

OPERATING DATA REPORT

DOCKET NO. 050-237

DATE Oct. 4, 1984

COMPLETED BY D. C. Maxwell

TELEPHONE (815) 942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden II
 2. Reporting Period: September, 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: _____
-
9. Power Level to Which Restricted, If Any (Net MWe): _____
 10. Reasons For Restrictions, If Any: _____

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>6,575</u>	<u>126,095</u>
12. Number of Hours Reactor Was Critical	<u>720.0</u>	<u>6,387.3</u>	<u>98,611.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>6,285.3</u>	<u>97,191.3</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,414,370</u>	<u>14,408,906</u>	<u>191,103,542</u>
17. Gross Electrical Energy Generated (MWH)	<u>450,725</u>	<u>4,627,281</u>	<u>61,129,480</u>
18. Net Electrical Energy Generated (MWH)	<u>426,112</u>	<u>4,404,398</u>	<u>57,812,662</u>
19. Unit Service Factor	<u>100.0</u>	<u>95.6</u>	<u>77.1</u>
20. Unit Availability Factor	<u>100.0</u>	<u>95.6</u>	<u>77.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>76.7</u>	<u>86.8</u>	<u>59.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>74.5</u>	<u>84.4</u>	<u>57.7</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>4.4</u>	<u>11.2</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling outage scheduled to begin 10-05-84 for approximately 12 weeks.
-
25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

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PDR ADOCK 05000237
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OPERATING DATA REPORT

DOCKET NO. 050-249

DATE Oct. 4, 1984

COMPLETED BY D. C. Maxwell

TELEPHONE (815) 942-2920

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: September, 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:

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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>6,575</u>	<u>115,680</u>
12. Number of Hours Reactor Was Critical	<u>614.9</u>	<u>1,908.1</u>	<u>84,753.1</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>567.5</u>	<u>1,441.3</u>	<u>81,302.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,120,500</u>	<u>2,838,834</u>	<u>162,799,932</u>
17. Gross Electrical Energy Generated (MWH)	<u>346,522</u>	<u>865,575</u>	<u>52,818,494</u>
18. Net Electrical Energy Generated (MWH)	<u>325,295</u>	<u>797,501</u>	<u>51,028,085</u>
19. Unit Service Factor	<u>78.8</u>	<u>21.9</u>	<u>70.3</u>
20. Unit Availability Factor	<u>78.8</u>	<u>21.9</u>	<u>70.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>58.4</u>	<u>15.7</u>	<u>57.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>56.9</u>	<u>15.3</u>	<u>55.6</u>
23. Unit Forced Outage Rate	<u>21.2</u>	<u>12.7</u>	<u>12.7</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<hr/> <hr/>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 10-14-84

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-237
 UNIT NAME Dresden II
 DATE October 4, 1984
 COMPLETED BY D. C. Maxwell
 TELEPHONE (815) 942-2920

REPORT MONTH September, 1984

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
	None								

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 October 4, 1984
 COMPLETED BY D. C. Maxwell
 TELEPHONE (815) 942-2920

REPORT MONTH September, 1984

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
3	84-9-11		11:47	A	Rx Remained Critical	---	---	---	EHC oil leak.
4	84-9-25		140:46	A	Manual at 0452 of 9-25-84. Rx Scram at 0530 of 9-25-84.	---	---	---	Condenser tube leak.

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. 050-237

UNIT II

DATE Oct. 4, 1984

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH September, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	644	17	642
2	698	18	396
3	669	19	361
4	620	20	389
5	716	21	445
6	561	22	639
7	672	23	630
8	664	24	642
9	668	25	624
10	583	26	611
11	667	27	634
12	657	28	489
13	654	29	463
14	647	30	513
15	649	31	---
16	584		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT III

DATE Oct. 4, 1985

COMPLETED BY D. C. Maxwell

TELEPHONE 815/942-2920

MONTH September, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>722</u>
2	<u>746</u>
3	<u>543</u>
4	<u>668</u>
5	<u>701</u>
6	<u>769</u>
7	<u>683</u>
8	<u>737</u>
9	<u>453</u>
10	<u>616</u>
11	<u>116</u>
12	<u>473</u>
13	<u>672</u>
14	<u>730</u>
15	<u>725</u>
16	<u>685</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>742</u>
18	<u>522</u>
19	<u>390</u>
20	<u>443</u>
21	<u>406</u>
22	<u>415</u>
23	<u>416</u>
24	<u>228</u>
25	<u>6</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>---</u>

