



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

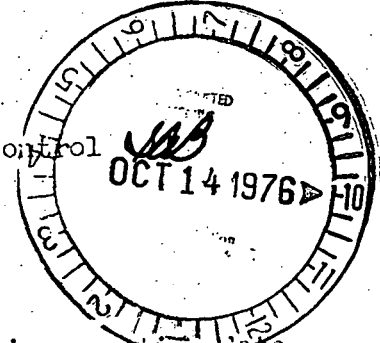
Regulatory

File Cy.

October 7, 1976

BBS Ltr. #716-76

Office of Management Information and 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.

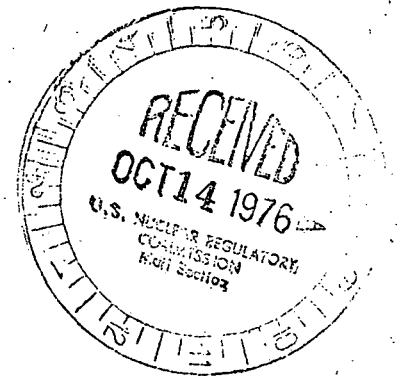
Sincerely,

*B. B. Stephenson*  
 B. B. Stephenson  
 Station Superintendent

BBS:gt

-- Enclosure

- cc: Region III, Regulatory Operations, US NRC
- G. A. Abrell
- M. Elfrink (ofc V.P. Lee)
- A. W. Schneider (Statistical Research)
- J. R. Gilliom
- Tech Staff EA
- File/MRC Op Data



10405

DAI PLANT POWER OUTPUT

Month SEPTEMBER, 1976

<u>Day</u>	<u>Average Daily MWe-net</u>	<u>Day</u>	<u>Average Daily MWe-net</u>
1	<u>0</u>	17	<u>109</u>
2	<u>0</u>	18	<u>105</u>
3	<u>0</u>	19	<u>105</u>
4	<u>0</u>	20	<u>128</u>
5	<u>0</u>	21	<u>132</u>
6	<u>0</u>	22	<u>129</u>
7	<u>0</u>	23	<u>103</u>
8	<u>0</u>	24	<u>110</u>
9	<u>0</u>	25	<u>117</u>
10	<u>0</u>	26	<u>122</u>
11	<u>18</u>	27	<u>121</u>
12	<u>93</u>	28	<u>120</u>
13	<u>95</u>	29	<u>122</u>
14	<u>104</u>	30	<u>123</u>
15	<u>106</u>	31	<u>    </u>
16	<u>109</u>		

Docket No. 050-010

Unit DRESDEN I

Date OCTOBER 2, 1976

Completed By J. F. PHELAN

Telephone 815/942-2920 X 263

DAI PLANT POWER OUTPUT

Month SEPTEMBER, 1976

<u>Day</u>	<u>Average Daily MWe-net</u>	<u>Day</u>	<u>Average Daily MWe-net</u>
1	<u>758</u>	17	<u>411</u>
2	<u>758</u>	18	<u>426</u>
3	<u>767</u>	19	<u>289</u>
4	<u>727</u>	20	<u>405</u>
5	<u>646</u>	21	<u>412</u>
6	<u>752</u>	22	<u>431</u>
7	<u>754</u>	23	<u>488</u>
8	<u>688</u>	24	<u>549</u>
9	<u>763</u>	25	<u>576</u>
10	<u>715</u>	26	<u>644</u>
11	<u>687</u>	27	<u>723</u>
12	<u>760</u>	28	<u>760</u>
13	<u>756</u>	29	<u>767</u>
14	<u>756</u>	30	<u>762</u>
15	<u>755</u>	31	<u>—</u>
16	<u>228</u>		

Docket No. 050-237

Unit DRESDEN II

Date OCTOBER 2, 1976

Completed By J. F. PHELAN

Telephone 815/942-2920 x263

DAILY PLANT POWER OUTPUT

Month SEPTEMBER, 1976

<u>Day</u>	<u>Average Daily MWe-net</u>	<u>Day</u>	<u>Average Daily MWe-net</u>
1	<u>0</u>	17	<u>565</u>
2	<u>31</u>	18	<u>559</u>
3	<u>386</u>	19	<u>310</u>
4	<u>442</u>	20	<u>0</u>
5	<u>516</u>	21	<u>0</u>
6	<u>568</u>	22	<u>0</u>
7	<u>564</u>	23	<u>0</u>
8	<u>568</u>	24	<u>0</u>
9	<u>572</u>	25	<u>0</u>
10	<u>574</u>	26	<u>0</u>
11	<u>564</u>	27	<u>0</u>
12	<u>554</u>	28	<u>0</u>
13	<u>33</u>	29	<u>0</u>
14	<u>279</u>	30	<u>0</u>
15	<u>441</u>	31	<u>—</u>
16	<u>545</u>		

