



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

January 10, 1979

BBS Ltr: 79-39

Office of Management Information & Program Control
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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,

B. B. Stephenson
Station Superintendent
Dresden Nuclear Power Station

BBS:JP:av

Enclosure

cc: Region III, Regulatory Operations, U.S. NRC
Chief Division Nuclear Safety, State of ILL
M. Turbak
L. Bowen (Ofc. V.P. Lee)
T. Gianopoulos (Statistical Research)
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File/NRC Op Data

REGULATORY DOCKET FILE COPY

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-010

UNIT Dresden I

DATE Jan 5, 1979

COMPLETED BY J.F. Phelan

TELEPHONE 815/942-2920 x263

MONTH December, 1978

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>0</u>

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT Dresden II

DATE Jan. 5, 1979

COMPLETED BY J.F. Phelan

TELEPHONE 815/942-2920 x263

MONTH December, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	729	17	742
2	720	18	680
3	747	19	607
4	754	20	707
5	747	21	748
6	745	22	726
7	740	23	701
8	726	24	707
9	73	25	739
10	338	26	706
11	454	27	718
12	528	28	710
13	601	29	701
14	668	30	705
15	705	31	689
16	644		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT Dresden III

DATE Jan 5, 1979

COMPLETED BY J. F. Phelan

TELEPHONE 815/942-2920 x263

MONTH December, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	732	17	0
2	757	18	0
3	489	19	0
4	515	20	0
5	575	21	0
6	642	22	0
7	713	23	0
8	786	24	0
9	735	25	0
10	149	26	0
11	477	27	0
12	100	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

OPERATING DATA REPORT

DOCKET NO. 050-010

DATE Jan 5, 1979

COMPLETED BY J.F. Phelan

TELEPHONE 815/942-2920 x263

OPERATING STATUS

NOTES

1. Unit Name: Dresden I
2. Reporting Period: December, 1978
3. Licensed Thermal Power (Mwt): 700
4. Nameplate Rating (Gross MWe): 200
5. Design Electrical Rating (Net MWe): 209
6. Maximum Dependable Capacity (Gross MWe): 205
7. Maximum Dependable Capacity (Net MWe): 197
8. If Changes Occur in Capacity Ratings (Items 3 Through 7) Since Last Report, Give Reasons: NA

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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744</u>	<u>8760</u>	<u>164040</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>6444.57</u>	<u>113153.75</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>6360.75</u>	<u>111,196.15</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>2,734,445.952</u>	<u>56,014,747.15</u>
17. Gross Electrical Energy Generated (MWH)	<u>.23</u>	<u>813475.03</u>	<u>16,799,252.99</u>
18. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>758305.5</u>	<u>15,822,873.92</u>
19. Unit Service Factor	<u>0</u>	<u>72.6</u>	<u>67.8</u>
20. Unit Availability Factor	<u>0</u>	<u>72.6</u>	<u>67.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>43.9</u>	<u>48.96</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>41.4</u>	<u>46.1</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>12.7</u>	<u>11.2</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>NA</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 800310

OPERATING DATA REPORT

DOCKET NO. 050-237

DATE Jan 6, 1979

COMPLETED BY J.F. Phelan

TELEPHONE 815/942-2920 x263

OPERATING STATUS

NOTES

1. Unit Name: Dresden II
2. Reporting Period: December 1978
3. Licensed Thermal Power (MWt): 2527
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: NA

9. Power Level to Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: NA

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744	8760	75696
12. Number of Hours Reactor Was Critical	744	8434.17	57445.17
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	723.92	8248.32	54116.95
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,590,357	18,663,438	105,472,640
17. Gross Electrical Energy Generated (MWH)	516,462	6,013,057	33,794,724
18. Net Electrical Energy Generated (MWH)	491,283	5,704,449.027	31,948,481.573
19. Unit Service Factor	97.3	94.1	71.5
20. Unit Availability Factor	97.3	94.1	71.5
21. Unit Capacity Factor (Using MDC Net)	85.5	84.3	54.7
22. Unit Capacity Factor (Using DER Net)	83.2	82.0	53.1
23. Unit Forced Outage Rate	2.7	5.8	14.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
<u>Refueling</u>	<u>790310</u>	<u>57 days</u>	

