

Commonwealth Edison Company
Braidwood Generating Station
Route #1, Box 84
Braceville, IL 60407-9619
Tel 815-458-2801



January 3, 1997
BW/97-0001

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

Subject: Monthly Operating Report for December, 1996
Braidwood Nuclear Power Station, Units 1 and 2
Facility Operating Licenses NPF-72 and NPF-77
NRC Docket Nos. 50-456 and 50-457

Ladies and Gentlemen:

In accordance with Technical Specification 6.9.1.8, enclosed you will find the Monthly Operating Report for Commonwealth Edison Company's (ComEd's) Braidwood Nuclear Power Station, Units 1 and 2, covering the period December 1, 1996 through December 31, 1996.

Please address any comments or questions regarding this matter to Chris Pershey at (815) 458-2801, extension 2173.

Very truly yours,

A handwritten signature in dark ink, appearing to read "T. J. Tulon", is written over the typed name.

T.J. Tulon
Station Manager
Braidwood Nuclear Station

TJT/CP/bl
O:\CORRESP\ZCSTECH\BW97-0001

Enclosures

cc: A. B. Beach, Regional Administrator - RIII
R. R. Assa, Braidwood Project Manager - NRR
C. J. Phillips, Senior Resident Inspector - Braidwood
T. J. Esper, IDNS Resident Inspector - Braidwood
Office of Nuclear Facility Safety - IDNS

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BRAIDWOOD NUCLEAR POWER STATION

UNIT 1 AND UNIT 2

MONTHLY PERFORMANCE REPORT

ComEd

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: 01/03/1997

Completed by: Chris Pershey

Telephone: 815-458-2801

OPERATING STATUS

1) Reporting Period: December 1996 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	8784	73857
6) Hours Reactor Critical:	691.4	7,047.5	58,025.4
7) RX Reserve Shutdown Hours:	0.0	0.0	0.0
8) Hours Generator on Line:	683.9	7,023.0	57,203.7
9) Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10 Gross Thermal Energy (MWh):	2,050,323	22,973,434	183,508,574
11 Gross Elect. Energy (MWh):	704,756	7,219,784	60,610,104
12 Net Elect. Energy (MWh):	674,827	6,934,041	58,061,401
13 Reactor Service Factor:	92.9	80.2	78.6
14 Reactor Availability Factor:	92.9	80.2	78.6
15 Unit Service Factor:	91.9	80.0	77.5
16 Unit Availability Factor:	91.9	80.0	77.5
17 Unit Capacity Factor (MDC NET):	81.0	70.5	70.2
18 Unit Capacity Factor (DER NET):	81.0	70.5	70.2
19 Unit Forced Outage Rate:	0.0	6.6	7.6
20 Unit Forced Outage Hours:	0.0	499.9	4,714.4

21 Shutdown Schedule Over Next 6 Months: Refueling Outage 03/29/97

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: 01/03/1997

Completed by: Chris Pershey

Telephone: 815-458-2801

MONTH: December 1996

<u>Day</u>	<u>MWe-net</u>	<u>Day</u>	<u>MWe-net</u>
1)	-15	16)	1117
2)	-15	17)	1131 *
3)	72	18)	1131 *
4)	171	19)	1129 *
5)	170	20)	1128 *
6)	189	21)	1131 *
7)	698	22)	1133 *
8)	1072	23)	1131 *
9)	1074	24)	1130 *
10)	1075	25)	1131 *
11)	1084	26)	1132 *
12)	1118	27)	1130 *
13)	1119	28)	1132 *
14)	1099	29)	1131 *
15)	1115	30)	1131 *
		31)	1132 *

* Due to condenser efficiency

C. UNIT SHUTDOWNS/REDUCTIONS

Docket No.: 50 - 456
 Unit: Braidwood 1
 Date: 01/03/97
 Completed by: Chris Pershey
 Telephone: 815-458-2801

REPORT PERIOD: December 1996

<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>
7	961201	S	60.1	B	4	N/A	RC	TBG	Continuation of scheduled maintenance outage to allow inspection of steam generator tubing.

SUMMARY

Unit 1 entered the month of December continuing a scheduled maintenance outage to inspect the steam generator tubing. The unit returned to service December 3rd and 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 - 456
Unit: Braidwood 1
Date: 01/03/97
Completed by: Ted Eliakis
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>
None				

A. OPERATING DATA REPORT

Docket No: 50 - 457

Unit: Braidwood 2

Date: 01/03/1997

Completed by: Chris Pershey

Telephone: 815-458-2801

OPERATING STATUS

1) Reporting Period: December 1996	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	8784	71939
6) Hours Reactor Critical:	744.0	7,367.7	60,789.1
7) RX Reserve Shutdown Hours:	0.0	0.0	0.0
8) Hours Generator on Line:	744.0	7,350.0	60,376.1
9) Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10) Gross Thermal Energy (MWHt):	2,520,596	24,385,659	195,248,096
11) Gross Elect. Energy (MWH):	865,696	8,324,484	64,230,271
12) Net Elect. Energy (MWH):	833,957	8,002,310	61,638,078
13) Reactor Service Factor:	100.0	83.9	84.5
14) Reactor Availability Factor:	100.0	83.9	84.5
15) Unit Service Factor:	100.0	83.7	83.9
16) Unit Availability Factor:	100.0	83.7	83.9
17) Unit Capacity Factor (MDC NET):	100.1	81.3	76.5
18) Unit Capacity Factor (DER NET):	100.1	81.3	76.5
19) Unit Forced Outage Rate:	0.0	0.0	4.7
20) Unit Forced Outage Hours:	0.0	0.0	2,947.6

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 - 457

Unit: Braidwood 2

Date: 01/03/1997

Completed by: Chris Pershey

Telephone: 815-458-2801

MONTH: December 1996

<u>Day</u>	<u>MWe-net</u>	<u>Day</u>	<u>MWe-net</u>
1)	1104	16)	1125 *
2)	1104	17)	1123 *
3)	1111	18)	1122 *
4)	1118	19)	1122 *
5)	1119	20)	1124 *
6)	1119	21)	1127 *
7)	1119	22)	1053
8)	1121 *	23)	1126 *
9)	1129 *	24)	1122 *
10)	1127 *	25)	1123 *
11)	1130 *	26)	1126 *
12)	1131 *	27)	1127 *
13)	1131 *	28)	1127 *
14)	1125 *	29)	1126 *
15)	1121 *	30)	1126 *
		31)	1124 *

* Due to condenser efficiency

C. UNIT SHUTDOWNS/REDUCTIONS

Docket No.: 50 - 457
Unit: Braidwood 2
Date: 01/03/97
Completed by: Chris Pershey
Telephone: 815-458-2801

REPORT PERIOD: December 1996

<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>
None									

SUMMARY

Unit 2 entered the month of December 1996 at 100% capability and operated routinely the entire 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
S - Scheduled	B - Maint or Test	2 - Manual Scram	Preparation of Data Entry Sheet
	C - Refueling	3 - Auto Scram	Licenses Event Report (LER) File
	D - Regulatory Restriction	4 - Continued	(NUREG-0161).
	E - Operator Training & License Examination	5 - Reduced Load	
	F - Administration		
	G - Operator Error		
	H - Other		

D. SAFETY/RELIEF VALVE OPERATIONS

Docket No.: 50 - 457
 Unit: Braidwood 2
 Date: 01/03/97
 Completed by: Ted Eliakis
 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>
None				