

# OPERATING DATA REPORT

DOCKET NO. 050-237

DATE December 4, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

## OPERATING STATUS

### NOTES

1. Unit Name: Dresden II
2. Reporting Period: November, 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>8040</u>	<u>127,560</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>6511.4</u>	<u>98,735.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>6,403.5</u>	<u>92,309.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>14,643,422</u>	<u>191,338,058</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>4,701,587</u>	<u>61,203,786</u>
18. Net Electrical Energy Generated (MWH)	<u>-5239</u>	<u>4,463,118</u>	<u>57,581,384</u>
19. Unit Service Factor	<u>0</u>	<u>79.65</u>	<u>76.29</u>
20. Unit Availability Factor	<u>0</u>	<u>79.65</u>	<u>76.29</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>71.91</u>	<u>58.75</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>69.91</u>	<u>57.12</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>4.33</u>	<u>11.22</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>N/A</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: Mid-January, 1985

8412170061 841130  
PDR ADOCK 05000237  
R PDR

IE24  
1/1

# OPERATING DATA REPORT

DOCKET NO. 050-249

DATE December 4, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

## OPERATING STATUS

### NOTES

1. Unit Name: Dresden III
2. Reporting Period: November, 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	<u>720</u>	<u>8,040</u>	<u>117,145</u>
12. Number of Hours Reactor Was Critical	<u>700.5</u>	<u>3,144.9</u>	<u>85,989.9</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>684.2</u>	<u>2567.1</u>	<u>82,428.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,593,012</u>	<u>5,324,722</u>	<u>165,285,820</u>
17. Gross Electrical Energy Generated (MWH)	<u>517,812</u>	<u>1,658,821</u>	<u>53,611,740</u>
18. Net Electrical Energy Generated (MWH)	<u>494,813</u>	<u>1,550,406</u>	<u>50,780,990</u>
19. Unit Service Factor	<u>95.03</u>	<u>31.93</u>	<u>70.36</u>
20. Unit Availability Factor	<u>95.03</u>	<u>31.93</u>	<u>70.36</u>
21. Unit Capacity Factor (Using MDC Net)	<u>88.91</u>	<u>24.95</u>	<u>56.08</u>
22. Unit Capacity Factor (Using DER Net)	<u>86.55</u>	<u>24.29</u>	<u>54.60</u>
23. Unit Forced Outage Rate	<u>4.98</u>	<u>17.60</u>	<u>12.83</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

N/A

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER, 1984DOCKET NO. 050-237UNIT NAME Dresden IIDATE December 4, 1984COMPLETED BY B. A. SchroederTELEPHONE (815) 942-2920

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
5	84-10-05	S	720	C	1	--	--	--	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 & License Examination  
F-Administrative  
G-Operational Error  
H-Other (Explain)

3

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

4

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-249UNIT NAME Dresden IIIDATE December 4, 1984COMPLETED BY B. A. SchroederTELEPHONE (815) 942-2920REPORT MONTH NOVEMBER, 1984

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSEE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
10	84-10-26	F	19.5	A	3	--	--	--	Low condenser vacuum

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. 50-237

UNIT Dresden II

DATE December 4, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH November, 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>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-249

UNIT Dresden III

DATE December 4, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH November, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>181</u>
3	<u>464</u>
4	<u>630</u>
5	<u>732</u>
6	<u>769</u>
7	<u>790</u>
8	<u>758</u>
9	<u>759</u>
10	<u>718</u>
11	<u>775</u>
12	<u>768</u>
13	<u>782</u>
14	<u>774</u>
15	<u>768</u>
16	<u>759</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>746</u>
18	<u>712</u>
19	<u>725</u>
20	<u>724</u>
21	<u>738</u>
22	<u>755</u>
23	<u>752</u>
24	<u>744</u>
25	<u>710</u>
26	<u>726</u>
27	<u>723</u>
28	<u>725</u>
29	<u>820</u>
30	<u>767</u>
31	<u>---</u>



DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Test Gauge	Preventive W.R. #36830	---	N/A	N/A	Replaced and calibrated gauge.
APRM 6, LPRM 8-17 (D)	Preventive W.R. 36367	---	N/A	N/A	Ran Plateau and repaired as necessary.
LPRM 16-41A (41)	Preventive W.R. #35644	---	N/A	N/A	Ran plateau and repaired as necessary.
LPRM 24-57 Level C	Preventive W.R. #36936	---	N/A	N/A	Found problem in LPRM and replaced card and calibrated.
Core Spray 50# Low Header Pressure Switch EPN #2-1467B	Preventive W.R. #37380	---	N/A	N/A	Replaced pressure switch with new one.
HPCI Turbine Exhaust Drain Pot Thermal Trap, EPN #2-2301-1	Preventive W.R. #32387	---	N/A	N/A	Repaired trap with repair kit. Replaced gasket.
Yarway, EPN #263-58A	Preventive W.R. #31873	---	N/A	N/A	Repacked 263-58A valve on left side.
SRM 21, EPN #2-750-2	Preventive W.R. #36785	---	N/A	N/A	Cleaned connector.
ACAD Load-Unload Control Switch	Preventive W.R. #37169	---	N/A	N/A	Investigated ACAD control switch problem - not responding. Tested and recalibrated. No problems noted.

