



Commonwealth Edison

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

Telephone 815/942-2920

REGULATORY DOCKET FILE COPY

October 7, 1977

BBS Ltr. # 77-937

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

772850089

DAILY PLANT POWER OUTPUT

Month September, 1977

<u>Day</u>	<u>Average Daily MWe-net</u>	<u>Day</u>	<u>Average Daily MWe-net</u>
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>44</u>
7	<u>0</u>	23	<u>77</u>
8	<u>0</u>	24	<u>88</u>
9	<u>0</u>	25	<u>17</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>6</u>
13	<u>0</u>	29	<u>80</u>
14	<u>0</u>	30	<u>93</u>
15	<u>0</u>	31	<u>---</u>
16	<u>0</u>		

Docket No. #050-010

Unit 1

Date October 5, 1977

Completed By J.F. Phelan

Telephone 815-942-2920 ext. 263

DAILY PLANT POWER OUTPUT

Month September, 1977

<u>Day</u>	<u>Average Daily MWe-net</u>	<u>Day</u>	<u>Average Daily MWe-net</u>
1	<u>421</u>	17	<u>0</u>
2	<u>420</u>	18	<u>0</u>
3	<u>419</u>	19	<u>0</u>
4	<u>417</u>	20	<u>0</u>
5	<u>416</u>	21	<u>0</u>
6	<u>414</u>	22	<u>0</u>
7	<u>100</u>	23	<u>0</u>
8	<u>391</u>	24	<u>0</u>
9	<u>395</u>	25	<u>0</u>
10	<u>337</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>---</u>
16	<u>0</u>		

Docket No. #050-237
Unit 2
Date October 5, 1977
Completed By J.F. Phelan
Telephone 815-842-2920 ext. 263

DAILY PLANT POWER OUTPUT

Month September, 1977

<u>Day</u>	<u>Average Daily MWe-net</u>	<u>Day</u>	<u>Average Daily MWe-net</u>
1	<u>699</u>	17	<u>662</u>
2	<u>699</u>	18	<u>709</u>
3	<u>534</u>	19	<u>700</u>
4	<u>608</u>	20	<u>706</u>
5	<u>676</u>	21	<u>701</u>
6	<u>729</u>	22	<u>701</u>
7	<u>725</u>	23	<u>698</u>
8	<u>722</u>	24	<u>686</u>
9	<u>718</u>	25	<u>694</u>
10	<u>668</u>	26	<u>693</u>
11	<u>727</u>	27	<u>689</u>
12	<u>705</u>	28	<u>659</u>
13	<u>711</u>	29	<u>590</u>
14	<u>716</u>	30	<u>667</u>
15	<u>716</u>	31	<u>---</u>
16	<u>709</u>		

Docket No. #050-249
Unit 3
Date October 5, 1977
Completed By J.F. Phelan
Telephone 815-942-2920 ext. 263

Docket No. 050-010

UNIT NAME Dresden I DATE October 6, 1977 COMPLETED BY J.F. Phelan

OPERATING STATUS TELEPHONE NO. 815-942-2920 ext 263

1. Reporting Period: 0001 770901 through 2400 770930
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	CUMULATIVE
5. Number of Hours Reactor was Critical	<u>170.53</u>	<u>3886.9</u>	<u>104588.03</u>
6. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
7. Hours Generator On Line	<u>122.42</u>	<u>3776.18</u>	<u>102748.62</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWH)	<u>35703.84</u>	<u>1,334,804.522</u>	<u>52,402,567.73</u>
10. Gross Electrical Energy Generated (MWH)	<u>10,771.11</u>	<u>410,724.71</u>	<u>15,702,126.26</u>
11. Net Electrical Energy Generated (MWH)	<u>8,175.5</u>	<u>375,441.5</u>	<u>14,797,349.22</u>
12. Reactor Service Factor	<u>23.7</u>	<u>59.3</u>	<u>68.3</u>
13. Reactor Availability Factor	<u>23.7</u>	<u>59.3</u>	<u>68.3</u>
14. Unit Service Factor	<u>17.0</u>	<u>57.6</u>	<u>67.1</u>
15. Unit Availability Factor	<u>17.0</u>	<u>57.6</u>	<u>67.1</u>
16. Unit Capacity Factor (Using MDC)	<u>5.8</u>	<u>29.1</u>	<u>49.1</u>
17. Unit Capacity Factor (Using Design MWe)	<u>5.7</u>	<u>28.6</u>	<u>48.3</u>
18. Unit Forced Outage Rate	<u>83.0</u>	<u>26.0</u>	<u>11.2</u>
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Scram and friction testing 780 108 48 hrs			
20. If Shut down at end of Report Period, Estimated Date of Startup: <u>N/A</u>			

