



Commonwealth Edison
Braidwood Nuclear Power Station
Route #1, Box 84
Braceville, Illinois 60407
Telephone 815/458-2801

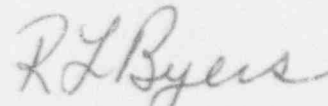
May 10, 1993
BW/93-0174

Director, Office of Resource Management
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Dear Sir:

Enclosed for your information is the Monthly Performance Report covering
Braidwood Nuclear Power Station for the period April 1 through April 30,
1993.

for 
K. L. Cotton
Station Manager
Braidwood Nuclear Station

KLK/JL/dla
o:depts/zd85g

Attachments

cc: A. B. Davis, NRC, Region III
R. R. Assa, USNRC
III Dept of Nuclear Safety
NRC Resident Inspector, Braidwood
INPO Records Center
D. L. Farrar, Nucl Reg Serv Mgr
T. W. Simpkin, Nucl Licensing Admin
D. R. Eggett, Nucl Eng Dept
S. M. Berg, Site V.P., Braidwood
Nucl Fuel Serv, PWR Plant Support
Results Engineering Group, Tech Staff, Braidwood
Nuclear Group, Tech Staff, Braidwood

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BRAIDWOD NUCLEAR POWER STATION

UNIT 1 AND UNIT 2

MONTHLY PERFORMANCE REPORT

Commonwealth Edison Company

NRC DOCKET NO. 050-456, LICENSE NO. NPF-72

NRC DOCKET NO. 050-457, LICENSE NO. NPF-77

I. MONTHLY REPORT FOR BRAIDWOOD UNIT 1

A. Summary of Operating Experience

Braidwood Unit 1 entered the month of April 1993 at approximately 100% capable. The Unit operated routinely through the end of the month.

B. OPERATING DATA REPORT

DATE NO: 50-456
 UNIT: BRAIDWOOD 1
 DATE: 05/10/93
 COMPILED BY: P. STANCZAK
 TELEPHONE: (815) 458-2801
 EXT. 2486

OPERATING STATUS

1. REPORTING PERIOD: APRIL 1993 GROSS HOURS: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3411
 DESIGN ELECTRICAL RATING (MWe-GROSS): 1175
 DESIGN ELECTRICAL RATING (MWe-NET): 1120
 MAX DEPENDABLE CAPACITY (MWe-GROSS): 1175
 MAX DEPENDABLE CAPACITY (MWe-NET): 1120
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): NONE
4. REASONS FOR RESTRICTION (IF ANY): NONE

THIS MONTH YR TO DATE CUMULATIVE

- | | | | | |
|-----|--|-----------|-----------|------------|
| 5. | REPORT PERIOD HOURS: | 719.0 | 2879.0 | 41672.0 |
| 6. | HOURS REACTOR CRITICAL: | 719.0 | 2719.3 | 32236.5 |
| 7. | RX RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 8. | HOURS GENERATOR ON LINE: | 719.0 | 2712.5 | 31688.2 |
| 9. | UNIT RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 10. | GROSS THERMAL ENERGY (MWh): | 2373639.0 | 8885204.0 | 95786844.0 |
| 11. | GROSS ELECT ENERGY (MWh): | 828582.0 | 3106166.0 | 32894814.0 |
| 12. | NET ELECT ENERGY (MWh): | 800107.0 | 2997266.0 | 31446961.0 |
| 13. | REACTOR SERVICE FACTOR: | 100.0 | 94.5 | 77.4 |
| 14. | REACTOR AVAILABILITY FACTOR: | 100.0 | 94.5 | 77.4 |
| 15. | UNIT SERVICE FACTOR: | 100.0 | 94.2 | 76.0 |
| 16. | UNIT AVAILABILITY FACTOR: | 100.0 | 94.2 | 76.0 |
| 17. | UNIT CAPACITY FACTOR (MDC NET): | 99.2 | 92.9 | 67.4 |
| 18. | UNIT CAPACITY FACTOR (DER NET): | 99.2 | 92.9 | 67.4 |
| 19. | UNIT FORCED OUTAGE RATE: | 0.0 | 5.8 | 9.7 |
| 20. | UNIT FORCED OUTAGE HOURS: | 0.0 | 166.5 | 3402.8 |
| 21. | SHUTDOWN SCHEDULED OVER
NEXT 6 MONTHS | | N/A | |
| 22. | IF SHUTDOWN AT END OF REPORTING
PERIOD, ESTIMATED DATE OF STARTUP | | N/A | |

