

Exelon Generation Company, LLC  
Dresden Nuclear Power Station  
6500 North Dresden Road  
Morris, IL 60450-9765

www.exeloncorp.com

March 15, 2002

PSLTR: #02-0017

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

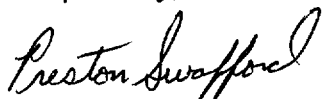
Dresden Nuclear Power Station, Units 2 and 3  
Facility Operating License Nos. DPR-19 and DPR-25  
Docket Nos. 50-237 and 50-249

Subject: Monthly Operating Report for February 2002

In accordance with Technical Specifications, Section 5.6.4, "Monthly Operating Reports," we are submitting the February 2002 - Monthly Operating Report for Dresden Nuclear Power Station, Units 2 and 3.

Should you have any questions concerning this letter, please contact Mr. Bob Rybak, Regulatory Assurance Manager, at (815) 416 - 2800.

Respectfully,



Preston Swafford  
Site Vice President  
Dresden Nuclear Power Station

Attachment

cc: Regional Administrator – NRC Region III  
NRC Senior Resident Inspector - Dresden Nuclear Power Station

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# **ATTACHMENT**

**DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3**

**MONTHLY OPERATING REPORT**

**FOR FEBRUARY 2002**

**EXELON GENERATION COMPANY, LLC**

**FACILITY OPERATING LICENSE NOS. DPR-19 AND DPR-25**

**NRC DOCKET NOS. 50-237 AND 50-249**

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## **V. Amendments to Facility Licenses or Technical Specifications**

No Amendments to Facility Licenses or Technical Specifications were issued in the month of February

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- A. Main Steam Relief and/or Safety Valve Operations

## **I. Introduction**

Dresden Nuclear Power Station (DNPS) is a two reactor generating facility owned and operated by the Exelon Generation Company, LLC. DNPS is located at the confluence of the Kankakee and Des Plaines Rivers, in Grundy County, near Morris, Illinois.

DNPS Unit 2 is a General Electric Boiling Water Reactor. DNPS Unit 2 is licensed at 2957 megawatts thermal. The gross electrical output is 912 megawatts, with design net electrical output ratings of 864 megawatts. The commercial service date for Unit 2 is August 11, 1970.

DNPS Unit 3 is a General Electric Boiling Water Reactor. DNPS Unit 3 is licensed at 2527 megawatts thermal. The gross electrical output of Unit 3 is 834 megawatts, with design net electrical output ratings of 795 megawatts. The commercial service date for Unit 3 is October 30, 1971.

Waste heat is rejected to a man-made cooling lake using the Kankakee River for make up and the Illinois River for blowdown.

The Architect-Engineer for DNPS Units 2 and 3 was Sargent and Lundy of Chicago, Illinois.

## **II. SUMMARY OF OPERATING EXPERIENCE FOR FEBRUARY 2002**

### **A. UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY**

From February 25 through February 28, 2002, Unit 2 operated between 725 and 850 MWe, for planned maintenance on Feedwater, Condensate, and Condensate Booster Pumps. Operation at full uprated power requires all of these pumps to be in operation. Therefore periods have been scheduled for power derates in order to perform routine maintenance on these pumps. With the exception of the above description and scheduled surveillances, Unit 2 operated at full power for the remainder of the period.

### **B. UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY**

Unit 3 operated throughout the period at full power except for short periods for maintenance and surveillances.

### **III. OPERATING DATA STATISTICS**

#### **A. Dresden Unit 2 Operating Data Report for February 2002**

DOCKET NO. 050-237  
DATE March 04, 2002  
COMPLETED BY Don Hamilton  
TELEPHONE (815) 416-3585

#### **OPERATING STATUS**

1. REPORTING PERIOD: February 2002
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,957  
MAXIMUM DEPENDABLE CAPACITY (MWe NET): 850 (estimated)  
DESIGN ELECTRICAL RATING (MWe Net): 864
3. POWER LEVEL TO WHICH RESTRICTED (MWe Net): No Restrictions
4. REASONS FOR RESTRICTIONS (IF ANY): See Section II.A of this report.

