



**Commonwealth Edison**  
Dresden Nuclear Power Station  
6500 North Dresden Road  
Morris, Illinois 60450  
Telephone 815/942-2920

June 14, 1994

GFSLTR 94-0186

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

Attention: Document Control Desk

Subject: Monthly Operating Data Report for May 1994  
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 May 1994.

This information is supplied to your office as required by Technical Specification 6.6.A.3, in accordance with the instructions set forth in Regulatory Guide 1.16.

Sincerely,

Gary F. Spedl  
Station Manager

GFS/KWS:cfq

Enclosure

cc: NRC Region III Office  
Illinois Dept. of Nuclear Safety, State of Illinois  
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JE24

MONTHLY NRC  
SUMMARY OF OPERATING EXPERIENCE,  
PER REGULATORY GUIDE 1.16  
FOR  
DRESDEN NUCLEAR POWER STATION  
COMMONWEALTH EDISON COMPANY  
FOR MAY, 1994

<u>UNIT</u>	<u>DOCKET</u>	<u>LICENSE</u>
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 May, 1994, 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 May, 1994

### 2.1 UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY

05/01/94 Unit 2 entered the month shut down. At 2335 hours on April 30, 1994, 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 was formally reported to the NRC by Licensee Event Report (LER) 05000237/94005.

05/03/94 At 1237 hours unit startup began.

At 1658 hours the unit reached criticality. It should be noted that core thermal power is still administratively limited to 99%. This limitation was initially instated on 9-24-93 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).

05/04/94 At 2010 hours, the generator was placed on-line. The unit continued on-line through the end of the month.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR May, 1994

2.2 UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY

05/01/94 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 June 1, 1994  
 COMPLETED BY K. W. Sykes  
 TELEPHONE (815) 942-2920

#### OPERATING STATUS

1. REPORTING PERIOD: **May, 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	744	3623	210,071
6.	TIME REACTOR CRITICAL (Hours)	679	3558	158,016
7.	TIME REACTOR RESERVE SHUTDOWN (Hours)	0	0	0
8.	TIME GENERATOR ON-LINE (Hours)	652	3531	151,741.6
9.	TIME GENERATOR RESERVE SHUTDOWN (Hours)	0	0	0
10.	THERMAL ENERGY GENERATED (MWh Gross)	1,537,096	8,567,642	314,558,930
11.	ELECTRICAL ENERGY GENERATED (MWe Gross)	478,919	2,714,855	100,326,306
12.	ELECTRICAL ENERGY GENERATED (MWe Net)	458,693	2,595,004	94,854,522
13.	REACTOR SERVICE FACTOR (%)	91.3	98.2	75.2
14.	REACTOR AVAILABILITY FACTOR (%)	91.3	98.2	75.2
15.	GENERATOR SERVICE FACTOR (%)	87.6	97.5	72.2
16.	GENERATOR AVAILABILITY FACTOR (%)	87.6	97.5	72.2
17.	CAPACITY FACTOR (USING MDC Net) (%)	79.9	92.8	58.5
18.	CAPACITY FACTOR (USING DER Net) (%)	77.6	90.2	56.9
19.	FORCED OUTAGE FACTOR (%)	12.4	2.6	12.0

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 June 1, 1994  
 COMPLETED BY K. W. Sykes  
 TELEPHONE (815) 942-2920

#### OPERATING STATUS

1. REPORTING PERIOD: **May, 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	744	3623	200,400
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 (MWH: Gross)	0	2,841,650	286,576,467
11.	ELECTRICAL ENERGY GENERATED (MWH: Gross)	0	893,683	92,259,719
12.	ELECTRICAL ENERGY GENERATED (MWH: Net)	-6093	830,099	87,397,163
13.	REACTOR SERVICE FACTOR (%)	0	45.3	72.0
14.	REACTOR AVAILABILITY FACTOR (%)	0	45.3	72.0
15.	GENERATOR SERVICE FACTOR (%)	0	45.2	69.3
16.	GENERATOR AVAILABILITY FACTOR (%)	0	45.2	69.3
17.	CAPACITY FACTOR (USING MDC Net) (%)	0	29.6	56.4
18.	CAPACITY FACTOR (USING DER Net) (%)	0	28.9	54.9
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 July 9, 1994.



