

OPERATING DATA REPORT

DOCKET NO. 050-237

DATE January 3, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

OPERATING STATUS

NOTES

Please correct the figures for item #17 for the month of October, 1983

554,472 2,700,111 55,588,377

1. Unit Name: Dresden II
2. Reporting Period: December, 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	744	8760	119,520
12. Number of Hours Reactor Was Critical	731.05	5366.65	92,224.5
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	716.05	5079.33	90,905.97
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,656,942	11,273,265	176,754,774
17. Gross Electrical Energy Generated (MWH)	538,482	3,613,933	56,502,199
18. Net Electrical Energy Generated (MWH)	511,576	3,391,076	53,388,266
19. Unit Service Factor	96.24	57.98	76.06
20. Unit Availability Factor	96.24	57.98	76.06
21. Unit Capacity Factor (Using MDC Net)	89.07	50.14	57.86
22. Unit Capacity Factor (Using DER Net)	86.60	48.75	56.26
23. Unit Forced Outage Rate	3.76	17.40	11.67
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

IE24

OPERATING DATA REPORT

DOCKET NO. 050-249

DATE January 3, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE (815) 942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: December, 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	744	8760	109,105
12. Number of Hours Reactor Was Critical	0	6454.3	82,845.0
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	6403.1	79,861.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	13,699.358	159,961,098
17. Gross Electrical Energy Generated (MWH)	0	4,387,788	51,52,919
18. Net Electrical Energy Generated (MWH)	-3563	4,147,939	49,20,584
19. Unit Service Factor	0	73.09	73.20
20. Unit Availability Factor	0	73.09	73.20
21. Unit Capacity Factor (Using MDC Net)	0	61.26	58.37
22. Unit Capacity Factor (Using DER Net)	0	59.64	56.82
23. Unit Forced Outage Rate	0	2.21	12.66
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-March 1984

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER, 1983

DOCKET NO. 050-237

UNIT NAME Dresden IIDATE January 3, 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
15	83-12-25	F	27.9	H	3	--	--	--	Due to cold weather, instruments on feed system froze causing loss of RFP, thus low Rx water level scram. Corrected and 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

REPORT MONTH DECEMBER, 1983DOCKET NO. 050-249UNIT NAME Dresden IIIDATE January 3, 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
8	83-9-30	S	744	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
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

4

Exhibit G-Instructions for
Preparation of Data
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(NUREG-0161)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT II

DATE January 3, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH DECEMBER, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	732
2	777
3	711
4	764
5	783
6	742
7	782
8	710
9	764
10	781
11	730
12	795
13	725
14	766
15	755
16	785

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	776
18	618
19	752
20	733
21	729
22	675
23	772
24	772
25	142
26	208
27	431
28	607
29	731
30	767
31	590

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT III

DATE January 3, 1984

COMPLETED BY B. A. Schroeder

TELEPHONE 815/942-2920

MONTH DECEMBER, 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>0</u>

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Local Station MO 1501-13B	Preventive W.R. #29794	---	N/A	N/A	Replaced light socket with "like for like" replacements.
U-2 Accum. 46-23M-6	Preventive W.R. #31406	---	N/A	N/A	Replaced connector.
HCU M-8 Star Valve (2-0305-111)	Preventive W.R. #31353	---	N/A	N/A	Repacked valve.
HPCI Drain Pot Trap Outlet EPN 2-2301-54	Preventive W.R. #29357	---	N/A	N/A	Removed and replaced packing.
CRD Insert Line CRD 32-03	Preventive W.R. #31473	---	N/A	N/A	Fabricate and installed temporary clamp.
2D MSIV	Preventive W.R. #30343	---	N/A	N/A	Tightened fitting as required.
2B MSIV	Preventive W.R. #30342	---	N/A	N/A	Adjusted packing.
AO/SV 2-220-47	Preventive W.R. #31469	---	N/A	N/A	Tightened fitting as required.
SO/SO 2-220-44	Preventive W.R. #31468	---	N/A	N/A	Tightened fitting and diaphragm bolts.
Rx H ₂ O Sample Valve EPN #2-220-45	Preventive W.R. #31471	---	N/A	N/A	Adjusted packing.
AO/SO 2-220-46	Preventive W.R. #31470	---	N/A	N/A	Tightened fittings.
D2 Safety Valve EPN #2-203-4A	Preventive W.R. #31456	---	N/A	N/A	Replaced ruptured disc.