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE - SEPTEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Open Ind. on 2499-4B	Corrective W.R. #32059	---	N/A	N/A	Re-wired connection to the 2-2499-3B and 4B valves per electrical prints. Re-adjusted limits.
2-2499-3A Valve	Corrective W.R. #32061	---	N/A	N.A	Re-connected wire to 2-2499-3A valve.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - SEPTEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
B Recirc. Loop Equalizer Bypass Valve 3-202-9B	Preventive W.R. #34183	---	N/A	N/A	Installed new heaters and cleared jumper log.
Refuel Grapple	Preventive W.R. #36234	---	N/A	N/A	Set upper limit as instructed.
MOV 2301-3 Control Sta.	Preventive W.R. #36268	---	N/A	N/A	Replaced light bulb.
U3 HPCI	Preventive W.R. #24006	---	N/A	N/A	Replaced solenoid.
MO 1301-1	Preventive W.R. #27424	---	N/A	N/A	Replaced motor.
MO 3-202-5A	Preventive W.R. #31011	---	N/A	N/A	Removed and replaced damaged seal tite.
CCSW Vault Penetrations	Preventive W.R. #30982	---	N/A	N/A	Sealed penetration with silicon RTV.
LPCI Heat Exchanger Discharge Valves, EPN #3-1501-3A	Preventive W.R. #27140	---	N/A	N/A	Increased torque setting.
MO 1402-25A	Preventive W.R. #28504	---	N/A	N/A	Completed data sheet to verify the as found setting or catalogue number on MO 1402-25A.
N20B Jet Pump Instrument	Preventive W.R. #26670	---	N/A	N/A	Removed indication found during PT inspection.
Reactor Prot. System U3 Rx Scrams	Preventive W.R. #33594	---	N/A	N/A	Removed and installed jumpers.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - SEPTEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
SBLC	Preventive W.R. #33102	---	N/A	N/A	Set thermostat to 90°. Operating ok.
Core Spray Valve 3-1402-24A	Preventive W.R. #33723	---	N/A	N/A	Removed, cleaned and installed jumper.
CRD P-4	Preventive W.R. #33908	---	N/A	N/A	Replaced solenoid.
P-12	Preventive W.R. #33907	---	N/A	N/A	Replaced solenoid.
MSIV Pilot Relays, EPN #2031(2) (A,B, C,D) R1 (2)	Preventive W.R. #34036	---	N/A	N/A	Tested all relays.
MOV 3-1501-20A	Preventive W.R. #31111	---	N/A	N/A	Removed and reinstalled motor operator for 1501-20A valve after drying it out.
MO 1402-25B (25C)	Preventive W.R. #28503	---	N/A	N/A	Adjusted limits and setting on MOV 1402-25B.
IRM #18	Corrective W.R. #30623	---	N/A	N/A	Replaced selector switch on IRM #18.
Refuel Grapple	Preventive W.R. #31919	---	N/A	N/A	Removed and installed temporary jumpers.
AO's 220-44, 220-46 and 220-47	Preventive W.R. #21158	---	N/A	N/A	Lubricated ASCO solenoid valves AO-3-220-44, -46, and -47.
LPRM 16-25A	Preventive W.R. #34395	---	N/A	N/A	Replaced transistor and integrated.
U3 24/48 Bottom B Chargers	Preventive W.R. #36594	---	N/A	N/A	Adjusted voltages.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - SEPTEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
3D CCSW PP Breaker	Preventive W.R. #32506	---	N/A	N/A	Remounted spring and adjusted linkage.
U3 HPCI Room Cooler	Preventive W.R. #34243	---	N/A	N/A	Replaced and cleaned contactor.
D3 HPCI Room Cooler	Preventive W.R. #32855	---	N/A	N/A	Replaced both belts.
U3 HPCI Room Cooler	Preventive W.R. #33858	---	N/A	N/A	Replaced both bearings.
#3 Diesel Generator	Preventive W.R. #33859	---	N/A	N/A	Performed quarterly inspection.
MSIV, EPN #AO-3-203	Preventive W.R. #29613	---	N/A	N/A	Replaced terminal blocks on all MSIV's.
Supply Air Solenoid to AO 3-2301-31	Preventive W.R. #35996	---	N/A	N/A	Replaced solenoid.
A and B LPCI Pump Motors, EPN #3A & 3B 1502	Preventive W.R. #35620	---	N/A	N/A	Cleaned and painted A and B motors.
Main Steam Line High Flow Switch	Preventive W.R. #36063	---	N/A	N/A	Replaced bad fitting on PSW 261-213.
LPRM 48-41B	Preventive W.R. #34392	---	N/A	N/A	Replaced LPRM card.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - SEPTEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
LPRM 48-33 D	Preventive W.R. #34394	---	N/A	N/A	Repaired wire connection on socket in full core display 903-5.
IRM Ch. 12	Preventive W.R. #34573	---	N/A	N/A	Adjusted gain on IRM pre-amp.
3-1501-13A	Preventive W.R. #34996	---	N/A	N/A	Relamped/cycled valve several times. Indication ok.
Pressure Suppression Nitrogen Makeup to Torus ASCO Valve AO 3-1601-59	Preventive W.R. #35076	---	N/A	N/A	Replaced solenoid with new S.R. solenoid.
3A-1402 Core Spray Motor	Preventive W.R. #35617	---	N/A	N/A	Cleaned and painted motor.
CCSW Pump Motors 1501-44A,B,C,D	Preventive W.R. #35618	---	N/A	N/A	Cleaned and painted all motors.
3-1501-21B	Preventive W.R. #35036	---	N/A	N/A	Adjusted packing.
Refuel Grapple	Preventive W.R. #36177	---	N/A	N/A	Adjusted frame hoist upper limit to accomodate unloading of DI fuel from TN-9.
LPRM 08-25A	Corrective W.R. #34393	---	N/A	N/A	Replaced LPRM 8-25A transistor #08.
HPCI Testable Check Valve AO 3-2301-7	Corrective W.R. #34246	---	N/A	N/A	Adjusted HPCI testable check valve AO 3-2301 - 7 limits.

