OUT BREAKER, CLEANED CONTACTS AND CONTACTS, LUBED LINKAGE, CHANGED OUT 2 DELECTIVE WASH POTS
2-2301-48 MOV	PREVENTIVE MR 093153	N/A			INSPECTED TORQUE SWITCH FOR FIBER SPACERS, FOUND NONE
VARIOUS EXT. STM, REACTOR FEED, COND., FOGSTER, FEEDWATER HEATERS AND DRAIN, SOC PIPING	PREVENTIVE MR 093350	N/A			COMPLETED WORK PER FCII WORK PACKAGS 093350-01, 02, 03, 04, 05, 06, 07
2-2370A UNIT 2 HPCI ROOM TEMP SWITCHES	PREVENTIVE MR 093353	N/A			REPLACED ALL HPCI AFTER TEMPERATURE SWITCHES PER PACKAGE, PERFORMED 015 2-30-6
2-241-15A UNIT 2 X AREA DRI TEMP SWITCHES	CORRECTIVE MR 093354	N/A			PERFORMED STATION TRAVELER FOR 093354 WORK REQUEST

BRESDEN UNIT 2
FETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	IR OUTAGE		CORRECTIVE ACTION
		NUMBER	CAUSE	
2-900 902-5 PANEL TERM FF FUSE 1130-702A	CORRECTIVE WR 094172	N/A	-----	REPLACED BROKEN FUSE BLOCK AND TESTED MAP
2-833 REFUEL GRAPPLE	PREVENTIVE WR 094187	N/A	-----	MADE ADJUSTMENTS ON GRAPPLE AS REQUESTED BY FUEL HANDLERS
2-1301-1 MOV	PREVENTIVE WR 094195	N/A	-----	DISCONNECTED MOTOR, DISASSEMBLED, INSTALLED NEW MOTOR AND MOTOR GASKET AND COMPARTMENT COVER GASKET, INSTALLED NEW TORQUE
U-2 DRYWELL EQUIP HATCH	PREVENTIVE WR 094338	N/A	-----	REMOVED AND INSTALLED THE U-2 DRYWELL EQUIPMENT HATCH
3-702-IRM-11 IRM NOISE PROBLEMS FOR IRMS 11, 12, 13, 14, 15, 16, 17, 18	PREVENTIVE WR 094528	N/A	-----	RAN I/V CURVES ON ALL IRM DETECTORS AND TURNED DATA OVER TO GE 096477 WAS WRITTEN TO COMPLETE FURTHER TESTS RECOMMENDED BY G.E.
2-1 JJ-MISC FLANGE AND PIPING BETWEEN 1501-27A, 28A (ILRT)	PREVENTIVE WR 094574	N/A	-----	REMOVED BLIND FLANGE FROM 4" LINE, 10" FLANGE AND PIPING, INSTALLED SPOOL PIECE BETWEEN 10" AND 4" FOR ILRT & TESTING REINSTALLED FLANGE
2-0388-1"A CRD LINE 2-0388-1"A	CORRECTIVE WR 094661	N/A	-----	PREFABRICATED AND INSTALLED NEW PIPE
EAST AND WEST TORUS HATCHES	PREVENTIVE WR 094713	N/A	-----	REMOVED EAST HATCH PER TECH STAFF REPLACED HATCH WITH NEW GASKETS REINSTALLED
2-1601-MISC PRIMARY CONTAINMENT DRYWELL VENT AND PURGE VALVES	PREVENTIVE WR 094732	N/A	-----	INSTALLED T FITTING AND VALVE ON THE FOLLOWING VENT AND PURGE VALVES EMERG. ACCUMULATOR 1601 00A, 208, 21, 22, 23, 24, 56, 61, 1601 03
2-202-6B MOV	PREVENTIVE WR 094058	N/A	-----	REMOVED AND MARKED WIRING, VERIFIED PER INSTRUCTIONS

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR DDTAGE NUMBER	MALFUNCTION CAUSE	RESULT	CORRECTIVE ACTION
2-202-6A MOV	PREVENTIVE WR 094859	N/A	-----	-----	REMOVED AND MARKED WIRING, VERIFIED PER INSTRUCTIONS
2-700-APRM6 APRM CHANNEL 6	CORRECTIVE WR 094941	N/A	-----	-----	REPLACED K4 AND K16 RELAYS, REPLACED HI HI LAMP ALSO. COMPLETED DIS 700-06 PER PACKAGE.
2-29-9 MCC	CORRECTIVE WR 094954	N/A	-----	-----	REPLACED BREAKERS IN COMPARTMENTS 2D, 2E, 3D, 4B & 4C AND REMOVED REMAINING BREAKERS IN MCC 29-9
2-1600 D-2 REACTOR ASSEMBLY	PREVENTIVE WR 094958	N/A	-----	-----	INSTALLED DRYWELL COVER AND REACTOR SHIELD BLOCKS PER DMP 1600-05 5800-3 AND DAP 3-14
713-4B PREAMPLIFIER SAFETY VALVES	CORRECTIVE WR 095001	N/A	-----	-----	REPLACED PREAMP AND CHECKED OPERABILITY
2-2301	PREVENTIVE WR 095008	N/A	-----	-----	PERFORMED HPCI OVERSPEED TEST PER MMP/TRAVELER
2-2301-36 VALVE	PREVENTIVE WR 095023	N/A	-----	-----	REMOVED OLD SPRING CARTRIDGE CAP, INSTALLED ALL REQUIRED O RINGS, AND NEW COVER, INSTALLED NEW GREASE RELIEF KIT
2-263-57B REACTOR VESSEL LEVEL TRANSMITTER	CORRECTIVE WR 095113	N/A	-----	-----	INSTALLED REBUILT ROSEMOUNT TRANSMITTER, TESTED AND RECALIBRATED LOOP
2-2001-102A ILRI	PREVENTIVE WR 095116	N/A	-----	-----	REMOVED, CHECKED, REINSTALLED CHECK VALVE
2-2301-35 MOV	PREVENTIVE WR 095179	N/A	-----	-----	USING LIBERTY TEST EQUIPMENT, DIAGNOSTICALLY TESTED MOV 2-2301-35, AND ADJUSTED TORQUE SWITCH AS REQUIRED