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
D2 Vacuum Breaker EPN #2-1601-33C&F	Preventive W.R. #29685	---	N/A	N/A	Removed and replaced covers.
SRM 23	Preventive W.R. #25770	---	N/A	N/A	Cleaned chassis and connectors.
U-2 "B" 24/48 Charger	Preventive W.R. #30728	---	N/A	N/A	Replaced with new timer.
CH 1 APRM EPN #2-756-101-A	Preventive W.R. #31044	---	N/A	N/A	Replaced relay.
Isolation Condenser Valve 1301-1	Preventive W.R. #31159	---	N/A	N/A	Adjusted packing lube stem with N-5000.
East Torus Hatch	Preventive W.R. #31276	---	N/A	N/A	Opened torus hatch.
East Torus Hatch	Preventive W.R. #31299	---	N/A	N/A	Closed east torus hatch.
HPCI Valve EPN #2-2301-4	Preventive W.R. #31160	---	N/A	N/A	Adjusted packing.
U-2 TB/RB Interlock Door	Preventive W.R. #31076	---	N/A	N/A	Repaired wire.
HPCI Oil Filter	Preventive W.R. #30762	---	N/A	N/A	Removed, dismantled, cleaned and re-assembled oil filter.
2-220-45 Valve EPN #2-220-45	Preventive W.R. #31177	---	N/A	N/A	Re-crimped lugs for wiring at valve coil.

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
HPCI Motor Gear Unit	Preventive W.R. #29828	---	N/A	N/A	Replaced defective amplifier on controller.
HPCI LLRT Valve	Preventive W.R. #29858	---	N/A	N/A	Inspected and repacked valve.
Accum. 34-31	Preventive W.R. #31061	---	N/A	N/A	Repacked N ₂ fill valve.
Drywell Hi Rad Mon. CH B EPN #2-2419B	Preventive W.R. #30131	---	N/A	N/A	Investigated "spiking" problem - calibrated and performed function test - ok.
Rx Bldg. CCW Rad Monitor	Preventive W.R. #29168	---	N/A	N/A	Replaced photo tube in scintillation detector.
08-33B APRM-6	Preventive W.R. #29148	---	N/A	N/A	Finched wire caused abnormal output - re-routed and repaired wire.
LPRM 08-33B APRM #6	Preventive W.R. #29275	---	N/A	N/A	Investigated improper output of APRM instrument.
D2 D/W Feed Water Check Valve	Preventive W.R. #31463	---	N/A	N/A	Repaired seal ring seating surface and replaced seal ring valve.
U-2A Recirc. Pump Discharge Bypass	Preventive W.R. #30374	---	N/A	N/A	Adjusted packing to reduce leakage problem.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMFNT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
D3 Rx Head	Preventive W.R. #29812	---	N/A	N/A	Removed Rx head after chemical cleaning of Rx recirc. system.
#3 Diesel Generator	Preventive W.R. #29887	---	N/A	N/A	Performed quarterly inspection during September, 1983.
U-3 250V Batteries	Preventive W.R. #27771	---	N/A	N/A	Performed U-3 250V battery discharge test.
3-1501-26B Valve	Preventive W.R. #28409	---	N/A	N/A	Replaced limit switch.
595-113C (Main Steam Line Hi Rad Relay)	Preventive W.R. #30929	---	N/A	N/A	Tightened relay.
MCC 39-2 Cub C-2	Preventive W.R. #26525	---	N/A	N/A	Replaced relay.
U-3 Diesel Generator	Preventive W.R. #28662	---	N/A	N/A	Replaced spider coupling.
U-3 "A" RPS MG Set	Preventive W.R. #27995	---	N/A	N/A	Tested and calibrated breaker.
HPCI Area Temp. Sw. EPN TS 3-2372B	Preventive W.R. #30771	---	N/A	N/A	Replaced temp. switch 3-2372B.
Pri. Cont. Isol. Relay 595-104 A EPN #3-595-104A	Preventive W.R. #30926	---	N/A	N/A	Tightened relay.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Relay 590-124A (Turb. Stop Valve Closure Relay)	Preventive W.R. #30928	---	N/A	N/A	Tightened relay.
Cooling Water Return to Booster Pump Suction MO-2301-48	Preventive W.R. #30006	---	N/A	N/A	Adjusted packing.
Steam Line Hi Flow Relay 595-102C	Preventive W.R. #30927	---	N/A	N/A	Tightened relay.
MSIV Logic Trip Relay 595-106A EPN #3-595-106A	Preventive W.R. #30925	---	N/A	N/A	Tightened relay.
Rx Vessel Low Water Level Relay 590-105C EPN #3-509-105C	Preventive W.R. #30930	---	N/A	N/A	Tightened relay.
LPRM Cable Connectors in C.R.	Preventive W.R. #30715	---	N/A	N/A	Tightened all LPRM wire connectors.
SRMs	Preventive W.R. #30719	---	N/A	N/A	Adjusted discriminator set points to set counts below 100 CPS.
3B SBLC Relief Valve	Preventive W.R. #27852	---	N/A	N/A	Checked relief valve setting.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
U-3 "B" RPS MG Set	Preventive W.R. #27996	---	N/A	N/A	Tested and checked breaker.
Refuel Grapple	Preventive W.R. #30984	---	N/A	N/A	Adjusted N.S. trolley switch.
D3 HPCI Oil Tank	Preventive W.R. #30842	---	N/A	N/A	Welded brace bracket back on.
U-3 250V Battery Charger	Preventive W.R. #30698	---	N/A	N/A	Replaced defective amplifier board - checked for proper charging rate and settings.
APRM Power Supplies	Preventive W.R. #30856	---	N/A	N/A	Checked for proper type of 5 amp fuse - found improper one - replaced.
U-3 D/G Output Breaker	Preventive W.R. #31207	---	N/A	N/A	Cleaned contacts to insure proper operation of breaker.
HPCI Weld #2304/14-3	Preventive W.R. #31067	---	N/A	N/A	Flapped weld to remove 1" linear indication - checked for proper wall thickness by UT - ok.
Level Instrumentation Wide Range Yarway	Preventive W.R. #30136	---	N/A	N/A	Calibrated and checked instrument for proper operation.
Refuel Floor and Reactor Bldg. Vent Monitor Power Supply	Preventive W.R. #31309	---	N/A	N/A	Replaced power supply connector and installed voltage test plugs.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - DECEMBER, 1983

