



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
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E. D. Eenigenburg
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Nuclear Fuel Services, PWR Plant Support
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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. 1118	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

<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>
1	920205	F	69.3	A	1		JJ	PSF	Unit was manually shut down after an Electro-Hydraulic mail oil supply line weld failed. The weld was repaired 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 - 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.

DATE	VALVES ACTUATED	NO & TYPE ACTUATION	PLANT CONDITION	DESCRIPTION OF EVENT
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None

2. Licensee generated changes to ODCM.

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
- | | <u>THIS MONTH</u> | <u>YR TO DATE</u> | <u>CUMULATIVE</u> |
|------------------------------------------------------------------------|-------------------|-------------------|-------------------|
| 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.

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-457
 UNIT: Eraidwood 2
 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
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 *

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 - Cont'nued	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</u> <u>Report Number</u>	<u>Report</u> <u>Date</u>	<u>Title of Occurrence</u>
None		