



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

September 8, 1994
BW/94-0151

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 August 1 through August 31, 1994.



K. L. Kotron
Station Manager
Braidwood Nuclear Power Station

KLK/CEP/dla

Attachments

cc: J. B. Martin, U.S.N.R.C., Region III
R. R. Assa, U.S.N.R.C.
I.D.N.S.
U.S.N.R.C. Resident Inspector, Braidwood
INPO Records Center
D. L. Farrar, Nuclear Regional Service Mgr.
D. M. Saccomando, Nuclear Licensing Admin.
D. R. Eggett, Nuclear Engineering Dept.
K. L. Kaup, Site Vice President, Braidwood
NFS, PWR Plant Support
P. L. Habel, Unit 1 Operating Engineer
J. P. Kuchenbecker, Unit 2 Operating Engineer
Nuclear Group, Systems Engineering, Bwd
I.D.N.S. Resident Inspector, Braidwood
J. M. Bunecicky, Westinghouse
D. R. Seavers, A.N.I.

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BRAIDWOOD NUCLEAR POWER STATION

UNIT 1 AND UNIT 2

MONTHLY PERFORMANCE REPORT

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NRC DOCKET NO. 050-456, LICENSE NO. NPF - 72

NRC DOCKET NO. 050-457, LICENSE NO. NPF - 77

A. OPERATING DATA REPORT

Docket No: 50 - 456

Unit: Braidwood 1

Date: 9/10/1994

Completed by: Chris Pershey

Telephone: 815-458-2801

OPERATING STATUS

1) Reporting Period: August 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	5,831.0	53,384.0
6) Hours Reactor Critical:	631.3	4,071.6	41,669.8
7) RX Reserve Shutdown Hours:	.0	.0	.0
8) Hours Generator on Line:	618.6	4,011.8	41,036.8
9) Unit Reserve Shutdown Hours:	.0	.0	.0
10) Gross Thermal Energy (MWh):	1,807,795.9	12,643,280.8	127,391,603.7
11) Gross Elect. Energy (MWh):	612,877.0	4,347,373.0	43,161,960.0
12) Net Elect. Energy (MWh):	585,215.0	4,163,982.0	41,306,799.0
13) Reactor Service Factor:	84.9	69.8	78.1
14) Reactor Availability Factor:	84.9	69.8	78.1
15) Unit Service Factor:	83.1	68.8	76.9
15) Unit Availability Factor:	83.1	68.8	76.9
17) Unit Capacity Factor (MDC NET):	70.2	63.8	69.1
18) Unit Capacity Factor (DER NET):	70.2	63.8	69.1
19) Unit Forced Outage Rate:	16.9	3.0	8.9
20) Unit Forced Outage Hours:	125.4	125.4	4030.5

21) Shutdown Schedule Over Next 6 Months:

22) If Shutdown at End of Reporting Period,
 Estimated Date of Startup:

B. AVERAGE DAILY UNIT NET POWER LEVEL LOG

Docket No: 50 - 456

Unit: Braidwood 1

Date: 9/10/1994

Completed by: Chris Pershey

Telephone: 815-458-2801

MONTH: August 1994

<u>Day</u>	<u>MWe-net</u>	<u>Day</u>	<u>MWe-net</u>
1)	1121 *	16)	250
2)	1120	17)	248
3)	1108	18)	344
4)	1117	19)	128
5)	1127 *	20)	7
6)	1094	21)	563
7)	1041	22)	1019
8)	1093	23)	1116
9)	1128 *	24)	1118
10)	1128 *	25)	1116
11)	485	26)	1118
12)	-14	27)	1117
13)	-14	28)	1118
14)	-15	29)	1121 *
15)	225	30)	1123 *
		31)	1122 *

* Due to condenser efficiency

C. UNIT SHUTDOWNS/REDUCTIONS

Docket No.: 50 - 456
Unit: Braidwood 1
Date: 9/10/1994
Completed by: Chris Pershey
Telephone: 815-458-2801

REPORT PERIOD: August 1994

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18	940811	F	85.8	A	3	94-012	EF GR JE	ECBD	Main Steamline Isolation caused by a failed output transistor on the Safeguards Output Driver Board. The defective Safeguards Output Driver Board was replaced and the system was thoroughly tested prior to returning to service.
19	940819	F	39.6	A	1	N/A	SI	RPD	Heater Drain Tank was overfilled during 8/15/94 startup stressing the tank's rupture disc. The rupture disc blew 8/19/94 so the unit was shut down to install a replacement. Operators will be trained on this event.

*** SUMMARY *** Unit 1 entered the month of August 1994 with 100% capability. An automatic shutdown occurred 8/11/94 due to a defective electronic circuit board. The unit was manually shutdown on 8/19/94 to replace the Heater Drain Tank rupture disc which failed. The unit operated routinely the remainder of the month.

