



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

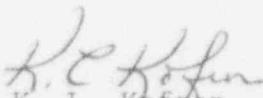
June 7, 1994  
BW/94-0112

Director  
Office of Resource Management  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Document Control Desk

Dear Sir:

Enclosed for your information is the Monthly Performance Report covering Braidwood Nuclear Generating Station for the period May 1 through May 31, 1994.

  
K. L. Kofron  
Station Manager  
Braidwood Station

KLK/JL/dla  
o:\corresp\zcbw94

Attachments

cc: J. B. Martin, U.S.N.R.C., Region III  
P. R. Assa, U.S.N.R.C.  
D.N.S.  
N.R.C. Resident Inspector, Braidwood  
Records Center  
D. L. Farrar, Nuclear Regional Service Mgr.  
D. M. Saccomando, Nuclear Licensing Admin.  
D. R. Eggett, Nuclear Engineering Dept.  
K. Kaup, Site Vice President, Braidwood  
NFS, PWR Plant Support  
Results Engineering Grp., Systems Eng., Bwd.  
Nuclear Group, Systems Engineering, Bwd.  
I.D.N.S. Resident Inspector, Braidwood  
J. M. Bunecicky, Westinghouse  
D. R. Seavers, A.N.I.

9406140355 940531  
PDR ADDCK 05000456  
R PDR

150011

JE24

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

A. SUMMARY OF OPERATING EXPERIENCE

Docket No.: 50 - 456  
Unit: Braidwood 1  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

Braidwood Unit 1 entered the month of May 1994 shutdown for refueling outage A1R04. The Unit went back on line on May 13 and operated routinely through the end of the month.

B. OPERATING DATA REPORT

Docket No.: 50 - 456  
 Unit: Braidwood 1  
 Date: 6/10/94  
 Completed by: Chris Pershey  
 Telephone: 815-458-2801

OPERATING STATUS

- 1) Reporting Period: May 1994 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 restrictions (if any): None

	<u>This Mo.</u>	<u>Yr. to Date</u>	<u>Cumulative</u>
5) Report Period Hours:	744.0	3,623.0	51,176.0
6) Hours Reactor Critical:	485.8	1,976.3	39,574.5
7) RX Reserve Shutdown Hours:	.0	.0	.0
8) Hours Generator on Line	441.0	1,929.2	38,954.2
9) Unit Reserve Shutdown Hours:	.0	.0	.0
10) Gross Thermal Energy (MWht):	1,094,300.0	5,906,641.1	119,941,468.1
11) Gross Elect. Energy (MWht):	373,461.0	2,049,711.0	40,864,298.0
12) Net Elect. Energy (MWh):	349,102.0	1,953,561.0	39,096,378.0
13) Reactor Service Factor	65.3	54.5	77.3
14) Reactor Availability Factor:	65.3	54.5	77.3
15) Unit Service Factor:	59.3	53.2	76.1
16) Unit Availability Factor:	59.3	53.2	76.1
17) Unit Capacity Factor (MDC NET):	41.9	48.1	68.2
18) Unit Capacity Factor (DER NET):	41.9	48.1	68.2
19) Unit Forced Outage Rate:	.0	.0	9.1
20) Unit Forced Outage Hours:	.0	.0	3905.1
21) Shutdown Schedule Over Next 6 Months.			
22) If Shutdown at End of Reporting Period, Estimated Date of Startup			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

Docket No.: 50 - 456  
Unit: Braidwood 1  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

MONTH: May 1994

<u>Day</u>	<u>MWe-net</u>	<u>Day</u>	<u>MWe-net</u>
1)	- 15	16)	259
2)	- 14	17)	444
3)	- 12	18)	536
4)	- 13	19)	533
5)	- 12	20)	623
6)	- 12	21)	1050
7)	- 14	22)	1070
8)	- 20	23)	1066
9)	- 19	24)	1064
10)	- 19	25)	1063
11)	- 19	26)	1064
12)	- 19	27)	1076
13)	45	28)	1066
14)	179	29)	1085
15)	261	30)	1124 *
		31)	1123 *

\* Due to condenser efficiency.