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

OPERATING DATA REPORT

DOCKET NO. 050-249

DATE Jan 6, 1979

COMPLETED BY J.F. Phelan

TELEPHONE 815/942-2920 x263

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: December 1978
3. Licensed Thermal Power (Mwt): 2527
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:
NA

9. Power Level to Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: NA

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744</u>	<u>8760</u>	<u>65281</u>
12. Number of Hours Reactor Was Critical	<u>258.4</u>	<u>6516.25</u>	<u>49708.72</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>252.92</u>	<u>6282.9</u>	<u>47390.73</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>511,342</u>	<u>12,620,526</u>	<u>90,758,768</u>
17. Gross Electrical Energy Generated (MWH)	<u>166,389</u>	<u>4,054,702</u>	<u>29,751,160.25</u>
18. Net Electrical Energy Generated (MWH)	<u>157,688</u>	<u>3,831,654.973</u>	<u>28,217,477.613</u>
19. Unit Service Factor	<u>33.99</u>	<u>71.7</u>	<u>72.6</u>
20. Unit Availability Factor	<u>33.99</u>	<u>71.7</u>	<u>72.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>27.4</u>	<u>56.6</u>	<u>55.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>26.7</u>	<u>55.1</u>	<u>54.4</u>
23. Unit Forced Outage Rate	<u>65.99</u>	<u>14.1</u>	<u>14.2</u>
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: 790210

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-010
 UNIT NAME Dresden I
 DATE Jan 6, 1979
 COMPLETED BY J.F. Phelan
 TELEPHONE 815/942-2920 x263

REPORT MONTH December, 1978

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	781031	S	744	C	3				Refuel & Decon Outage

1

2

F: Forced
 S: Scheduled

Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 (LER) File (NU 0161)

5 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-23/
 UNIT NAME Dresden II
 DATE Jan 6, 1979
 COMPLETED BY J.F. Phelan
 TELEPHONE 815/942-2920 x263

REPORT MONTH December, 1978

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
12	781209	F	20.08	B	1				Recirc MG Set Brush Replacement

1

2

F: Forced
 S: Scheduled

Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 (LER) File (NUREG 0161)
 5 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-249
 UNIT NAME Dresden III
 DATE Jan 6, 1979
 COMPLETED BY J.F. Phelan
 TELEPHONE 815/942-2920 x263

REPORT MONTH December, 1978

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
9	781209	F	15.45	A	3				Main Steam Line Hi-Rad Spurious Trip - Instrumentation
10	781212	F	475.6	A	3				Generator Load Reject Caused By A Fire in the Main Unit Transformer

1
 F: Forced
 S: Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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 (LER) File (NUREG-0161)

5 Exhibit 1 - Same Source

DRESDEN UNIT 1

SAFETY RELATED MAINTENANCE December, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
*Channel 2 & 5 High Voltage Power Supply	Preventive WR 9093	Outage #1-8	NA	NA	Required channel 2&5 high voltage power supply
Fuel Grapple	Preventive WR#9308	Outage #1-8	NA	NA	Adjusted geared limit switch
Safety Relief Valve	Preventive WR#9105	Outage #1-8	NA	NA	Polished seat & disc.
Turning Vane	Preventive WR#9549	Outage #1-8	NA	NA	Installed turning vane
"C" Secondary Steam Generator	Corrective WR9343	Outage #1-8	Tube hole	Leakage	Plugged tube leaks
North Rx Canal Riggs Rad Monitor	Corrective WR#9072	Outage #1-8	Bad detector	Instrument Failure	Replaced detector