3.3 AVERAGE DAILY UNIT 2 POWER LEVEL

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

MONTH: May, 1994

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	0	18	750
2	0	19	751
3	0	20	747
4	71	21	737
5	366	22	664
6	693	23	672
7	759	24	681
8	762	25	690
9	765	26	698
10	757	27	725
11	761	28	590
12	755	29	663
13	755	30	661
14	749	31	704
15	750		
16	752		
17	750		

3.4 AVERAGE DAILY UNIT 3 POWER LEVEL

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

MONTH: May, 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	31	0
15	0		
16	0		
17	0		

### 3.5 UNIT 2 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OF May, 1994

NO.	DATE	TYPE(1)	DURATION (HOURS)*	REASON(2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE(4)	COMPONENT CODE (5)	CORRECTIVE ACTIONS/ COMMENTS
3	940430	F	92	A	2	05000237/94005	LD	ACC	SEE NOTE 1 BELOW

\* Year-to-date forced outage hours = 92.4; Cumulative forced outage hours = 20,712.4

NOTE 1: At 2335 hours on April 30, 1994, 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 was formally reported to the NRC by Licensee Event Report (LER) 05000237/94005.

TABLE KEY:

- |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(1)<br/>F: Forced<br/>S: Scheduled</p> <p>(2)<br/>Reason:<br/>A Equipment Failure (Explain)<br/>B Maintenance or Test<br/>C Refueling<br/>D Regulatory Restriction<br/>E Operator Training &amp; Licensing Exam<br/>F Administrative<br/>G Operational Error<br/>H Other (Explain)</p> <p>(3)<br/>Method:<br/>1. Manual<br/>2. Manual Scram<br/>3. Automatic Scram<br/>4. Other (Explain)<br/>5. Load Reduction</p> | <p>(4)<br/>Exhibit G Instruction for Preparation of Data Entry Sheets for Licensee Event Reports (LER) File (NUREG-0161)</p> <p>(5)<br/>Exhibit I Same Source as Above.</p> |
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### 3.6 UNIT 3 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1994

NO.	DATE	TYPE(1)	DURATION (HOURS)*	REASON(2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE(4)	COMPONENT CODE (5)	CORRECTIVE ACTIONS/ COMMENTS
3	940309	S	744	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 May, 1994.

Day	Hour Ending	UNIT 2 MAXIMUM DAILY ELECTRICAL LOAD (Kwe)
1		0
2		0
3		0
4	2300	150,000
5	2200	596,000
6	2200	803,000
7	1100	805,000
8	0800	804,000
9	0600	802,000
10	1900	799,000
11	0300	801,000
12	1500	798,000
13	0800	799,000
14	0100	795,000
15	0900	792,000
16	0600	791,000
17	0100	789,000
18	0400	789,000
19	0900	789,000
20	0100	787,000
21	0300	781,000
22	1300	761,000
23	1400	743,000
24	0500	717,000
25	1000	735,000
26	1700	740,000
27	1000	782,000
28	1300	656,000
29	1300	780,000
30	1100	770,000
31	0100	751,000

3.8 UNIT 3 MAXIMUM DAILY ELECTRICAL LOAD FOR May, 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
31		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  
May, 1994

None.

4.4 FAILED FUEL ELEMENT INDICATIONS

4.4.1 Unit 2

Unit 2 fuel performance during May, 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 May for Refuel Outage D3R13.



## 5.0 PLANT CHANGES

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

Amendments 126 (D2, DPR-19) and 120 (D3, DPR-25) were installed on May 12, 1994. These amendments revised the following:

- 1) The Reactor Water Level ECCS initiation limiting safety system setting was revised from 84 inches (above top of active fuel) +4, - 0 inches tolerance to 84 inches reactor water level.
- 2) The ECCS initiation instrumentation trip level setting was revised to 84 inches to reflect the change listed in item 1 above.
- 3) HPCI and Isolation Condenser steam line trip level settings for the high steam flow isolation were revised to 300% rated steam flow.

The changes identified in items 1 and 2 will allow the ECCS initiation level instruments field setting to be set more conservatively. More conservative settings will reduce the safety significance of expected instrument setpoint drift in the non-conservative direction.