PASSENGER UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	CAUSE	MALFUNCTION	RESULT	CORRECTIVE ACTION
2-2301-10 MOV	PREVENTIVE MR 095180	N/A				USING LIBERTY TEST EQUIPMENT, DIAGNOSTICALLY TEST MOV2-2301-10 AND ADJUSTED TORQUE SWITCH
2-2301-8 MOV	PREVENTIVE MR 095181	N/A				USING LIBERTY TEST EQUIPMENT, DIAGNOSTICALLY TEST MOV2-2301-8 ADJUSTED TORQUE SWITCH AS REQUIRED
2-2301A LS 2-2301A TORUS HI LEVEL SWITCH	PREVENTIVE MR 095188	N/A				REMOVED HEAVY RUST FROM INTERIOR OF CHAMBER, CLEANED ENTIRE ACTUATING MECHANISM, REPLACED FLANGE GASKET AND REASSEMBLED
2-2301-10 MOV	PREVENTIVE MR 095195	N/A				DISCONNECTED MOTOR LEADS, LIMITS, TORQUE SWITCH, AND OVERHHAILED, REINSTALLED
2-203-3B D-2 B ELECTROMATIC	PREVENTIVE MR 095206	N/A				INSTALLED AND REMOVED GAG AS REQUESTED
2-203-3C 2-C ELECTROMATIC	PREVENTIVE MR 095207	N/A				INSTALLED GAG
2-203-3D 2D ELECTROMATIC	PREVENTIVE MR 095208	N/A				INSTALLED AND REMOVED GAG
2-203-3E 2-E ELECTROMATIC	PREVENTIVE MR 095209	N/A				INSTALLED AND REMOVED GAG
ISI INSPECTIONS AND REPAIRS	PREVENTIVE MR 095222	N/A				REPLACED CUTTER PINS, ADJUSTED TO MAINTAIN FULL NUT ENGAGEMENT, REMOVAL OF RUST
2-220-62A RAND PW CHECK	PREVENTIVE MR 095295	N/A				INSTALLED NEW SEAT DISC ASSEMBLY

		DRESDEN UNIT 2 SAFETY RELATED MAINTENANCE				
EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	CAUSE	MAINTENANCE RESULT	CORRECTIVE ACTION	
2-1502-4 2A-LPCI PUMP METER	PREVENTIVE MR 095326	N/A			REPLACED UPPER BEARINGS	
2-2301-8 M0U	PREVENTIVE MR 095351	N/A			REMOVED LIMITS AND TORQUE SWITCH TESTED, REINSTALLED, RESEAL LIMIT GEARS	
2-203-2C MAIN STEAM ISOLATION VALVE	PREVENTIVE MR 095359	N/A			DISASSEMBLED VALVE, INSPECTED, REPAIRED REASSEMBLED	
2-203-1A MAIN STEAM ISOLATION VALVE	PREVENTIVE MR 095360	N/A			DISASSEMBLED, INSPECTED, CLEARED, REASSEMBLED	
2-203-1D MAIN STEAM ISOLATION VALVE	PREVENTIVE MR 095361	N/A			DISASSEMBLED PILOT VALVE ASSEMBLY, REPLACED COMPONENTS AND O RINGS, REPLACED PILOT ASSEMBLY ON MSIV AIR OPERATOR, REASSEMBLED	
3-1603 02 X-AREA CONTAINMENT	PREVENTIVE MR 095378	N/A			INSTALLED PLATE AND TIGHTENED BOLTS, PACKED ALL HOLES, SEALED, INSTALLED THE CIRCLE	
2-9208A GRYWELL AIR SAMPLE VALVE 9208A	CORRECTIVE MR 095413	N/A			DISASSEMBLED, CHECKED, REASSEMBLED	
CIS 2-1140-38	CORRECTIVE MR 095462	N/A			REMOVED OLD METER RELAY SETPOINT UNIT AND INSTALLED NEW ONE	
2-2301-65 AD 2-2301-65 HPCT TURBINE SU ABOVE SEAT DRAIN	PREVENTIVE MR 095476	N/A			REPACKED, SET STROKE ON 2-2301-65 PER MIP AND TRAVELER	
2-1601-63 VERSA VALVE ON 2-1601-63	PREVENTIVE MR 095496	N/A			REPLACED VERSA VALVE	

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LFR OR OUTAGE NUMBER	HALFUNCTION CAUSE	RESULT	CORRECTIVE ACTION
2-4799-281A TARGET ROCK AIR SUPPLY CHECK VALVE	PREVENTIVE WR D96031	N/A	-----	-----	REMOVED CHECK VALVE, CLEANED THREADED SURFACES USING PST ON THREADS, REPLACED WITH NEW CHECK VALVE
LINE 2-0207-2" BOTTOM HEAD DRAIN LINE	CORRECTIVE WR D96039	N/A	-----	-----	OPENED UNION, INSTALLED TEMP FITTINGS, FLUSHED OUT LINE, VERIFIED FLOW, REMOVED TEMP FITTINGS, AND RESTORED UNION
D2-517-39K-89 BLOCKWALL	PREVENTIVE WR D96040	N/A	-----	-----	REMOVED 5 LAYERS OF CINDER BLOCK OFF BLOCK WALL
M-3212-06 HPCI SUPPORT	PREVENTIVE WR D96067	N/A	-----	-----	REMOVED RUST WITH AIR MOTOR AND WIRE BRUSH FROM BASE PLATE OF SUPPORT
2-2419A 02 DRYWELL HIGH RAD MONITOR POWER SUPPLY	CORRECTIVE WR D96069	N/A	-----	-----	REPLACED RESISTOR AND COMPLETED CALIBRATION PER DIS 1600-16 REV. 6
2-2301 U-2 HPCI	PREVENTIVE WR D96071	N/A	-----	-----	INSTALLED JUMPERS AND PERFORMED OIL FLUSH ON HPCI OIL SYSTEM
2-2301 U-2 HPCI	PREVENTIVE WR D96072	N/A	-----	-----	INSPECTED HPCI OIL SYSTEM AND HPCI MAIN OIL PUMP WATER BEARINGS, FOUND BEARINGS GOOD
SRM 21 MONITOR	PREVENTIVE WR D96073	N/A	-----	-----	CLEARED TEMP ALT II-48-90 AS PER SPC 90-005
2-1501-3A	PREVENTIVE WR D96125	N/A	-----	-----	INSTALLED NEW ANTI ROTATION PIN IN VALVE STEM
M-11500-54 CORE SPRAY SUPPORT	PREVENTIVE WR D96158	N/A	-----	-----	REMOVED STRUT AND CLAMP, DRILLED HOLE IN STRUT, REMOVED CLAMP AND TRIMMED AS REQUIRED, REPLACED ALL COMPONENTS AND VERIFIED ACCEPTABLE

