



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

REGULATORY DOCKET FILE COPY

9/6/78

BBS Ltr. #78-1275

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,

Arthur M Roberts

for B. B. Stephenson
Station Superintendent

BBS:gt

Enclosure

cc: Region III, Regulatory Operations, U.S.NRC
M. Turbak
D. Moskovitz (Ofc. V.P. Lee)
T. Gianopoulos (Statistical Research)
J. R. Gilliom
Tech Staff EA (2 copies)
File/NRC Op Data

780820298

Acob
5/11

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-010

UNIT DRESDEN I

DATE SEPT 6, 1978

COMPLETED BY J.F. PHELAN

TELEPHONE 815/942-2920
x- 263

MONTH AUGUST, 1978

DAY	AVERAGE DAILY POWER LEVEL (HWe-Net)
1	127
2	126
3	125
4	125
5	120
6	107
7	117
8	121
9	120
10	128
11	123
12	117
13	125
14	122
15	121
16	124

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	125
18	125
19	110
20	116
21	129
22	119
23	123
24	123
25	123
26	113
27	122
28	123
29	122
30	121
31	118

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-237

UNIT DRESDEN II

DATE SEPT 6, 1978

COMPLETED BY J. F. PHELAN

TELEPHONE 942-2920
x-263

MONTH AUGUST, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>667</u>
2	<u>0</u>	18	<u>738</u>
3	<u>0</u>	19	<u>707</u>
4	<u>0</u>	20	<u>647</u>
5	<u>0</u>	21	<u>684</u>
6	<u>0</u>	22	<u>726</u>
7	<u>0</u>	23	<u>731</u>
8	<u>0</u>	24	<u>730</u>
9	<u>210</u>	25	<u>718</u>
10	<u>414</u>	26	<u>716</u>
11	<u>462</u>	27	<u>692</u>
12	<u>530</u>	28	<u>702</u>
13	<u>598</u>	29	<u>718</u>
14	<u>668</u>	30	<u>714</u>
15	<u>712</u>	31	<u>728</u>
16	<u>635</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 050-249

UNIT DRESDEN III

DATE SEPT 6, 1978

COMPLETED BY J. F. PHELAN

TELEPHONE 815-942-2920
x-263

MONTH AUGUST, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>746</u>
2	<u>752</u>
3	<u>744</u>
4	<u>771</u>
5	<u>730</u>
6	<u>713</u>
7	<u>695</u>
8	<u>704</u>
9	<u>769</u>
10	<u>733</u>
11	<u>728</u>
12	<u>748</u>
13	<u>684</u>
14	<u>709</u>
15	<u>710</u>
16	<u>719</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>715</u>
18	<u>717</u>
19	<u>682</u>
20	<u>707</u>
21	<u>707</u>
22	<u>711</u>
23	<u>718</u>
24	<u>721</u>
25	<u>693</u>
26	<u>695</u>
27	<u>749</u>
28	<u>748</u>
29	<u>751</u>
30	<u>754</u>
31	<u>736</u>

OPERATING DATA REPORT

DOCKET NO. 050 - 010

DATE Sept. 7, 1978

COMPLETED BY J. F. Phelan

TELEPHONE 815-942-2920
Ext. 263

OPERATING STATUS

NOTES

1. Unit Name: Dresden I
2. Reporting Period: August 1978
3. Licensed Thermal Power (MWt): 700
4. Nameplate Rating (Gross MWe): 209
5. Design Electrical Rating (Net MWe): 200
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): 499 MWt
10. Reasons For Restrictions, If Any: Core Spray/Loca Derating