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

D. SAFETY/RELIEF VALVE OPERATIONS

Docket No.: 50 - 456
Unit: Braidwood 1
Date: 9/10/1994
Completed by: Craig Ingold
Telephone: 815-458-2801

<u>Date</u>	<u>Valves Actuated</u>	<u>No. & Type Actuation</u>	<u>Plant Condition</u>	<u>Description of Event</u>
940811	1RY455A 1RY456	1 - Open signal due to RCS pressure transient caused by reactor trip.	Post trip, mode 3	Reactor trip was caused by a spurious Main Steam isolation signal resulting in a post trip RCS pressure rise and PORV actuation.

A. OPERATING DATA REPORT

Docket No: 50 - 457
 Unit: Braidwood 2
 Date: 9/10/1994
 Completed by: Chris Pershey
 Telephone: 815-458-2801

OPERATING STATUS

1) Reporting Period: August 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	5,831.0	51,466.0
6) Hours Reactor Critical:	712.1	4,520.7	42,834.8
7) RX Reserve Shutdown Hours:	.0	.0	.0
8) Hours Generator on Line:	707.8	4,505.7	42,492.0
9) Unit Reserve Shutdown Hours:	.0	.0	.0
10) Gross Thermal Energy (MWHt):	2,263,461.1	13,837,048.9	130,588,707.0
11) Gross Elect. Energy (MWH):	800,981.0	4,771,574.0	43,885,397.0
12) Net Elect. Energy (MWH):	759,506.0	4,593,020.0	42,059,603.0
13) Reactor Service Factor:	95.7	77.5	83.2
14) Reactor Availability Factor:	95.7	77.5	83.2
15) Unit Service Factor:	95.1	77.3	82.6
16) Unit Availability Factor:	95.1	77.3	82.6
17) Unit Capacity Factor (MDC NET):	92.3	70.3	73.0
18) Unit Capacity Factor (DER NET):	92.3	70.3	73.0
19) Unit Forced Outage Rate:	4.9	22.7	6.1
20) Unit Forced Outage Hours:	36.2	1325.3	2771.3

21) Shutdown Schedule Over Next 6 Months: 10/8/94

22) If Shutdown at end of Reporting Period,
 Estimated Date of Startup:

B. AVERAGE DAILY UNIT NET POWER LEVEL LOG

Docket No: 50 - 457

Unit: Braidwood 2

Date: 9/10/1994

Completed by: Chris Pershey

Telephone: 815-458-2801

MONTH: August 1994

<u>Day</u>	<u>MWe-net</u>	<u>Day</u>	<u>MWe-net</u>
1)	1111	16)	1116
2)	823	17)	1113
3)	-15	18)	1112
4)	302	19)	1107
5)	753	20)	1106
6)	1123 *	21)	1119
7)	1123 *	22)	1120
8)	1123 *	23)	1121 *
9)	1124 *	24)	1123 *
10)	1123 *	25)	1121 *
11)	1117	26)	1117
12)	1118	27)	1118
13)	1113	28)	1118
14)	1108	29)	1121 *
15)	1121 *	30)	1123 *
		31)	1126 *

* Due to condenser efficiency

C. UNIT SHUTDOWNS/REDUCTIONS

Docket No.: 50 - 457
Unit: Braidwood 2
Date: 9/10/1994
Completed by: Chris Pershey
Telephone: 815-458-2801

REPORT PERIOD: August 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 & Corrective Action to Prevent Recurrence</u>
27	940802	F	36.2	A	3	94-005	FW	Positioner	Feedwater regulating valve failed closed due to spiral o-ring failure. The positioner was replaced. A replacement positioner is being sought.

*** SUMMARY *** Unit 2 entered the month of August 1994 with 100% capability. An automatic trip occurred on 8/2/94 due to an o-ring failure on a Feedwater Regulating Valve. The valve was repaired and the unit was returned to service. The unit operated routinely the remainder of the month.

<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 & Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161).
S - Scheduled	B - Maint or Test	2 - Manual Scram	
	C - Refueling	3 - Auto Scram	
	D - Regulatory Restriction	4 - Continued	
	E - Operator Training & Licensee Examination	5 - Reduced Load	
	F - Administration		
	G - Operator Error		
	H - Other		

D. SAFETY RELIEF VALVE OPERATIONS

Docket No.: 50 - 457

Unit: Braidwood 2

Date: 9/10/1994

Completed by: Kevin Knight

Telephone: 815-458-2801

<u>Date</u>	<u>Vaives Actuated</u>	<u>No. & Type Actuation</u>	<u>Plant Condition</u>	<u>Description of Event</u>
None				