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION CAUSE	RESULT	CORRECTIVE ACTION
CRD TRANSFER PIT HATCH	PREVENTIVE WR 095569	N/A	-----	-----	OPENED HATCH AND INSTALLED BRIDGE PLATE, REMOVED BRIDGE PLATE AND REPLACED HATCHWAY, REPLACED GASKETS, REINSTALLED HATCH
2-2301-35 MOV	PREVENTIVE WR 095574	N/A	-----	-----	DISCONNECTED, DISASSEMBLED, OVERHAULED, INSTALLED NEW O RINGS, ROLL PINS, LUGS, GASKETS, AND GREASE, RECONNECTED AND REASSEMBLED, BRIDGED, MEGGARED AND SIGN
APRM #2 PS5	CORRECTIVE WR 095600	N/A	-----	-----	REPLACED POWER SUPPLY AND COMPLETED APPLICABLE SECTIONS OF DIS 700-9 REV.1
APRM #2 HIGH VOLTAGE PS1	CORRECTIVE WR 095605	N/A	-----	-----	REPLACED HVPS AND TESTED
1001-1A U-2 1001-1A VALVE	PREVENTIVE WR 095667	N/A	-----	-----	DISCONNECTED OLD THERMOCOUPLE AND REMOUNTED THE NEW
2-1301-3 MOV	PREVENTIVE WR 095804	N/A	-----	-----	DIAGNOSTICALLY TEST MOV2-1301-3 USING THE VOTES TEST EQUIPMENT AND ADJUSTED TORQUE SWITCH AS REQUIRED
2-1301-1 MOV	PREVENTIVE WR 095852	N/A	-----	-----	DIAGNOSTICALLY TESTED MOV2-1301-1 USING THE VOTES TEST EQUIPMENT
2305-M-235 HPCI SUPPORT	PREVENTIVE WR 095948	N/A	-----	-----	LOOSENED LOCKNUT ON STRUT AND TURNED CLOCKWISE AND RETIGHTEN AFTER A DIMENSION OF 5/16" HAS ATTAINED
2-3204-24 SNUBBER 2-3204-24	PREVENTIVE WR 095969	N/A	-----	-----	DRILLED A 1/4" HOLE IN SNUBBER AS PER DRAWING, REMOVED CHIPS AND BURRS FROM HOLE AND CLEANED AREA
2-320A-01 SNUBBER 2-320A-01	PREVENTIVE WR 095970	N/A	-----	-----	DRILLED 1/4" SIGHT HOLE, REPLACED LOCK NUTS ON SNUBBER PIPE, MOUNT SUPPORT, ADJUSTED SNUBBER PER STATION TRAVELER

EQUIPMENT	NATURE OF MAINTENANCE	LEAK OR OUTAGE NUMBER	UNDESIRABLE UNIT 2		CORRECTIVE ACTION
			SAFETY RELATED	MAINTENANCE	
			CAUSE	RESULT	
2-2001-5 DRYWELL EQUIPMENT DRAIN ISO VALVE	PREVENTIVE MR 096191	N/A			REPACKED VALVE USING 8 RINGS OF PACKING
2-2019A-60 SMUGGER 2-2019A-60 DMG M-564E SH 11* SERIAL NO. 7700	PREVENTIVE MR 096249	N/A			REMOVED SMUGGER, CLEANED, INSPECTED SMUGGER SPHERICAL BEARINGS, CHECKED REINSTALLED SMUGGER
AD-2-1601-60 PRIMARY CONTAINMENT VENT AND PURGE VALVES	PREVENTIVE MR 096261	N/A			INSTALLED NEW CHECK VALVES WITH QC VERIFICATION ON CLEANLINESS
90-2-220-45 SOLVENT RECIRC LOOP SAMPLE VALVE OUTBOARD	PREVENTIVE MR 096293	N/A			REPLACED TAPED SPLICES, WITH RAD CHEM SPLICES
U2 1501-3B	PREVENTIVE MR 096298	N/A			INSTALLED NEW BOLTING
ISO WELD 8-145 B-2 RUCU LN 1201	PREVENTIVE MR 096297	N/A			COMPLETED WORK PER FCII WORK PACKAGE 096297-01
2-2301-69 U2 HPCI RUPTURE DIAPHRAM	CORRECTIVE MR 096362	N/A			REMOVED NIPPED ASSEMBLY AND FOUND THREADS ACCEPTABLE, REINSTALLED USING APPROVED THREAD SEALANT, TIGHTENED ALL FITTINGS
M-569 SHT 16 CONSTANT SPRING PIPE SUPPORT M-569 SHT 16* HANGER MARK NO 82-3012	PREVENTIVE MR 096366	N/A			REMOVED NOT FROM SPRING CAN AND SET GRADE PER INSTRUCTIONS
HM-2-2252-81B H2/O2 ANALYSER PANEL	PREVENTIVE MR 096405	N/A			REPLACED THE UNQUALIFIED SPLICE IN THE CONDUIT FITTING
RE-2-2418A ELEMENT DRYWELL HIGH RANGE MONITOR RADIATION	PREVENTIVE MR 096406	N/A			INSTALLED CONNECTORS AT SPLICE PER WORK INSTRUCTIONS

