

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-75

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I. Monthly Report for Braidwood Unit 1

A. Summary of Operating Experience

The unit entered the month of April in Mode 5. On April 25, the unit was brought on line and taken up to 50% reactor power. By April 28, the unit's power was reduced to approximately 25% due to problems with two feedwater isolation valves. The unit remained at approximately 25% power through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 05/10/88
 COMPILED BY: M. W. Peterson
 TELEPHONE: (815)458-2801
 ext. 2480

OPERATING STATUS

1.	Reporting Period: April, 1988	Gross Hours: 719.0		
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	2903.0	7056.0
6.	Hours Reactor Critical:	163.1	249.0	3308.7
7.	RX Reserve Shutdown Hours:	0.0	0.0	0.0
8.	Hours Generator on Line:	140.6	213.2	2823.9
9.	Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10.	Gross Thermal Energy (MWH):	154593	250909	5266583
11.	Gross Elec. Energy (MWH):	49032	79586	1684190
12.	Net Elec. Energy (MWH):	42025	58136	1514787
13.	Reactor Service Factor:	N/A	N/A	N/A
14.	Reactor Availability Factor:	N/A	N/A	N/A
15.	Unit Service Factor:	N/A	N/A	N/A
16.	Unit Availability Factor:	N/A	N/A	N/A
17.	Unit Capacity Factor (MDC net):	N/A	N/A	N/A
18.	Unit Capacity Factor (DER net):	N/A	N/A	N/A
19.	Unit Forced Outage Rate:	N/A	N/A	N/A
20.	Unit Forced Outage Hours:	578.4	703.4	1655.6*
21.	Shutdowns Scheduled Over Next 6 Months:			
22.	If Shutdown at End of Report Period, Estimated Date of Startup:			
23.	Units in Test Status (Prior to Commercial Operation):			
	Initial Criticality	FORECAST	RESOLVED	
	Initial Electricity	05/23/87	05/29/87	
	Commercial Operation	07/11/87	07/12/87	
		06/10/88		

* Adjusted Figure

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456
UNIT: Braidwood 1
DATE: 05/10/88
COMPILED BY: M. W. Peterson
TELEPHONE: (815)458-2801
ext. 2480

MONTH: April, 1988

1. _____	0	17. _____	0
2. _____	0	18. _____	0
3. _____	0	19. _____	0
4. _____	0	20. _____	0
5. _____	0	21. _____	0
6. _____	0	22. _____	0
7. _____	0	23. _____	0
8. _____	0	24. _____	0
9. _____	0	25. _____	240
10. _____	0	26. _____	514
11. _____	0	27. _____	421
12. _____	0	28. _____	201
13. _____	0	29. _____	200
14. _____	0	30. _____	233
15. _____	0		
16. _____	0		

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.: 50-456
 UNIT: Braidwood 1
 DATE: 05/10/88
 COMPILED BY: M. W. Peterson
 TELEPHONE: (815)458-2801
 ext. 2480

REPORT PERIOD: April, 1988

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
02	880323	F	578.4	H	4	N/A	N/A	N/A	Unit shut down due to environmental qualification concerns with Limitorque valve operator grease. Grease was changed as required.

 * 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-1022)
	F-Administration	9 - Other	
	G-Oper Error		
	H-Other		

E. UNIQUE REPORTING REQUIREMENTS- UNIT I

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>
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None

2. Licensee generated changes to ODCM.

None

F. LICENSEE EVENT REPORTS - UNIT I

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1988. 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>
87-031-02	03/30/88	Control room ventilation shift to emergency makeup mode as a result of spurious actuation of a radiation monitor due to design deficiency.
88-004-00	04/04/88	Manual reactor trip due to digital rod position indication system component failure.
88-006-00	04/06/88	Partial loss of auxiliary building non accessible filter plenum position indication due to an administrative and management deficiency.
88-008-00	04/25/88	Reactor coolant system leakage due to broken relief valve disc pin.

II. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

The unit entered the month of April in Mode 5. The unit remained in Mode 5 through the end of the month due to Limitorque valve operator grease concerns.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 05/10/88
 COMPILED BY: M. W. Peterson
 TELEPHONE: (815)458-2801
 ext. 2480

OPERATING STATUS

1. Reporting Period: April, 1988 Gross Hours: N/A
2. Currently Authorized Power Level (MWt): 170
 Design Electrical Rating (MWe-gross): 1175
 Design Electrical Rating (MWe-net): 1120
 Max Dependable Capacity (MWe-gross): 0
 Max Dependable Capacity (MWe-net): 0
3. Power level to which restricted (If Any): 5%
4. Reasons for restriction (If Any): Terms of Braidwood Station's Facility Operating License.

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Report period Hours:	N/A	--	--
6. Hours Reactor Critical:	N/A	--	--
7. RX Reserve Shutdown Hours:	N/A	--	--
8. Hours Generator on Line:	N/A	--	--
9. Unit Reserve Shutdown Hours:	N/A	--	--
10. Gross Thermal Energy (MWH):	N/A	--	--
11. Gross Elec. Energy (MWH):	N/A	--	--
12. Net Elec. Energy (MWH):	N/A	--	--
13. Reactor Service Factor:	N/A	--	--
14. Reactor Availability Factor:	N/A	--	--
15. Unit Service Factor:	N/A	--	--
16. Unit Availability Factor:	N/A	--	--
17. Unit Capacity Factor (MDC net):	N/A	--	--
18. Unit Capacity Factor (DER net):	N/A	--	--
19. Unit Forced Outage Rate:	N/A	--	--
20. Unit Forced Outage Hours:	N/A	--	--
21. Shutdowns Scheduled Over Next 6 Months:			

22. If Shutdown at End of Report Period,
 Estimated Date of Startup: _____

23. Units in Test Status (Prior to
 Commercial Operation):

	<u>FORECAST</u>	<u>ACHIEVED</u>
Initial Criticality	02/29/88	03/08/88
Initial Electricity	03/28/88	_____
Commercial Operation	07/25/88	_____

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-457
UNIT: Braidwood 2
DATE: 05/10/88
COMPILED BY: M. W. Peterson
TELEPHONE: (815)458-2801
ext. 2480

MONTH: April, 1988

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

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: Braidwood 2
 DATE: 05/10/88
 COMPILED BY: M. W. Peterson
 TELEPHONE: (815)458-2801
 ext. 2480

REPORT PERIOD: April, 1988

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
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N/A

 * S U M M A R Y *

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-1022)
	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>
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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, April 1 through April 30, 1988. 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>
88-001-00	04/07/88	Safety injection pump discharge valve locked closed due to operator miscommunication.
88-005-00	04/21/88	Component cooling water surge tank level instrumentation discrepancies due to a design error.



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

BW/88-345

May 10, 1988

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 April 1 through April 30, 1988.

Very truly yours,

R. E. Querio
Station Manager
Braidwood Nuclear Station

REQ/RCB/jab
(4957z)

Attachments

cc: A. B. Davis, NRC, Region III
NRC Resident Inspector Braidwood
Gary Wright, Ill. Dept. of Nuclear Safety
T. J. Maiman
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Performance Monitoring Group, Tech Staff Braidwood Station
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