

OPERATING DATA REPORT

DOCKET NO. 050-237

DATE May 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden II
2. Reporting Period: April, 1986
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	719	2,879	139,943
12. Number of Hours Reactor Was Critical	637.3	2,704.4	106,402.0
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	579.5	2,446.6	101,431.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,344,204	5,699,529	207,333,168
17. Gross Electrical Energy Generated (MWH)	437,095	1,858,070	66,357,833
18. Net Electrical Energy Generated (MWH)	416,825	1,772,074	62,708,188
19. Unit Service Factor	80.6	85.0	72.5
20. Unit Availability Factor	80.6	85.0	72.5
21. Unit Capacity Factor (Using MDC Net)	75.1	79.7	58.0
22. Unit Capacity Factor (Using DER Net)	73.0	77.5	56.4
23. Unit Forced Outage Rate	19.4	15.0	12.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Mid-May for a weekend snubber inspection.</u>			

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

OPERATING DATA REPORT

DOCKET NO. 050-249

DATE May 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: April, 1986
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	719	2,879	129,528
12. Number of Hours Reactor Was Critical	0	0	96,596.7
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	0	89,793.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	181,772,636
17. Gross Electrical Energy Generated (MWH)	0	0	58,839.233
18. Net Electrical Energy Generated (MWH)	-4,728	-19,433	55,706,851
19. Unit Service Factor	0	0	69.3
20. Unit Availability Factor	0	0	69.3
21. Unit Capacity Factor (Using MDC Net)	0	0	55.6
22. Unit Capacity Factor (Using DER Net)	0	0	54.2
23. Unit Forced Outage Rate	0	0	12.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): In 9th Refueling/RPR outage.			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June, 1986

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT II

DATE May 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH April, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>699</u>
2	<u>8</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>525</u>
9	<u>633</u>
10	<u>648</u>
11	<u>765</u>
12	<u>740</u>
13	<u>654</u>
14	<u>764</u>
15	<u>760</u>
16	<u>771</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>770</u>
18	<u>780</u>
19	<u>690</u>
20	<u>770</u>
21	<u>792</u>
22	<u>761</u>
23	<u>793</u>
24	<u>779</u>
25	<u>744</u>
26	<u>715</u>
27	<u>685</u>
28	<u>704</u>
29	<u>737</u>
30	<u>749</u>
31	<u>---</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT III

DATE May 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH April, 1986

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>

COMMONWEALTH EDISON COMPANY

DRESDEN STATION

MAXIMUM DAILY LOAD

MONTH OF APRIL, 1986

DAY	HOUR ENDING	MAXIMUM DAILY LOAD KW
1	1800	812,600
2	0100	201,500
3	0000	0
4	0000	0
5	0000	0
6	0000	0
7	2400	133,000
8	2300	684,500
9	1700	782,800
10	2400	761,300
11	1500	815,900
12	0100	794,900
13	2400	737,900
14	1700	813,700
15	0100	801,800
16	1300	815,900
17	0100	809,500
18	0400	805,500
19	0300	799,200
20	1400	813,400
21	1800	814,300
22	1300	823,400
23	1300	823,200
24	1500	821,700
25	0100	820,000
26	2200	769,600
27	1100	772,700
28	1500	759,900
29	1900	815,500
30	0100	811,700

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-237

UNIT NAME II

DATE May 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE (815) 942-2920

REPORT MONTH APRIL, 1986

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
4	86-04-02	F	139:32 (139.5)	H	1	86-006-0	--	--	Manually shut down to install seismic restraints (bolting) on control room panels.