EQUIPMENT		PRESBYN UNIT 2 SAFETY RELATED MAINTENANCE			CORRECTIVE ACTION
MAINTENANCE	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	CAUSE	MALFUNCTION RESULT	
2-0203-20 20 MSIV	PREVENTIVE MR 096414	N/A			VERIFIED MSIV AIR SUPPLY WAS OK. DISCONNECT, CLEAN, INSPECT, REASSEMBLE
2-220-58-8 FEEDWATER CHECK VALVE	PREVENTIVE MR 096424	N/A			DISASSEMBLED, INSPECTED, CLEANED, REASSEMBLED
SRM/IRM ELECTRONIC NOISE	CORRECTIVE MR 096477	N/A			COMPLETED ELECTRONIC NOISE ELEVATION WITH GE SERVICE REP
2-2305-M-228 SMAY BRACE 2305-M-228	CORRECTIVE MR 096496	N/A			REPLACED OLD BROKEN ROUND STOCK WITH NEW, ADJUSTED COUPLING
2-252-28AC 2F DRYWELL CLR BRKR	CORRECTIVE MR 096504	N/A			CENTERED PIN AND WIPED CLEAN SLIDES
2-252-28AD 2G DRYWELL CLR BRKR	CORRECTIVE MR 096505	N/A			CENTERED PIN AND WIPED CLEAN SLIDES
AD 2-2599-4B	PREVENTIVE MR 096506	N/A			REPLACED SOLENOID AS PER STATION TRAVELER, BENCH TESTED FRIG TO INSTALLATION AND PERFORMED PMO AFTER SOLENOID WAS INSTALLED
AD 2-2500-4A	CORRECTIVE MR 096507	N/A			REMOVED OLD SOLENOID AND REPLACED WITH NEW
2-1100 STANDBY LIQUID CONTROL	CORRECTIVE MR 096525	N/A			INSTALLED 2 SUPPORTS AS DIRECTED IN MINOR DESIGN CHANGE PACKAGE, FOR SELC LINE NO. 2-1102-1 1/2"-A
2-2301-4 MOV	PREVENTIVE MR 096632	N/A			PERFORMED A DIAGNOSTIC TEST USING LIBERTY TEST EQUIPMENT ON MOV-2-2301-4

ENGINEER UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	CAUSE	MALFUNCTION RESULT	CORRECTIVE ACTION
24/48 BATTERY CHARGER	CORRECTIVE MR 096734	N/A			CHECKED VOLTAGE ACROSS BATTERY BANK, MADE NECESSARY ADJUSTMENTS, PUT CHARGER IN FLIGHT MODE.
M-11510-132 DOUBLE VARIABLE SPRING PIPE SUPPORT	PREVENTIVE MR 096739	N/A			ADJUSTED SPRING CAN TO PROPER COLD SETTING
3-700-APRMC2	CORRECTIVE MR 096784	N/A			REPLACED RELAY K2 AND K5, PERFORMED APPLICABLE SECTION OF DIS700-6
HM-2-2482A HC/02 ANALYSER (HEAT TRACE)	PREVENTIVE MR 096790	N/A			REMOVED OLD UNQUALIFIED SPLICES AND INSTALLED QUALIFIED EG SPLICES PER ATTACHED MMP
UM-2-2282-818 HC/02 ANALYSER (HEAT TRACE)	PREVENTIVE MR 096791	N/A			REMOVED THE FOUR UNQUALIFIED SPLICES AND INSTALLED FOUR EG SPLICES PER MMP TRAVELER
2-9207-A FCU	CORRECTIVE MR 096796	N/A			INSTALLED NEW REGULATOR AND ASSURED ALL FITTINGS WERE TIGHT
MO-2-0202-68 RECIRC RING HEADER VALVE	CORRECTIVE MR 096802	N/A			ADJUSTED PACKING PER CRITERIA IN DMP 040-07 PER APPLICATION SECTION
2-0305-127 127 VALVE ON HCU F-1	CORRECTIVE MR 096805	N/A			ADJUSTED VALVE PACKING THAT WAS LEAKING
AO2-0203-1C MSIV	CORRECTIVE MR 096804	N/A			TORQUED JACKING NUTS TO 45 FT. LBS., THEN CYCLED VALVE PERFORMED THIS SEQUENCE THREE TIMES
AO 2-1601-63 DRYWELL VENT AND FURGE VALVE	CORRECTIVE MR 096813	N/A			DISASSEMBLED, INSTALLED NEW END SEAL WITH WAVE SPRING AND COM 55 GREASE INSPECTED, VERIFIED, ASSEMBLED

		RESIDUAL UNIT 2 SAFETY RELATED MAINTENANCE				
EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	CAUSE MALFUNCTION	RESULT	CORRECTIVE ACTION	
2-263-2-31V INSTRUMENT LINE CHECK VALVE	PREVENTIVE MR 096817	N/A			REMOVED FLOW CHECK, CHECKED, REINSTALLED	
2-263-2-31-U FLOW CHECK VALVE	PREVENTIVE MR 096856	N/A			REMOVED THE FLOW CHECK, CHECKED, REINSTALLED	
M-3212-05 HPCI SUPPORT	PREVENTIVE MR 096882	N/A			REPAIRED CORRODED SUPPORT M-3212-05 ON HPCI TURBINE EXHAUST LINE 2-2306-24	
U2 125V A.L.T. BATTERY CHARGER	CORRECTIVE MR 097001	N/A			REPLACED TIMER, SET FLOW AND EQUALIZE WITH FLOW	
2-202-58	CORRECTIVE MR 097022	N/A			INSTALLED MISSING YOKE BOLT TOPPED LIMITORQUE MOUNTING BOLTS	
2A FUEL ZONE LEVEL	CORRECTIVE MR 097031	N/A			REPLACED METER WITH NEW	
2-2389C HPCI TURBINE PER MISSING REACTOR PRESSURE	PREVENTIVE MR 097050	N/A			CHECKED CALIBRATION OF TRANS PER OIS 2300-11	
M02-1001-1A BREAKER	CORRECTIVE MR 097053	N/A			REPLACED THE SPLICE OF THE BLACK WIRE OF CABLE 27495	
2-1601-23	CORRECTIVE MR 097062	N/A			ADJUSTED LIMIT SWITCH AND HAD OPERATIONS CYCLE 3 TIMES	
2-1601-20A	PREVENTIVE MR 097067	N/A			USING SLUGGER DREW UP ON VALVE BOLTING IN A DIAMETRICALLY OPPOSING PATTERNMENT AROUND FLANGE ABOUT 8 TIMES, USED SMOOP ON FLANGE TO STOP LEAKING VALVE	

