

Exelon Generation Company, LLC www.exeloncorp.com
Braidwood Station
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Tel. 815-417-2000

January 14, 2005
BW050004

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

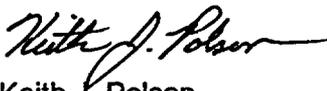
Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: Monthly Operating Report

In accordance with Technical Specification 5.6.4, "Monthly Operating Reports," we are submitting the Monthly Operating Report for Braidwood Station, Units 1 and 2. This report covers the period of December 1, 2004 through December 31, 2004.

If you have any questions regarding this letter, please contact Mr. Dale Ambler, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,



Keith J. Polson
Site Vice President
Braidwood Station

Attachment
DH/law

cc: Regional Administrator – NRC Region III
 NRC Senior Resident Inspector – Braidwood Station

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ATTACHMENT

**BRAIDWOOD STATION UNITS 1 AND 2
MONTHLY OPERATING REPORT**

EXELON GENERATION COMPANY, LLC

FACILITY OPERATING LICENSE NOS. NPF-72 AND NPF-77

NRC DOCKET NOS. STN 50-456 AND STN 50-457

Docket No: 50-456
 Unit: Braidwood 1
 Date: 01/05/2005
 Completed by: Don Hildebrant
 Telephone: (815)417-2173

Braidwood Unit 1 Reporting Period: December 2004

A. OPERATING DATA REPORT

Design Electrical Rating (MWe Net)	1187
Maximum Dependable Capacity (MWe Net)	1161

	Month	Year To Date	Cumulative
Hours Reactor Critical (Hours)	744.0	8,325.1	123,192.7
Hours Generator on Line (Hours)	744.0	8,310.0	122,204.8
Unit Reserve Shutdown (Hours)	0.0	0.0	0.0
Net Electrical Energy (MWh)	895,646	9,807,187	132,999,374

B. UNIT SHUTDOWNS

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>
F - Forced	A - Equipment Failure (explain)	1 - Manual
S - Scheduled	B - Maintenance or Test	2 - Manual Trip / Scram
	C - Refueling	3 - Automatic Trip / Scram
	D - Regulatory Restriction	4 - Continuation
	E - Operator Training / Licensee Examination	5 - Other (explain)
	F - Administrative	
	G - Operator Error (explain)	
	H - Other (explain)	

No	Date	Type	Duration Hours	Reason	Method	Cause and Corrective Actions and Comments
	None					

SUMMARY
 Unit operated normally except for three derate periods during the month. 1) 12/13 the C Low Pressure Heater string isolated due to level control instrumentation problems, derate 1457 MWh (IR 281958), 2) 12/22 Feedwater Pump swap following maintenance activities, derate 273 MWh, 3) 12/22 Low Pressure Heaters 12A, B, C level control instrumentation problems resulting in a ramp down, derate 576 MWh (IR 285029).

C. SAFETY / RELIEF VALVE OPERATIONS

Date	Valves Actuated	No. & Type Actuation	Plant Condition	Description of Event
None				

Data From: Production Data Bank and Operator Logs

Docket No: 50-457
 Unit: Braidwood 2
 Date: 01/05/2005
 Completed by: Don Hildebrant
 Telephone: (815)417-2173

Braidwood Unit 2 Reporting Period: December 2004

A. OPERATING DATA REPORT

Design Electrical Rating (MWe Net)	1155
Maximum Dependable Capacity (MWe Net)	1129

	Month	Year To Date	Cumulative
Hours Reactor Critical (Hours)	728.1	8,768.1	127,201.4
Hours Generator on Line (Hours)	717.0	8,757.0	126,541.9
Unit Reserve Shutdown (Hours)	0.0	0.0	0.0
Net Electrical Energy (MWh)	824,139	10,200,980	137,339,780

B. UNIT SHUTDOWNS

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>
F - Forced	A - Equipment Failure (explain)	1 - Manual
S - Scheduled	B - Maintenance or Test	2 - Manual Trip / Scram
	C - Refueling	3 - Automatic Trip / Scram
	D - Regulatory Restriction	4 - Continuation
	E - Operator Training / Licensee Examination	5 - Other (explain)
	F - Administrative	
	G - Operator Error (explain)	
	H - Other (explain)	

No	Date	Type	Duration Hours	Reason	Method	Cause and Corrective Actions and Comments
1	12/22/2004	F	28.13	A	3	Unit tripped due to a level controller failure on the 2C Steam Generator, see IR 285216 for details.

SUMMARY

Unit operated normally until 12/22 when the Unit tripped due to a level controller failure on the 2C Steam Generator, derate 49,715 MWh (IR 285216)

C. SAFETY / RELIEF VALVE OPERATIONS

Date	Valves Actuated	No. & Type Actuation	Plant Condition	Description of Event
None				

Data From: Production Data Bank and Operator Logs