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 III

DATE May 1, 1986

COMPLETED BY D. C. Maxwell

TELEPHONE (815) 942-2920

REPORT MONTH APRIL, 1986

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
6	85-10-23	S	719:00	C	1	--	--	--	Off-line manually to 9th Refueling/Recirculation Pipe Replacement 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)

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
2-203-1D MSIV Limit Switch	Corrective W.R. #48709	N/A	---	---	Adjusted limit switch arm.
AH 502-2402-A Drywell and Torus Cam H ₂ Sensor	Preventive W.R. #48706	N/A	---	---	Investigated and adjusted Cam H ₂ sensor.
Accumulator 06-31	Corrective W.R. #50943	N/A	---	---	Leaking valve - replaced packing.
Accumulator 26-27's 127 (Scram) Valve	Corrective W.R. #50650	N/A	---	---	Could not totally repack valve - did add 3 rings of packing.
A H ₂ O ₂ Monitor	Preventive W.R. #51024	N/A	---	---	Performed SP-86-2-25 to calibrate monitor with manufacturer representa- tive's assistance.
2A-1102	Corrective W.R. #51077	N/A	---	---	Adjusted packing for leaking pump.
2A Rx Bldg. Exhaust Fan Header Sway Brace	Preventive W.R. #51271	N/A	---	---	Removed temporarily and reinstalled.
2-1705-6A	Corrective W.R. #51284	N/A	---	---	Replaced sensor - calibrated equipment with temporary procedure.
2-503-B "B" Condensor Low Vacuum Switch	Preventive W.R. #41484	N/A	---	---	Checked switch calibration - works fine.
PS 2-261-30P	Corrective W.R. #51698	N/A	---	---	Replaced pressure switch and checked switch calibration.
1459-B Core Spray Header Dpt.	Preventive W.R. #50392	N/A	---	---	Checked transmitter - no problem found. Performed DIS 1400-1 Rev. 3 on dpt. 1459-B.

