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

10 CFR 50.4

ComEd

January 10, 2000

JMHLTR: #00-44

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 1999

In accordance with Technical Specification 6.9.A, we are submitting the December 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. Heffley
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 DECEMBER, 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 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 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

On December 11, 1999 at 0111, during performance of DOS 5600-02, Weekly Turbine Checks, Step 1.4.1.4 Oil Trip Checks, a turbine trip and reactor Scram was received. Unit 3 was back on-line at 2144 on December 13, 1999.

III. OPERATING DATA STATISTICS

A. Dresden Unit 2 Operating Data Report for December 1999

DOCKET NO. 050-237
DATE January 10, 2000
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): 795
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	744	8,760	257,616
6. Reactor Critical - Hours	744	8,148	190,769
7. Reactor Reserve Shutdown – Hours	0	0	0
8. Hours Generator On-Line	744	8,122	182,397
9. Unit Reserve Shutdown – Hours	0	0	4
10.Thermal Energy Generated – MWHt Gross	1,871,039	20,018,416	387,942,481
11. Electrical Energy Generated – MWHe Gross	621,341	6,513,581	124,145,317
12. Electrical Energy Generated – MWHe Net	594,161	6,229,520	117,542,553
13. Reactor Service Factor – Percent	100.0%	93.0%	74.1%
14. Reactor Availability Factor – Percent	100.0%	93.0%	74.1%
15. Generator Service Factor – Percent	100.0%	92.7%	70.8%
16. Generator Availability Factor – Percent	100.0%	92.7%	70.8%
17. Capacity Factor – (Using MDC Net) Percent	103.4%	92.1%	59.1%
18. Capacity Factor – (Using DER Net) Percent	100.6%	89.6%	57.5%
19. Forced Outage Factor – Percent	0%	0.0%	12.0%

III. OPERATING DATA REPORT

B. Dresden Unit Three Operating Data Report for December 1999

DOCKET NO. 050-249
DATE January 10, 2000
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): 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	8,760	246,936
6. Reactor Critical - Hours	707.83	8,057	178,251
7. Reactor Reserve Shutdown – Hours	0	0	0
8. Hours Generator On-Line	677	7,978	170,559
9. Unit Reserve Shutdown – Hours	0	0	1
10.Thermal Energy Generated – MWHt Gross	1,679,190	19,666,015	362,918,440
11. Electrical Energy Generated – MWHe Gross	545,606	6,379,216	116,358,019
12. Electrical Energy Generated – MWHe Net	524,865	6,129,958	110,471,466
13. Reactor Service Factor – Percent	95.1%	92.0%	73.4%
14. Reactor Availability Factor – Percent	95.1%	92.0%	73.4%
15. Generator Service Factor – Percent	91.0%	91.1%	70.0%
16. Generator Availability Factor – Percent	91.0%	91.1%	70.0%
17. Capacity Factor – (Using MDC Net) Percent	91.4%	90.6%	57.9%
18. Capacity Factor – (Using DER Net) Percent	88.8%	88.1%	56.3%
19. Forced Outage Factor – Percent	9%	1.7%	12.4%

IV. UNIT SHUTDOWNS

A. Unit 2 Shutdowns for December 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 December 1999

NO	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR(3)	CORRECTIVE ACTIONS/ COMMENTS
1.	12/11/99	F	67	2A	3	Replaced the XK3 and XK1 lockout relays and sockets.

Reason Explanation: During performance of DOS 5600-02 Weekly Turbine Checks, a turbine trip and reactor Scram was received. It has been determined that the trip was caused by a faulty XK3 relay socket.

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

Amendments to Facility License or Technical Specifications

No amendments were implemented for Dresden Station in December 1999.

VI. Unique Reporting Requirements

A. Main Steam Relief and/or Safety Valve Operations

Unit 2 - None
Unit 3 – None