



Commonwealth Edison
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BBS Ltr. #565-74

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450

August 6, 1974

Office of Plans and Schedules
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Sir:

Enclosed please find Dresden Station's operating data for July, 1974. This data is furnished to your office per Mr. L. Manning Muntzing's request to Mr. Byron Lee, Jr. on February 19, 1974.

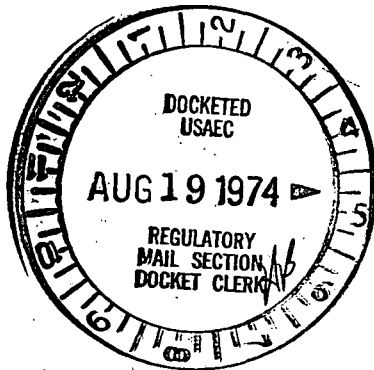
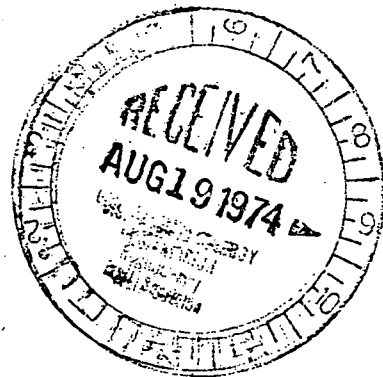
Sincerely,

B. B. Stephenson
Superintendent

BBS:HJH:jmo

cc: Region III, Regulatory Operation, USAEC
J. Abel
H. J. Hentschel
File/AEC Op Data

Enc.



UNIT Dresden IDATE Aug. 6, 1974

COMPLETED BY _____

DAILY PLANT POWER OUTPUTMONTH July 1974

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>-2</u>	25	<u>113</u>
2	<u>-3</u>	26	<u>112</u>
3	<u>-4</u>	27	<u>113</u>
4	<u>-5</u>	28	<u>111</u>
5	<u>16</u>	29	<u>113</u>
6	<u>64</u>	30	<u>112</u>
7	<u>62</u>	31	<u>112</u>
8	<u>58</u>		
9	<u>56</u>		
10	<u>48</u>		
11	<u>50</u>		
12	<u>92</u>		
13	<u>81</u>		
14	<u>76</u>		
15	<u>77</u>		
16	<u>77</u>		
17	<u>77</u>		
18	<u>89</u>		
19	<u>118</u>		
20	<u>113</u>		
21	<u>114</u>		
22	<u>115</u>		
23	<u>113</u>		
24	<u>114</u>		

UNIT NAME Dresden I
 DATE Aug. 6, 1974
 COMPILED BY _____

OPERATING STATUS

1. REPORTING PERIOD: 0001 740701 TO 2400 740731
 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWt 700 MWe-NET 200
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None
4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL.	<u>671:02</u>	<u>671:02</u>	<u>86451:07</u>
6. HOURS GENERATOR ON-LINE	<u>635:13</u>	<u>635:13</u>	<u>84048:25</u>
7. GROSS THERMAL POWER GENERATED (MWH)	<u>236,118</u>	<u>236,118</u>	<u>43,750,607</u>
8. GROSS ELECTRICAL POWER GENERATED (MWH)	<u>62,010.13</u>	<u>62,022.14</u>	<u>132,043,40.75</u>
9. NET ELECTRICAL POWER GENERATED (MWH)	<u>57,110.5</u>	<u>47,827.4</u>	<u>12,766,777.12</u>
10. REACTOR AVAILABILITY FACTOR (1)	<u>90.2</u>	<u>13.2</u>	<u>69.0</u>
11. PLANT AVAILABILITY FACTOR (2)	<u>85.4</u>	<u>12.5</u>	<u>67.1</u>
12. PLANT CAPACITY FACTOR (3)	<u>38.4</u>	<u>4.7</u>	<u>49.7</u>
13. FORCED OUTAGE RATE (4)	<u>5.2</u>	<u>5.8</u>	<u>9.1</u>

14. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):
15. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NA
16. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	_____	_____	_____
INITIAL ELECTRICAL POWER GENERATION	<u>Not in test status</u>		
COMMERCIAL OPERATION	_____	_____	_____