## 5.2 Safety Related Maintenance (Unit 2 and 3)

5.2.1 Safety related preventive maintenance activities for May, 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 \*05/01/94\* THRU \*05/31/94\* MUC SAFE EQ \*Y\* JOB CODE STARTS WITH \*P\*

OBS	UNIT	EIN	EID DESCRIPTION	MAINT	
				COMP DATE	WORK REQ
1	00	2/3-305-CR2F	DRIVE CONTROL ROD #3	05/17/94	013452
2	00	2/3-305-CR873	DRIVE CONTROL ROD #873	05/17/94	014188
3	00	2/3-305-CR898	DRIVE CONTROL ROD #898	05/17/94	014174
4	02	2-6724-03	BUS CUBICLE FEED COBW PP 2C-1501-04	05/01/94	021268
5	03	M-11930-1004	SUPPORT ROD 02012-28* CLASS 1 M-11930-1004	05/18/94	025897
6	03	3-0220-50	VALVE MANUAL RX HEAD VENT VALVE	05/02/94	012622
7	03	3-0220-57A	VALVE MANUAL FW INBOARD ISOLATION	05/04/94	012820
8	03	3-0220-57B	VALVE MANUAL FW INBOARD ISOLATION	05/04/94	012821
9	03	3-0260-12	SWITCH RECIRC LOD- HIGH TEMPERATURE	05/03/94	024414
10	05	3-0300	MISC SYSTEM CONTROL ROD DRIVE HYDRAULICS	05/17/94	019349
11	03	M-12030-235	SUPPORT ROD 02012-25* CLASS 1 M-12030-235	05/18/94	025908
12	03	3-0404A-12	SHRUBBER SCRAM DISCHARGE PIPE LINE 3-0404A-1*	05/09/94	020519
13	03	3-0404B-13	SHRUBBER SCRAM DISCHARGE PIPE LINE 3-0404B-1*	05/18/94	024181
14	03	3-0404B-05	SHRUBBER SCRAM DISCHARGE PIPE LINE 3-0404B-1*	05/03/94	021187
15	03	3-0500	MISC SYSTEM REACTION PROTECTION	05/02/94	010931
16	03	3-1001-2A	OPERATOR MOV 3-1001-2A	05/05/94	019808
17	03	3-1001-5A	VALVE NO DATE A BDC OUTLET HEADER ISOLATION	05/21/94	023160
18	03	3-1001-5B	OPERATOR MOV 3-1001-5B	05/21/94	019250
19	03	3-1001-5B	OPERATOR MOV 3-1001-5B	05/03/94	017073
20	03	3-1001-5B	VALVE NO DATE B BDC OUTLET HEADER ISOLATION	05/18/94	025849
21	03	3-1303-02	SHRUBBER ISOLATION CONDENSER LINE 3-1303-12*	05/16/94	021244
22	03	3-1402-24A	OPERATOR MOV 1402-24A	05/05/94	019993

