

Commonwealth Edison Company  
Dresden Generating Station  
6500 North Dresden Road  
Morris, IL 60450-9765

www.exeloncorp.com

An Exelon Company

CFR 50.4

January 10, 2001

PSLTR: #01-0002

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

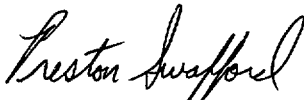
Dresden Nuclear Power Station Units 2 and 3  
Facility Operating License Nos. DPR-19 and DPR-25  
Docket Nos. 50-237 and 50-249

Subject: Monthly Operating Data Report for December 2000

In accordance with Technical Specification, Section 6.9.A, we are submitting the December 2000, Monthly Report for Dresden Nuclear Power Station, Units 2 and 3.

Should you have any questions concerning this letter, please contact Mr. D.F. Ambler, Regulatory Assurance Manager, at (815) 942-2920 extension 3800.

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

IE24

# **ATTACHMENT**

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

**MONTHLY OPERATING REPORT**

**FOR DECEMBER 2000**

**COMMONWEALTH EDISON COMPANY**

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

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

# **TABLE OF CONTENTS**

## **I. Introduction**

## **II. Summary of Operating Experience**

- A. Unit 2 Monthly Operating Experience Summary
- B. Unit 3 Monthly Operating Experience Summary

## **III. Operating Data Statistics**

- A. Operating Data Report - Dresden Unit 2
- B. Operating Data Report - Dresden Unit 3

## **IV. Unit Shutdowns**

- A. Unit 2 Shutdowns
- B. Unit 3 Shutdowns

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

## **VI. Unique Reporting Requirements**

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

## **I. Introduction**

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

Dresden Units 2 and 3 are General Electric Boiling Water Reactors; each licensed at 2527 megawatts thermal. The gross outputs of Units 2 and 3 are 832 and 834 megawatts electrical, respectively, with design net electrical output ratings of 795 MWe each. The commercial service date for Unit 2 is August 11, 1970 and October 30, 1971 for Unit 3.

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 Dresden Units 2 and 3 was Sargent and Lundy of Chicago, Illinois.

## **II. SUMMARY OF OPERATING EXPERIENCE FOR DECEMBER 2000**

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

Unit 2 scrambled at 3:55 p.m. on November 30, 2000 due to a failure to close Current Transformer knife switches following OCB Bushing Maintenance. Unit 2 returned to service on Saturday, December 2, 2000 and full power operation on Monday, December 4, 2000. The unit operated for the remainder of the period at full power except for short periods for maintenance and surveillances.

### **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 December 2000**

DOCKET NO. 050-237  
DATE January 10, 2000  
COMPLETED BY Sherry Butterfield  
TELEPHONE (815) 942-2920

#### **OPERATING STATUS**

1. REPORTING PERIOD: December, 2000
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,527  
MAXIMUM DEPENDABLE CAPACITY (MWe NET): 772  
DESIGN ELECTRICAL RATING (MWe Net): 795
3. POWER LEVEL TO WHICH RESTRICTED (MWe Net): No Restrictions
4. REASONS FOR RESTRICTIONS (IF ANY): See Section 2.1 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	744	8,784	266,400
6. Reactor Critical - Hours	715	8,747	199,516
7. Reactor Reserve Shutdown - Hours	0	0	0
8. Hours Generator On-Line	715	8,747	191,144
9. Unit Reserve Shutdown - Hours	0	0	4
10. Thermal Energy Generated - MWHt Gross	1,728,312	21,848,865	409,791,346
11. Electrical Energy Generated - MWHe Gross	572,423	7,178,825	131,324,142
12. Electrical Energy Generated - MWHe Net	548,369	6,867,434	124,409,987
13. Reactor Service Factor - Percent	96.1%	99.6%	74.9%
14. Reactor Availability Factor - Percent	96.1%	99.6%	74.9%
15. Generator Service Factor - Percent	96.1%	99.6%	71.8%
16. Generator Availability Factor - Percent	96.1%	99.6%	71.8%
17. Capacity Factor - (Using MDC Net) Percent	95.5%	101.3%	60.5%
18. Capacity Factor - (Using DER Net) Percent	92.8%	98.5%	58.8%
19. Forced Outage Factor - Percent	4%	4%	12.0%

### **III. OPERATING DATA REPORT**

#### **B. Dresden Unit Three Operating Data Report for December 2000**

DOCKET NO. 050-249  
DATE January 10, 2000  
COMPLETED BY Sherry Butterfield  
TELEPHONE (815) 942-2920

#### **OPERATING STATUS**

1. REPORTING PERIOD: December 2000
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 2.2 of this report.

Unit Three Monthly Operating Status			
	This Month	Year to Date	Cumulative
5. Hours in Period	744	8,784	255,720
6. Reactor Critical - Hours	744	8,328	186,580
7. Reactor Reserve Shutdown - Hours	0	0	0
8. Hours Generator On-Line	744	8,243	178,802
9. Unit Reserve Shutdown - Hours	0	0	1
10. Thermal Energy Generated - MWHt Gross	1,878,724	20,487,201	383,405,641
11. Electrical Energy Generated - MWHe Gross	618,435	6,618,728	122,976,747
12. Electrical Energy Generated - MWHe Net	596,198	6,365,117	116,836,583
13. Reactor Service Factor - Percent	100.0%	94.8%	73.4%
14. Reactor Availability Factor - Percent	100.0%	94.8%	73.4%
15. Generator Service Factor - Percent	100.0%	93.8%	70.0%
16. Generator Availability Factor - Percent	100.0%	93.8%	70.0%
17. Capacity Factor - (Using MDC Net) Percent	103.8%	93.9%	57.9%
18. Capacity Factor - (Using DER Net) Percent	100.9%	91.3%	56.3%
19. Forced Outage Factor - Percent	0	1.4%	12.4%

## IV. UNIT SHUTDOWNS

### A. Unit 2 Shutdowns for December 2000

NO	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR(3)	CORRECTIVE ACTIONS/ COMMENTS
1	11/30/00	F	29	*H	3	<ol style="list-style-type: none"> <li>Following the immediate investigation, the open knife switches were returned to the closed position and 345Kv OCB 2-7 was taken OOS for OAD to complete testing on all 6 bushings.</li> <li>Disciplinary actions were taken in accordance with station policy.</li> <li>Until corrective actions are finalized, all critical switchyard work requires 100 percent superintendent level overview.</li> <li>Unit 2 was synchronized to the grid at 5:45 a.m., Saturday, December 2, 2000, to end D2F35. Full power operation was achieved at 5:30 a.m., Monday, December 4, 2000.</li> </ol>

\*Unit 2 scrambled at 3:55 p.m. on November 30, 2000, due to a failure to close current transformer knife switches following OCB bushing maintenance.

### B. Unit 3 Shutdowns for December 2000

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**

Dresden Nuclear Power Station did not implement any Amendments to the facility licenses or Technical Specifications in December, 2000.

## **VI. Unique Reporting Requirements**

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

Unit 2 - None

Unit 3 - None