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	DRESSER UNIT 2 SAFETY RELATED MAINTENANCE		CORRECTIVE ACTION
			CAUSE	RESULT	
TS2-2371B HPCI AREA TEMP SWITCH	PREVENTIVE MR 097096	N/A			ONE PLATES FABRICATED AND SWITCH MOUNTED. TORQUED AS PER WORK INSTRUCTION SWITCH TESTED
1500 FLANGE BETWEEN 2-1501-278, 298	PREVENTIVE MR 097096	N/A			REMOVED TEST FLANGE, CLEANED GASKET, INSPECTED AND LIBERATED BOLTING, INSTALLED FLANGE WITH NEW FLEXITALIC GASKET
2-4699-315 U2 D/S AIR REGULATOR	CORRECTIVE MR 097108	N/A			REMOVED OLD REGULATOR, APPLIED SEALANT AND NEW REGULATOR WITH DC PRESENT TO WITNESS CLEARENESS, REINSTALLED REGULATOR AT UNIONS
203-3C EMV PRESSURE CONTROLLER	CORRECTIVE MR 097110	N/A			REPLACED EQUIPMENT TUBE, CALIBRATED SETPOINTS
2-0220-46	CORRECTIVE MR 097112	N/A			ADJUSTED LIMIT SWITCH FOR PROPER OPERATION, HAD OPS CYCLE 3 TIMES WORKED PROPERLY
2-5641-66 D2 TURBINE CONTROL VALVE PRESS SWITCHES	PREVENTIVE MR 097114	N/A			CHECKED CALIBRATION PD SWITCHES, ALL SWITCHES TRIPPED BELOW SETPOINT, CALIBRATED TO WITHIN TOLERANCE
AM-2-2301-64	CORRECTIVE MR 097178	N/A			REMOVED THE BAD AOV SOLENOID 2-2301-64 INSTALLED A NEW ONE
2-2301-28 HPCI VALVE	CORRECTIVE MR 097192	N/A			ADJUSTED 1/2" LIMIT SWITCH AND TIGHTENED UP THE LIMIT BRACKET
2-305-130-10-11 END 10-11	CORRECTIVE MR 097196	N/A			REPLACED PRESSURE SWITCH WITH NEW AND CALIBRATED PER DIS 300-2 REV. 3
ACCU 60-35 A9	CORRECTIVE MR 097197	N/A			REPACKED VALVE PER BMP 305-1 REV. 0 VERIFIED NO LEAKAGE

DRESDEN UNIT 2
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LEAK OR OUTAGE		MALFUNCTION CAUSE	RESULT	CORRECTIVE ACTION
		NUMBER				
MD2-2301-35 HPCI	CORRECTIVE WR D97199	N/A				MOTOR LEAD HAD FALLEN INTO TORQUE SWITCH NOT ALLOWING CLOSE CONTACTS TO CLOSE, RE TRAINED WIRES PROPERLY
2-2300-MISC U-2 HPCI OIL DRAIN	CORRECTIVE WR D97203	N/A				FOUND SMALL LEAKAGE ON #2 BEARING AREA, REPLACED GASKET
2-250-1A SRMS/IRMS SPIKING	PREVENTIVE WR D97206	N/A				CONNECTED RECORDER TO MONITOR IRM AND OBSERVED SPIKES ON BOTH CHANNELS
HPCI FLOW SIGNAL CONVERTER	CORRECTIVE WR D97209	N/A				REPLACED HPCI ISOLATION PSI TRANSFORMER
2-2418B DRYWELL HI RAD DETECTOR	CORRECTIVE WR D97279	N/A				REPLACED DETECTOR WITH NEW DEVIATION REPORT WRITTEN
A02-203-2A MSIV	CORRECTIVE WR D97283	N/A				REPLACED THE AUX RELAY 203-2AR2 IN PANEL 902-62 IN THE D2 BATTERY ROOM
2-2301-35	PREVENTIVE WR D97315	N/A				REMOVED SPRING PACK, INSPECTED, REPLACED WITH NEW SPRING PACK, INSTALLED GREASE RELIEF
A02-203B 2B MSIV	CORRECTIVE WR D97334	N/A				REPLACED 3 WAY VALVE WITH 4 WAY VALVE
2-2301-35 HPCI 2301-35 VALVE	CORRECTIVE WR D97370	N/A				DISASSEMBLED, LAPPED WEDGE PER MMP AND TRAVELER, REASSEMBLED VALVE
2-305-111-06-27 ACCUM 06-27-B-7	CORRECTIVE WR D97390	N/A				DISASSEMBLED VALVE, FOUND BONNET GASKET TO BE WORN OUT, REPLACED ALL O RINGS, PACKING AND BONNET GASKET

		DRESDEN UNIT 2 SAFETY RELATED MAINTENANCE				
EQUIPMENT	NATURE OF MAINTENANCE	LEV OR OUTAGE NUMBER	CAUSE	RESULT	CORRECTIVE ACTION	
2-203 ID MSIV	CORRECTIVE MR 097472	N/A			REPLACED LIGHT SOCKET	
2-203-2C	CORRECTIVE MR 097489	N/A			LOOSENED MOUNTING BOLTS AND ACTION BOX MOUNTING PLATE, SLID DOWN 9 PLATE GAGE SO ROLLER ON LIMIT SWITCH FULL ROLLER CONTACT WITH ACTIVATING .	
RM 1705-1A8 B REFUEL POOL RAO MONITOR	CORRECTIVE MR 097524	N/A			INSTALLED NEW SENSOR CONVERTER SI 503H06 AND CALIBRATED PER DIS 1700-15 SOLVED PROBLEM	
2-3999-253 DIESEL GEN COOLING WATER TO EMERGENCY A/C CHECK VALVE	PREVENTIVE MR 097541	N/A			DISASSEMBLED, INSPECTED, REPLACED CHECK VALVES FOLLOWING ALL STEPS IN NMP AND TRAVELLER	