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Suppression Pool Temp. Monitor System	Preventive W.R. #37796	---	N/A	N/A	Verified indicated temperature readings with actual temperature. Readjusted recorder as needed for proper temperature readings.
H <sub>2</sub> Monitoring System	Preventive W.R. #36292	---	N/A	N/A	Recalibrated H <sub>2</sub> monitor per vendor manual. Required on a periodic interval.
APRM #2	Preventive W.R. #37570	---	N/A	N/A	Investigated APRM problem. Repaired flow bias reference board. Calibrated and tested.
SKM 22 Ind. 5 Panel	Preventive W.R. #36738	---	N/A	N/A	Corrected a "static" problem and re- calibrated instrument.



DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
HFA Relay	Corrective W.R. #35326	---	N/A	N/A	Checked relay contacts and fuses. Relay replaced by W.R. #36973
IRM Pre-amps	Preventive W.R. #35771	---	N/A	N/A	IRM pre-amp cabinet investigated. Repairs and corrective actions will be completed by Modification #M12-3-84-51.
Heat Exchanger Discharge Valve 3-1501-3A	Preventive W.R. #36711	---	N/A	N/A	Investigated valve closure problem. Found limit switches in wrong position. Readjusted.
AO-3-1601-58	Preventive W.R. #36538	---	N/A	N/A	Investigated air leak - none found.
LPRM 40-33 Level B (6)	Preventive W.R. #37777	---	N/A	N/A	Investigated abnormally high TIP trace reading. Performed DIS 700-15 to verify accuracy.
LPRM Upscale and Downscale Trips	Preventive W.R. #37154	---	N/A	N/A	Reset alarms.
LPRM 32-09B	Preventive W.R. #34390	---	N/A	N/A	Changed LPRM indicating lamp.
SRM 24, EPN #RM3-750-1D	Preventive W.R. #37534	---	N/A	N/A	Repaired connector and completed DIS 700-3 for SRM #24. Works fine.
Accumulator 58-35	Preventive W.R. #37244	---	N/A	N/A	Changed accumulator.
Accumulator 14-27 (0-7)	Preventive W.R. #33976	---	N/A	N/A	Adjusted packing.
LPRM 32-41B	Preventive W.R. #34557	---	N/A	N/A	Replaced LPRM board - tested all alarms.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Accumulator 10-23 (C-6)	Preventive W.R. #33977	---	N/A	N/A	Adjusted packing.
Yarway Level Switch LIS-263-72D	Preventive W.R. #38041	---	N/A	N/A	Replaced the bleed plug on right side. Checked for leaks and found none.
IRM Channel 18	Preventive W.R. #34572	---	N/A	N/A	Connected mode under the reactor. Detector tested ok.
HPCI Oil Filter	Preventive W.R. #37889	---	N/A	N/A	Cleaned oil filter and installed new O-ring. Replaced filter.
IPRM Downscale, EPN #08-33A	Preventive W.R. #37469	---	N/A	N/A	Replaced bulb in back panel and tested. Works fine.
APRM Channel 1 Auxiliary Relay K5	Preventive W.R. #36837	---	N/A	N/A	Replaced K5 relay.
Accumulator 42-19	Preventive W.R. #37243	---	N/A	N/A	Changed accumulator.
HPCI Oil Filter High dp	Preventive W.R. #37835	---	N/A	N/A	Cleaned filter elements and changed O-ring.
CRD Accumulator 18-43 Position E11 127 Valve	Preventive W.R. #31082	---	N/A	N/A	Adjusted packing and lubed stem with N-5000.
System II APRM Bypass Switch	Preventive W.R. #37463	---	N/A	N/A	Replaced joy stick.
Diesel Generator Continuous Lube Oil Pump	Preventive W.R. #38673	---	N/A	N/A	Replaced motor and coupling.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
#3 Diesel Generator	Preventive W.R. #38040	---	N/A	N/A	Performed quarterly inspection during September, 1984.
3A Core Spray PP Motor	Preventive W.R. #33395	---	N/A	N/A	Repaired conduit and inspected wires.
ATWS System Junction Box	Preventive W.R. #29611	---	N/A	N/A	Replaced terminal blocks.
ACAD/CAM	Preventive W.R. #29615	---	N/A	N/A	Replaced terminal blocks.
U-3 Rx/Turbine Building Interlock	Preventive W.R. #36484	---	N/A	N/A	Adjusted magnets.
Bus 34-1 Under-voltage Trip Auxiliary Relays, EPN #127B34-1X1 and X2	Preventive W.R. #30708	---	N/A	N/A	Removed, replaced relays, and wired.
MO 3-1501-19A Valve	Preventive W.R. #33235	---	N/A	N/A	Replaced bulb.
Annunciator H-7 on 903-8, EPN #LSL3-5141-17	Preventive W.R. #37892	---	N/A	N/A	Investigated remote level indication for improper level indication. Replaced a defective reset switch and calibrated level indication.
HPCI 10 Valve, EPN #2301-10	Preventive W.R. #34648	---	N/A	N/A	Disassembled valve to repair body to bonnet leak. Repacked valve stem with new packing.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
APRM Channel 6	Preventive W.R. #34541	---	N/A	N/A	Investigated APRM alarm problem when reset switch is activated. No abnormality found.
U-3 #1 Bypass Valve, EPN #3-5641-12A and 12B	Preventive W.R. #37311	---	N/A	N/A	Investigated #1 bypass control problem. Readjusted
1501-3A Valve	Preventive W.R. #38198	---	N/A	N/A	Investigated abnormal flow indication. Recalibrated flow indication instrumentation and valve control tested.
LPRM 40-25C Channel 1	Preventive W.R. #37775	---	N/A	N/A	Investigated LPRM Hi Hi alarm problem. Performed plateau check. Recalibrated and tested.
Isolation Condenser Vent A Director Indicator	Preventive W.R. #38784	---	N/A	N/A	Repaired broken connector, recalibrated and tested radiation monitor.
LSH 3-2369 U-3 HPCI Drain Pot Turbine	Preventive W.R. #34875	---	N/A	N/A	Investigated HPCI drain pot level alarm problem. Disassembled and repaired drain pot. Calibrated and tested for proper operation.
Temporary Decontamination Feed Recirculation Piping	Preventive W.R. #30609	---	N/A	N/A	Disconnected electric feed to "D" drywell cooler. Wired feeder to decontamination equipment for reactor vessel/piping decon project.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
U-3 125 VDC System - 100 Volt Grd. on CRT #30 which is for Panel 902-24 Annun- ciator	Preventive W.R. #32291	---	N/A	N/A	Investigated 100 volt ground on 125 VDC bus. Repaired defective alarm wire on 3A recirculation pump.