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
TS-1-5 (J-U) Rx Water Cleanup Area Temporary Alarm	Corrective W.R. #51160	N/A	---	---	Adjusted setpoint to 150°F, verified alarm locally/control room per DAP 11-11, Rev. 6.
Channel "A" MSL Rad Monitor	Corrective W.R. #53018	N/A	---	---	Removed failed rad monitor. Replaced monitor and calibrated.
2-220-102 Recirculation Loop Sample Isolation Valve	Corrective W.R. #53103	N/A	---	---	Replaced valve with four rings of 1625 packing. Back seated valve, per instruc- tions on work request.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
FT-3-1549B	Preventive W.R. #42223	N/A	---	---	Inspected and repaired calibrated transmitter.
FT-3-1549A	Preventive W.R. #42224	N/A	---	---	Inspected and repaired calibrated transmitter.
FT-3-1542B LPCI Flow Transmitter	Preventive W.R. #42225	N/A	---	---	Inspected and repaired calibrated transmitter.
PT-3-1460A Core Spray Pressure Transmitter	Preventive W.R. #42235	N/A	---	---	Inspected and repaired calibrated transmitter.
Reactor Low Low Level B Alarm	Preventive W.R. #43501	N/A	---	---	Changed alarm card and manually actuated relays to reset - tested ok.
3-1502C 3C LPCI Pump	Preventive W.R. #48861	N/A	---	---	Drilled 1/4" weep hole in main junction box of motor. Inspected for environmental qualification.
3-1401-A 3A Core Spray Pump	Preventive W.R. #50648	N/A	---	---	Replaced sealtite to motor heater junction box.
1510-M-303 (3-1510-H55) 30 CCSW Pump Dis- charge Line Support	Corrective W.R. #50949	N/A	---	---	Adjusted spring can tension to 1800 lbs per work instructions.
3-2540-15B ACAD- CAM Inlet Flow Control	Corrective W.R. #50989	N/A	---	---	Replaced capacitor C1 on main circuit board. Replaced op amp IC1 and C205 4-20MA card.
250 VDC Battery #101	Preventive W.R. #51158	N/A	---	---	Charged cell #101 for 24 hour check voltage; specific gravity.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
DTS-31 Leak Rate Test Box	Preventive W.R. #51514	N/A	---	---	Calibrated DTS-31 via DIP 010-4, Rev. 2 utilizing DIP 2100-8 Rev. 2.
DTS-32 Leak Rate Test Box	Preventive W.R. #51515	N/A	---	---	Calibrated DTS-32 via DK-23-DIP 010-4, Rev. 2.
3-1502-B 3B LPCI Pump	Preventive W.R. #48862	N/A	---	---	Drilled 1/4" weck hole in main junction box of motor. Inspected for environ- mental qualification.
3-1502-A 3A LPCI Pump	Preventive W.R. #48863	N/A	---	---	Drilled 1/4" weck hole in main junction box of motor. Inspected for environ- mental qualification.
3-1502-D 3D LPCI Pump	Preventive W.R. #48866	N/A	---	---	Drilled 1/4" weck hole in main junction box of motor. Inspected for environ- mental qualification.
3-705-002 LPRM 48-49C	Corrective W.R. #47864	N/A	---	---	Work will be performed by W.R. #45749.
FT-3-1542A LPCI Flow Transmitter	Preventive W.R. #42226	N/A	---	---	Performed DIS 1500-11 on check sheets 1 and 2.
Bench Check 3-263-2-19A Flow check Valve	Preventive W.R. #48963	N/A	---	---	Removed bench checked valve and rein- stalled on instrument rack 2203-5.
3-263-2-17A Instrument Rack Flow Check	Preventive W.R. #48964	N/A	---	---	Removed, tested and installed instrument rack 2203-5, 2253-75A and C flow check valves.
3-263-2-15A Instrument Rack Flow Check	Preventive W.R. #48965	N/A	---	---	Removed, tested and installed instrument rack 2203-5, 2253-75A and C flow check valves.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
3-263-2-15A Instrument Rack Flow Check	Preventive W.R. #48966	N/A	---	---	Removed, tested and installed instrument rack 2203-5, 2253-75A and C flow check valves.
3-263-2-11 Wide Range Level Flow Check	Preventive W.R. #48967	N/A	---	---	Removed, tested and installed wide range level flow check valve.
3-262-6B Recirc. Pump Seal Flow Check Valve	Preventive W.R. #48968	N/A	---	---	Removed, tested and installed wide range level flow check valve.
3-262-2-6A Recirc. Pump Seal Flow Check	Preventive W.R. #48969	N/A	---	---	Removed, tested and installed wide range level flow check valve.
3-262-5B Recirc. Pump Seal Flow Check	Preventive W.R. #48970	N/A	---	---	Removed, tested and installed wide range level flow check valve.
3-262-5A Recirc. Pump Seal Flow Check	Preventive W.R. #48971	N/A	---	---	Removed, tested and installed wide range level flow check valve.
3-220-54 Flange Seal Leak-Off Flow Check	Preventive W.R. #48972	N/A	---	---	Bench checked flange seal leak-off flow check valve.
U-3 Scram Dis- charge Header Sway Strut	Preventive W.R. #49465	N/A	---	---	Removed sway strut, reinstalled pins, washers and tied off bar on end. Reinstalled sway strut.
LT-3-263-61 Rx Level Transmitter	Preventive W.R. #51056	N/A	---	---	Performed check sheets 1 and 2 via MMP 51056. Calibrated transmitter and indicators.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
#3 Diesel Generator	Preventive W.R. #51129	N/A	---	---	Performed 3 month inspection per DMP 600-2, Rev. 1.
3-1705-3B "B" Off-Gas Rad. Monitor	Corrective W.R. #51554	N/A	---	---	Replaced amplifier tubes valve 1 and 2, performed calibration via applicable sec. DCP 2700-11, Rev. 3.
PT-3-1625 Pressure Sup- pression Pres- sure Trans.	Preventive W.R. #42216	N/A	---	---	Performed check sheets 1 and 2 via MMP 42216. Performed DIS 1600-10, Rev. 6 for DTS 1625.
FT-3-1461B Core Spray Flow Trans	Preventive W.R. #42236	N/A	---	---	Performed check lists. Installed new cover on transmitter.
FT-3-1461A Core Spray Flow Trans	Preventive W.R. #42237	N/A	---	---	Performed check lists. Installed new cover on transmitter.
Reactor Vessel Ventilation	Preventive W.R. #46131	N/A	---	---	Assembled system and installed Rx head flanges (north, south), removed vent system.
3-1101-5 SBLC Suction Header Drain Valve	Corrective W.R. #50913	N/A	---	---	Removed packing, cleaned, repacked and replaced valve.

