

OPERATING DATA REPORT

DOCKET NO. 050-237

DATE July 5, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden II
2. Reporting Period: June, 1984
3. Licensed Thermal Power (MWt): 2,527
4. Nameplate Rating (Gross MWe): 828
5. Design Electrical Rating (Net MWe): 794
6. Maximum Dependable Capacity (Gross MWe): 812
7. Maximum Dependable Capacity (Net MWe): 772
8. If Changes Occur in Capacity Ratings (Items 3 Through 7) Since Last Report, Give Reasons: N/A

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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>4367</u>	<u>123,887</u>
12. Number of Hours Reactor Was Critical	<u>555.4</u>	<u>4202.4</u>	<u>96,426.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>495.3</u>	<u>4120.5</u>	<u>95,026.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,184,810</u>	<u>9,858,496</u>	<u>186,553,132</u>
17. Gross Electrical Energy Generated (MWH)	<u>378,824</u>	<u>3,206,017</u>	<u>59,708,216</u>
18. Net Electrical Energy Generated (MWH)	<u>355,303</u>	<u>3,044,084</u>	<u>56,432,348</u>
19. Unit Service Factor	<u>68.79</u>	<u>94.0</u>	<u>77.0</u>
20. Unit Availability Factor	<u>68.79</u>	<u>94.0</u>	<u>77.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>63.92</u>	<u>90.0</u>	<u>59.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>62.15</u>	<u>88.0</u>	<u>57.0</u>
23. Unit Forced Outage Rate	<u>31.21</u>	<u>6.0</u>	<u>11.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>September 3, 1984 for refueling</u>		

25. If Shut Down At End Of Report Period. Estimated Date of Startup: July 1, 1984

8407180158 840630
PDR ADOCK 05000237
R PDR

IE24
11

OPERATING DATA REPORT

DOCKET NO. 050-249

DATE July 5, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: June, 1984
3. Licensed Thermal Power (MWt): 2,527
4. Nameplate Rating (Gross MWe): 828
5. Design Electrical Rating (Net MWe): 794
6. Maximum Dependable Capacity (Gross MWe): 812
7. Maximum Dependable Capacity (Net MWe): 773
8. If Changes Occur in Capacity Ratings (Items 3 Through 7) Since Last Report, Give Reasons:
N/A

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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	720	4,367	113,472
12. Number of Hours Reactor Was Critical	0	326.1	83,171.1
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	0	79,861.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	159,961,098
17. Gross Electrical Energy Generated (MWH)	0	0	51,952,919
18. Net Electrical Energy Generated (MWH)	-7452	29,853	49,200,731
19. Unit Service Factor	0	0	70.0
20. Unit Availability Factor	0	0	70.0
21. Unit Capacity Factor (Using MDC Net)	0	0	56.0
22. Unit Capacity Factor (Using DER Net)	0	0	55.0
23. Unit Forced Outage Rate	0	0	13.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: Late July, 1984

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June, 1984DOCKET NO. 050-237UNIT NAME Dresden IIDATE July 5, 1984COMPLETED BY B. A. SchroederTELEPHONE (815) 942-2920

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
2	84-6-21	F	224.6	A	3	---	--	--	2A feed regulator (valve) operator stem became separated from the valve stem. Reactor scrambled on low water level. Valve repaired.

1

F: Forced
S: Scheduled

2

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

3

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

4

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-249UNIT NAME Dresden IIIDATE July 5, 1984COMPLETED BY B. A. SchroederTELEPHONE (815) 942-2920REPORT MONTH June, 1984

NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR ³	LICENSEE EVENT REPORT #	SYSTEM CODE ⁴	COMPONENT CODE ⁵	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
8	83-9-30	S	720	C	1	--	--	--	Main turbine repair.

1

F: Forced
S: Scheduled

2

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

3

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

4

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT II

DATE July 5, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH June, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>555</u>
2	<u>613</u>
3	<u>725</u>
4	<u>761</u>
5	<u>768</u>
6	<u>767</u>
7	<u>765</u>
8	<u>767</u>
9	<u>691</u>
10	<u>754</u>
11	<u>756</u>
12	<u>763</u>
13	<u>763</u>
14	<u>753</u>
15	<u>775</u>
16	<u>612</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>708</u>
18	<u>752</u>
19	<u>765</u>
20	<u>762</u>
21	<u>482</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>---</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT III

DATE July 5, 1983

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH June, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>--</u>