D. UNIT SHUTDOWNS/REDUCTIONS

Docket No.: 50 - 456  
 Unit: Braidwood 1  
 Date: 6/10/94  
 Completed by: Chris Pershey  
 Telephone: 815-458-2801

REPORT PERIOD: May 1994

<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 &amp; Corrective Action to Prevent Recurrence</u>
17	940501	S	303.0	C	1			REFUEL OUTAGE	

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

E. SAFETY/RELIEF VALVE OPERATIONS

Docket No.: 50 - 456  
Unit: Braidwood 1  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

<u>Date</u>	<u>Valves Actuated</u>	<u>No. &amp; Type Actuation</u>	<u>Plant Condition</u>	<u>Description of Event</u>
-------------	------------------------	---------------------------------	------------------------	-----------------------------

NONE

F. LICENSEE EVENT REPORTS

Docket No.: 50 - 456  
Unit: Braidwood 1  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, May 1 through May 31, 1994. 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>
94-007	05/06/94	Steam Generator Tubes Degraded due to Axial Outer Diameter Stress Corrosion Cracking.
94-008	05/16/94	Both Diesel Generators Inoperable due to Misinterpretation of Surveillance Data.
94-009	05/25/94	Unexpected Reactor Protection System Actuation due to Procedural Deficiency.



A. SUMMARY OF OPERATING EXPERIENCE

Docket No.: 50 - 457  
Unit: Braidwood 2  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

Braidwood Unit 2 entered the month of May 1994 in a forced outage due to a fault in the 2E Main Power Transformer. The Unit went back on line on May 29, and progressed with power ascension through the end of the month.

E. OPERATING DATA REPORT

Docket No.: 50 - 457  
 Unit: Braidwood 2  
 Date: 6/10/94  
 Completed by: Chris Pershey  
 Telephone: 815-458-2801

OPERATING STATUS

- 1) Reporting Period: May 1994 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 restrictions (if any): None

	<u>This Mo.</u>	<u>Yr. to Date</u>	<u>Cumulative</u>
5) Report Period Hours:	744.0	3,623.0	49,258.0
6) Hours Reactor Critical:	73.9	2,344.6	40,658.7
7) RX Reserve Shutdown Hours:	.0	.0	.0
8) Hours Generator on Line	63.2	2,333.9	40,320.2
9) Unit Reserve Shutdown Hours:	.0	.0	.0
10) Gross Thermal Energy (MWht):	62,421.3	6,811,118.9	121,361,737.2
11) Gross Elect. Energy (MWht):	16,522.0	2,350,776.0	41,464,599.0
12) Net Elect. Energy (MWH):	4,255.0	2,262,067.0	39,728,650.0
13) Reactor Service Factor	9.9	64.7	82.5
14) Reactor Availability Factor:	9.9	64.7	82.5
15) Unit Service Factor:	8.5	64.4	81.9
16) Unit Availability Factor:	8.5	64.4	81.9
17) Unit Capacity Factor (MDC NET):	0.5	55.7	72.0
18) Unit Capacity Factor (DER NET):	0.5	55.7	72.0
19) Unit Forced Outage Rate:	91.5	35.6	6.4
20) Unit Forced Outage Hours:	680.8	1289.1	2735.1
21) Shutdown Schedule Over Next 6 Months.	9/94		
22) If Shutdown at End of Reporting Period, Estimated Date of Startup			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

Docket No.: 50 - 457  
Unit: Braidwood 2  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

MONTH: May 1994

<u>Day</u>	<u>MWe-net</u>	<u>Day</u>	<u>MWe-net</u>
1)	- 15	16)	- 14
2)	- 13	17)	- 14
3)	- 12	18)	- 14
4)	- 12	19)	- 14
5)	- 12	20)	- 14
6)	- 12	21)	- 14
7)	- 14	22)	- 15
8)	- 20	23)	- 15
9)	- 18	24)	- 15
10)	- 18	25)	- 15
11)	- 19	26)	- 15
12)	- 19	27)	- 14
13)	- 16	28)	- 15
14)	- 14	29)	74
15)	- 14	30)	259
		31)	265

\* Due to condenser efficiency.

D. UNIT SHUTDOWNS/REDUCTIONS

Docket No.: 50 - 457  
 Unit: Braidwood 2  
 Date: 6/10/94  
 Completed by: Chris Pershey  
 Telephone: 815-458-2801

REPORT PERIOD: May 1994

<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 &amp; Corrective Action to Prevent Recurrence</u>
26	940501	F	680.8	A	3		EL	XFMR	2E Main Power Transformer Failed.

---

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

E. SAFETY/RELIEF VALVE OPERATIONS

Docket No.: 50 - 457  
Unit: Braidwood 2  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

<u>Date</u>	<u>Valves Actuated</u>	<u>No. &amp; Type Actuation</u>	<u>Plant Condition</u>	<u>Description of Event</u>
NONE				

F. LICENSEE EVENT REPORTS

Docket No.: 50 - 457  
Unit: Braidwood 2  
Date: 6/10/94  
Completed by: Chris Pershey  
Telephone: 815-458-2801

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, May 1 through May 31, 1994. 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>
94-003	05/05/94	Reactor Trip due to Main Power Transformer Failure.
94-004	05/06/94	Missed Technical Surveillance Requirement for Shutdown Margin due to Procedural Deficiency.