		DRESSEN UNIT 3 SAFETY RELATED MAINTENANCE				
EQUIPMENT	NATURE OF MAINTENANCE	LE. OR OUTAGE NUMBER	CAUSE	MALFUNCTION RESULT	CORRECTIVE ACTION	
3-263-2-178 EPN	CORRECTIVE MR 090249	N/A			REMOVED FLOW CHECK VALVE, CLEANED, INSPECTED, REINSTALLED VALVE	
15-700 IRM 15	PREVENTIVE MR 093868	N/A			REPAIRED AND REPLACED CONNECTOR FOR IRM 15	
3-1401-A 2A CORE SPRAY MOTOR	PREVENTIVE MR 093996	N/A			REMOVED WORN BEARINGS AND INSTALLED NEW	
3-1185 903-S G-6 SBLC TANK TEMP HI/LO ALARM	PREVENTIVE MR 092631	N/A			REPLACED THERMOSTAT AND CHECKED AMP CHECK	
50-3-2599-2A	CORRECTIVE MR 095730	N/A			INSTALLED NEW SOLENOID, INSTALLED LUGS AND BUTT SPLICES	
CRD WITHDRAWAL TIMER	CORRECTIVE MR 092157	N/A			ADJUSTED 3P CONTACT TIMER FOR A LONGER MAKEUP TIME, ADJUSTED 1 FULL TURN, NSD CYCLED AND FOUND ADJUSTMENT GOOD NO FURTHER ACTION REQUIRED	
RBM CH 7	CORRECTIVE MR 096404	N/A			REPLACED OLD RELAY WITH NEW, ENSURED SLIP ON CONNECTORS WERE IN PLACE	
3-24528 3B H. 02 REAGENT SOLENOID VALVE	CORRECTIVE MR 096524	N/A			REMOVED OLD SOLENOID, INSTALLED NEW SOLENOID AND NEW LUGS PER DEP 2109-06	
ADJUST APRM/RBM SETTINGS PER OGP 3-3	PREVENTIVE MR 097047	N/A			READJUSTED APRM & RBM SETTINGS FOR SINGLE LOOP OPERATION TIL FURTHER NOTICE READJUSTED APRM & RBM SETTINGS FOR DOUBLE LOOP OPER. - NORMAL AS OF 1/15/91	
3-202-4B 3B RECIRC PUMP SUCTION VALVE	CORRECTIVE MR 097052	N/A			INSTALLED NEW TORQUE SWITCH PER DEP 0040-29	

EQUIPMENT	NATURE OF MAINTENANCE	LEN OR DUTAGE NUMBER	DRESHER UNIT 3 SAFETY RELATED MAINTENANCE		CORRECTIVE ACTION
			CAUSE	RESULT	
3-5441-44 D3 TURBINE CONTROL VALVE PRESSURE SWITCHES	PREVENTIVE MR 097115	N/A			TESTED PER SR-91-1-4 AND CALIBRATING PEN DATA CARDS
RV 3-1402-29A CORE SPRAY 'A' PUMP DISCHARGE RELIEF VALVE RV 3-1402-29A	PREVENTIVE MR 097129	N/A			INSTALLED NEW GAG CAP WITH SCREW TYPE HANDLE, INSTALLED STANDARD CAP AND VERIFIED TIGHTNESS
RV 3-1402-25B CORE SPRAY 'B' PUMP DISCHARGE RELIEF VALVE RV 3-1402-25B	PREVENTIVE MR 097130	N/A			INSTALLED NEW GAG CAP WITH SCREW TYPE HANDLE, INSTALLED STANDARD CAP AND VERIFIED TIGHTNESS
D/W INTERLOCK	PREVENTIVE MR 097172	N/A			INSTALLED NEW GASKETS, TORQUED TO 130 FT LBS., TECH STAFF PERFORMED LEAK - PASSED
3-250-15, 16, 17, 18 MSL HIGH FLOW SWITCH	PREVENTIVE MR 097291	N/A			PERFORMED DIS 250-1, PERFORMED ON B CHANNEL ONLY, NO PROBLEMS FOUND AND NO NOISE RELAYS FOUND
3-3999-252 SERVICE WATER TO A/C CHECK VALVE	PREVENTIVE MR 097540	N/A			REPLACED VALVE FOLLOWING APPLICABLE STEP IN MMP AND TRAVELLER
REM CHANNEL 7	CORRECTIVE MR 097542	N/A			REM #7 WAS FOUND OUT OF CALIBRATION MONITOR WAS RECALIBRATED PER DIS 700-8 CORRECTED PROBLEM
3-755-CH22 SRM 22	CORRECTIVE MR 097709	N/A			CLEANED CONNECTORS AT SRM 22 CHASIS AND FOUND PREAMP, VERIFIED CONNECTIONS WERE TIGHT
3-702-14 IRM 14	PREVENTIVE MR 097730	N/A			CLEANED ALL CONNECTORS, REPLACED CONNECTOR ON DETECTOR, TESTED
302-82M MST SCRAM INST., VALVE MDY DRAINED	PREVENTIVE MR 097768	N/A			CHECKED CALIBRATION OF 302-82M LEVEL SWITCH AND FOUND NO PROBLEMS

DRESDEN UNIT 3
SAFETY RELATED MAINTENANCE

EQUIPMENT	NATURE OF MAINTENANCE	LED OR OUTAGE NUMBER	CAUSE	MALFUNCTION RESULT	CORRECTIVE ACTION
3A RECIRC MG-FIELD BREAKER 3	CORRECTIVE MR 097775	N/A	-----	-----	REPLACED RELAY AND SECONDARY DISCONNECT "A-2"
3-702-IRM-14 03 IRM 14	CORRECTIVE MR 097924	N/A	-----	-----	REPLACED IRM
REACTOR PROTECTION SYSTEM	PREVENTIVE MR 097992	N/A	-----	-----	COMPLETED DIS500-9 REV. 11 PER WORK INSTRUCTIONS
3-700-22 SRM 22	CORRECTIVE MR 098045	N/A	-----	-----	CLEARED CONNECTORS OF THE PREAMP AND THE SRM UNIT; INDICATION IS NOW READING CORRECTLY.

