

# OPERATING DATA REPORT

DOCKET NO. 050-237

DATE Dec. 1, 1983

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

## OPERATING STATUS

### NOTES

1. Unit Name: Dresden II
2. Reporting Period: November, 1983
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	720	8016	118776
12. Number of Hours Reactor Was Critical	607.8	4635.62	91,493.47
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	563.92	4363.28	90,189.92
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,165,246	9,616,323	175,097,832
17. Gross Electrical Energy Generated (MWH)	375,340	3,075,451	55,963,717
18. Net Electrical Energy Generated (MWH)	354,078	2,879,500	52,876,690
19. Unit Service Factor	78.32	54.43	75.93
20. Unit Availability Factor	78.32	54.43	75.93
21. Unit Capacity Factor (Using MDC Net)	63.70	46.53	57.67
22. Unit Capacity Factor (Using DER Net)	61.94	45.24	56.07
23. Unit Forced Outage Rate	21.68	19.28	11.72
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: N/A

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# OPERATING DATA REPORT

DOCKET NO. 050-249

DATE Dec. 1, 1983

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2930

## OPERATING STATUS

### NOTES

1. Unit Name: Dresden III
2. Reporting Period: November, 1983
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>8016</u>	<u>108361</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>6454.3</u>	<u>82,845.0</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>6403.1</u>	<u>79,861.1</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>13,699,358</u>	<u>159,961,098</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>4,387,788</u>	<u>51,952,919</u>
18. Net Electrical Energy Generated (MWH)	<u>-3,349</u>	<u>4,151,502</u>	<u>49,234,147</u>
19. Unit Service Factor	<u>0</u>	<u>79.88</u>	<u>73.70</u>
20. Unit Availability Factor	<u>0</u>	<u>79.88</u>	<u>73.70</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>66.99</u>	<u>58.78</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>65.23</u>	<u>57.22</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>2.21</u>	<u>12.66</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, 1984

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER, 1983

DOCKET NO. 050-237

UNIT NAME Dresden IIDATE Dec. 1, 1983COMPLETED 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
12	83-11-11	F	68.9	B	1	--	--	--	Mid-Cycle outage for reinspec- tion of cracked recirc. welds by U.T. and steamline snubber visual reinspection.
13	83-11-16	F	28.17	A	3	--	--	--	Rx scrambled on low water level due to a failure of a discharge check valve to open on a con- densate booster pump which was just started.
14	83-11-21	F	58.48	A	1	--	--	--	Rx feedwater check valve body to cover leakage - repaired.

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. 050-249

UNIT NAME Dresden III

DATE Dec. 1, 1983

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

REPORT MONTH NOVEMBER, 1983

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
8	83-9-30	S	720	C	1	--	--	--	Refueling, ISHI, ISI and turbine overhaul 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  
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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. 050-249

UNIT III

DATE Dec. 1, 1983

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH November, 1983

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. 050-237

UNIT II

DATE Dec. 1, 1983

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH November, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>784</u>	17	<u>0</u>
2	<u>783</u>	18	<u>362</u>
3	<u>773</u>	19	<u>573</u>
4	<u>777</u>	20	<u>532</u>
5	<u>782</u>	21	<u>367</u>
6	<u>749</u>	22	<u>0</u>
7	<u>779</u>	23	<u>0</u>
8	<u>780</u>	24	<u>231</u>
9	<u>780</u>	25	<u>353</u>
10	<u>696</u>	26	<u>542</u>
11	<u>0</u>	27	<u>682</u>
12	<u>0</u>	28	<u>744</u>
13	<u>12</u>	29	<u>703</u>
14	<u>253</u>	30	<u>594</u>
15	<u>649</u>	31	<u>--</u>
16	<u>647</u>		

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - NOVEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
U2 250VDC Battery Charger	Preventive W.R. #28380	---	N/A	N/A	Investigated battery charge tripping problem.
A & B 24/48VDC Battery Chargers	Preventive W.R. #30723	---	N/A	N/A	Repaired the battery charger tripping problem.
APRM Power Supplies	Preventive W.R. #30850	---	N/A	N/A	Checked to determine proper fuse size for APRM power supply.
#3 250V Battery Charger	Preventive W.R. #30650	---	N/A	N/A	Conducted test to determine interaction between U2 250V battery charger and U3 24/48 volt battery charger.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Fuel Channels	Preventive W.R. #29958	---	N/A	N/A	Installed new channels on 184 new fuel bundles for D3C9 operation.
Scram Relays (Contractors) EPN #590-108A, B,C,D,E,F,G,H 590-109A,B,C, D	Preventive W.R. #30617	---	N/A	N/A	Cleaned and inspected scram relays.
U3 Rod Move- ment Switch	Preventive W.R. #30977	---	N/A	N/A	Replaced U3 rod movement switch.
HPCI Time Delay Relay EPN #3-2330- 102A-1	Preventive W.R. #30646	---	N/A	N/A	Removed, adjusted and reinstalled time delay.
HPCI Time Delay Relay EPN #3-2330- 102B-1	Preventive W.R. #30647	---	N/A	N/A	Removed, adjusted and replaced time delay.
APRM/RBM Trip Level Push- buttons, EPN #756-301A,B, C,D	Preventive W.R. #30084	---	N/A	N/A	Replaced four APRM/RBM trip level push-buttons.
Refuel Grapple	Preventive W.R. #30897	---	N/A	N/A	Replaced broken spring.
Instr. Line Flow Check Valve 3-220-54, EPN #CU3-220- 54	Preventive W.R. #30153	---	N/A	N/A	Tested valve per work package.



DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Instr. Line Flow Check Valve 3-262-6A, EPN #CV3-262- 6A	Preventive W.R. #30156	---	N/A	N/A	Tested valve per work package.
Instr. Line Flow Check Valve 3-263- 2-11, EPN # CU3-263-2-11	Preventive W.R. #30152	---	N/A	N/A	Tested valve per work package.
Instr. Line Flow Check Valve 3-262- 5A, EPN # CU3-262-5A	Preventive W.R. #30154	---	N/A	N/A	Tested valve per work package.
Instr. Line Flow Check Valve 3-262- 2-5B, EPN #3-262-2-5B	Preventive W.R. #30155	---	N/A	N/A	Tested valve per work package.
Instr. Line Flow Check Valve 3-262- 2-6B, EPN #CU3-262-6B	Preventive W.R. #30157	---	N/A	N/A	Tested valve per work package.
D3 Reactor Head	Preventive W.R. #27916	---	N/A	N/A	Removed Rx head, vent lines, insulation dryer and separator for refueling.
D3 Diesel Generator	Preventive W.R. #30526	---	N/A	N/A	Heat exchange cleaned and reinstalled.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
D3 Rx Head	Preventive W.R. #29811	---	N/A	N/A	Reinstalled Rx head for chemical cleaning work.
U3 250VDC Battery Charger	Preventive W.R. #30803	---	N/A	N/A	Monitored and adjusted as necessary the operation of the battery charger.
Class 2 ISI Welds	Preventive W.R. #28917	---	N/A	N/A	Ground welds per work request for non-destructive examination.

DRESDEN UNIT 2/3

SAFETY RELATED MAINTENANCE - NOVEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
D2/3 Rx Head Lifting Fixture	Preventive W.R. #30726	---	N/A	N/A	Performed nondestructive examination of weld repair area.

## SUMMARY OF OPERATING EXPERIENCE

### UNIT TWO

NOVEMBER, 1983

11-1 to 11-11      Unit 2 entered the month at a power level of 818 MWe and operated continuously until November 11th when the unit was manually shutdown for a Mid-Cycle examination.

11-11 to 11-13      The Mid-Cycle examination was required due to the previous refueling outage when cracks were discovered in several recirculation piping welds. At that time weld overlays were applied to ensure minimum wall thickness. UT examination during this outage found no apparent changes in the affected welds with respect to crack growth.

This shutdown also required snubber inspection due to several which were found defective during the previous refueling outage. All drywell snubbers were visually inspected. The instrumented snubbers were also monitored during the shutdown and startup of the reactor unit. No defects noted.

11-13 to 11-16      The unit was returned to service but only operated briefly. During normal unit operation the NSO changed the condensate booster pumps to a different operating lineup. The discharge check valve on the pump just started failing to open causing a low pressure suction trip on the Rx feed pumps, thus the reactor scrammed on low water level.

SUMMARY OF OPERATING EXPERIENCE - Con't

UNIT TWO

11-16 to 11-24      The unit was once again returned to service but never reached full power. Leakage in the drywell increased which required a unit shutdown on the 21st. A feedwater check valve developed a gasket leak between the valve body and top cover. After repairs, the unit was returned to service.

11-24 to 11-30      The unit operated at a reduced power level for several days due to reactor feed pump bearing and seal problems. By month's end the unit reached 724 MWe with one of the three pumps out of service and being repaired.

Unit 2's monthly capacity factor was 62.55% with an availability of 78.32%.



# SUMMARY OF OPERATING EXPERIENCE

## UNIT THREE

NOVEMBER, 1983

11-1 to 11-30

Unit 3 was shutdown for the entire month for its scheduled refueling and equipment overhaul outage. Major work includes:

- 1) H.P. Turbine and main generator overhaul
- 2) Inservice inspection of welds
- 3) ISHI of recirc. pipe welds
- 4) Painting of torus
- 5) LPRM removal and replacement
- 6) CRD removal and replacement



**Commonwealth Edison**

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

December 1, 1983

DJS LTR: 83-1159

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. B. 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  
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