OBS	DESCRIPTION
1	REQUESTED--- LEAK TEST CRD THAT WAS RESULT UNDER WR 13302---
2	REQUESTED--- LEAK TEST CRD #73 RESULT UNDER WR # 11700---
3	REQUESTED--- LEAK TEST CRD #88 RESULT UNDER WR#11593---
4	REQUESTED--- PERFORM 5 TEMP INSPECTION OF BKV CUBICLE FOR 2" O' COBW HORN ON BUS 24.---
5	REQUESTED--- RESET BOTH SWAY BRACKS TO 3/4" (+/- 1/2" TOL).---
6	REQUESTED--- CHECK/ADJUST PACKING.---
7	REQUESTED--- CHECK/ADJUST PACKING.---
8	REQUESTED--- CHECK/ADJUST PACKING.---
9	REQUESTED--- "A" AND "N" LOOP THERMOCOUPLES HAVE FAILED HIGH CAUSING ISOLATION OF BDC SYS---
10	REQUESTED--- PERFORM REFUEL PH SWAY CHECKING AIR FITTINGS ARE TIGHT + TORQUE CONE WOTE + BUNK
11	REQUESTED--- LOCKNUTS BETWEEN ORNL IRON SUPPORT + THE SPRING CAN ARE PACKED OFF. TIGHTEN NO
12	REQUESTED--- REMOVE FOR TEST AND REINSTALL. PER DWP 0240-35---
13	REQUESTED--- INSTALL BOLT WHICH IS THE CORRECT LENGTH, THE CURRENT BOLT HAS A STACK OF WASHER-
14	REQUESTED--- INSTALL PROPER SIZE BOLT SO THAT WASHERS DON'T HAVE TO BE BOLDED ON FIVE CLAMP-
15	REQUESTED--- REPLACE SPRK WITH NEWER MODEL TO PREVENT RESET PROBLEMS-23R13---
16	REQUESTED--- REPLACE SPRING PACK.---
17	REQUESTED--- REMOVE STEM PROTECTOR AND GREASE VALVE STEM.---
18	REQUESTED--- PERFORM REFUEL PH SWAY OF LIMITING OPERATOR 1001-5B---
19	REQUESTED--- REPLACE SPRING PACK WITH PART 0901-211.---
20	REQUESTED--- INSPECT AND REPAIR VALVE.---
21	REQUESTED--- REMOVE FOR TEST AND REINSTALL. PER DWP 0240-35---
22	REQUESTED--- PLEASE REPLACE SPRING PACK AND INSTALL GREASE RELIEF MOV 3-1402-24A---

SELECTION CRITERIA: MAINI CDMF DATE IN RANGE OF '05/01/94' THRU '05/31/94' KUC SAFE EQ '\*Y\*' JOB CODE STARTS WITH '\*P\*'

DBS	UNIT	EFN	ETO DESCRIPTION	MAINT	
				CDMF DATE	WORK REQ
23	03	3-1402-24A	VALVE NO A CORE SPRAY DISCHARGE	05/06/94	022138
24	03	3-1402-25A	OPERATOR MOV 1402-25A	05/06/94	019904
25	03	3-1402-25A	VALVE NO A CORE SPRAY DISCH OUTSIDE ISOLATION	05/06/94	002650
26	03	3-1402-3A	OPERATOR MOV 1402-3A	05/05/94	019898
27	03	3-1402-3A	OPERATOR MOV 1402-3A	05/06/94	019899
28	03	3-1402-3A	MOTOR MOV 1402-3A	05/05/94	019898
29	03	3-1402-4A	OPERATOR MOV 1402-4A	05/04/94	022352
30	03	0-340-26	SUPPORT LOAD 1003-12" CLASS 2 W-3409-26	05/18/94	023656
31	03	3-1402-02	SHOBBEN CORE SPRAY LINE 3-1402-02	05/12/94	020382
32	03	3-1501-000R	DOOR CCSW VAULT ROOM	05/23/94	008766
33	03	3-1501-11B	VALVE MANGAL GATE B LPCI HEAT EXCHANGER INLET	05/16/94	026051
34	03	3-1501-11A	OPERATOR MOV 1501-11A	05/12/94	020558
35	03	3-1501-11B	OPERATOR MOV 1501-11B	05/05/94	019244
36	03	3-1501-13A	OPERATOR MOV 1501-13A	05/06/94	019901
37	03	3-1501-13A	VALVE NO GATE A LPCI LOOP MIN FLOW	05/02/94	002662
38	03	3-1501-18A	VALVE NO GLOBE A LPCI TORUS SPRAY HDR OUTRD	05/16/94	002658
39	03	3-1501-18B	VALVE NO GLOBE B LPCI TORUS SPRAY HDR OUTRD	05/16/94	022135
40	03	3-1501-19A	VALVE NO GATE A LPCI TORUS SPRAY HDR INRD	05/16/94	002660
41	03	3-1501-19B	VALVE NO GATE B LPCI TORUS SPRAY HDR INRD	05/17/94	002661
42	03	3-1501-20A	OPERATOR MOV 1501-20A	05/03/94	019999
43	03	3-1501-21B	OPERATOR MOV 1501-21B	05/18/94	021607
44	03	3-1501-22B	OPERATOR MOV 1501-22B	05/09/94	019987