EQUIPMENT	NATURE OF MAINTENANCE	DRESDEN UNIT 2/3 SAFETY RELATED MAINTENANCE		CORRECTIVE ACTION
		LER OR OUTAGE NUMBER	MALFUNCTION CAUSE RESULT	
2/3-9400-101 UNIT 2/3 AIR FILTRATION UNITS	PREVENTIVE WR D96247	N/A		
2/3-4641-21 2/3 A D/B STARTING AIR COMPRESSOR	CORRECTIVE WR D96359	N/A		OPENED/CLOSED DOORS FOR INSPECTION BY TECH STAFF DEPT. + REINSTALLED LOCKWIRE TO AS FOUND CONDITION
2/3-4199-199A 2/3 CRIB HOUSE UPPER LEVEL NEST	CORRECTIVE WR D97223	N/A		PERFORMED DIS 6600-1 AND CALIBRATED SWITCH
2/3-8350-2/3 2/3 250 VDC BATT CHARGER	CORRECTIVE WR D97490	N/A		REPAIRED VARIOUS FIRE LINES DAMAGED DUE TO FREEZING
CR1-120 2/3 D.G. AUX CONTACT PANEL	CORRECTIVE WR D97833	N/A		REPLACED CURRENT SENSING AND AMPLIFIER BOARDS. READJUSTED FLOAT AND EQUALIZE VOLTAGES. CHARGER NOW OPERATES PROPERLY
				REPLACED RELAYS AND MATCHED UP WITH EXISTING. INSPECTED PANEL AND CLEANED.

4.4 FAILED FUEL ELEMENT INDICATIONS

4.4.1 Unit 2

Dresden Unit 2 fuel performance during January, 1991 continued to show no indications of leaking fuel. This is based on the sum of the activities of the six noble gases as measured at the recombiner. Based on the reported data, Unit 2 had excellent fuel performance.

4.4.2 Unit 3

Dresden Unit 3 fuel performance during January, 1991 continued to show no indications of leaking fuel. This is based on the sum of the activities of the six noble gases as measured at the recombiner. Based on the reported data, Unit 3 had excellent fuel performance.

5.0 PLANT OR PROCEDURE CHANGES, TESTS, EXPERIMENTS, AND SAFETY RELATED
MAINTENANCE

5.1 Amendments to Facility License or Technical Specifications.

No new amendments to facility license or Technical Specifications were approved for use during January, 1991.

5.2 Changes to Procedures Which are Described in the FSAR (Units 2 and 3).

Table 5.2.1, attached, summarizes the revisions to procedures described in the FSAR which were approved during the January, 1991 reporting period.

TABLE 5.2.1

CHANGES TO PROCEDURES WHICH ARE DESCRIBED IN THE FSAR (UNITS 2 AND 3) FOR JANUARY, 1991

PROCEDURE TYPE	PROCEDURE NO.	PROCEDURE TITLE/DESCRIPTION	SUMMARY OF CHANGES
Dresden General Procedures	DGP 01-03	Unit 2(3) Hot Standby to Power Operation	1
	DGP 03-04	Control Rod Movements - Control Rod Sequences	3
Dresden Technical Surveillance Procedures	DTS 300-02	Control Rod Drive Scram Timing and Scram Valve Timing Test	1
	DTS 1600-04	Local Leak Rate Teting for Electrical Penetrations	3

- NOTES: 1. Administrative change; intent of procedure unchanged.
 2. Changed for clarification, intent of procedure unchanged.
 3. Changed to incorporate requirements for new equipment; intent of procedure unchanged
 4. Changed to implement improved testing/calibration methodology; intent of procedure unchanged.

5.3 Significant tests and experiments not described in the FSAR (Units 2 & 3)

Significant special procedures involving tests not described in the FSAR which were approved during the month of January, 1991 are listed below:

SP 90-12-170 Determination of Feedwater Insoluble Iron Concentration

The purpose of this procedure is for the determination of insoluble iron concentrations in the feedwater during the startup flushing using the Babcock and Wilcox color comparison method.

SP 90-12-171 Unit 2 Turbine Rotor Modification Test

The purpose of this procedure is to outline and document the ASEA BROWN BOVERI testing performed on the new low pressure "A" turbine rotor.

SP 91-01-01 Recirculation Pump Operation for Heating Reactor water

The purpose of this procedure is to specify the operation of the Reactor Recirculation Pumps to control reactor vessel temperature. The pumps will be run at greater than 28% pump speed with less than 20% feedwater flow.

SP 91-01-02 Control Rod Drive Stall Flow Verification Test

The purpose of this procedure is to determine if high stall flows are caused by improper closure of a CRD directional control valve.

SP 91-01-04 Generator Load Reject Instrument Response Time

The purpose of this procedure is to measure the instrument response time of the Main Generator Load Reject scram circuitry as a function of pressure switch setpoint. The time measured is from the initiation of Control Valve (CV) closure as indicated by CV position LVDT, to the trip of the Barksdale pressure switches which input the Reactor Protection System [PS 2(3)-5641-66, 67, 68, & 69]. This information will be used to ensure that the Fast Acting Solenoid modification M12-2(3)-81-25 has not significantly affected the transient analysis and that the response time is not a function of pressure switch setting.

SP 91-01-05 Vibration Analysis of the 2A Reactor Recirculation Pump at Elevated Recirculation Pump Speeds

The purpose of this procedure is to operate the 2A and 2B Recirculation Pumps at speeds greater than 28% rated speed with less than 20% feedwater flow to allow for acquisition and analysis of vibration data from the 2A Recirc. pump.