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE December, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
HPCI "West" Oil Filter	Preventive WR#9337		NA	NA	Cleaned Filter
Main Steam Line Isolation Valves	Preventive WR#9234		NA	NA	Adjusted Valves
250V DC Battery Charger	Preventive WR#9675 ¹⁵		NA	NA	Replaced bad alarm card
Fuel Grapple	Preventive WR#8582		NA	NA	Tested grapple-operated properly
Core Spray Isolation Valve	Corrective WR#7097	Outage 2-12	Loose packing	Leakage	Tightened packing
HPCI "East" Oil Filter	Preventive WR#9338		NA	NA	Cleaned Oil Filter
HPCI Steam Line Drain Pot Drain Bypass Valve	Corrective WR#9654		Bad diaphragm & solenoid valve	Valve would not open	Replaced air operator diaphragm

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE December, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
SRM 21	Preventive WR#9172		NA	NA	Replaced broken connector
CRD Accumulator 50-39 Drive Water Isolation Valve	Corrective WR#9162		Bad valve	Valve 103 failed in closed position	Weld in new valve
Accumulator 50-39	Preventive WR#9116		NA	NA	Changed out accumulator
Diesel Generator	Preventive WR#8473		NA	NA	Replaced ammeter
Control Rod Drive 50-39 (N-10)	Corrective WR#9135		Bad filters, O'Rings, pistons & springs	CRD would not with draw	Replaced filters, O-Rings pistons & springs
CRD N-8 Scram Outlet Valve	Preventive WR#9316		NA	NA	Adjusted packing
CRD F-11 (22-43) Scram Inlet Valve	Corrective WR#9403		Valve stroke out of adjustment	Leakage	Adjusted stroke on valve
Diesel Generator Day Tank Oil Fill Solenoid	Preventive WR#9314		NA	NA	Replaced asco valve
1C Main Steam Isolation Valve AC-Pilot Valve	Preventive WR#9599		NA	NA	Grounded coil

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE December, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Drywell Equip Hatch	Preventive WR#9674	Outage 3-10	NA	NA	Opened equipment hatch
Accumulator 34-31	Preventive WR#9620	Outage 3-10	NA	NA	Replaced accumulator
Rx Low Pressure LPCI Start Pressure Switch	Corrective WR#4390	Outage 3-10	Switch would not lock		Replaced locking screw threads with insert

DRESDEN UNIT 2/3

SAFETY RELATED MAINTENANCE December, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Spare C.R.D. Accumulator SN# A-3134	Preventive WR#9139		NA	NA	Rebuilt accumulator
Spare C.R.D. Accumulator SN# 54-43	Preventive WR#8459		NA	NA	Rebuilt accumulator
Spare C.R.D. Accumulator SN 2608	Preventive WR#9713		NA	NA	Discarded accumulator

SUMMARY OF OPERATING EXPERIENCE

UNIT ONE

DECEMBER, 1978

- 1-31 Unit one was shutdown the entire reporting period for refueling and chemical cleaning. Significant outage activities included core unloading and continuing preparation for the chemical cleaning.

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

DECEMBER, 1978

- 1-8 The Unit entered the reporting period at an average power level of 780 MWe.
- 1-8 The Unit was taken off line to replace brushes on the recirculation motor-generator sets.
- 1-10 The Unit was brought back on line and load was increased at the preconditioning rate.
- 1-18 A trip of "A" reactor recirculation pump M-G set due to a lube oil pump trip caused load to be reduce to 280 MWe. The pump and M-G set were reset and the unit operated at 750 MWe for the remainder of the reporting period.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

DECEMBER, 1978

- 12-1-9 The unit began the reporting period at a power level of 780 MWe.
- 12-9 The unit scrambled ^{DUÉ} to a Main Steam Line High Radiation Group I Isolation.
- 12-10 The unit was returned to service.
- 12-12 A fire in the unit main transformer resulted in a unit scram and loss of the unit for the remainder of the month. Transformer replacement is currently in progress.