(1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(2) PLANT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(3) PLANT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$

(4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

SUMMARY: The unit completed its refueling outage this month. The turbine was synchronized to the system on 7/5/74 1247 hours

UNIT NAME Dresden I
 DATE Aug. 6, 1974
 COMPLETED BY _____

REPORT MONTH July 1974

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
1	731009	S	109	C	A	

(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)

(2) METHOD:
 A- MANUAL
 B- MANUAL SCRAM
 C- AUTOMATIC SCRAM

UNIT Dresden IIDATE Aug. 6, 1974

COMPLETED BY _____

DAILY PLANT POWER OUTPUTMONTH July 1974

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>710</u>	25	<u>699</u>
2	<u>681</u>	26	<u>558</u>
3	<u>689</u>	27	<u>300</u>
4	<u>471</u>	28	<u>-11</u>
5	<u>592</u>	29	<u>-10</u>
6	<u>678</u>	30	<u>-10</u>
7	<u>688</u>	31	<u>-9</u>
8	<u>684</u>		
9	<u>693</u>		
10	<u>709</u>		
11	<u>707</u>		
12	<u>705</u>		
13	<u>695</u>		
14	<u>636</u>		
15	<u>701</u>		
16	<u>698</u>		
17	<u>681</u>		
18	<u>700</u>		
19	<u>698</u>		
20	<u>652</u>		
21	<u>260</u>		
22	<u>684</u>		
23	<u>691</u>		
24	<u>654</u>		

* Does not include spray pump or lift pump aux power for July

UNIT NAME: Dresden II
 DATE: Aug 6, 1974
 COMPLETED BY: _____

OPERATING STATUS

1. REPORTING PERIOD: 0001 740701 TO 2400 740731
 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWe 2527 MWe-NET 800
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): 2450
4. REASONS FOR RESTRICTIONS (IF ANY): Scram Reactivity

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>648:00</u>	<u>4397:33</u>	<u>29,178:15</u>
6. HOURS GENERATOR ON-LINE	<u>645:35</u>	<u>4244:04</u>	<u>26,707:37</u>
7. GROSS THERMAL POWER GENERATED (MMH)	<u>1,395,749</u>	<u>8,839,842</u>	<u>48,421,674</u>
8. GROSS ELECTRICAL POWER GENERATED (MWH)	<u>436,566</u>	<u>2,826,564</u>	<u>15,075,617</u>
9. NET ELECTRICAL POWER GENERATED (MWH)	<u>414,581</u>	<u>2,673,600</u>	<u>14,687,921</u> *
10. REACTOR AVAILABILITY FACTOR (1)	<u>87.1</u>	<u>86.4</u>	<u>78.9</u>
11. PLANT AVAILABILITY FACTOR (2)	<u>86.8</u>	<u>83.4</u>	<u>72.3</u>
12. PLANT CAPACITY FACTOR (3)	<u>69.7</u>	<u>65.7</u>	<u>49.7</u>
13. FORCED OUTAGE RATE (4)	<u>13.2</u>	<u>13.7</u>	<u>19.7</u>

14. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):
Refueling 74 1201 9 Weeks

15. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 8/1/74
16. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	_____	_____	_____
INITIAL ELECTRICAL POWER GENERATION	<u>Not in test status</u>		
COMMERCIAL OPERATION	_____	_____	_____

* Does not include spray pump or lift pump aux power for July

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (2) PLANT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (3) PLANT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY LICENSED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

SUMMARY: The unit operated ~~in~~ steady state thru the month to 7/27/74. A unit shutdown was necessary to repair valves 1601-21+22 and crack in the line associated with these valves.

UNIT NAME Dresden II
 DATE Aug. 6, 1974
 COMPLETED BY _____

REPORT MONTH July 1974

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
7	740727	F	98	A	A	Failure of primary containment isolation valves.

