



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

March 10, 1992
BW/92-0154

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

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the Monthly Performance Report covering Braidwood Nuclear Power Station for the period February 1 through February 29, 1992.

Very truly yours,

K. L. Kofron
Station Manager
Braidwood Nuclear Station

KLK/JL/mko
(227/ZD85G)

Attachments

cc: A. B. Davis, NRC, Region III
NRC Resident Inspector Braidwood
Ill. Dept. of Nuclear Safety
M. J. Wallace
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Nuclear Fuel Services, PWR Plant Support
INPO Records Center
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BRAIDWOOD 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 February, 1992 at approximately 96% reactor power. The unit was manually shut down on February 5, 1992, to repair a crack in a weld in the Electro-Hydraulic main oil supply line. The unit returned to service on February 7, 1992. The unit operated routinely during the rest of the month with no significant outages or power reductions.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 03/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

OPERATING STATUS

1. Reporting Period: February, 1992 Gross Hours: 696
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:	696.0	1440.0	31449
6. Hours Reactor Critical:	630.7	1374.7	23654.9
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	626.7	1370.7	23202.7
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	1985147	4427907	69412423
11. Gross Elec. Energy (MWH):	675815	1515585	23837777
12. Net Elec. Energy (MWH):	648067	1457264	22759188
13. Reactor Service Factor:	90.6	95.5	75.2
14. Reactor Availability Factor:	90.6	95.5	75.2
15. Unit Service Factor:	90.0	95.2	73.8
16. Unit Availability Factor:	90.0	95.2	73.8
17. Unit Capacity Factor (MDC net):	83.1	90.4	64.6
18. Unit Capacity Factor (DER net):	83.1	90.4	64.6
19. Unit Forced Outage Rate:	10.0	4.8	12.2
20. Unit Forced Outage Hours:	69.3	69.3	3221.1
21. Shutdowns Scheduled Over Next 6 Months:	None		
22. If Shutdown at End of Report Period, Estimated Date of Startup:	_____		

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 03/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

MONTH: February, 1992

1. _____	1094	_____	17. _____	1090	_____
2. _____	1021	_____	18. _____	1120	_____
3. _____	1076	_____	19. _____	1095	_____
4. _____	963	_____	20. _____	1084	_____
5. _____	-10	_____	21. _____	1083	_____
6. _____	-15	_____	22. _____	1074	_____
7. _____	- 3	_____	23. _____	1001	_____
8. _____	240	_____	24. _____	1086	_____
9. _____	730	_____	25. _____	1089	_____
10. _____	118	_____	26. _____	1101	_____
11. _____	*1124	_____	27. _____	1110	_____
12. _____	*1122	_____	28. _____	1089	_____
13. _____	1120	_____	29. _____	1091	_____
14. _____	1119	_____	30. _____	-	_____
15. _____	1098	_____	31. _____	-	_____
15. _____	1098	_____			

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: 03/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: February, 1992

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
1	920205	F	69.3	A	1		JJ	PSF	Unit was manually shut down after an Electro-Hydraulic main oil supply line weld failed. The weld was repaired and the unit returned to service.

 * SUMMARY *

TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A-Equipment Failure	1 - Manual	Exhibit F & H
S-Scheduled	B-Maint or Test	2 - Manual Scram	Instructions for Preparation of
	C-Refueling	3 - Auto Scram	Data Entry Sheet
	D-Regulatory Restriction	4 - Continued	Licensee Event Report
	E-Operator Training & License 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

2. Licensee generated changes to ODOM.

None

(227/ZD85G)7

F: LICENSEE EVENT REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, February 1 through February 29, 1992. 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>Report Date</u>	<u>Title of Occurrence</u>
92-001	02/11/92	Technical Specification Violation Caused by Procedure Deficiency

I. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood unit 2 entered the month of February, 1992 at approximately 96% reactor power. The unit operated routinely with no significant load reductions until February 25, 1992, when the unit automatically tripped due to an equipment failure in the main turbine automatic control system. The unit returned to service on February 29, 1992.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 03/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

OPERATING STATUS

1. Reporting Period: February, 1992 Gross Hours: 696
 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: | 696.0 | 1440.0 | 29531 |
| 6. Hours Reactor Critical: | 601.3 | 1345.3 | 24111.9 |
| 7. RX Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 8. Hours Generator on Line: | 593.0 | 1337.0 | 23877.0 |
| 9. Unit Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 10. Gross Thermal Energy (MWH): | 1949523 | 4371796 | 69727347 |
| 11. Gross Elec. Energy (MWH): | 669990 | 1506250 | 23863690 |
| 12. Net Elec. Energy (MWH): | 643292 | 1449255 | 22812150 |
| 13. Reactor Service Factor: | 86.4 | 93.4 | 81.6 |
| 14. Reactor Availability Factor: | 86.4 | 93.4 | 81.6 |
| 15. Unit Service Factor: | 85.2 | 92.8 | 80.9 |
| 16. Unit Availability Factor: | 85.2 | 92.8 | 80.9 |
| 17. Unit Capacity Factor (MDC net): | 82.5 | 89.9 | 69.0 |
| 18. Unit Capacity Factor (DER net): | 82.5 | 89.9 | 69.0 |
| 19. Unit Forced Outage Rate: | 14.8 | 7.2 | 4.2 |
| 20. Unit Forced Outage Hours: | 103.0 | 103.0 | 1050.8 |
21. Shutdowns Scheduled Over Next 6 Months: None
 22. If Shutdown at End of Report Period,
 Estimated Date of Startup: _____

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCUMENT NO.: 50-457
 UNIT: Braidwood 2
 DATE: 03/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

MONTH: February, 1992

1.	1005	17.	1108
2.	1073	18.	1115
3.	*1121	19.	1090
4.	*1122	20.	*1125
5.	1108	21.	1106
6.	1108	22.	1071
7.	1109	23.	920
8.	*1122	24.	1050
9.	*1125	25.	621
10.	*1127	26.	-14
11.	*1126	27.	-14
12.	*1125	28.	-14
13.	*1126	29.	-4
14.	*1128	30.	-
15.	1095	31.	-
16.	932		

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.
 (227/ZG85G)11

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 03/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: February, 1992

<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>
2	920225	F	103	A	3	92-001	JJ	CPU	The unit automatically tripped when a circuit card for the main turbine digital electro-hydraulic system failed. The circuit card was replaced and the unit returned to service.

 * SUMMARY *

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM & COMPONENT</u>
F-Forced	A-Equipment Failure	1 - Manual	Exhibit F & H
S-Scheduled	B-Maint or Test	2 - Manual Scram	Instructions for Preparation of
	C-Refueling	3 - Auto Scram	Data Entry Sheet
	D-Regulatory Restriction	4 - Cont'ued	Licensee Event Report
	E-Operator Training & License 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			

2. Licensee generated changes to ODCM.

None

F. LICENSEE EVENT REPORTS - UNIT 2

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, February 1 through February 29, 1992. 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>Report Date</u>	<u>Title of Occurrence</u>
None		