DBS	DESCRIPTION
23	REQUESTED--- INSTALL LIVE LOAD PACKING.-----
24	REQUESTED--- PLEASE CHANGE SPRING PACK WITH PART 0701-212. MOV 3-1402-25A-----
25	REQUESTED--- REPACK VALVE-----
26	REQUESTED--- DISCONNECT AND RECONNECT FOR MR WORK ON MR 01/98. REPLACE MOTOR SI 791625.-----
27	REQUESTED--- REPLACE SPRING PACK.-----
28	REQUESTED--- PLEASE DISCONNECT AND CONNECT FOR MR WORK ON 01/98 AND REPLACE MOTOR SI 791625.-----
29	REQUESTED--- REPLACE MOTOR PINION KEY WITH 4140 MATERIAL. TIGHTEN ACTUATOR UPPER HOUSING.-----
30	REQUESTED--- REPAIR SPALLED CONCRETE AT EDGE OF BASEPLATE.-----
31	REQUESTED--- REMOVE AND REINSTALL PER DMP 0040-35.-----
32	REQUESTED--- SUBMARINE VAULT DOOR NEEDS TO BE ADJUSTED.-----
33	REQUESTED--- VALVE CANNOT BE OPENED. REPAIR.-----
34	REQUESTED--- REPLACE EXISTING SPRING PACK AND INSTALL GREASE RELIEF MOV 3-1501-11A.-----
35	REQUESTED--- PERFORM REFUEL FM SURV OF LIMITORQUE OPERATOR 1501-11B.-----
36	REQUESTED--- DISCONNECT AND RECONNECT FOR MR WORK.-----
37	REQUESTED--- INSTALL LIVE LOAD PACKING.-----
38	REQUESTED--- INSTALL LIVE LOAD PACKING.-----
39	REQUESTED--- INSTALL LIVE LOAD PACKING.-----
40	REQUESTED--- INSTALL LIVE LOAD.-----
41	REQUESTED--- INSTALL LIVE LOAD PACKING IN THE 1501-19B VLV INSTALL SPRINGS IF AVAILABLE.-----
42	REQUESTED--- DISCONNECT AND RECONNECT FOR MR WORK.-----MOV 3-1501-20A.-----
43	REQUESTED--- PERFORM REFUEL FM SURV OF LIMITORQUE VALVE OPERATOR 1501-21B.-----
44	REQUESTED--- PERFORM REFUEL FM SURV OF LIMITORQUE OPERATOR 1501-22B.-----

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF '05/01/94' THRU '05/31/94' NUC SAFE EQ '\*Y\*' JOB CODE STARTS WITH '\*P\*'

QBS	UNIT	EPN	EID DESCRIPTION	MAINT COMP DATE	WORK REQ
45	03	3-1501-27A	OPERATOR NOV 1501-27A	05/18/94	D21381
46	03	3-1501-27B	OPERATOR NOV 1501-27B	05/03/94	D19243
47	03	3-1501-27E	OPERATOR NOV 1501-27E	05/03/94	D20559
48	03	3-1501-28A	OPERATOR NOV 1501-28A	05/26/94	D21382
49	03	3-1501-28E	OPERATOR NOV 1501-28E	05/16/94	D19242
50	03	3-1501-28B	OPERATOR NOV 1501-28B	05/18/94	D19914
51	03	3-1501-32E	VALVE NO GATE LFCI DISCHARGE WAGON CRUSSTIE	05/05/94	D21134
52	03	3-1501-38A	OPERATOR NOV 1501-38A	05/06/94	D22396
53	03	3-1501-38E	OPERATOR NOV 1501-38E	05/16/94	D19917
54	03	3-1501-5A	OPERATOR NOV 1501-5A	05/02/94	D19997
55	03	3-1501-5E	OPERATOR NOV 1501-5E	05/16/94	D19334
56	03	3-1501-5C	OPERATOR NOV 1501-5C	05/03/94	D19998
57	03	3-1501-5D	OPERATOR NOV 1501-5D	05/11/94	D19325
58	03	M-3413-03	SUPPORT LFCIAD 1509-16' CLASS 2 M-3413-03	05/18/94	D25967
59	03	M-3408-20	SUPPORT LFCIAD 1522-14' CLASS 2 M-3408-20	05/18/94	D25090
60	03	M-3413-17	SUPPORT LFCIAD 1521-18' CLASS 2 M-3413-17	05/16/94	D25677
61	03	3-2001-31	SNUBBER HFCL LINE	05/06/94	D20361
62	03	3-2001A-42	SNUBBER MAIN STEAM LINE 3-2001	05/01/94	D20353
63	03	3-2001A-45	SNUBBER MAIN STEAM LINE 3-2001A-20'	05/06/94	D20540
64	03	3-2001B-41	SNUBBER MAIN STEAM LINE 3-2001B-20'	05/17/94	D20352
65	03	3-2019D-54	SNUBBER SAFETY RELIEF VALVE LINE 3-2019D-8'	05/06/94	D20416
66	03	3-2019D-55	SNUBBER SAFETY RELIEF VALVE LINE 3-2019D-8'	05/06/94	D20415

