MONTHLY NRC

SUMMARY OF OPERATING EXPERIENCE,

PER REGULATORY GUIDE 1.16

FOR

DRESDEN NUCLEAR POWER STATION

COMMONWEALTH EDISON COMPANY

FOR April, 1994

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

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April, 1994 NRC REPORT

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 April, 1993, was compiled by Kevin W. Sykes of the Dresden Regulatory Assurance Staff, telephone number (815) 942-2920, extension 2704.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR April, 1994

2.1 UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY

04/01/94 Unit 2 entered the month on-line and critical. Core thermal power has been administratively limited to 99% since 09-24-93 due to the feedwater flow nozzle calibration concern identified at Quad Cities. The nozzle concern is being investigated under Problem Investigation Report (PIR) 12-2-93-117 (NTS #237-200-93-11700).

04/23/94 At 2200 hours, a power reduction was initiated from 790 MWe to 385 MWe to perform Main Steam Isolation Valve timing. Dresden Operating Surveillance (DOS) 0250-02, Full Closure Timing and Exercising of Main Steam Isolation Valves, requires a reduction in power to less than 50% of rated (or as specified by the Operations Shift Supervisor) prior to timing the valves.

04/30/94 At 2335 hours, a loss of instrument air occurred due to a discharge pipe shear on the 2A Instrument Air System Compressor. In accordance with Dresden Operating Abnormal Procedure (DOA) 4700-01, Instrument Air System Failure, the reactor was manually scrammed (i.e., shut down) when the Instrument Air System pressure decreased to 55 psig. This event will be formally reported to the NRC by Licensee Event Report (LER) 05000237/94005.

The unit remained shut down through the end of the month.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR April, 1994

2.2 UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY

04/01/94 Unit 3 entered the month in refuel and remained shut down through the end of the month.

3.0 OPERATING DATA REPORT

3.1 OPERATING DATA REPORT - DRESDEN UNIT TWO

DOCKET No. 050-237
DATE May 1, 1994
COMPLETED BY K. W. Sykes
TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: **April, 1994**
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,527
   MAXIMUM DEPENDABLE CAPACITY (MWe NET): 772
   DESIGN ELECTRICAL RATING (MWe Net): 794
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe Net): 99% of thermal output (2502 MWth)
4. REASONS FOR RESTRICTIONS (IF ANY): Feedwater flow nozzle calibration concern (see Section 2.1)

REPORTING PERIOD DATA

	PARAMETER	THIS MONTH	YEAR TO DATE	CUMULATIVE
5.	HOURS IN PERIOD	719	2879	209,327
6.	TIME REACTOR CRITICAL (Hours)	718.6	2879	* 157,337
7.	TIME REACTOR RESERVE SHUTDOWN (Hours)	0	0	0
8.	TIME GENERATOR ON-LINE (Hours)	718.6	2878.6	** 151,089.6
9.	TIME GENERATOR RESERVE SHUTDOWN (Hours)	0	0	0
10.	THERMAL ENERGY GENERATED (MWHt Gross)	1,767,733	7,030,546	*** 313,021,834
11.	ELECTRICAL ENERGY GENERATED (MWHe Gross)	563,972	2,235,936	**** 99,847,387
12.	ELECTRICAL ENERGY GENERATED (MWHe Net)	541,929	2,136,311	94,395,829
13.	REACTOR SERVICE FACTOR (%)	99.9	100	75.2
14.	REACTOR AVAILABILITY FACTOR (%)	99.9	100	75.2
15.	GENERATOR SERVICE FACTOR (%)	99.9	100	72.2
16.	GENERATOR AVAILABILITY FACTOR (%)	99.9	100	72.2
17.	CAPACITY FACTOR (USING MDC Net) (%)	97.6	96.1	58.4
18.	CAPACITY FACTOR (USING DER Net) (%)	94.9	93.5	56.8
19.	FORCED OUTAGE FACTOR (%)	0	0	12.0

* Total adjusted to reflect the 719 hours for April 1994 and 744 hours for July 1993 which was inadvertently not factored into the cumulative total for Reference 2.

** Total adjusted to reflect 719 hours for April 1994 and a correction to the cumulative total from 1993. Reference 3 identified the cumulative total as 147,277 hours as of December 1993; the actual total was 148,211 hours.

*** Total adjusted to reflect the 1,767,733 MWHt total for April 1994, and 1,835,777 MWHt for March 1994 which was inadvertently not factored into the cumulative total for Reference 4.

**** Total adjusted to reflect 563,972 MWe for April 1994 and a correction to the cumulative total calculated for March 1994. Reference 4 identified the March cumulative total as 99,262,467 MWe; the actual total was 99,283,415 MWe.

20. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (Type, Date and Duration of Each)
N/A

21. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP.
N/A

3.0 OPERATING DATA REPORT

3.2 OPERATING DATA REPORT - DRESDEN UNIT THREE

DOCKET No. 050-249
DATE May 1, 1994
COMPLETED BY K. W. Sykes
TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: **April, 1994**
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,527
   MAXIMUM DEPENDABLE CAPACITY (MWe Net): 773
   DESIGN ELECTRICAL RATING (MWe Net): 794
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe Net): N/A
4. REASONS FOR RESTRICTIONS (IF ANY): N/A

REPORTING PERIOD DATA

5.	HOURS IN PERIOD	719	2879	199,656
6.	TIME REACTOR CRITICAL (Hours)	0	1642	144,348
7.	TIME REACTOR RESERVE SHUTDOWN (Hours)	0	0	0
8.	TIME GENERATOR ON-LINE (Hours)	0	1637	138,952
9.	TIME GENERATOR RESERVE SHUTDOWN (Hours)	0	0	0
10.	THERMAL ENERGY GENERATED (MWHt Gross)	0	2,841,650	286,576,467
11.	ELECTRICAL ENERGY GENERATED(MWHe Gross)	0	893,683	92,259,719
12.	ELECTRICAL ENERGY GENERATED (MWHe Net)	-5769	836,192	87,403,256
13.	REACTOR SERVICE FACTOR (%)	0	57.0	72.3
14.	REACTOR AVAILABILITY FACTOR (%)	0	57.0	72.3
15.	GENERATOR SERVICE FACTOR (%)	0	56.9	69.6
16.	GENERATOR AVAILABILITY FACTOR (%)	0	56.9	69.6
17.	CAPACITY FACTOR (USING MDC Net) (%)	0	37.6	56.6
18.	CAPACITY FACTOR (USING DER Net) (%)	0	36.6	55.1
19.	FORCED OUTAGE FACTOR (%)	0	0	11.6

20. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (Type, Date and Duration of Each)

    Refuel Outage 13, D3R13, began on March 12, 1994. The outage had originally been scheduled for 13 weeks.

21. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP
    The estimated startup date from D3R13 is June 27, 1994.

3.3 AVERAGE DAILY UNIT 2 POWER LEVEL

DOCKET No. 050-237
UNIT Dresden 2
DATE May 1, 1994
COMPLETED BY K. W. Sykes
TELEPHONE (815) 942-2920

MONTH: **April, 1994**

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	765	18	762
2	764	19	765
3	757	20	761
4	762	21	754
5	763	22	769
6	764	23	758
7	762	24	541
8	763	25	745
9	765	26	751
10	764	27	754
11	764	28	755
12	763	29	764
13	765	30	747
14	764		
15	763		
16	765		
17	757		

3.4 AVERAGE DAILY UNIT 3 POWER LEVEL

DOCKET No. 050-249
UNIT Dresden 3
DATE May 1, 1994
COMPLETED BY K. W. Sykes
TELEPHONE (815) 942-2920

MONTH: April, 1994

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	0	18	0
2	0	19	0
3	0	20	0
4	0	21	0
5	0	22	0
6	0	23	0
7	0	24	0
8	0	25	0
9	0	26	0
10	0	27	0
11	0	28	0
12	0	29	0
13	0	30	0
14	0		
15	0		
16	0		
17	0		

3.5 UNIT 2 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OF April, 1994

NO.	DATE	TYPE(1)	DURATION (HOURS)*	REASON(2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE(4)	COMPO-NENT CODE (5)	CORREC-TIVE ACTIONS/ COM-MENTS
2	940423	S	0	B	5	NA	NA	NA	SEE NOTE 1 BELOW
3	940430	F	0.4	A	2	05000237/ 94005	LD	ACC	SEE NOTE 2 BELOW

* Year-to-date forced outage hours = 0.4; Cumulative forced outage hours = 20,620.4

NOTE 1: Power was reduced to perform Main Steam Isolation Valve timing. Dresden Operating Surveillance (DOS) 0250-02, Full Closure Timing and Exercising of Main Steam Isolation Valves, requires a reduction in power to less than 50% of rated (or as specified by the Operations Shift Supervisor) prior to timing the valves.

NOTE 2: At 2335 hours, a loss of instrument air occurred due to a discharge pipe shear on the 2A Instrument Air System Compressor. In accordance with Dresden Operating Abnormal Procedure (DOA) 4700-01, Instrument Air System Failure, the reactor was manually scrammed (i.e., shut down) when the Instrument Air System pressure decreased to 55 psig. This event will be formally reported to the NRC by Licensee Event Report (LER) 05000237/94005. (It should be noted that the component code designation is based on preliminary findings.)

TABLE KEY:

(1)
F: Forced
S: Scheduled

(2)
Reason:
A Equipment Failure (Explain)
B Maintenance or Test
C Refueling
D Regulatory Restriction
E Operator Training & Licensing Exam
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 Instruction for Preparation of Data Entry Sheets for Licensee Event Reports (LER) File (NUREG-0161)

(5)
Exhibit I Same Source as Above.