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - JUNE, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Refuel Grapple	Preventive W.R. #34665	---	N/A	N/A	Adjusted up and down mast speed control.
M02-1301-2 Valve	Preventive W.R. #35382	---	N/A	N/A	Replaced overload relay and overload heaters.
Accumulator #06-31 Press Fitting	Preventive W.R. #34093	---	N/A	N/A	Replaced accumulator.
Refuel Grapple	Preventive W.R. #32765	---	N/A	N/A	Installed jumper.
M02-1201-2 Local Con- trol Station Light Bulb	Preventive W.R. #33931	---	N/A	N/A	Cleaned contact point inside of socket and relamped.
Accumulator #34-11	Preventive W.R. #33962	---	N/A	N/A	Replaced switch.
Accumulator #34-39 (J-10)	Preventive W.R. #34180	---	N/A	N/A	Recalibrated alarm to proper set point.
LPRM Group II	Preventive W.R. #35105	---	N/A	N/A	Replaced switch assembly.
Accumulator #14-43	Preventive W.R. #35668	---	N/A	N/A	Replaced accumulator and 2 o-rings.
2A LPCI Heat Exchanger	Preventive W.R. #35616	---	N/A	N/A	Adjusted nuts.

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - JUNE, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Offgas Log Rad Monitor 1705-3A	Preventive W.R. #31768	---	N/A	N/A	Repaired and calibrated spare rad monitor.
Accumulator #34-39, EPN #2-0305-130	Preventive W.R. #34998	---	N/A	N/A	Recalibrated accumulator pressure switch.
MO1301-2	Preventive W.R. #35475	---	N/A	N/A	Investigated MO valve tripping problem. No abnormality noted.
D/G Cooling Water PP Alarm	Preventive W.R. #34424	---	N/A	N/A	Repaired a defective alarm card.
2-2301-10 HPCI Test Discharge to Cond.Storage	Preventive W.R. #35273	---	N/A	N/A	Investigated ground problem. Removed and dried out water found in switch junction box.
MO2-1301-2	Preventive W.R. #35317	---	N/A	N/A	Investigated MO valve tripping problem. Tightened loose terminal point and lubed as needed.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - JUNE, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
D3 MSIV Pilot Valve, EPN #3-203-2B	Preventive W.R. #27919	---	N/A	N/A	Rebuilt and tested 3-way and 4-way pilot valve.
LPRM Four Rod Display	Preventive W.R. #33773	---	N/A	N/A	Replaced quad trip card in Z28.
U3 IRM #18, EPN #RE3-760H	Preventive W.R. #34451	---	N/A	N/A	Replaced detector.
B-Loop (Weld 28-15) U3 Rx Recirc Piping Overlay	Preventive W.R. #33623	---	N/A	N/A	Removed and replaced obstructions to allow weld overlay.
Weld #28-6 Rx Recirc. System Support	Preventive W.R. #32796	---	N/A	N/A	Removed and replaced 8" I beam to allow weld overlay.
3 "A" SBLC Pump, EPN #D3-1102A	Preventive W.R. #33735	---	N/A	N/A	Replaced 3 bushings - 1 set of packing.
3-A Recirc. Pipe 28-10	Preventive W.R. #33756	---	N/A	N/A	Removed core samples.
Drywell D3 Personal/ Equip. Door	Preventive W.R. #27890	---	N/A	N/A	Inspected personal and equipment hatch.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - JUNE, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
3-1503-B LPCI Heat Exchanger	Preventive W.R. #27849	---	N/A	N/A	Removed and replaced heads for cleaning.
AO-3-220-47	Preventive W.R. #34689	---	N/A	N/A	Installed new air diaphragm and air regulator.
HPCI Check Valve 3-2301-39	Preventive W.R. #28337	---	N/A	N/A	Removed and replaced top cover from valve.
D3-1301-10 Valve	Preventive W.R. #23288	---	N/A	N/A	Repacked valve with grafoil packing.
3-1402-25A	Preventive W.R. #33722	---	N/A	N/A	Installed limitorque operator.
AO-3-1402-9A Drain Valves	Preventive W.R. #31761	---	N/A	N/A	Removed drain valves and cap.
Local Control Head Spray MO3-205-2-4	Preventive W.R. #33225	---	N/A	N/A	Relamped and cycled valve to verify proper light indication.
MO-3-1501-27B	Preventive W.R. #33676	---	N/A	N/A	Replaced auxiliary contacts.
RBCCW Return from Drywell MO3-3706	Preventive W.R. #29174	---	N/A	N/A	Replaced valve operator.
Torus to Drywell Vacuum Breakers	Preventive W.R. #30530	---	N/A	N/A	Removed and installed vacuum breaker.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - JUNE, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Torus to Drywell Vacuum Breakers	Preventive W.R. #30806	---	N/A	N/A	Removed and installed vacuum breakers.
D3 600 PSI Bypass Scram P53-263-51A and B	Preventive W.R. #34077	---	N/A	N/A	Investigated full scram problem. Replaced defective jumper.
Drywell High Rad Monitor, EPN #3-2419- A or B	Preventive W.R. #31329	---	N/A	N/A	Investigated and repaired defective diodes.
LPRM #16-33A	Preventive W.R. #34469	---	N/A	N/A	Repaired defective connector.
U3 480V Bus Nos. 35,36, 37,38 and 39	Preventive W.R. #30685	---	N/A	N/A	Installed and removed jumpers.
Core Spray MO3-1402-25C	Preventive W.R. #33227	---	N/A	N/A	Replaced defective indicating light.
3-1402-25A	Preventive W.R. #33708	---	N/A	N/A	Removed valve operator so it can be used on Unit 2.