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744</u>	<u>5831</u>	<u>161111</u>
12. Number of Hours Reactor Was Critical	<u>744</u>	<u>5013.78</u>	<u>111722.97</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744</u>	<u>4948.32</u>	<u>109783.72</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>335611.44</u>	<u>2,125,207.152</u>	<u>55,405,508.35</u>
17. Gross Electrical Energy Generated (MWH)	<u>96,262.47</u>	<u>646,416.56</u>	<u>16,632,194.52</u>
18. Net Electrical Energy Generated (MWH)	<u>90,333.8</u>	<u>606,165.5</u>	<u>15,670,733.92</u>
19. Unit Service Factor	<u>100</u>	<u>84.9</u>	<u>68.1</u>
20. Unit Availability Factor	<u>100</u>	<u>84.9</u>	<u>68.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>61.6</u>	<u>52.8</u>	<u>49.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>60.7</u>	<u>51.98</u>	<u>48.6</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>15.1</u>	<u>11.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Decon Outage	<u>781031</u>		<u>1.5 Years</u>

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

OPERATING DATA REPORT

DOCKET NO. 050 - 237

DATE Sept. 7, 1978

COMPLETED BY J. F. Phelan

TELEPHONE 815-942-2920
Ext. 263

OPERATING STATUS

NOTES

1. Unit Name: Dresden II
2. Reporting Period: August, 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	<u>744</u>	<u>5831</u>	<u>72767</u>
12. Number of Hours Reactor Was Critical	<u>611.97</u>	<u>5520.47</u>	<u>54531.47</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>544.92</u>	<u>5361.45</u>	<u>51230.08</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,192,143</u>	<u>12,118,915</u>	<u>98,928,117</u>
17. Gross Electrical Energy Generated (MWH)	<u>374,784</u>	<u>3,902,455</u>	<u>31,684,122</u>
18. Net Electrical Energy Generated (MWH)	<u>351,139</u>	<u>3,699,850.027</u>	<u>29,943,882.573</u>
19. Unit Service Factor	<u>82.2</u>	<u>91.9</u>	<u>70.4</u>
20. Unit Availability Factor	<u>82.2</u>	<u>91.9</u>	<u>70.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>61.1</u>	<u>82.2</u>	<u>53.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>59.4</u>	<u>79.9</u>	<u>51.8</u>
23. Unit Forced Outage Rate	<u>26.7</u>	<u>8.05</u>	<u>15.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>None</u>		

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

OPERATING DATA REPORT

DOCKET NO. 050 - 249

DATE Sept. 7, 1978

COMPLETED BY J. F. Phelan

TELEPHONE 815-942-2920
Ext. 263

OPERATING STATUS

NOTES

1. Unit Name: Dresden III
2. Reporting Period: August, 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>5831</u>	<u>62352</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>0</u>
13. Reactor Reserve Shutdown Hours	<u>744</u>	<u>4177.82</u>	<u>47370.28</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>0</u>
15. Unit Reserve Shutdown Hours	<u>744</u>	<u>4046.03</u>	<u>45153.87</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,744,221</u>	<u>7,693,176</u>	<u>85,831,418</u>
17. Gross Electrical Energy Generated (MWH)	<u>563,114</u>	<u>2,450,634</u>	<u>28,147,092.25</u>
18. Net Electrical Energy Generated (MWH)	<u>534,853</u>	<u>2,306,156.973</u>	<u>26,691,979.613</u>
19. Unit Service Factor	<u>100</u>	<u>69.4</u>	<u>72.4</u>
20. Unit Availability Factor	<u>100</u>	<u>69.4</u>	<u>72.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>92.9</u>	<u>51.2</u>	<u>55.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.5</u>	<u>49.8</u>	<u>53.9</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>7.7</u>	<u>13.7</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Snubber Inspection	<u>781122-23</u>	<u>48 Hr.</u>	

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050 - 010
 UNIT NAME DRESDEN I
 DATE Sept. 7, 1978
 COMPLETED BY J. F. Phelan
 TELEPHONE 815-942-2920
 Ext. 263

REPORT MONTH August, 1978

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System ⁴ Code	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence

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

3

G-Operational Error
 H-Other (Explain)
 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 - 237
 UNIT NAME DRESDEN II
 DATE Sept. 7, 1978
 COMPLETED BY J. F. Phelan
 TELEPHONE 815-942-2920
 Ext. 263

REPORT MONTH August, 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
10	780801	F	199.08	A	1	LER # 78-046/036-0			Excessive Drywell Leakage caused by a Bonnet Leak on "B" Recirc Pump Discharge Valve

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

3

G-Operational Error
 H-Other (Explain)
 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 I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050 - 249
 UNIT NAME DRESDEN III
 DATE Sept. 7, 1978
 COMPLETED BY J. F. Phelan
 TELEPHONE 815-942-2920
 Ext. 263

REPORT MONTH August, 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

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

3

G-Operational Error
 H-Other (Explain)
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram

4

4-other (Explain)
 Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

DRESDEN UNIT 1

SAFETY RELATED MAINTENANCE August, 1978

EQUIPMENT	NATURE OF MAINTENANCE	ORDER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Sphere Personnel Lock	Preventive W.R.#6116		NA	NA	Repaired Pivot Pin & Tightened Linkages
Core Spray Instrumentation	Preventive W.R.# 6023		NA	NA	Calibrated Instrumentation
Core Spray Discharge Press. Instrumentation	Preventive W.R.# 6024		NA	NA	Installed Liquid Filled Press. Gauges
Channel 9 Log N Power Level	Preventive W.R.# 6479		NA	NA	Repaired Tube & Performed Calibration
Core Spray Recirc. Valves (A & C Pump)	Preventive W.R.# 6606		NA	NA	Adjusted Flow Switch

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE August, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
"A" Recirc Pump	Corrective W.R.# 6343	Outage 2-10	Crack in Weld	Valve Leaking	Repaired Crack in Weld
HPCI Mo 8 Valve	Preventive W.R.# 4436	Outage 2-10	NA	NA	Tightened Packing
Drywell Hatch	Preventive W.R.# 6182	Outage 2-10	NA	NA	Opened Drywell Equip. Hatch
Drywell Hatch	Preventive W.R.# 6183	Outage 2-10	NA	NA	Closed Drywell Equip. Hatch
Safety Valve	Preventive W.R.# 6188	Outage 2-10	NA	NA	Removed Safety Valve BK 6525 & Installed Safety Valve BK 6263
Drywell Equip. Hatch	Preventive W.R.# 6330	Outage 2-10	NA	NA	Opened & Closed Equip Hatch
A.P.R.M. Channel #23	Corrective W.R.# 6180	Outage 2-10	Broken Lead on back of module connector & damaged flow control trip reference card	Scram clamp unable to adjust	Repaired lead on back of module connector & flow control trip reference card
I.R.M. Channel #18	Preventive W.R.# 4812	Outage 2-10	NA	NA	Installed new detector
Reactor Head Vent Main Isolation Valve	Corrective W.R.# 6175	Outage 2-10	Bad Packing	Packing Leak	Repacked Valve
HPCI Turbine Steam Supply Valve Motor	Preventive W.R.# 5759	Outage 2-10	NA	NA	Removed jumper-installed jumper

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE August, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Drywell to Torus Vacuum Breaker 1601-32F	Preventive W.R.# 5778		NA	NA	Adjusted & Operated Switch
Reactor Recirc. Pump 2B Discharge Valve	Corrective W.R.# 6176	Outage 2-10	Loose Gasket	Gasket Leak	Installed Clamp
Main Steam Tunnel "C" High Temp.	Preventive W.R.# 4761	Outage 2-10	NA	NA	Removed & Calibrated Switch-removed jumper & cleared log
Main Steam Tunnel Area Temp Monitor	Preventive W.R.# 4522	Outage 2-10	NA	NA	Removed & Calibrated Switch - Removed jumper & cleared log
"C" Main Steam Line Rad Monitor	Preventive W.R.# 6308	Outage 2-10	NA	NA	Tightened signal connector
Reactor Bldg. Vent Rad Monitor	Preventive W.R.# 6163	Outage 2-10	NA	NA	Extended cable & checked response
Channel D Main Steam Line High Temp.	Preventive W.R.# 5497	Outage 2-10	NA	NA	Installed jumper - remove jumper-calibrated switch
LPRM 24-25B - APRM 2	Preventive W.R.# 10958		NA	NA	Remade cable connector
LPRM 16-09C APRM 6	Preventive W.R.# 4445		NA	NA	Remade cable connector
LPRM 24-41C	Preventive W.R.# 5601		NA	NA	Remade cable connector