SAFETY RELATED MAINTENANCE - NOVEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
RPIS Relay Cards	Preventive W.R. #30967	---	N/A	N/A	Checked spare RPIS relay cards for proper operation. Returned to Stores as spare parts.



## SUMMARY OF OPERATING EXPERIENCE

### UNIT TWO

NOVEMBER, 1984

11-01 to 11-30

Refueling outage activities continued throughout the entire period. The unit is presently scheduled to start-up sometime during mid-January, 1985. Major work includes:

- Local Leak Rate Tests
- Scram Discharge Volume Modification
- Reactor Vessel and Piping Decon
- Replacement of all LPCI Relays
- Exxon Fuel Inspection
- ISI Weld Inspection
- CRD and Control Rod Blade Work
- Jet Pump and Vessel Internal Inspection

## SUMMARY OF OPERATING EXPERIENCE

### UNIT THREE

NOVEMBER, 1984

11-01 to 11-30

Unit 3 was shutdown at the beginning of this period due to a reactor scram that occurred on 10/26/84 (caused by low condenser vacuum). The unit was brought on-line again at 11:50 a.m. of the 2nd and operated the remainder of the month (with normal power reductions for weekend surveillances) reaching a power level of 820 MWe with a capacity factor of 86.4% and an availability of 95.02%.

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>Actuations</u>	<u>Conditions</u>	<u>Description of Events</u>
2	11-01-84 to 11-30-84	None			
3	" "	None			



**Commonwealth Edison**

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

Telephone 815/942-2920

December 4, 1984

DJS LTR: 84-1346

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

Attention: Document Control Desk

Dear Sir:

Enclosed, please find Dresden Station's operating data for 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 AE  
On-Site NRC Inspector  
Sta. Nuc. Eng. Dept.  
Comptroller's Office  
PIP Coordinator  
INPO Records Center  
File/NRC Op. Data  
File/Numerical

IE24  
1/1