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Via Tran/Rose- mount Chem. Cleaning	Preventive W.R. #31016	---	N/A	N/A	Backfilled chem. cleaning instrument and performed valve line-up audit.
D3 A-SBLC Relief Valve	Preventive W.R. #27853	---	N/A	N/A	Checked setting and operation of relief valve.
U3 HFA Relays	Preventive W.R. #27761	---	N/A	N/A	Visual inspection of loose parts and abnormal conditions. Loose studs and damaged covers noted and repaired.
LPRM 3B 32-33 (APRM CH 3) EPN #32-33-3B	Preventive W.R. #29561	---	N/A	N/A	Investigated spiking problem - burned off "whiskers" to resolve problem.
LPRM 3C 24-33 (APRM CH 5)	Preventive W.R. #29557	---	N/A	N/A	Investigated spiking problem - burned off "whiskers" to resolve problem.
LPRM 4B-32-25 (APRM CH 5)	Preventive W.R. #29558	---	N/A	N/A	Investigated spiking problem - burned off "whiskers" to resolve problem.
LPRM 08-25-B	Preventive W.R. #29593	---	N/A	N/A	Investigated instrument downscale problem. Replaced a crimped connector and wire in back of cabinet.

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

DECEMBER, 1983

12-1 to 12-25

Unit 2 entered the month at a power level of 729 MWe and operated continuously until the morning of the 25th when a chain of events caused the reactor to scram. The events were initiated when a large door stuck in the open position during the minus 20 degree winter weather. The instrumentation for the reactor feed pumps froze causing the feed pumps to trip thus causing low reactor water level and subsequent scrambling of the unit. The door was eventually closed, the instruments thawed out, and unit startup initiated.

12-25 to 12-31

The unit was returned to service after some difficulty. Problems developed with the main generator output breaker and one feed pump developed pump seal problems. By the end of the month the unit reached a power level of 817 MWe with a capacity factor of 86.78% and an availability of 96.24%.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

DECEMBER, 1983

12-1 to 12-31

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) LPRM removal and replacement
- 5) CRD removal and replacement



Commonwealth Edison

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

January 3, 1984

DJS LTR: 84-19

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.
INPO Records Center
Manager, Tech. Serv. Nuc. Sta.
Tech. Staff EA
On-Site NRC Inspector
Sta. Nuc. Eng. Dept.
PIP Coordinator - Sta. Nuc.
Comptroller's Office
File/NRC Op. Data
File/Numerical

IE24
1/1