DRESDEN UNIT 2

SAFETY RELATED MAINTENANCE August, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
LPRM 08-49C APRM 5	Preventive W.R.# 10959		NA	NA	Remade cable connector
HPCL 2301-3	Preventive W.R.#6458		NA	NA	Tightened Packing

DRESDEN UNIT 3

SAFETY RELATED MAINTENANCE August, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Main Steam Line High Flow Switches	Preventive W.R.# 5944		NA	NA	Cleaned & Inspected
Dry Well Equip. Drain Sump Down-Stream Isolation Valve AO-32001-6	Preventive W.R.# 6037		NA	NA	Installed new solenoid valve
Off Gas Monitor	Preventive W.R.# 6269		NA	NA	Replaced Transistors
Diesel Generator	Preventive W.R.# 5827		NA	NA	Welded on Carbon Steel coupling - replaced turbocharger
HPCI Turbine Drain Pot	Corrective W.R.# 6558		Loose Clamp	Leaking Steam	Hole drilled & furmanite injected in clamp
Diesel Generator Fuel Transfer Line	Corrective W.R.# 6613		Loose Union	Leak	Tightened Union
Diesel Generator	Preventive W.R.# 5577		NA	NA	Performed annual inspection
Main Steam Line High Flow Switch	Preventive W.R.# 6732	LER# 78-33-03L-0	NA	NA	Performed Test on Switch - within limits

DRESDEN UNIT 2 / 3

SAFETY RELATED MAINTENANCE August, 1978

EQUIPMENT	NATURE OF MAINTENANCE	LER OR OUTAGE NUMBER	MALFUNCTION		CORRECTIVE ACTION
			CAUSE	RESULT	
Main Steam Line High Temp. Isolation	Preventive W.R.# 5070		NA	NA	Calibrated Spare Temperature Switches
A Stack Gas Sample Pump	Preventive W.R.# 5904		NA	NA	Installed New Vacuum Pump
Quad Cities Safety Valve	Preventive W.R.# 4394		NA	NA	Set Proper Pressure
Quad Cities Safety Valve	Preventive W.R.# 4395		NA	NA	Set Proper Pressure
Quad Cities Safety Valve	Preventive W.R.# 4396		NA	NA	Set Proper Pressure
Quad Cities Safety Valve	Preventive W.R.# 4397		NA	NA	Set Proper Pressure
Spare Target Rock Valve	Preventive W.R.# 3149		NA	NA	Inspected Target Rock Valve for Cracks & Reassembled

SUMMARY OF OPERATING EXPERIENCE

UNIT ONE

AUGUST, 1978

- 8-1 The unit entered the reporting period on line at a power level of approximately 130 MWe and remained there for the full reporting period.
- 8-31 On August 31 Unit I completed 102 days of continuous operation.

SUMMARY OF OPERATING EXPERIENCE

UNIT TWO

AUGUST, 1978

- 8-1 The unit was taken off system due to excessive drywell leakage caused by a bonnet leak on "B" recirc pump discharge valve.
- 8-9 The unit was brought back on line at 0851 and remained on line for the remainder of the reporting period.

SUMMARY OF OPERATING EXPERIENCE

UNIT THREE

AUGUST, 1978

8-1 The unit entered the month on line and remained on line throughout the reporting period.