QBS	DESCRIPTION
45	REQUESTED--- DISCONNECT AND RECONNECT FOR AND SUPPORT. NOV 1501-27A---
46	REQUESTED--- PERFORM REFUEL EQ SURV OF LIMITORQUE OPERATOR 1501-27E---
47	REQUESTED--- REPLACE EXISTING SPRING PACK AND INSTALL GREASE RELIEF NOV 3-1501-27E---
48	REQUESTED--- DISCONNECT AND RECONNECT TO SUPPORT AND WORK.---
49	REQUESTED--- PERFORM REFUEL EQ SURV OF LIMITORQUE OPERATOR 1501-28B---
50	REQUESTED--- INSTALL GREASE RELIEF WITH PART 0501-18A NOV 3-1501-28B---
51	REQUESTED--- INSTALL LIVE LOAD PACKING.---
52	REQUESTED--- REPLACE SPRING PACK WITH PT. #1101-211 (S.L. 4794524).---
53	REQUESTED--- REPLACE SPRING PACK AND INSTALL GREASE RELIEF NOV 3 1501-38B---
54	REQUESTED--- DISCONNECT AND RECONNECT FOR MR WORK---NOV 3-1501-5A---
55	REQUESTED--- PERFORM REFUEL FM SURV OF LIMITORQUE OPERATOR 1501-5B---
56	REQUESTED--- DISCONNECT AND RECONNECT FOR MR WORK---NOV 3-1501-5C---
57	REQUESTED--- PERFORM REFUEL FM SURV OF LIMITORQUE OPERATOR 1501-5D---
58	REQUESTED--- DRILL SLIGHT HOLE AT LOWER SIDE OF STRUT. 1/4" DIA. HOLE 3/8" FROM TOE OF WELD.---
59	REQUESTED--- REMOVE SPRING NUT FROM BETWEEN CLAMP AND PIPE. REIGHTEN CLAMP TO ACHIEVE CONTACT---
60	REQUESTED--- RE-ALIGN AND TIGHTEN PIPE CLAMP. CLAMP BRACKET MAY HAVE TO BE REPLACED IF IT FRE---
61	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DWP 0040-33---
62	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DWP 0040-33---
63	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DWP 0040-33---
64	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DWP 0040-33---
65	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DWP 0040-33---
66	REQUESTED--- REMOVE FOR TEST AND REINSTALL PER DWP 0040-33---

SELECTION CRITERIA: MAINT COMP DATE IN RANGE OF \*05/01/94\* THRU \*05/31/94\* NUC SAFE EQ \*\* JOB CODE STARTS WITH \*P\*