3.6 UNIT 3 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April, 1994

NO.	DATE	TYPE(1)	DURATION (HOURS)*	REASON(2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE(4)	COMPO-NENT CODE (5)	CORREC-TIVE ACTIONS/ COM-MENTS
3	940309	S	719	C	1	NA	NA	NA	NA

* Year-to-date forced outage hours = 0; Cumulative forced outage hours = 18,239

TABLE KEY:

(1)
F: Forced
S: Scheduled

(2)
Reason:
A Equipment Failure (Explain)
B Maintenance or Test
C Refueling
D Regulatory Restriction
E Operator Training & Licensing Exam
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 Instruction for Preparation of Data Entry Sheets for Licensee Event Reports (LER) File (NUREG-0161)

(5)
Exhibit I Same Source as Above.

3.7 UNIT 2 MAXIMUM DAILY ELECTRICAL LOAD FOR April, 1994.

Day	Hour Ending	UNIT 2 MAXIMUM DAILY ELECTRICAL LOAD (KWe)
1	0300	808,000
2	0100	806,000
3	1400	807,000
4	0500	805,000
5	2200	806,000
6	0500	807,000
7	1100	808,000
8	1100	807,000
9	0200	807,000
10	1000	808,000
11	0100	807,000
12	0100	807,000
13	0100	807,000
14	0100	807,000
15	2400	806,000
16	0100	808,000
17	0900	806,000
18	0100	805,000
19	2300	809,000
20	0100	809,000
21	1800	808,000
22	0700	809,000
23	0300	809,000
24	2400	744,000
25	0600	799,000
26	0600	801,000
27	1500	799,000
28	1000	801,000
29	0200	805,000
30	2300	808,000

3.8 UNIT 3 MAXIMUM DAILY ELECTRICAL LOAD FOR April, 1994

Day	Hour Ending	UNIT 3 MAXIMUM DAILY ELECTRICAL LOAD (KWe)
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
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

4.0 UNIQUE REPORTING REQUIREMENTS

4.1 MAIN STEAM RELIEF VALVE OPERATIONS

None.

4.2 OFF-SITE DOSE CALCULATION MANUAL (ODCM) CHANGES

None.

4.3 MAJOR CHANGES TO THE RADIOACTIVE WASTE TREATMENT SYSTEMS April, 1994

None.

4.4 FAILED FUEL ELEMENT INDICATIONS

4.4.1 Unit 2

Unit 2 fuel performance during April, 1994, continued to show no indications of leaking fuel. This is based on the sum of the activities of the six (6) Noble Gases as measured at the Recombiner. Therefore, Unit 2 had excellent fuel performance.

4.4.2 Unit 3

Unit 3 was shut down during the month of April for Refuel Outage D3R13.

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

5.1 Amendments to Facility License or Technical Specifications implemented during April, 1994.

The NRC issued Technical Specification amendments 125 (DPR-19, Unit 2) and 119 (DPR-25, Unit 3); these amendments were implemented at the site on April 25, 1994. These amendments revise the Limiting Conditions for Operation (LCOs) and Surveillance Requirements (SRs) for the Drywell Airlock to reflect the requirements of 10 CFR 50 App. J and the BWR Standard Technical Specifications.

The notable changes to the technical specifications concerning the drywell airlock are :

1) The allowable leakage limit for the airlock has been relocated from LCO 3.7.A.2.b(2)(b) to 3.7.A.8.a(1)

2) Allowable delay times for performing the LLRT on the airlock are stated in new TS section 3.7.A.8. (The 72 hour clock currently exists only in station procedure)

3) Detailed testing requirements for the airlock are stated in SR 4.7.A.8. The previous requirements were stated in SR 4.7.A.2.e(3)

4) One airlock door (inboard or outboard) is allowed to inoperable, however, the operable door must be locked, with the status of the locked door checked every 31 days.

5) Introduction of a new LCO on the airlock interlock mechanism.

6) Introduction of a new SR to test the interlock mechanism for proper operation prior to establishing primary containment.

7) The airlock interlock mechanism may be inoperable, provided at least one airlock door (inboard or outboard) is locked closed, and verified closed every 31 days.

8) Technical Specification definition 1.0.R for Primary Containment has been revised to refer to TS section 3/4.7.A.8.

9) Bases pages B 3/4.7-33 and 43 have been revised, new pages have been added.

Additional changes associated with these amendments are:

Replacement pages for pages 3/4.7-31 and 3/4.7-32 stating "INTENTIONALLY LEFT BLANK" have been provided. Primary Containment Isolation Valve Table 3.7.1 was located on these pages but was relocated to the DATRs with TS amendments 122 (D2) and 117 (D3).

5.2 Safety Related Maintenance (Unit 2 and 3)

5.2.1 Safety related preventive maintenance activities for April, 1994 are summarized in the attached computer printout. Unit 2/3 items are designated as "00" in the "Unit" column.