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE - SEPTEMBER, 1984

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
CRD ASCO Relays and Air Lines	Corrective W.R. #35343	---	N/A	N/A	Tightened fittings on CRD ASCO valves.
APRM #4 Recorder, EPN #RR3-750-10B	Corrective W.R. #34080	---	N/A	N/A	Replaced amplifier board on APRM #4 recorder.
LPRM's	Preventive W.R. #29697	---	N/A	N/A	Removed and re-installed LPRM cables for normal maintenance during refuel outage.
LPRM 48-33A	Corrective W.R. #34389	---	N/A	N/A	Replaced Q8 transistor on LPRM 48-33A card.

SUMMARY OF OPERATING EXPERIENCE

UNIT ONE

SEPTEMBER, 1984

The status of Unit 1 remains shutdown with all fuel removed. The environment and equipment continues to be maintained as needed.

On August 31, 1984, an announcement was made by CECO. Corporate Offices that as of this date Unit 1 has been officially retired.

Chemical cleaning activities are continuing. During the period September 13 through September 17, 1984, the "hundred hour" run of chemical cleaning solution through the piping was accomplished. Since then, there has been three (3) flush and drain operations to remove any residual chemicals and contamination. The solution injected has been very effective in drastically lowering dose rates.

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

SEPTEMBER, 1984

Unit 2 entered the month operating at a power level of 725 MWe and operated continuously during the entire month (with normal power reductions for weekend surveillances) reaching a power level of 747 MWe with a capacity factor of 75.00% and an availability of 100%.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

SEPTEMBER, 1984

09-01 to 09-11 Unit 3 entered the month operating at a power level of 725 MWe and operated until September 11, 1984, when it was taken off-line to repair an EHC oil leak (the Rx remained critical).

09-11 to 09-30 The unit was brought on-line in the afternoon of September 11, 1984 and operated until September 25, 1984 when it was taken off-line to repair a main condenser leak. After the Rx was subcritical, a scram occurred because of low condenser vacuum. Condenser inspection and repairs continued through the remainder of the month.

Capacity factor for the month was 57.80% and availability was 78.81%.

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>
1	09-01-84 to 09-30-84	None			
2	" "	None			
3	" "	None			

T0: General Accounting
 307 Edison

MONTHLY REPORT OF PRODUCTION FUEL OIL

REPORTING AREA Dresden Sta. #12

DIESEL FUEL OIL

IGNITION FUEL OIL

MONTH September 19 84

GAS TURBINE FUEL OIL

JET-ENGINE FUEL OIL

DATE	PURCHASE ORDER NUMBER	INVOICE APPROVAL NUMBER	GALLONS
9-24-84	007286	DR-5	5,500

A. INVENTORY - BEGINNING OF MONTH 43,955

PLUS:

B. TOTAL GALLONS INVOICED 5,500

C. TOTAL GALLONS RECEIVED NOT INVOICED 5,500

MINUS:

D. TOTAL GALLONS CONSUMED 4,435

E. TOTAL GALLONS NOT INVOICED IN PREVIOUS MONTH 4,435

F. INVENTORY - END OF MONTH 45,020

FUNCTION NUMBER 51106

cc: D. C. Maxwell

STATION SUPERINTENDENT Douglas Scott

October 4, 1984

DJS LTR: 84-1009

TO: Technical Services
Tech Center, Maywood

SUBJECT: Dresden Station Nuclear Fuel Consumption, Fuel Oil Therms and
Auxiliary Power for the Month of September, 1984

	<u>Unit 2</u>	<u>Unit 3</u>
Nuclear Therms	<u>48,272,451.03</u>	<u>13,242,667.32</u>
MWT Days	<u>58,932.08</u>	<u>46,687.5</u>
Therms Diesel Oil	<u>3,038</u>	<u>3,038</u>
Gallons Diesel Oil	<u>2,217.5</u>	<u>2,217.5</u>
Auxiliary Power		
Lift Pump	<u>2,107</u>	<u>1,619</u>
Sprays & Lighting	<u>565</u>	<u>435</u>

Prepared by

Donald C. Maxwell

D. C. Maxwell
Technical Staff

Approved by

Douglas J. Scott

D. J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS:DCM:hjb

cc: F. Kurasz
T. Lamantia
C. Larson
Comptroller's Staff
J. Brunner
D. Maxwell
J. Tiemann
File/Numerical



Commonwealth Edison

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

October 4, 1984

DJS LTR: 84-1110

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. E. Scott
Station Superintendent
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
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

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