(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)

(2) METHOD:
 A- MANUAL
 B- MANUAL SCRAM
 C- AUTOMATIC SCRAM

UNIT

Dresden III

DATE

Aug 6, 1974

COMPLETED BY _____

DAILY PLANT POWER OUTPUT

MONTH

July 1974

<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>	<u>DAY</u>	<u>AVERAGE DAILY MWe-net</u>
1	<u>-12</u>	25	<u>346</u>
2	<u>236</u>	26	<u>360</u>
3	<u>512</u>	27	<u>25</u>
4	<u>577</u>	28	<u>-12</u>
5	<u>571</u>	29	<u>28</u>
6	<u>286</u>	30	<u>491</u>
7	<u>612</u>	31	<u>692</u>
8	<u>619</u>		
9	<u>649</u>		
10	<u>657</u>		
11	<u>337</u>		
12	<u>-10</u>		
13	<u>-9</u>		
14	<u>-9</u>		
15	<u>102</u>		
16	<u>482</u>		
17	<u>636</u>		
18	<u>707</u>		
19	<u>690</u>		
20	<u>347</u>		
21	<u>401</u>		
22	<u>113</u>		
23	<u>354</u>		
24	<u>574</u>		

* Does not include spray pump or lift pump aux power for July.

UNIT NAME Dresden III
 DATE Aug. 6, 1974
 COMPILED BY _____

OPERATING STATUS

1. REPORTING PERIOD: 0001 740701 TO 2400 740731
 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL MWt 2527 MWe-NET 800
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): None.
4. REASONS FOR RESTRICTIONS (IF ANY):

	THIS MONTH	YR-TO-DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>603:14</u>	<u>2572:12</u>	<u>19409:40</u>
6. HOURS GENERATOR ON-LINE	<u>536:29</u>	<u>2395:43</u>	<u>17988:14</u>
7. GROSS THERMAL POWER GENERATED (MWH)	<u>899,315</u>	<u>4,503,861</u>	<u>34,796,294</u>
8. GROSS ELECTRICAL POWER GENERATED (MWH)	<u>288,376</u>	<u>1,433,320</u>	<u>11,676,698</u>
9. NET ELECTRICAL POWER GENERATED (MWH)	<u>222,388</u>	<u>1,345,661</u>	<u>11,120,649</u>
10. REACTOR AVAILABILITY FACTOR (1)	<u>81.1</u>	<u>50.6</u>	<u>73.1</u>
11. PLANT AVAILABILITY FACTOR (2)	<u>72.1</u>	<u>47.1</u>	<u>67.8</u>
12. PLANT CAPACITY FACTOR (3)	<u>45.8</u>	<u>33.1</u>	<u>52.4</u>
13. FORCED OUTAGE RATE (4)	<u>27.9</u>	<u>20.4</u>	<u>21.0</u>

14. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE AND DURATION OF EACH):

Snubber Inspection 741030 2 Days.

15. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: NA

16. PLANTS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED	REASON FOR DIFFERENCE
INITIAL CRITICALITY	_____	_____	_____
INITIAL ELECTRICAL POWER GENERATION	<u>Not in test status</u>		
COMMERCIAL OPERATION	_____	_____	_____

* Does not include spray pump or lift pump aux power for July

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (2) PLANT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON-LINE}}{\text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (3) PLANT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{CURRENTLY AUTHORIZED POWER LEVEL} \times \text{GROSS HOURS IN REPORTING PERIOD}} \times 100$
- (4) FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON-LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

SUMMARY: The unit operated at steady state power except for the shutdowns noted in the "plant shutdown" table. Maintenance on 3B recirc pump required repair of the pump seal. The water hammer in the core spray system was due to improper venting of the header.

UNIT NAME Dresden III
 DATE Aug. 6, 1974
 COMPLETED BY _____

REPORT MONTH July 1974

PLANT SHUTDOWNS

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	COMMENTS
7	740624	F	31	A	A	High vibrations in feed line causing feed line restraint damage.
8	740711	F	95	B	A	Maintenance on recirc pump
9	740722	F	19	G	C	Rx. scram caused by instrumentation vibrating due to water hammer in core spray system.
10	740727	F	62	A	A	Primary containment isolation valve failure.

- (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)

- (2) METHOD:
 A- MANUAL
 B- MANUAL SCRAM
 C- AUTOMATIC SCRAM