Docket No. 050-249

Unit DRESDEN III

Date OCTOBER 2, 1976

Completed By J. F. PHELAN

Telephone 815/942-2920 X263

Docket No. 050-010

UNIT NAME DRESDEN I DATE OCTOBER 2, 1976 COMPLETED BY J. F. PHILAN

OPERATING STATUS \_\_\_\_\_ TELEPHONE NO. 815/992-2920 X 263

1. Reporting Period: 0001 760901 through 2400 760930.  
Gross Hours in Reporting Period: 720

2. Currently Authorized Power Level MWT 700 MWe-Net 197  
Design Electrical Rating (MWe-Net): 200

3. Power Level to Which Restricted (if any): NONE

4. Reasons for Restrictions (if any): \_\_\_\_\_

	THIS MONTH	YR TO DATE	CUMULATIV
5. Number of Hours Reactor was Critical . . . . .	<u>493:05</u>	<u>5377:05</u>	<u>99545:28</u>
6. Reactor Reserve Shutdown Hours . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
7. Hours Generator On Line . . . . .	<u>465:41</u>	<u>5274:26</u>	<u>96898:50</u>
8. Unit Reserve Shutdown Hours . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWH) . . . . .	<u>204864</u>	<u>2,668,099.996</u>	<u>50311,519.956</u>
10. Gross Electrical Energy Generated (MWH). . . . .	<u>55,610.75</u>	<u>785654.54</u>	<u>1506303097</u>
11. Net Electrical Energy Generated (MWH) . . . . .	<u>51,430.0</u>	<u>790,582.6</u>	<u>19,209,479.82</u>
12. Reactor Service Factor . . . . .	<u>68.5</u>	<u>81.8</u>	<u>69.0</u>
13. Reactor Availability Factor . . . . .	<u>68.5</u>	<u>81.8</u>	<u>69.0</u>
14. Unit Service Factor . . . . .	<u>64.7</u>	<u>80.2</u>	<u>67.1</u>
15. Unit Availability Factor . . . . .	<u>64.7</u>	<u>80.2</u>	<u>67.1</u>
16. Unit Capacity Factor (Using MDC). . . . .	<u>36.2</u>	<u>57.2</u>	<u>50.0</u>
17. Unit Capacity Factor (Using Design MWe). . . . .	<u>35.7</u>	<u>56.3</u>	<u>49.2</u>
18. Unit Forced Outage Rate . . . . .	<u>0</u>	<u>13.5</u>	<u>10.7</u>

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

20. If Shut down at end of Report Period, Estimated Date of Startup: NA  
OFF GAS TIE-IN 761101 24 HRS  
SMOOTHER INSPECTION 770109 24 HRS

Docket No. 050-237

UNIT NAME DRESDEN II DATE OCTOBER 2, 1976 COMPLETED BY J. F. PHELAN

OPERATING STATUS

TELEPHONE NO. 815/992-2920 X263

1. Reporting Period: 0001 760901 through 2400 760930.  
Gross Hours in Reporting Period: 720
2. Currently Authorized Power Level MWT 2527 MWe-Net 772  
Design Electrical Rating (MWe-Net): 809
3. Power Level to Which Restricted (if any): NONE
4. Reasons for Restrictions (if any):

