



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

February 8, 1991
BW/91-0119

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 revised Monthly Performance Report covering Braidwood Nuclear Power Station for the period January 1 through January 31, 1991.

Very truly yours,

K. L. Kofron
Station Manager
Braidwood Nuclear Station

KLK/EWC/cff
(227/ZD85G)

Attachments

cc: A. B. Davis, NRC, Region III
NRC Resident Inspector Braidwood
Ill. Dept. of Nuclear Safety
M. J. Wallace
K. L. Graesser
T. J. Kovach
Nuclear Fuel Services, PWR Plant Support
INPO Records Center
Performance Monitoring Group, Tech Staff Braidwood Station
Nuclear Group, Tech Staff Braidwood Station
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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 January in a forced outage due to a neutral ground overcurrent trip off the main generator. The unit remained in the outage the entire month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 02/10/91
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

OPERATING STATUS

1. Reporting Period: January, 1991 Gross Hours: 744
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:	744	744	21993
6. Hours Reactor Critical:	0.0	0.0	16927.3
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	0.0	0.0	16630.9
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	0.0	0.0	49653070
11. Gross Elec. Energy (MWH):	0.0	0.0	17080641
12. Net Elec. Energy (MWH):	-10096	-10096	16311660
13. Reactor Service Factor:	0.0	0.0	77.0
14. Reactor Availability Factor:	0.0	0.0	77.0
15. Unit Service Factor:	0.0	0.0	75.6
16. Unit Availability Factor:	0.0	0.0	75.6
17. Unit Capacity Factor (MDC net):	-1.2	-1.2	66.2
18. Unit Capacity Factor (DER net):	-1.2	-1.2	66.2
19. Unit Forced Outage Rate:	100	100	11.8
20. Unit Forced Outage Hours:	744	744	2223
21. Shutdowns Scheduled Over Next 6 Months: Refueling Outage - February, 1991			
22. If Shutdown at End of Report Period, Estimated Date of Startup: <u>May 23, 1991</u>			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456

UNIT: Braidwood 1

DATE: 02/10/91

COMPILED BY: K. M. Dundek

TELEPHONE: (815)458-2801

ext. 2480

MONTH: January, 1991

1.	-14	17.	-13
2.	-14	18.	-14
3.	-14	19.	-13
4.	-14	20.	-13
5.	-14	21.	-13
6.	-14	22.	-14
7.	-13	23.	-13
8.	-13	24.	-13
9.	-13	25.	-13
10.	-13	26.	-13
11.	-13	27.	-13
12.	-13	28.	-13
13.	-13	29.	-13
14.	-13	30.	-13
15.	-13	31.	-14
16.	-13		

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 Efficiencies
(227/ZD85G)5

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 02/10/91
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

REPORT PERIOD: January, 1991

<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>
6	901230	F	744	A	4	90-023	TG	GEN	This outage is continued from the previous month when the Neutral ground overcurrent trip of main generator occurred. The fault was caused by a vent spacer coming loose and damaging a bottom coil in the stator. The failure is considered to be an isolated event.

 * S U M M A R Y *

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM & COMPONENT</u>
F-Forced	A-Equipment Failure Maint or Test	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 CONJ IITION	DESCRIPTION OF EVENT
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NONE

2. Licensee generated changes to ODCM.

None

F. LICENSEE EVENT REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, January 1 through January 31, 1991. 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>
90-022	01-04-91	Inadequate Fuel Handling Building Crane Interlocks due to an apparent preservice design deficiency.
90-023	01-28-91	Reactor trip caused by Main Generator Phase C ground fault.

1. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 operated routinely in January with no outages or significant power reductions.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 02/10/91
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

OPERATING STATUS

1.	Reporting Period: January, 1991	Gross Hours: 744		
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:	<u>744</u>	<u>744</u>	<u>20075</u>
6.	Hours Reactor Critical:	<u>744</u>	<u>744</u>	<u>16783.5</u>
7.	RX Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
8.	Hours Generator on Line:	<u>744</u>	<u>744</u>	<u>16655.2</u>
9.	Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
10.	Gross Thermal Energy (MWH):	<u>2498943</u>	<u>2498943</u>	<u>47808971</u>
11.	Gross Elec. Energy (MWH):	<u>862442</u>	<u>862442</u>	<u>16397215</u>
12.	Net Elec. Energy (MWH):	<u>835632</u>	<u>835632</u>	<u>15663112</u>
13.	Reactor Service Factor:	<u>100.0</u>	<u>100.0</u>	<u>83.6</u>
14.	Reactor Availability Factor:	<u>100.0</u>	<u>100.0</u>	<u>83.6</u>
15.	Unit Service Factor:	<u>100.0</u>	<u>100.0</u>	<u>83.0</u>
16.	Unit Availability Factor:	<u>100.0</u>	<u>100.0</u>	<u>83.0</u>
17.	Unit Capacity Factor (MDC net):	<u>100.3</u>	<u>100.3</u>	<u>69.7</u>
18.	Unit Capacity Factor (DER net):	<u>100.3</u>	<u>100.3</u>	<u>69.7</u>
19.	Unit Forced Outage Rate:	<u>0.0</u>	<u>0.0</u>	<u>3.6</u>
20.	Unit Forced Outage Hours:	<u>0.0</u>	<u>0.0</u>	<u>613.6</u>
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.: 50-457
 UNIT: Braidwood 2
 DATE: 02/10/91
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

MONTH: January, 1991

1. _____	1117	_____	17. _____	*1132	_____
2. _____	1093	_____	18. _____	*1132	_____
3. _____	*1125	_____	19. _____	*1124	_____
4. _____	*1126	_____	20. _____	1055	_____
5. _____	*1122	_____	21. _____	*1129	_____
6. _____	*1125	_____	22. _____	*1134	_____
7. _____	*1136	_____	23. _____	*1136	_____
8. _____	*1140	_____	24. _____	*1136	_____
9. _____	*1139	_____	25. _____	*1136	_____
10. _____	*1136	_____	26. _____	*1127	_____
11. _____	*1137	_____	27. _____	*1127	_____
12. _____	*1140	_____	28. _____	1100	_____
13. _____	*1139	_____	29. _____	1118	_____
14. _____	*1139	_____	30. _____	*1131	_____
15. _____	1066	_____	31. _____	*1131	_____
16. _____	1075	_____			

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 Efficiencies

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 02/10/91
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

REPORT PERIOD: January, 1991

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
NONE									

 * S U M M A R Y *

TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A-Equipment Failure Maint or Test	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 2

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

F. LICENSEE EVENT REPORTS - UNIT 2

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, January 1 through January 31, 1991. 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		