OBS	UNIT	EPN	EID DESCRIPTION	MAINT	WORK
				COMP	REQ
				DATE	
67	03	3-3706	OPERATOR MOV KRCCW DRYWELL RETURN VALVE	05/27/94	D12616
68	03	3-6723-71098	SWITCHGEAR BREAKER 4KV	05/10/94	D19486
69	03	3-7328-TR438	TRANSFORMER SUBSTATION 480 V #38 SYSTEM #16C	05/07/94	D19715
70	03	3-7338-6D	SWGR BRK DW COOLER BLOWER 3-5734-G	05/11/94	D19226
71	03	3-7339-4B	SWGR BRK RX BLDG MCC 39-3 3-7839-3F5	05/10/94	D21694
72	03	3-7339-5A	SWGR BRK S TURB RM VENT FAN 3-5702-B	05/12/94	D21639
73	03	3-7339-6A	SWGR BRK RX BLDG MCC 3-7839-5A1 3-7839-6A1	05/11/94	D21746
74	03	3-7830-10A	SWGR BRK SDC RETURN ISOL VLV 3-1001-3B	05/22/94	D19170
75	03	3-7830-16C	SWGR BRK SHUTDOWN COOLING RTR ISOL 3-1001-5A	05/26/94	D19166
76	03	3-7830-16A	SWGR BRK SDC INLET ISOL VLV 3-1001-1A	05/24/94	D19163
77	03	3-8303A-701	SWGR BRK SDC RP SUOT VLV 3-1001-2B	05/09/94	D25679

OBS	DESCRIPTION
67	REQUESTED--- PERFORM GREASE INSPECTION 3-3706 MOV-----
68	REQUESTED--- PERFORM REFUEL PM SURV OF 4KV BREAKER ASSIGNED TO BUSES 33/34.-----
69	REQUESTED--- CLEAN TRANSFORMER COOLING FINS AND FANS-----
70	REQUESTED--- PERFORM REFUEL PM SURV OF BRK + CUBICLE AT BUS 38.-----
71	REQUESTED--- PERFORM 480V. BREAKER SURVEILLANCE AND UPGRADE TRIP DEVICE TO RMS-9.-----
72	REQUESTED--- PERFORM 5 YR INSPECTION OF 480 V BREAKER FOR 38 SOUTH TURBINE VENT FAN (3-5702-B
73	REQUESTED--- PERFORM 480V BREAKER SURVEILLANCE AND TRIP DEVICE UPGRADE TO RMS-9-----
74	REQUESTED--- PERFORM REFUEL PM SURV OF BRK + CUBICLE AT MCC 38-1-----
75	REQUESTED--- PERFORM REFUEL PM SURV OF BRK + CUBICLE AT MCC 38-1-----
76	REQUESTED--- PERFORM REFUEL PM SURV OF BRK + CUBICLE AT MCC 38-1-----
77	REQUESTED--- TERMINAL STRIP BROKEN BETWEEN S1 + F2. REPLACE TERMINAL BLOCK OR REMOVE JUMPER-

## 5.2 Safety Related Maintenance (Unit 2 and 3)

5.2.2 Safety related corrective maintenance activities for May, 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 \*05/01/94\* THRU \*05/31/94\* MUC SAFE EQ \*Y\* JOB CODE STARTS WITH \*C\*

ORS	UNIT	EPN	EID DESCRIPTION	MAINT	
				COMP DATE	WORK REQ
1	02	2-302-3-B	PUMP CENTRIFUGAL 2B CONTROL ROD DRIVE	05/13/94	025850
2	02	M-11630-79	SUPPORT ISCOSS 1302-14" CLASS 2 M-11630-79	05/02/94	025855
3	02	M-11630-52	SUPPORT ISCO 1303A-8" CLASS 3 M-11630-52	05/02/94	025854
4	02	2-1501-44C	PUMP CENTRIFUGAL C CONTAINMENT CLG SERV WIR	05/31/94	022183
5	02	2-1554J	SWITCH B LPCI PUMP DISCHARGE PRESSURE	05/27/94	022937
6	02	2-1600-000R	DOOR PERSONNEL INTERLOCK DRYWELL	05/02/94	025871
7	03	M-11930-1011	SUPPORT RRAD 0201B-22" CLASS 1 M-11930-1011	05/12/94	025676
8	03	3-0202-F	PUMP B REACTOR RECIRCULATING	05/06/94	017993
9	03	3-305-126	VALVE AD HCU SCRAM INLET #126	05/05/94	025761
10	03	3-0399-524B	SOLENOID ATWS ARI	05/24/94	021901
11	03	3-0760C	ELEMENT IRM 12 DETECTOR	05/24/94	026147
12	03	M-11900-271	SUPPORT SBLC 1102-1.5" CLASS 1 M-11900-271	05/04/94	025659
13	03	3-1400-A	CORE SPRAY SYSTEM A H2SO	05/02/94	017091
14	03	M-3404-06	SUPPORT CSBS 1401-16" CLASS 2 M-3404-06	05/03/94	025415
15	03	3-1402-36A	VALVE STOP CHECK A CORE SPRAY DISCH HDR FILL	05/05/94	015817
16	03	M-3409-27	SUPPORT CSBD 1403-12" CLASS 2 M-3409-27	05/03/94	025419
17	03	M-3409-29	SUPPORT CSBD 1403-12" CLASS 2 M-3409-29	05/03/94	025417
18	03	M-3408-03	SUPPORT CSAD 1404-12" CLASS 2 M-3408-03	05/16/94	025658
19	03	3-1501-12A	VALVE MANUAL GATE A LPCI HEAT EXCHANGE OUTLET	05/12/94	021397
20	03	M-12000-293	SUPPORT CCSW 1510-16" CLASS 3 M-12000-293	05/12/94	025674
21	03	M-12000-251	SUPPORT CCSW 1514C-10" CLASS 3 M-12000-251	05/19/94	024741