<b>Unit Two Monthly Operating Status</b>			
	<b>This Month</b>	<b>Year to Date</b>	<b>Cumulative</b>
5. Hours in Period	672	1,416	276,576
6. Reactor Critical - Hours	672	1,416	209,054
7. Reactor Reserve Shutdown - Hours	0	0	0
8. Hours Generator On-Line	672	1,416	200,565
9. Unit Reserve Shutdown - Hours	0	0	4
10. Thermal Energy Generated - MWHt Gross	1,877,185	3,977,925	433,362,589
11. Electrical Energy Generated - MWHe Gross	602,460	1,278,761	138,958,269
12. Electrical Energy Generated - MWHe Net	574,432	1,219,247	131,701,928
13. Reactor Service Factor - Percent	100.0%	100.0%	75.6%
14. Reactor Availability Factor - Percent	100.0%	100.0%	75.6%
15. Generator Service Factor - Percent	100.0%	100.0%	72.5%
16. Generator Availability Factor - Percent	100.0%	100.0%	72.5%
17. Capacity Factor - (Using MDC Net) Percent	100.6%	101.3%	56.0%
18. Capacity Factor - (Using DER Net) Percent	98.9%	99.7%	55.1%

### **III. OPERATING DATA STATISTICS**

#### **B. Dresden Unit 3 Operating Data Report for February 2002**

DOCKET NO. 050-249  
DATE March 04, 2002  
COMPLETED BY Don Hamilton  
TELEPHONE (815) 416-3585

#### **OPERATING STATUS**

1. REPORTING PERIOD: February 2002
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,527  
MAXIMUM DEPENDABLE CAPACITY (MWe Net): 773  
DESIGN ELECTRICAL RATING (MWe Net): 795
3. POWER LEVEL TO WHICH RESTRICTED: No Restrictions
4. REASONS FOR RESTRICTIONS (IF ANY): See Section II.B of this report.

Unit Three Monthly Operating Status			
	This Month	Year to Date	Cumulative
5. Hours in Period	672	1,416	265,896
6. Reactor Critical - Hours	672	1,416	196,434
7. Reactor Reserve Shutdown - Hours	0	0	0
8. Hours Generator On-Line	672	1,416	188,577
9. Unit Reserve Shutdown - Hours	0	0	1
10. Thermal Energy Generated - MWHt Gross	1,696,141	3,567,705	407,744,052
11. Electrical Energy Generated - MWHt Gross	552,673	1,163,013	130,864,455
12. Electrical Energy Generated - MWHt Net	534,558	1,124,585	124,427,120
13. Reactor Service Factor - Percent	100.0%	100.0%	73.9%
14. Reactor Availability Factor - Percent	100.0%	100.0%	73.9%
15. Generator Service Factor - Percent	100.0%	100.0%	70.9%
16. Generator Availability Factor - Percent	100.0%	100.0%	70.9%
17. Capacity Factor - (Using MDC Net) Percent	102.9%	102.7%	60.5%
18. Capacity Factor - (Using DER Net) Percent	100.1%	99.9%	58.9%

#### **IV. UNIT SHUTDOWNS**

##### **A. Unit 2 Shutdowns for February 2002**

NO	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR(3)	CORRECTIVE ACTIONS/ COMMENTS
None						

##### **B. Unit 3 Shutdowns for February 2002**

NO	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR(3)	CORRECTIVE ACTIONS/ COMMENTS
None						

#### **LEGEND:**

##### **(1) Type:**

F – Forced  
S - Scheduled

##### **(2) Reason**

A. Equipment Failure (Explain)  
B. Maintenance or Test  
C. Refueling  
D. Regulatory Restriction  
E. Operator Training & Licensing Exam  
F. Administrative  
G. Operational Error  
H. Other (Explain)

##### **(3) Method**

1. Manual  
2. Manual Scram  
3. Automatic Scram  
4. Other (Explain)  
5. Load Reduction

#### **V. Amendments to Facility Licenses or Technical Specifications**

During the month of February there were no Facility Licenses or Technical Specification changes.

#### **VI. Unique Reporting Requirements**

##### **A. Main Steam Relief and/or Safety Valve Operations**

Unit 2 - None

Unit 3 -- None