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '04/01/94' THRU '04/30/94' NUC SAFE EQ 'Y' JOB CODE STARTS WITH 'P'

OBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
1	00	2/3-305-CR296	DRIVE CONTROL ROD #296	04/16/94	D13436
2	02	2-305-111-14-35	VALVE MANUAL NEEDLE NITROGEN CHARGING	04/07/94	D25045
3	02	2-1505E	GAUGE CCSW VAULT ROOM PENETRATION LEAK TEST	04/05/94	D12213
4	02	2-7328-5C	SWGR BRK S TURB RM VENT FAN 2-5702-A	04/07/94	D21573
5	03	3-0016	EQUIPMENT MISCELLANEOUS ALT.	04/01/94	D16443
6	03	3-0201-1	VESSEL REACTOR #3	04/21/94	D20732
7	03	3-0201-1	VESSEL REACTOR #3	04/14/94	D21340
8	03	3-203-32	SNUBBER TARGET ROCK VALVE 3-0203-3A	04/26/94	D20354
9	03	3-263	INSTRUMENTS SENSING LINES BACKFILL MISC	04/27/94	D20370
10	03	3-0263-139B	GAUGE RX VESSEL PRESSURE	04/20/94	D20371
11	03	3-0300	MISC SYSTEM CONTROL ROD DRIVE HYDRAULICS	04/07/94	D21648
12	03	3-0302-160A	SOLENOID VLV SHUT DOWN VOLUME 3-0302-160A AOV	04/28/94	D19122
13	03	3-0302-160B	SOLENOID VLV SHUT DOWN VOLUME AOV 3-0302-160B	04/28/94	D19121
14	03	3-0404A-15	SNUBBER SCRAM DISCHARGE PIPE LINE 3-0410-2"	04/26/94	D20593
15	03	3-0595-134	RELAY PROTECTIVE SBGT AUTO-ACTUATION	04/23/94	D14525
16	03	3-0595-135	RELAY PROTECTIVE SBGT AUTO-ACTUATION	04/28/94	D14526
17	03	3-1001-2C	OPERATOR MOV 3-1001-2C	04/19/94	D20977
18	03	3-1101-15	VALVE CHECK SBLC DISCH ISOL INSIDE DW	04/25/94	D20152
19	03	3-1102A	GEAR A STANDBY LIQUID CONTROL PUMP REDUCING	04/22/94	D18052
20	03	3-1102A	PUMP A STANDBY LIQUID CONTROL	04/30/94	D18052
21	03	3-1102B	GEAR B STANDBY LIQUID CONTROL PUMP REDUCING	04/25/94	D18053
22	03	3-1102B	PUMP B STANDBY LIQUID CONTROL	04/25/94	D17045

OBS	DESCRIPTION
1	REQUESTED--- LEAK TEST CRD 296 THAT WAS REBUILT UNDER WR #13304----------
2	REQUESTED--- VALVE HAS PACKING LEAK CAUSING LOSS OF NG FROM THE ACCUMULATOR----------
3	REQUESTED--- PLEASE REPLACE GAUGES.----------
4	REQUESTED--- PERF. 5 YR INSPC OF 480V BRKR FOR 2 'A' SOUTHTURB RM VNT FAN 2-5702-A ON BUS 28-
5	REQUESTED--- REMOVE/REPLACE FLR/ROOF PLUGS TO SUPPORT TURBDISASSEMBLY OF HPCI TURB----------
6	REQUESTED--- PERFORM ULTRASONIC TESTS ON THE REACTOR SHROUD ACCESS HOLD COVER PLATES ATTACHME
7	REQUESTED--- REMOVE D/3 RX DRYER AND SEPERATOR DURING D3R13 REFUEL OUTAGE.----------
8	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
9	REQUESTED--- LIST NECESSARY LEADS, INSTALL JUMPERS , ATWS PRIMARY CONTAIN ISOL, ECCS SET PTS-
10	REQUESTED--- INSTALL RX WTR LVL SIGHTGLASS, FIELD RTE POLYFLO TUBING FROM IND UP NW STAIRWELL
11	REQUESTED--- REMOVE AND REPLACE SUPPORT STEEL AS REQUIRED FOR REMOVAL + REPLACEMENT OF CRD'S-
12	REQUESTED--- PERFORM REFUEL PM SURV OF AOV 302-160A----------
13	REQUESTED--- PERFORM REFUEL PM SURV OF AOV 302-160B----------
14	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
15	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
16	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
17	REQUESTED--- INSPECT STEM + GREASE PER DMS 040-02----------
18	REQUESTED--- PENDING D3R13 AS FOUND LLRT RESULTS, PLS OPEN, INSPECT, CLEAN, + REPAIR VLV TO R
19	REQUESTED--- PERFORM INSPECTION OF GEAR BOX INTERNALS AND REPLACE/REPAIR AS NEEDED----------
20	REQUESTED--- PERFORM INSPECTION OF GEAR BOX INTERNALS AND REPLACE/REPAIR AS NEEDED.----------
21	REQUESTED--- PERFORM INSPECTION OF GEAR BOX INTERNALS AND REPLACE/REPAIR AS NEEDED----------
22	REQUESTED--- INSPECT AND REPAIR PMP AS NEEDED DURING REFUEL OUTAGE----------