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO: 50-456
UNIT: BRAIDWOOD 1
DATE: 05/10/93
COMPILED BY: P. STANCZAK
TELEPHONE: (815)458-2801
EXT. 2486

MONTH: APRIL 1993

1. <u> * 1136 </u>	16. <u> * 1127 </u>
2. <u> * 1144 </u>	17. <u> * 1128 </u>
3. <u> * 1149 </u>	18. <u> 1103 </u>
4. <u> 1116 </u>	19. <u> * 1125 </u>
5. <u> * 1130 </u>	20. <u> * 1144 </u>
6. <u> * 1139 </u>	21. <u> * 1122 </u>
7. <u> * 1146 </u>	22. <u> 1105 </u>
8. <u> * 1141 </u>	23. <u> 1119 </u>
9. <u> 1103 </u>	24. <u> 1109 </u>
10. <u> 1094 </u>	25. <u> 992 </u>
11. <u> 1045 </u>	26. <u> 1086 </u>
12. <u> * 1138 </u>	27. <u> 1094 </u>
13. <u> * 1142 </u>	28. <u> 1099 </u>
14. <u> * 1146 </u>	29. <u> 1046 </u>
15. <u> * 1130 </u>	30. <u> 1073 </u>

INSTRUCTIONS

On this form, list the average daily unit power level in MWe-NET for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

* Due to condenser efficiency.

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO: 50-456
 UNIT: BRAIDWOOD 1
 DATE: 05/10/93
 COMPILED BY: P. STANCZAK
 TELEPHONE: (815) 458-2801
 EXT. 2486

REPORT PERIOD: APRIL 1993

<u>NO</u>	<u>DATE</u>	<u>TYPE</u>	<u>HOURS</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE</u>
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TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A - Equipment Failure Maint or Test	1 - Method	Exhibit F &
S-Scheduled	B - Maint or Test	2 - Manual Scram	Instructions for Preparation
	C - Refueling	3 - Auto Scram	of Data Entry Sheet
	D - Regulatory Restriction	4 - Continued	Licensee Event Report
	E - Operator Training & Licensee Examination	5 - Reduced Load	(LER) File (NUREG -0161)
	F - Administration	9 - Other	
	G - Oper Error		
	H - Other		

E. UNIQUE REPORTING REQUIREMENTS - UNIT 1

1. SAFETY/RELIEF VALVE OPERATIONS.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
None				

F. LICENSEE EVENT REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1993. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73.

<u>LICENSEE EVENT REPORT NUMBER</u>	<u>DATE</u>	<u>TITLE OF OCCURRENCE</u>
93-004	April 22, 1993	Technical Specification Violation Due to Incorrect Performance of Quadrant Power Tilt Ratio Calculation.

II. MONTHLY REPORT FOR BRAIDWOOD UNIT 2

A. Summary of Operating Experience

Braidwood Unit 2 continued its third refueling outage during the month of April 1993. The unit was being restarted at the end of the month in preparation for going back on-line on May 2, 1993.

B. OPERATING DATA REPORT

DOCKET NO: 50-457
 UNIT: BRAIDWOOD 2
 DATE: 05/10/93
 COMPILED BY: P. STANCZAK
 TELEPHONE: (815) 458-2801
 EXT. 2486

OPERATING STATUS

1. REPORTING PERIOD: APRIL 1993 GROSS HOURS: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3411
 DESIGN ELECTRICAL RATING (MWe-GROSS): 1175
 DESIGN ELECTRICAL RATING (MWe-NET): 1120
 MAX DEPENDABLE CAPACITY (MWe-GROSS): 1175
 MAX DEPENDABLE CAPACITY (MWe-NET): 1120
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY): NONE
4. REASONS FOR RESTRICTION (IF ANY): NONE