Docket No. 050-237

UNIT NAME DRESDEN II DATE October 6, 1977 COMPLETED BY J.F. Phelan

OPERATING STATUS TELEPHONE NO. 815-942-2920 ext. 263

1. Reporting Period: 0001 770901 through 2400 770930
Gross Hours in Reporting Period: 720

2. Currently Authorized Power Level MWe 2527 MWe-Net 772*
Design Electrical Rating (MWe-Net): 794

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	<u>231.9</u>	<u>5873.47</u>	<u>48449.65</u>
6. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
7. Hours Generator On Line	<u>221.33</u>	<u>5790.95</u>	<u>45360.34</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWH)	<u>329,258</u>	<u>11,029,036</u>	<u>85,886,708</u>
10. Gross Electrical Energy Generated (MWH)	<u>96799</u>	<u>3,461,777</u>	<u>27,482,489</u>
11. Net Electrical Energy Generated (MWH)	<u>84611</u>	<u>3,254,711.856</u>	<u>25,966,227.546</u>
12. Reactor Service Factor	<u>32.2</u>	<u>89.6</u>	<u>74.8</u>
13. Reactor Availability Factor	<u>32.2</u>	<u>89.6</u>	<u>74.8</u>
14. Unit Service Factor	<u>30.7</u>	<u>88.4</u>	<u>70.1</u>
15. Unit Availability Factor	<u>30.7</u>	<u>88.4</u>	<u>70.1</u>
16. Unit Capacity Factor (Using MDC)	<u>15.2</u>	<u>64.3</u>	<u>51.96</u>
17. Unit Capacity Factor (Using Design MWe)	<u>14.8</u>	<u>62.6</u>	<u>50.5</u>
18. Unit Forced Outage Rate	<u>6.7</u>	<u>2.9</u>	<u>15.5</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: N/A 771220

* Represents average attainable summer capacity based upon partial closed cycle operation. Actual daily capacity is highly dependent upon local meteorological conditions and may be substantially lower.

Docket No. 050-249

UNIT NAME DRESDEN III DATE October 6, 1977 COMPLETED BY J.F. Phelan

OPERATING STATUS TELEPHONE NO. 815-942-2920

1. Reporting Period: 0001 770901 through 2400 770930
Gross Hours in Reporting Period: 720
2. Currently Authorized Power Level Mwt 2527 MWe-Net 773*
Design Electrical Rating (MWe-Net): 794
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	<u>720</u>	<u>6260.13</u>	<u>41109.05</u>
6. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
7. Hours Generator On Line	<u>720</u>	<u>6045.25</u>	<u>39076.83</u>
8. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
9. Gross Thermal Energy Generated (MWH)	<u>1,610,558</u>	<u>12,993,661</u>	<u>74,261,740</u>
10. Gross Electrical Energy Generated (MWH)	<u>516,862</u>	<u>4,220,522</u>	<u>24,448,070.25</u>
11. Net Electrical Energy Generated (MWH)	<u>488,874</u>	<u>4,009,871.644</u>	<u>23,209,382.64</u>
12. Reactor Service Factor	<u>100</u>	<u>95.5</u>	<u>75.7</u>
13. Reactor Availability Factor	<u>100</u>	<u>95.5</u>	<u>75.7</u>
14. Unit Service Factor	<u>100</u>	<u>92.3</u>	<u>71.9</u>
15. Unit Availability Factor	<u>100</u>	<u>92.3</u>	<u>71.9</u>
16. Unit Capacity Factor (Using MDC)	<u>87.8</u>	<u>79.2</u>	<u>55.3</u>
17. Unit Capacity Factor (Using Design MWe)	<u>85.5</u>	<u>77.1</u>	<u>53.8</u>
18. Unit Forced Outage Rate	<u>0</u>	<u>7.7</u>	<u>14.6</u>

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling 780212 12 weeks

20. If Shut down at end of Report Period, Estimated Date of Startup: N/A

* Represents average attainable summer capacity based upon partial closed cycle operation. Actual daily capacity is highly dependent upon local meteorological conditions and may be substantially lower.

UNIT NAME Dresden I REPORT MONTH September DATE 10/7/77 COMPLETED BY J.F. Phelan

SUMMARY: MONTHLY SUMMARY - UNIT I

TELEPHONE 815-942-2920 ext. 263

Unit one came back on line Sept. 22 at 0545 after several criticals for moderator temperature coefficients previous day. There was a steady increase in power until the unit was taken off line at 0521 on Sept. 25, 1977 because of an off gas explosion. On Sept. 28, the unit was taken out of the refuel mode and was replaced on line at 2111 the same day. The unit increased in power and was at approximately 102 MWe pending incore calibration.

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
7	770805	F	275.5	A	1 (From Refueling)	Repair of bellows leaks
8	770912	F	234.3	D	1 (From Refueling)	Awaiting Fuel License from NRC
9	770925	F	87.8	H	1	Off gas explosion

(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)

DOCKET NO. 050-257

UNIT NAME Dresden II REPORT MONTH September, 1977 DATE Oct. 6, 77 COMPLETED BY J. F. Phelan

SUMMARY: Monthly Summary - Unit II

TELEPHONE 815-942-2920

Dresden Unit 2 operated with all control rods fully withdrawn until Sept. 7 when the reactor scrambled due to closure of the inboard main steam isolation valves (MSIVs). As a result of diaphragm failure on the instrument air supply valve to the MSDIs in the drywell the air supply valve failed closed. Following the repair of the valve the Unit was again on system at 2043 hours the same day. On Sept. 10, the unit shutdown to start a scheduled refueling outage. Thus far the outage has encompassed draining of the suppression chamber, unloading the whole core, removing 5² control rod drives for overhaul jet pump inspection, secondary containment leak test and other miscellaneous maintenance.

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	770907	F	16.3	A	3	Loss of Air to MSIV's
9	770910	S	482.63	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)

SUMMARY: Monthly Summary - Unit 3.

TELEPHONE 815-942-2920 ext 263

Dresden Unit 3 operated at an average gross load of 717 MWe and at a capacity factor of 86.2% over the entire month. No Unit outages occurred. All required surveillances were satisfactorily completed.

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

- (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)