DRESDEN UNIT 2/3

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
LPRM Amplifier Card	Corrective W.R. #49853	N/A	---	---	LPRM amplifier card caused 0833C at 4. Replaced Q-12 trans. dr. Bench checked ok.
Quad Trip Card	Corrective W.R. #49854	N/A	---	---	Card broken, R3-15m $\frac{1}{4}$ w, 5% replace resister R-3, performed bench check.
2/3 Diesel Generator	Preventive W.R. #50322	N/A	---	---	Performed annual inspection per work instructions.
2/3 Diesel Generator	Preventive W.R. #50324	N/A	---	---	Performed annual inspection per work instructions.
SBGT X-Tie Damper Closed Limit Switch	Corrective W.R. #50620	N/A	---	---	Replaced broken limit switch. Insured proper operation.
2(3)-1106A and B SBLC Squib Valve Trigger Assembly	Preventive W.R. #51296	N/A	---	---	Performed special procedure SP 86-2-27 to assure continuity of internal circuits.
FIC 2/3-7541-28A "A" SBGT System Flow Controller	Corrective W.R. #51388	N/A	---	---	Recalibrated setpoint indication as instructed - 400 CFM higher than the flow to be controlled.
2/3 6601 2/3 Diesel Generator	Corrective W.R. #51588	N/A	---	---	Tightened leaks as tagged. Verified no leakage 24 hours later.
Area Rad Monitor Sensor Converter	Corrective W.R. #51615	N/A	---	---	ARM sensor failed no response. Replaced GM tube - calibrated according to procedure.
F20 VRC D.S. For APRM/RBM	Corrective W.R. #51664	N/A	---	---	Replaced Q ₂ trans. and diode VR1. Verify output voltage greater than -20 VDC.

DRESDEN UNIT 2/3

SAFETY RELATED MAINTENANCE - APRIL, 1986

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
I20 VDC Power Supply for LPRM Group I	Corrective W.R. #51665	N/A	----	----	Replaced VR2 diode. Verify voltage output - more than +20 VDC.

UNIQUE REPORTING REQUIREMENTS

MAIN STEAM RELIEF VALVE OPERATIONS

Relief valve operations during the reporting period of April, 1986 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>Reporting Period</u>	<u>Valves Actuated</u>	<u>Actuations</u>	<u>Conditions</u>	<u>Description of Events</u>
2	04-01-86 to 04-30-86	None			
3	04-01-86 to 04-30-86	None			

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

APRIL, 1986

04-01-86 to 04-07-86

Unit 2 entered the month at maximum core flow, and operated until 0313 hours of April 2, 1986, when it was manually taken off-line per an Administrative decision to install seismic restraints (bolting) on control room panels. The reactor was manually shut-down at 0349 hours of the same day. After installation of the bolting, the reactor was made critical on April 5, 1986 at 1332 hours. During the startup routines a problem developed on a #3 C.I.V. limit switch, which required repairs, and after the completion, the turbine was brought on-line April 7, 1986 at 2245 hours.

04-08-86 to 04-30-86

Load was steadily increased to maximum core flow and operated through the remainder of the month. Availability is 80.59% and capacity factor is 72.88%.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

APRIL, 1986

04-01-86 to 04-30-86 Refueling outage activities continued throughout the entire period. The unit is presently scheduled to startup in mid-June, 1986. Major work includes:

- Normal pump(s) and valve(s) maintenance
- Replacement of the recirculation piping
- ISI inspections
- LLRT



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

May 1, 1986

DJS LTR: 86-327

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 the month of April, 1986. This information is supplied to your office per the instructions set forth in Regulatory Guide 1.16.

Sincerely,

D.J. Scott
Station Manager
Dresden Nuclear Power Station

DJS:DCM: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
Nuclear Fuel Services Manager
Nuc. Sta. Div. Vice Pres.
Manager, Tech. Nuc. Sta
Tech. Staff A.E. (2)
On-Site NRC Inspector
Sta. Nuc. Eng. Dept.
Sta. Q.A. Dept.
Comptroller's Office
PIP Coordinator
INPO Records Center
File/NRC Op. Data
File/Numerical

IE24
11