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. REPORT PERIOD HOURS:	719.0	2879.0	39754.0
6. HOURS REACTOR CRITICAL:	13.9	1528.9	32691.4
7. RX RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
8. HOURS GENERATOR ON LINE:	0.0	1514.0	32401.8
9. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
10. GROSS THERMAL ENERGY (MWh):	0.0	4579581.7	96592324.7
11. GROSS ELECT ENERGY (MWh):	0.0	1552167.0	33008888.0
12. NET ELECT ENERGY (MWh):	-9796.0	1471377.0	31585413.0
13. REACTOR SERVICE FACTOR:	1.9	53.1	82.2
14. REACTOR AVAILABILITY FACTOR:	1.9	53.1	82.2
15. UNIT SERVICE FACTOR:	0.0	52.6	81.5
16. UNIT AVAILABILITY FACTOR:	0.0	52.6	81.5
17. UNIT CAPACITY FACTOR (MDC NET):	-1.2	45.6	70.9
18. UNIT CAPACITY FACTOR (DER NET):	-1.2	45.6	70.9
19. UNIT FORCED OUTAGE RATE:	0.0	0.0	3.6
20. UNIT FORCED OUTAGE HOURS:	0.0	0.0	1197.3
21. SHUTDOWN SCHEDULE OVER NEXT 6 MONTHS:	N/A		
22. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP:	MAY 2, 1993		

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO: 50-457
 UNIT: BRAIDWOOD 2
 DATE: 05/10/93
 COMPILED BY: P. STANCZAK
 TELEPHONE: (815)458-2801
 EXT. 2486

MONTH: APRIL 1993

1. <u>- 13</u>	16. <u>- 13</u>
2. <u>- 13</u>	17. <u>- 13</u>
3. <u>- 13</u>	18. <u>- 13</u>
3. <u>- 13</u>	19. <u>- 14</u>
4. <u>- 13</u>	20. <u>- 14</u>
5. <u>- 13</u>	21. <u>- 14</u>
7. <u>- 13</u>	22. <u>- 14</u>
8. <u>- 13</u>	23. <u>- 14</u>
9. <u>- 13</u>	24. <u>- 14</u>
10. <u>- 13</u>	25. <u>- 14</u>
11. <u>- 13</u>	26. <u>- 15</u>
12. <u>- 13</u>	27. <u>- 15</u>
13. <u>- 13</u>	28. <u>- 15</u>
14. <u>- 13</u>	29. <u>- 15</u>
15. <u>- 13</u>	30. <u>- 15</u>

INSTRUCTIONS

On this form, list the average daily unit power level in MWe-NET for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

* Due to condenser efficiency.

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO: 50-456
 UNIT: BRAIDWOOD 2
 DATE: 05/10/93
 COMPILED BY: P. STANCZAK
 TELEPHONE: (815) 458-2801
 EXT. 2486

REPORT PERIOD: APRIL 1993

NO	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
22	930401	S	719	C	4	N/A	N/A	N/A	Unit in refueling outage A2R03 since 03/05/93.

TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A - Equipment Failure Maint or Test	1 - Method	Exhibit F &
S-Scheduled	B - Maint or Test	2 - Manual Scram	Instructions for Preparation
	C - Refueling	3 - Auto Scram	of Data Entry Sheet
	D - Regulatory Restriction	4 - Continued	Licensee Event Report
	E - Operator Training & Licensee Examination	5 - Reduced Load	(LER) File (NUREG -0161)
	F - Administration	9 - Other	
	G - Oper Error		
	H - Other		

E. UNIQUE REPORTING REQUIREMENTS - UNIT 2

1. SAFETY/RELIEF VALVE OPERATIONS.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
None				

F. LICENSEE EVENT REPORTS - UNIT 2

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1993. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73.

<u>LICENSEE EVENT REPORT NUMBER</u>	<u>DATE</u>	<u>TITLE OF OCCURRENCE</u>
93-001	April 10, 1993	Technical Specification Violation Due to Head Vent Valve 2RC8070 Being Closed.