

Commonwealth Edison Company  
Dresden Generating Station  
6500 North Dresden Road  
Morris, IL 60450  
Tel 815-942-2920

10 CFR 50.54



December 10, 1999

JMHLTR: #99-0126

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 November 1999

In accordance with Technical Specification 6.9.A, we are submitting the November 1999 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,

  
J. M. Hefley  
Site Vice President  
Dresden Nuclear Power Station

Attachment

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

*IE24*

*PDR ADDA 0000237*  
A Unicom Company

# **ATTACHMENT**

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

**MONTHLY OPERATING REPORT**

**FOR NOVEMBER, 1999**

**COMMONWEALTH EDISON COMPANY**

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

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

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## 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 794 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 NOVEMBER 1999**

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

Unit 2 operated throughout 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 November 1999

DOCKET NO. 050-237  
DATE December 10, 1999  
COMPLETED BY Sherry Butterfield  
TELEPHONE (815) 942-2920

#### OPERATING STATUS

1. REPORTING PERIOD: November, 1999
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,527  
MAXIMUM DEPENDABLE CAPACITY (MWe NET): 772  
DESIGN ELECTRICAL RATING (MWe Net): 794
3. POWER LEVEL TO WHICH RESTRICTED (MWe Net): No Restrictions
4. REASONS FOR RESTRICTIONS (IF ANY): See Section 2.1 of this report.

Unit Two Monthly Operating Status			
	This Month	Year to Date	Cumulative
5. Hours in Period	720	8,016	256,872
6. Reactor Critical - Hours	720	7,404	190,025
7. Reactor Reserve Shutdown - Hours	0	0	0
8. Hours Generator On-Line	720	7,378	181,653
9. Unit Reserve Shutdown - Hours	0	0	4
10. Thermal Energy Generated - MWh Gross	1,697,579	18,147,377	386,071,442
11. Electrical Energy Generated - MWe Gross	558,999	5,892,240	123,523,976
12. Electrical Energy Generated - MWe Net	534,541	5,635,359	116,948,392
13. Reactor Service Factor - Percent	100.0%	92.4%	74.0%
14. Reactor Availability Factor - Percent	100.0%	92.4%	74.0%
15. Generator Service Factor - Percent	100.0%	92.0%	70.7%
16. Generator Availability Factor - Percent	100.0%	92.0%	70.7%
17. Capacity Factor - (Using MDC Net) Percent	96.2%	91.1%	59.0%
18. Capacity Factor - (Using DER Net) Percent	93.5%	88.5%	57.3%
19. Forced Outage Factor - Percent	0%	0.0%	12.0%

### III. OPERATING DATA REPORT

#### **B. Dresden Unit Three Operating Data Report for November 1999**

DOCKET NO. 050-249  
DATE December 10, 1999  
COMPLETED BY Sherry Butterfield  
TELEPHONE (815) 942-2920

#### **OPERATING STATUS**

1. REPORTING PERIOD: November 1999
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth): 2,527  
MAXIMUM DEPENDABLE CAPACITY (MWe Net): 773  
DESIGN ELECTRICAL RATING (MWe Net): 794
3. POWER LEVEL TO WHICH RESTRICTED: No Restrictions
4. REASONS FOR RESTRICTIONS (IF ANY): See Section 2.2 of this report.

<b>Unit Three Monthly Operating Status</b>			
	<b>This Month</b>	<b>Year to Date</b>	<b>Cumulative</b>
5. Hours in Period	720	8,016	246,192
6. Reactor Critical - Hours	720	7,349	177,544
7. Reactor Reserve Shutdown - Hours	0	0	0
8. Hours Generator On-Line	720	7,301	169,882
9. Unit Reserve Shutdown - Hours	0	0	1
10. Thermal Energy Generated - MWHt Gross	1,817,153	17,986,825	361,239,250
11. Electrical Energy Generated - MWHe Gross	590,574	5,833,610	115,812,413
12. Electrical Energy Generated - MWHe Net	568,090	5,605,093	109,946,601
13. Reactor Service Factor - Percent	100.0%	91.7%	73.4%
14. Reactor Availability Factor - Percent	100.0%	91.7%	73.4%
15. Generator Service Factor - Percent	100.0%	91.1%	70.0%
16. Generator Availability Factor - Percent	100.0%	91.1%	70.0%
17. Capacity Factor - (Using MDC Net) Percent	102.2%	90.6%	57.9%
18. Capacity Factor - (Using DER Net) Percent	99.4%	88.1%	56.3%
19. Forced Outage Factor - Percent	0%	0.9%	12.4%

## IV. UNIT SHUTDOWNS

### A. Unit 2 Shutdowns for November 1999

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



## IV. UNIT 3 SHUTDOWNS

### B. Unit 3 Shutdowns for November 1999

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

<b>LEGEND:</b>		
<b>(1) Type:</b> F - Forced S - Scheduled	<b>(2) Reason</b> 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)	<b>(3) Method</b> 1. Manual 2. Manual Scram 3. Automatic Scram 4. Other (Explain) 5. Load Reduction

**Amendments to Facility License or Technical Specifications**

No Amendments were implemented in the month of November.

**VI. Unique Reporting Requirements**

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

Unit 2 - None

Unit 3 - None