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '04/01/94' THRU '04/30/94' NUC SAFE EQ 'Y' JOB CODE STARTS WITH 'P'

OBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
23	03	3-1106A	VALVE EXPLOSIVE A STANDBY LIQUID CONTROL	04/19/94	D17058
24	03	3-1106B	VALVE EXPLOSIVE B STANDBY LIQUID CONTROL	04/29/94	D12758
25	03	3-1107A	ACCUMULATOR A SBLC PUMP DISCHARGE	04/04/94	D18003
26	03	3-1201-25	SNUBBER REACTOR WATER CLEANUP LINE 3-1201-8"	04/26/94	D20359
27	03	3-1402-24B	OPERATOR MOV 1402-24B	04/13/94	D20557
28	03	3-1402-25B	OPERATOR MOV 1402-25B	04/18/94	D21397
29	03	3-1402-25B	VALVE MO B CORE SPRAY DISCH OUTSIDE ISOLATION	04/18/94	D02651
30	03	3-1402-3B	OPERATOR MOV 1402-3B	04/14/94	D19909
31	03	3-1402-3B	MOTOR MOV 1402-3B	04/14/94	D19900
32	03	3-1402-38B	OPERATOR MOV 1402-38B	04/14/94	D21606
33	03	3-1402-38B	VALVE MO B CORE SPRAY RECIRCULATION	04/27/94	D02653
34	03	3-1402-4B	OPERATOR MOV 1402-4B	04/14/94	D19092
35	03	3-1406-01	SNUBBER CORE SPRAY LINE 3-1406-8"	04/26/94	D20414
36	03	3-1464B	CORE SPRAY FLOW TX	04/14/94	D09984
37	03	3-1501-35	SNUBBER TORUS RING HEADER LINE 3-1501-24"	04/26/94	D20621
38	03	3-1501-16	SNUBBER TORUS RING HEADER LINE 3-1501-24"	04/26/94	D20617
39	03	M-3414-17	SUPPORT LPCIBD 1506-18" CLASS 2 M-3414-17	04/29/94	D25416
40	03	3-1701-100A	RELAY PROCESS RADIATION MONITOR FOR SBGT VENT	04/28/94	D14533
41	03	3-1701-100B	RELAY PROCESS RADIATION MONITOR FOR SBGT VENT	04/23/94	D14534
42	03	3-1705-101	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/28/94	D14535
43	03	3-1705-102	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/28/94	D14536
44	03	3-1705-103	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/23/94	D14537

OBS	DESCRIPTION
23	REQUESTED--- REPLACE VLV DURING D3R13----------
24	REQUESTED--- REPLACE VLV----------
25	REQUESTED--- INSPECT ACCUMULATOR BLADDER PER DNS 1100-03----------
26	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
27	REQUESTED--- PLEASE REPLACE EXISTING SPRING PACK, INSTALL GREASE RELIEF.----------
28	REQUESTED--- PLEASE CHANGE SPRING PACK WITH PART 0701-212 AND INSTALL GREASE RELIEF.----------
29	REQUESTED--- REPACK VALVE 1402-25B VALVE----------
30	REQUESTED--- PLEASE DISCONNECT AND CONNECT FOR MM WORK NWR D17997 REPLACE MOTOR----------
31	REQUESTED--- DISCONNECT AND CONNECT FOR MMD WORK ON NWR D17997. REPLACE MOTOR----------
32	REQUESTED--- PERFORM REFUEL PM SURV OF LIMITORQUE VALVE OPERATOR 1401-38B----------
33	REQUESTED--- REPACK VALVE----------
34	REQUESTED--- PERFORM REFUEL PM SURV OF LIMITORQUE VALVE OPERATOR 1402-4B----------
35	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
36	REQUESTED--- REPLACE XMITTER 3-1464B----------
37	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
38	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
39	REQUESTED--- STAKE THREADS ON BOTH SIDES OF TURNBUCKLE (INSIDE OF TURNBUCKLE).----------
40	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
41	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
42	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS AC REFERENCE 12E3489----------
43	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
44	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '04/01/94' THRU '04/30/94' NUC SAFE EQ 'Y' JOB CODE STARTS WITH 'P'

OBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
45	03	3-1705-104	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/23/94	D14538
46	03	3-1705-105	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/28/94	D14539
47	03	3-1705-106	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/28/94	D14540
48	03	3-1705-107	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/23/94	D14541
49	03	3-1705-108	RELAY PROCESS RADIATION MONITOR RX BLDG FUEL	04/23/94	D14542
50	03	3-2203-73A	PANEL LOCAL PL2203-73A	04/07/94	D18587
51	03	3-2203-73B	PANEL LOCAL PL2203-73B	04/09/94	D18592
52	03	3-2305-22	SNUBBER HPCI LINE 3-2305-10"	04/26/94	D20362
53	03	3-3001B-45	SNUBBER MAIN STEAM LINE 3-3001B-20"	04/26/94	D20501
54	03	3-3001C-43	SNUBBER MAIN STEAM LINE 3-3001C-20"	04/26/94	D20422
55	03	3-3019A-56	SNUBBER SAFETY RELIEF VALVE LINE 3-3019A-8"	04/26/94	D20390
56	03	3-3019A-57	SNUBBER SAFETY RELIEF VALVE LINE 3-3019A-8"	04/26/94	D20392
57	03	3-3019C-52	SNUBBER SAFETY RELIEF VALVE LINE 3-3019C-8"	04/26/94	D20417
58	03	3-3019C-53	SNUBBER SAFETY RELIEF VALVE LINE 3-3019C-8"	04/26/94	D20419
59	03	3-3930-500	VALVE GATE MAN D/G COOLING WATER PUMP DISCH	04/16/94	D04009
60	03	3-3930-500	VALVE GATE MAN D/G COOLING WATER PUMP DISCH	04/16/94	D20155
61	03	3-3941-897	INDICATOR DIESEL GEN COOLING WATER FLOW	04/15/94	D20154
62	03	3-5202B-501	VLV CHECK D/G FUEL OIL TRANS PMP DISCH RELIEF	04/11/94	D11654
63	03	3-6601	ENGINE STANDBY DIESEL GENERATOR	04/16/94	D12763
64	03	3-6601	GENERATOR STANDBY DIESEL	04/16/94	D19104
65	03	3-6641-523	SWITCH D/G ENGINE CRANKCASE PRESSURE	04/15/94	D17734
66	03	3-6669A	HEAT EXCHANGER D/G COOLING WATER	04/15/94	D20576

OBS	DESCRIPTION
45	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
46	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
47	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
48	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
49	REQUESTED--- REPLACE COIL IN RELAY WITH ONE RATED AT 120 VOLTS.----------
50	REQUESTED--- REPLACE AND RELOCATE FUSE BLOCKS FB-3 + FB-4 IN ATS PANEL.----------
51	REQUESTED--- REPLACE FUSE BLOCKS AND RELOCATE TO TOP OF PANEL----------
52	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
53	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
54	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
55	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
56	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
57	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
58	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DMP 0040-35----------
59	REQUESTED--- VALVE PACKING LEAKING. ADJUST/REPLACE PACKING.----------
60	REQUESTED--- INSTALL PANCAKE FLANGE ON INLET SIDE OF VLV 3-3930-500. FLANGE IS REQUIRED TO P
61	REQUESTED--- INSTALL PANCAKE FLANGE IN PLACE OF RESTRICTING ORIFICE IN FLOW INDICATOR FI 3-39
62	REQUESTED--- TAKE APART AND INSPECT CK VALVE INTERNALS.----------
63	REQUESTED--- ----------
64	REQUESTED--- PERFORM REFUEL PM SURV AND REPLACE FREQUENCY COUPLING SPIDER ON STANDBY DIESEL G
65	REQUESTED--- PERFORM REFUEL PM AND CALIBRATION ON D/G CRANKCASE PRESSURE SWITCH REPLACEMENT--
66	REQUESTED--- REPLACE A AND B DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS WITH REBUILT-----

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '04/01/94' THRU '04/30/94' NUC SAFE EQ 'Y' JOB CODE STARTS WITH 'P'

OBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
67	03	3-6669B	HEAT EXCHANGER D/G COOLING WATER	04/15/94	D20576
68	03	3-6733	BUS 33 4KV	04/21/94	D19629
69	03	3-6733-1	BUS 33-1 4KV	04/23/94	D19713
70	03	3-6734	BUS 34 4KV	04/07/94	D13881
71	03	3-6734-1	BUS 34-1 4KV	04/08/94	D16331
72	03	3-7339-1R#39	TRANSFORMER SUBSTATION 480 V #39 SYSTEM MISC	04/09/94	D19716
73	03	3-7339-3B	SWGR BRK RX BLDG MCC 39-1 3-7839-1P1	04/06/94	D21693
74	03	3-7339-4C	SWGR BRK RX BLDG MCC 39-7 3-7839-7C1	04/29/94	D21695
75	03	3-7838-1B2	SWGR BRK SBLC TANK HEATER 3-1103	04/02/94	D19194
76	03	3-7838-1B3	WSGR BRK STAND-BY LIQUID CONTROL PP 3-1102A	04/20/94	D19193
77	03	3-7839-1F4	SWGR BRK STD-BY LIQUID CONTROL PP 3-1102-B	04/19/94	D19159
78	03	3-7839-2D4	SWGR BRK CCSW PP CUB COOL FAN#1 3-5700-30D	04/04/94	D19137
79	03	3-8300	BATTERY 125V U3	04/14/94	D19662
80	03	3-8303	BUS U3 250VDC	04/20/94	D19388
81	03	3-8325	BATTERY 24/48V U3	04/16/94	D19664
82	03	3-8325	BATTERY 24/48V U3	04/14/94	D19665
83	03	3-8325	BATTERY 24/48V U3	04/11/94	D19666
84	03	3-8325	BATTERY 24/48V U3	04/11/94	D19667
85	03	3-8325-A-B	BATTERY CHARGER 24/48V U3	04/07/94	D86976
86	03	3-8350	BATTERY 250V U3	04/21/94	D19661