5.3 Continued

- SP 91-01-06 125 Volt DC Stationary Battery Service Test
- The purpose of this test is to verify that the battery is capable of meeting the design requirements. The battery is discharged at various rates in accordance with the load profile.
- SP 91-01-07 Uncoupled Run of Reactor Recirculation Pump Motor 2A
- The purpose of this procedure is to define the steps required to run the Unit 2 "A" Reactor Recirculation Pump Motor uncoupled from the pump so that vibration data can be obtained both before and after Recirculation Pump shaft replacement.
- SP 91-01-08 Uncoupled Run of Reactor Recirculation Pump Motor 3B
- The purpose of this procedure is to define the steps required to run the Unit 3 "B" Reactor Recirculation Pump Motor uncoupled from the pump so that vibration data can be obtained.
- SP 91-01-09 Vibration Analysis of the 3B Reactor Recirculation Pump at Elevated Recirculation Pump Speeds
- The purpose of this procedure is to operate the 3A and 3B Recirculation Pumps at speeds greater than 28% rated speed with less than 20% feedwater flow to allow for acquisition and analysis of vibration data from the 3B Recirc. pump.
- SP 91-01-10 Modification Test for M12-2-88-063
- This procedure provides instructions to test a Motor Operated Valve (MOV) in Modification Number M12-2-88-063, 2 to 4 Rotor MOV Limit Switch Replacement.
- SP 91-01-11 D2 Drywell Penetration X-113 Helium Leak Test
- The purpose of this procedure is to determine which ply of bellows penetration X113 is leaking. The information gathered from this procedure will be used in the calculation of the LLRT test results.

5.3 Continued

SP 91-01-12 Standby Gas Treatment Train B Logic Modification Test

The purpose of this special procedure is to verify the proper function of the Standby Gas Treatment System and its interlocks with the Reactor Building Ventilation system upon the completion of Modification 12-0-90-025.

SP 91-01-14 Chemical Hygiene Plan

The purpose of this procedure is to provide a comprehensive approach for the protection of Commonwealth Edison Nuclear Generating Station laboratory personnel. The policies of Commonwealth Edison Company for personnel assigned to Dresden Nuclear Power Station chemistry laboratories are delineated by this procedure. The procedure provides guidelines for chemical procurement, maintenance, medical surveillance, accident response, and other vital health and safety issues. This procedure implements applicable regulatory requirements, in particular 29 CFR 1910.1450. This procedure is applicable to personnel assigned to Dresden Nuclear Power Station chemistry laboratories (i.e. chemistry technicians and chemistry management personnel).

SP 91-01-15 Modification Test for M12-2-91-001 2A Reactor Recirculation Pump Shaft Replacement

The purpose of this procedure is to provide instructions to operate the 2A and 2B Recirculation pumps at speeds greater than 28% rated speed and with less than 20% feedwater to allow for the acquisition and analysis of baseline data for Drive Flow, Pump Speed, and A & B Total Jet Pump Loop Flow following M12-2-91-001, 2A Reactor Recirculation Pump Shaft Replacement.

SP 91-01-17 Drywell Personnel Interlock Functional Mod Test for Minor Design Change D96368

The purpose of this test is to verify the proper function of the Drywell Personnel Interlock after the installation of new pressure equalizing valves for Minor Design Change D96368.

5.4 Safety Related Maintenance (Unit 2 and 3)

Safety related maintenance activities for January, 1991 are summarized in the attached tables.

5.5 Completed Safety Related Modifications (Units 2 and 3)

Only modifications which have been completely closed during January, 1991 are listed; modifications which are authorized for use but not completely closed will be reported based on the date of their final closure. For ease of reference, the changes have been identified by their design change control modification number.

<u>Modification No.</u>	<u>Description</u>
M12-1-77-35	This modification was performed to install safety related interfaces with existing primary system piping to perform the chemical cleaning on Unit 1. All piping, valves, and fittings conform to the applicable requirements of ANSI B31.1-1973 with addenda through Summer, 1976. The safety evaluation concluded that the margin of safety is not reduced.
M12-1-83-1	This modification was approved for completion of construction items and to assist in reactivation of the chemical cleaning facility and waste precessing equipment for Unit 1. All work associated with this modification has been completed although Unit 1 will <u>NOT</u> be restarted. The Chemical Cleaning building has been converted to an interim radwaste storage facility for Units 2 and 3. The safety evaluation concluded that the margin of safety is not reduced.
M12-1-84-5	This modification replaced the Unit 1 Radwaste Tank Heater Cables and installed a new Motor Control Center and ambient temperature switch. This was accomplished to reduce the hazard of exposed cables in the radwaste tank area and increase the reliability of monitoring the tank level. The safety evaluation concluded that the margin of safety is not reduced.
M12-2/3-88-98	This modification provided a new Unit 2 Trackway survey area for exiting the Radiological Controlled Area. This included new exit portal monitors and a low noise level room for surveying potentially contaminated equipment. The safety evaluation concluded that the margin of safety is not reduced.

5.6 * Temporary System Alterations (Unit 2 and Unit 3)

A "Temporary System Alteration" refers to electrical jumpers, lifted leads, removed fuses, fuses turned to non-conducting position, fuses moved from normal to reserve holder, temporary power supplies, test switches in alternate positions, temporary blank flanges, and spool pieces. Alterations controlled and documented as part of a routine out-of-service or other procedure, alterations which are a normal feature of system design, and hoses installed as part of a venting or draining process are not included.

5.6.1 Unit 2

Temporary System Alteration No.	Description	Installation Date	Removal Date
II-02-91	While the Unit 2 Turbine is out of service oil strainer plugs will be used to facilitate the turbine overhaul. These temporary plugs have been made physically different for positive identification purposes to ensure their removal. These plugs block flow of oil to bearings during <u>all</u> modes of operation and <u>must</u> be removed prior to rolling the turbine on the turning gear.	1-12-91	
II-04-91	This alteration installed a combination of three electro-chemical potential (ECP) measurement probes in a decon fitting of the 2A Recirculation water loop. This was done to determine ECP values for the Recirculation System Hydrogen Water Chemistry Verification System.	1-31-91	D2R13

5.6.2 Unit 3

III-01-91	This temporary alteration provides a sample station for the condensate pump discharge to assist in sampling the conductivity and dissolved oxygen during relocation of the permanent sampling station being done by Modification M12-3-87-05C.	1-12-91	3 months
III-02-91	This temporary alteration adds instrumentation to the 3B Recirculation Pump which will monitor pump vibration. This additional equipment will enhance the temporary vibration monitoring equipment installed under Temp. Alt. III-12-90.	1-30-91	3 months