	THIS MONTH	YR TO DATE	CUMULATIV
5. Number of Hours Reactor was Critical . . . . .	<u>716.39</u>	<u>4748.50</u>	<u>40451.02</u>
6. Reactor Reserve Shutdown Hours . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
7. Hours Generator On Line . . . . .	<u>706.55</u>	<u>4574.42</u>	<u>37479.44</u> *
8. Unit Reserve Shutdown Hours . . . . .	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWH) . . . . .	<u>1508,706</u>	<u>9,806,398</u>	<u>20,382,911</u>
10. Gross Electrical Energy Generated (MWH) . . . . .	<u>475,628</u>	<u>3,159,852</u>	<u>22,510,205</u>
11. Net Electrical Energy Generated (MWH) . . . . .	<u>450,264.6</u>	<u>2,989,469.684</u>	<u>21,329,431.69</u>
12. Reactor Service Factor . . . . .	<u>99.5</u>	<u>72.2</u>	<u>72.3</u>
13. Reactor Availability Factor . . . . .	<u>99.5</u>	<u>72.2</u>	<u>72.3</u>
14. Unit Service Factor . . . . .	<u>98.2</u>	<u>69.6</u>	<u>67.0</u>
15. Unit Availability Factor . . . . .	<u>98.2</u>	<u>69.6</u>	<u>67.0</u>
16. Unit Capacity Factor (Using MDC) . . . . .	<u>81.0</u>	<u>58.9</u>	<u>49.4</u>
17. Unit Capacity Factor (Using Design MWe) . . . . .	<u>77.3</u>	<u>56.2</u>	<u>47.1</u>
18. Unit Forced Outage Rate . . . . .	<u>1.8</u>	<u>3.6</u>	<u>17.6</u>
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>NONE</u>			
20. If Shut down at end of Report Period, Estimated Date of Startup: <u>NA</u>			

\* NOTE: SHOWN ON AUGUST REPORT AS 36,272 - SHOULD BE 36,772

Docket No. 050-299

UNIT NAME DRESDEN III DATE OCTOBER 7, 1976 COMPLETED BY J. F. PHELAN

OPERATING STATUS

TELEPHONE NO. 815/992-2920x263

1. Reporting Period: 0001 760901 through 2900 760930.  
Gross Hours in Reporting Period: 720

2. Currently Authorized Power Level MWT 2527 MWe-Net 773  
Design Electrical Rating (MWe-Net): 809

3. Power Level to Which Restricted (if any): NONE

4. Reasons for Restrictions (if any):

THIS MONTH      YR TO DATE      CUMULATIVE

5. Number of Hours Reactor was Critical . . . . . 426:29      6074:01      33559:26\*

6. Reactor Reserve Shutdown Hours . . . . . 0      0      0

7. Hours Generator On Line . . . . . 386:24      5980:28      31777:11

8. Unit Reserve Shutdown Hours . . . . . 0      0      0

9. Gross Thermal Energy Generated (MWH) . . . . . 660,541      10,667,156      58,701,997

10. Gross Electrical Energy Generated (MWH) . . . . . 203,946      3,403,174.25      19,380,426.25

11. Net Electrical Energy Generated (MWH) . . . . . 190,978.6      3,228,376.276      18,394,925.6

12. Reactor Service Factor . . . . . 59.2      92.9      73.7\*

13. Reactor Availability Factor . . . . . 59.2      92.9      73.7

14. Unit Service Factor . . . . . 53.7      90.9      69.8

15. Unit Availability Factor . . . . . 53.7      90.9      69.8

16. Unit Capacity Factor (Using MDC) . . . . . 34.3      63.5      52.2

17. Unit Capacity Factor (Using Design MWe) . . . . . 32.8      60.7      49.9

18. Unit Forced Outage Rate . . . . . 15.0      4.9      16.2

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

NA

20. If Shut down at end of Report Period, Estimated Date of Startup: 761113

NOTE: CORRECTED CUMULATIVE PER NRC LETTER DTD 8-20-76

SECRET NO. 200-010  
 UNIT NAME Dresden 1 REPORT MONTH SEPTEMBER 1976 DATE Oct 3, 1976 COMPLETED BY J. F. PHELAN

SUMMARY: UNIT 1 SUMMARY - SEPTEMBER, 1976

TELEPHONE 815/942-2920 x 263

The unit entered the month in the shutdown mode due to a scheduled maintenance outage. The control switch was placed in refuel on the third & remained in refuel until startup on the 10th. The unit was placed in run on the 11th. A turbine overspeed test was performed & the unit returned on line @ 1804 on the 11th at a load of 100 MWe and 411 MWt with a four loop operation. Power was increased to 150 MWe & 564 MWt on the 20th and stayed at this level until the 23rd at which time load was reduced to 110 MWe & 408 MWt. Secondary feedwater heaters D + E were isolated on the 24th due to suspected tube leaks & load was reduced to 130 MWe & 444 MWt. Load was increased to 147 MWe and 524 MWt on the 30th where the unit ended the period.