OBS	DESCRIPTION
67	REQUESTED--- REPALCE A + B DIESEL GENERATOR COOLING WATER HEAT EXCHANGERS----------
68	REQUESTED--- WHEN BUS IS DOWN DURING D3R13 FOR BUS BRACINGWORK, INSPECT, CLEAN + REPAI. AS N-
69	REQUESTED--- INSPECT AND CLEAN MN BUS AND TAPS OFF BUS TO INDIVIDUAL CUBICLES.----------
70	REQUESTED--- 4KV BUS 34 OPEN FRONT/REAR ACCESS COVERS EXCEPT CUBICLE II, VENDOR BUS INSPECTIO
71	REQUESTED--- MAKE SECOND LEVEL UNDERVOLTAGE RELAYS LESS SUSCEPTIBLE TO RADIATION INDUCED DRIF
72	REQUESTED--- CLEAN TRANSFORMER COOLING FINS AND FANS.----------
73	REQUESTED--- PERFORM 480V. BREAKER SURVEILLANCE AND UPGRADE TRIP DEVICE TO RMS -9.----------
74	REQUESTED--- PERFORM 480V. BREAKER SURVEILLANCE AND TRIP DEVICE UPGRADE TO RMS-9.----------
75	REQUESTED--- PERFORM REFUEL P.M. SURV. OF BKR AND CUBICLE AT MCC 38-1----------
76	REQUESTED--- PERFORM REFUEL PM SURV OF BKR + CUBICLE AT MCC 38-1----------
77	REQUESTED--- PERFORM REFUEL PM SURV OF BKR + CUBICLE AT MCC 39-1----------
78	REQUESTED--- PERFORM REFUEL PM SURV OF BKR + CUBICLE AT MCC 39-2----------
79	REQUESTED--- REPLACE INTERCELL CONNECTORS WHICH HAVE EXPOSED COPPER.----------
80	REQUESTED--- PERFORM REFUEL PM SURV. CLEANING AND INSPECTING BUS INSULATORS, CHECKING JOINTS-
81	REQUESTED--- REPLACE INTERCELL CONNECTORS WHICH HAVE EXPOSED COPPER----------
82	REQUESTED--- REPLACE LUGS ON CABLES----------
83	REQUESTED--- REPLACE INTERCELL CONNECTORS WHICH HAVE EXPOSED COPPER----------
84	REQUESTED--- REPLACE LUGS ON B----------
85	REQUESTED--- REPLACE THE TEB 122020WL CIRCUIT BREAKER----------
86	REQUESTED--- REPLACE INTERCELL CONNECTORS WHICH HAVE EXPOSED COPPER AFTER CLEANING.----------

5.2 Safety Related Maintenance (Unit 2 and 3)

5.2.2 Safety related corrective maintenance activities for April, 1994 are summarized in the attached computer printout. Unit 2/3 items are designated as "00" in the "Unit" column.

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '04/01/94' THRU '04/30/94' NUC SAFE EQ 'Y' JOB CODE STARTS WITH 'C'

OBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
1	00	2/3-305-CR657C	DRIVE CONTROL ROD #657C	04/01/94	D24753
2	00	2/3-305-CR718C	DRIVE CONTROL ROD #718C	04/01/94	D24752
3	00	2/3-6641-07	INDICATOR TEMPERATURE LUBE OIL COOLER DISCH	04/06/94	D22462
4	00	2/3-9400-102	MOTOR CR HVAC REFRIGERANT COND UNIT	04/04/94	D24802
5	02	2-1201-2	MOTOR MOV 1201-2	04/27/94	D18622
6	02	2-1501-3A	OPERATOR MOV 1501-3A	04/15/94	D21356
7	02	2-1552B	ELEMENT B LPCI HEAT EXCHANGER CCSW INLET TEMP	04/01/94	D24679
8	03	3-302-82M	SWITCH SCRAM DISC VOLUME LOOP LEVEL	04/28/94	D16406
9	03	3-305-104-22-23	VALVE MANUAL GATE COOL WATER RISER ISO	04/14/94	D25226
10	03	3-3700	MISC SYSTEM NEUTRON MONITORING	04/29/94	D17594
11	03	3-0903-4	PANEL SHUTDOWN HD COOLING CLEANUP + RECIRC	04/15/94	D20164
12	03	3-1100	SYSTEM SBLC HANGERS/SUPPORTS NON-CLASS	04/18/94	D16946
13	03	3-1101-2A	VALVE MANUAL A SBLC PUMP DISCHARGE	04/18/94	D16027
14	03	3-1101-22	VALVE GLOBE SBLC RECIRC HEADER STOP	04/18/94	D13529
15	03	3-1199-003	VALVE GLOBE SBLC DISCH HDR INBD VENT SV	04/12/94	D15264
16	03	3-1600	MISC SYSTEM PRESSURE SUPPRESSION	04/29/94	D19752
17	03	3-4699-194	VALVE GLOBE MAN D/G STARTING AIR FILTER INLET	04/16/94	D13731
18	03	3-6699-127B	VALVE DG LEFT BANK ENGINE CLG WTR PUMP VENT	04/14/94	D17184
19	03	3-6723-74086	SWITCHGEAR BREAKER 4KV.	04/18/94	D12374
20	03	3-6733-1	BUS 33-1 4KV	04/13/94	D16330
21	03	3-6734	BUS 34 4KV	04/07/94	D09340
22	03	3-6734-27	BUS CUBICLE FEED FROM U3 DIESEL GEN	04/09/94	D15210

OBS	DESCRIPTION
1	REQUESTED--- REPLACE BENT SPUD ON CRD SN 657C----------
2	REQUESTED--- OUTER FILTER ON CRD 718C IS TOO LARGE IN DIAMETER (.030) REPLACE FILTER---------
3	REQUESTED--- GLASS BROKE ON GAUGE, PLEASE REPAIR.----------
4	REQUESTED--- BREAKER WAS FOUND TRIPPED. PLEASE INVESTIGATE AND REPAIR.----------
5	REQUESTED--- LIGHTS NOT WORKING----------
6	REQUESTED--- THE LOCK ON THE REMOTE PUSHBUTTON STATION IS DEFECTIVE. REPLACE LOCK.----------
7	REQUESTED--- 2B CCSW INLET TE ERRATICALLY READING HIGH - GIVING ALARM 902-3 C-8, REPAIR.----
8	REQUESTED--- SWITCH FAILED TO TRIP DURING DIS-0302-82M,REPAIR----------
9	REQUESTED--- REPLACE MISSING BONNET BOLT----------
10	REQUESTED--- U-3,TROUBLE SHOOT ALL IRMS TO DETERMINE IF SIGNAL PATH TO CONTROL RM IS OPERATIN
11	REQUESTED--- TERMINAL BLOCK IS BROKEN + ALL HOLDERS ARE TOO TIGHT - REPLACE WITH FUSE BLOCK T
12	REQUESTED--- TIGHTEN AND ADJUST PIPE CLAMP, M-1190D-64, M-1190D-65, M-1190D-66, M-1190D-67---
13	REQUESTED--- VALVE STEM BENT NEAR HANDWHEEL.----------
14	REQUESTED--- REPLACE VALVE----------
15	REQUESTED--- VALVE HAS SLIGHT PACKING LEAK.----------
16	REQUESTED--- PERFORM UNDERWATER INSPECTION OF TORUS INTERIOR SURFACE. REPAIR FAILED COATING.-
17	REQUESTED--- VLV. IS DIFFICULT TO OPERATE. REPACK/REPAIR.----------
18	REQUESTED--- DG CLG WTR VENT -RETAPE FITTINGS-THREADS LEAKING COOLANT----------
19	REQUESTED--- BREAKER COVER IS DAMAGED. REMOVE COVER/DOOR AND REPAIR DAMAGE. CHECK SCREW OPER
20	REQUESTED--- RELAY 127-3-B33-1 AND 127-4-B33-1 MAKE LESS SUSCEPTIBLE TO RADIATION DRIFTING---
21	REQUESTED--- LOCATE GROUND IN CABLE #34203----------
22	REQUESTED--- D/G 3 FEED BKR DOOR LATCH IS DIFFICULT TO RELATCH. INPUT SENSITIVE RELAYS ARE---

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '04/01/94' THRU '04/30/94' NUC SAFE EQ 'Y' JOB CODE STARTS WITH 'C'

OBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
23	03	3-8325-A-B	BATTERY CHARGER 24/48V U3	04/06/94	D22141

OBS	DESCRIPTION
23	REQUESTED--- THE AC INPUT BRKR FOR 3B 24/48 VDC NEGATIVE BANK CHARGER SPURIOUSLY TRIPPED OPEN