ORS	DESCRIPTION
1	REQUESTED--- OILER IS SLOWLY LOSING OIL AND HAS TO BE FILLED OFTEN. MODIFY PIPING.-----
2	REQUESTED--- LOOSE LOCK NUTS ON ISCO SUPPORT ON STEAM SUPPLY LINE. TIGHTEN AT BOTH ENDS OF ST
3	REQUESTED--- CENTER PIPE CLAMP PADDLE ON ISCO SUPPORT ON CONDENSATE RETURN LINE.-----
4	REQUESTED--- ELBOW FITTING ON OUTBOARD CYCLONE SEPARATOR LEAKS. PLEASE REPAIR LEAK.-----
5	REQUESTED--- WHILE PERFORMING DIS 207-01 FOUND TERMINALS IN SWITCH CORRODED. REPAIR/REPLACE.
6	REQUESTED--- REMOVE/REPLACE STROGBACK AND PERFORM INSPECTION OF DOORS-----
7	REQUESTED--- TIGHTEN LOAD BOLT ON CLAMP. NUT IS BACKED OFF 3/4".-----
8	REQUESTED--- REBUILD AND TEST *SPARE* SEAL FOR INSTALLATION IN UNIT 3 (OUTAGE)-----
9	REQUESTED--- INSTALL TWO NUTS ON SCRAM VLV AIR DIAPHRAM BONNET. NUTS ARE MISSING AND AIR IS--
10	REQUESTED--- ARI SOLENOID 3-0399-524B IS LEAKING AIR. PLEASE REPAIR.-----
11	REQUESTED--- REPLACE IRM 12 DRY TUBE WITH NEW DRY TUBE DURING D3R13-----
12	REQUESTED--- TIGHTEN LOOSE U-BOLT NUT-----
13	REQUESTED--- REPLACE MISSING PIPE CLAMP ON UNISTRUT-SEE WR FOR LOCATION-----
14	REQUESTED--- SHIM BASEPLATE AND GAP BETWEEN PIPE AND SUPPORT STEEL PER DIRECTION OF SEC-----
15	REQUESTED--- VLV HAS LARGE PACKING LEAK-REPAIR-----
16	REQUESTED--- TIGHTEN LOCK NUT UNTIL IT MAKE CONTACT WITH THE PIPE CLAMP AND INSTALL A LOCK BU
17	REQUESTED--- TIGHTEN LOCKNUT ON TOP OF TURNBUCKLE AND TIGHTEN CLAMP SO THAT CONTACT IS MADE--
18	REQUESTED--- REALIGN AND RESTAKE SWIVEL BUSHING. READJUST STRUT TO PROVIDE PROPER THREAD ENGA
19	REQUESTED--- HOLE TO BONNET BOLTS DO NOT HAVE FULL THREAD ENGAGEMENT. REPAIR/REPLACE AS NEDD
20	REQUESTED--- TIGHTEN CLAMP SO THAT SPACER IS TIGHT + BOTTOM BOLT HAVE FULL ENGAGEMENT.-----
21	REQUESTED--- PIPE CLAMP IS ROTATED ON PIPE. LOOSEN CLAMP. REALIGN AND TIGHTEN CLAMP.-----