PLANT SHUTDOWNS

NO.	DATE	TYPE P-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTION/COMMENTS
10	760828	S	253:28	B	1	NEW OFF-GAS TIE-IN
11	760911	S	00:45	B	4 (TURBINE TRIP)	TURBINE OVERSPEED TEST

(1) REASON:

- A-EQUIPMENT FAILURE (EXPLAIN)
- B-MAINT. OR TEST
- C-REFUELING
- D-REGULATORY RESTRICTION
- E-OPERATOR TRAINING AND LICENSE EXAMINATION
- F-ADMINISTRATIVE
- G-OPERATIONAL ERROR (EXPLAIN)
- H-OTHER (EXPLAIN)

(2) METHOD:

- 1. MANUAL
- 2. MANUAL SCRAM
- 3. AUTOMATIC SCRAM
- 4. OTHER (EXPLAIN)



UNIT NAME Dresden II REPORT MONTH SEPTEMBER 1976 DATE Oct 3, 1976 COMPLETED BY J. F. PHELAN

SUMMARY: UNIT 2 SUMMARY - SEPTEMBER, 1976

TELEPHONE 815/992-2920 x263

The unit entered the month of September at approximately 800 MWe with load drops for normal surveillance testing or at the load dispatchers request on September 15, during a load drop to adjust rod pattern, a recirc. pump lower lube oil level low alarm was received. The unit was taken off system @ 0836 and oil was added to the pump motor. The unit was back on system @ 1529 hrs. and continued on up in load on a fuel preconditioning ramp. On September 19, a reactor scram occurred on a turbine trip due to B.F.W. reg valve drifting open. A fuse blew in the control circuit causing a valve back up. The Unit was back on line @ 1643 hrs. and continued on a fuel preconditioning ramp to approximately full power.

## PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTION/COMMENTS
8	760916	F	6.53	B	4 (REACTOR REMAINED CRITICAL)	Rx RECIRC PUMP LOWER LUBE OIL LEVEL WAS LOW
9	760919	F	6.12	A	3	Hi Ax WATER LEVEL - BFW REG VALVE FAILED TO OPEN BECAUSE OF A BLOWN FUSE

## (1) REASON:

- A-EQUIPMENT FAILURE (EXPLAIN)
- B-MAINT. OR TEST
- C-REFUELING
- D-REGULATORY RESTRICTION
- E-OPERATOR TRAINING AND LICENSE EXAMINATION
- F-ADMINISTRATIVE
- G-OPERATIONAL ERROR (EXPLAIN)

H-OTHER (EXPLAIN)

## (2) METHOD:

- 1. MANUAL
- 2. MANUAL SCRAM
- 3. AUTOMATIC SCRAM
- 4. OTHER (EXPLAIN)

UNIT NAME Dresden III REPORT MONTH SEPTEMBER 1976 DATE OCT 3, 1976 COMPLETED BY J. T. VARGAS

SUMMARY: UNIT 3 SUMMARY - SEPTEMBER, 1976

TELEPHONE 815/942-2920x263

Unit 3 began the month shutdown for recirculation pump seal replacement. The unit returned to service on September 2 and remained at approximately 600 MWe until September 13, when a leak was discovered in the "3B" moisture separator line to the 'D' feedwater heaters. The leak was temporarily repaired and the unit returned to service on September 14. Operation continued at 600 MWe until September 19 when the unit was shutdown for its fourth partial refueling outage. The refueling outage, originally scheduled for September 12, was delayed one week due to equipment scheduling conflicts with another station.

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTION/COMMENTS
8	760829	F	44:10	A	1	EXCESSIVE DRYWELL FLOOR DRAIN LEAKAGE
9	760913	F	24:09	A	1	MOIST SEP DRAIN LINE LEAK
10	760919	S	265:17	C	1	REFUELING OUTAGE

- (1) REASON:
- A-EQUIPMENT FAILURE (EXPLAIN)
  - B-MAINT. OR TEST
  - C-REFUELING
  - D-REGULATORY RESTRICTION
  - E-OPERATOR TRAINING AND LICENSE EXAMINATION
  - F-ADMINISTRATIVE
  - G-OPERATIONAL ERROR (EXPLAIN)
  - H-OTHER (EXPLAIN)

- (2) METHOD:
- 1. MANUAL
  - 2. MANUAL SCRAM
  - 3. AUTOMATIC SCRAM
  - 4. OTHER (EXPLAIN)