SUMMARY OF OPERATING EXPERIENCE

UNIT ONE

JUNE, 1984

The status of Unit 1 remains shutdown with all fuel removed. The environment and equipment continues to be maintained as needed.

Chemical cleaning has essentially been unchanged since the last monthly report (December, 1982) about Unit 1. Recently there has been an increase in activity. Presently all systems are undergoing preoperational checks plus the training of operators at the controls. A number of preoperational tests still remain and are expected to be completed shortly.

A defective discharge outlet (cracked) on the concentrator recirculation pump may delay the commencement of chemical cleaning (scheduled for late July, 1984). A number of Inservice Inspections have already been performed (Ultrasonic Inspection) to verify the condition of important welds.

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

JUNE, 1984

- 06-01 to 06-21 Unit 2 entered the month operating at a power level of 808 MWe and operated continuously until the 21st when the 2A feed regulating valve failed causing low reactor water level followed by a reactor scram. The valve operator stem separated from the valve stem causing the valve to go shut.
- 06-21 to 06-30 Repairs were made to the 2A feed regulating valve. While in the process of starting up, problems developed with the cleanup auxiliary pump (bearing problems). In addition, when an outage was taken on an instrument bus feed breaker to repair some limit switches (2301-65), the reactor operator noted that several chart recorders and valve indications were also de-energized. Initial investigation has indicated that a proposed wiring change in 1969 was never completed. A special test of five additional circuits were tested and compared to the wiring/schematic diagram and no similar discrepancies were noted. (Reactor was shutdown until the investigation and tests were completed.)

During this shutdown period, the required 6 month (± 25%) snubber inspection was performed on the inaccessible snubbers that were found inoperative during the previous refueling outage. All inaccessible snubbers were visually inspected and no adverse conditions noted.

The unit remained off-line through the end of the period. The unit achieved a capacity factor of 63.08% and an availability of 68.8%.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

JUNE, 1984

06-01 to 06-30 Unit 3 remained shutdown and off-line the entire period. Work on the main turbine (H.P. rotor) continues. The rotor has been placed back in the casing with final assembly in progress.

The unit is expected to return to service sometime late July, 1984.

UNIQUE REPORTING REQUIREMENTS

MAIN STEAM RELIEF VALVE OPERATIONS

Relief valve operations during the reporting period 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>Valves Actuated</u>	<u>No. & Type Actuations</u>	<u>Plant Conditions</u>	<u>Description of Events</u>
1	06-01-84 to 06-30-84	None			
2	" "	None			
3	" "	None			



Commonwealth Edison

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

Telephone 815/942-2920

July 5, 1984

DJS LTR: 84-669

Director, Office of Inspection
and Enforcement
United States Nuclear Regulatory
Commission
Washington, D.C. 20555

Attention: Document Control Desk

Dear Sir:

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

Sincerely,

D. J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS:BAS:hjb

Enclosure

cc: Region III, Regulatory Operations, U.S. NRC
Chief, Division Nuclear Safety, State of IL
U.S. NRC, Document Management Branch
Nuclear Licensing Administrator
Nuc. Sta. Div. Vice Pres.
Manager, Tech. Serv. Nuc. Sta.
Tech. Staff EA
On-Site NRC Inspector
Sta. Nuc. Eng. Dept.
Comptroller's Office
PIP Coordinator
INPO Records Center
File/NRC Op. Data
File/Numerical

IE24
11