

Commonwealth Edison Company
Dresden Generating Station
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December 6, 1996

JSPLTR 96-0231

U. S. Nuclear Regulatory Commission
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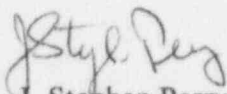
Subject: Monthly Operating Data Report for November 1996
Dresden Nuclear Power Station
Commonwealth Edison Company
Docket Nos. 50-010, 50-237, and 50-249

Gentlemen:

Enclosed is the Dresden Nuclear Power Station Monthly Operating Summary Report for November 1996.

This information is supplied to your office as required by Technical Specification 6.6.A.3, in accordance with the instructions set forth in Regulatory Guide 1.16.

Sincerely,


J. Stephen Perry
Site Vice President
Dresden Station

Enclosure

cc: NRC Region III Office
Illinois Dept. of Nuclear Safety, State of Illinois
NRC Senior Resident Inspector
UDI, Inc. - Washington, DC
File/Numerical

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MONTHLY NRC
SUMMARY OF OPERATING EXPERIENCE,
PER REGULATORY GUIDE 1.16
FOR
DRESDEN NUCLEAR POWER STATION
COMMONWEALTH EDISON COMPANY
FOR November 1996

<u>UNIT</u>	<u>DOCKET</u>	<u>LICENSE</u>
1	050-010	DPR-2
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1.0 Introduction

Dresden Nuclear Power Station is a three 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 Unit 1 is a General Electric Boiling Water Reactor with a design net electrical output rating of 200 megawatts electrical (MWe). The unit is retired in place with all nuclear fuel removed from the reactor vessel. Therefore, no Unit 1 operating data is provided in this report.

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 11 August 1970, and 30 October 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.

This report for **November 1996**, was compiled by Gary A. Abrell of Dresden Regulatory Assurance Staff, telephone number (815) 942-2920, extension 3749.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR November 1996

2.1 UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY

Unit 2 was on system at the beginning of the period near full power.

At 0126 on November 17, 1996, a load drop began for routine surveillance testing. Following circulating water flow reversal, load increase began at 1300 from 650 MWE.

At 2100 on November 23, 1996, load drop began to time main steam isolation valves, to scram test control rod drives, and to enter the drywell to add oil to 2A Recirc Pump motor.

Commenced load increase at 1430 on November 24, 1996, and reached full power at 0130 on November 26, 1996.

On November 26, the 2% thermal power derating caused by feedwater flow measurement uncertainty was lifted.

At 2000 on November 28, 1996, commenced load drop to change condensate demineralizers and perform control rod drive exercising. Power was stabilized at 550MWE at 2245 on November 28 and remained at that level for the remainder of the period.

3.0 SUMMARY OF OPERATING EXPERIENCE FOR November 1996

2.2 UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY

Unit 3 was shutdown for the entire month for repairs to the 3B recirculating pump motor were planned and executed. Numerous other outage tasks were conducted at this time.

3.0 OPERATING DATA STATISTICS

3.1 OPERATING DATA REPORT - DRESDEN UNIT TWO

DOCKET No. 050-237
DATE December 3, 1996
COMPLETED BY G. A. ABRELL
TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: November 1996
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.

REPORTING PERIOD DATA			
PARAMETER	THIS MONTH	YEAR TO DATE	CUMULATIVE
HOURS IN PERIOD	720	8,040	230,592
TIME REACTOR CRITICAL	720	3,286	16,418
TIME REACTOR RESERVE SHUTDOWN (Hours)	0.0	0	0
TIME GENERATOR ON-LINE (Hours)	720.0	2,987	8,271
TIME GENERATOR RESERVE SHUTDOWN (Hours)	0.0	0	1
THERMAL ENERGY GENERATED (MWh Gross)	1,696,889	5,703,171	3,240,245
ELECTRICAL ENERGY GENERATED (MWEHe Gross)	552,858	1,798,638	1,426,642
ELECTRICAL ENERGY GENERATED (MWEHe Net)	532,844	1,680,049	99,649,758
REACTOR SERVICE FACTOR (%)	100.0%	40.9%	72.2%
REACTOR AVAILABILITY FACTOR (%)	100.0%	40.9%	72.2%
GENERATOR SERVICE FACTOR (%)	100.0%	37.2%	68.6%
GENERATOR AVAILABILITY FACTOR (%)	100.0%	37.2%	68.6%
CAPACITY FACTOR (Using MCD Net) (%)	95.9%	27.1%	56.0%
CAPACITY FACTOR (Using DER Net) (%)	93.2%	26.3%	54.4%
FORCED OUTAGE FACTOR (%)	0%	43.3%	12.7%

20. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS: NONE

21. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

3.0 OPERATING DATA STATISTICS

3.2 OPERATING DATA REPORT - DRESDEN UNIT THREE

DOCKET No. 050-249
 DATE December 3, 1996
 COMPLETED BY G. A. ABRELL
 TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: November 1996
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 restriction
4. REASONS FOR RESTRICTIONS (IF ANY): See Section 2.2 of this report.

REPORTING PERIOD DATA			
PARAMETER	THIS MONTH	YEAR TO DATE	CUMULATIVE
HOURS IN PERIOD	720	8,040	219,912
TIME REACTOR CRITICAL	0	4,358	155,857
TIME REACTOR RESERVE SHUTDOWN (Hours)	0.0	0	0
TIME GENERATOR ON-LINE (Hours)	0.0	4,273	148,524
TIME GENERATOR RESERVE SHUTDOWN (Hours)	0.0	0	0
THERMAL ENERGY GENERATED (MWh Gross)	0	9,508,540	310,212,477
ELECTRICAL ENERGY GENERATED (MWe Gross)	0	3,096,338	99,273,141
ELECTRICAL ENERGY GENERATED (MWe Net)	-5,760	2,947,476	94,088,453
REACTOR SERVICE FACTOR (%)	0.0%	54.2%	70.9%
REACTOR AVAILABILITY FACTOR (%)	0.0%	54.2%	70.9%
GENERATOR SERVICE FACTOR (%)	0.0%	53.1%	67.5%
GENERATOR AVAILABILITY FACTOR (%)	0.0%	53.1%	67.5%
CAPACITY FACTOR (Using MCD Net) (%)	-1.0%	47.5%	55.4%
CAPACITY FACTOR (Using DER Net) (%)	-1.0%	46.2%	53.9%
FORCED OUTAGE FACTOR (%)	100.0%	46.9%	14.1%

20. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS: 1 March 1997.
21. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: December 27, 1996.

3.3 AVERAGE DAILY UNIT 2 POWER LEVEL

DOCKET No. 050-237

UNIT Dresden 2

DATE December 3, 1996

COMPLETED BY G. A. ABRELL

TELEPHONE (815) 942-2920

MONTH: November-96

DRESDEN 2

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	773	17	735
2	772	18	781
3	772	19	780
4	777	20	763
5	778	21	776
6	778	22	781
7	778	23	762
8	778	24	357
9	778	25	661
10	763	26	793
11	776	27	794
12	776	28	766
13	764	29	527
14	777	30	528
15	779		
16	780		

(Note: negative values represent station loads)

3.4

AVERAGE DAILY UNIT 3 POWER LEVEL

DOCKET No. 050-249

UNIT Dresden 3

DATE December 3, 1996

COMPLETED BY G. A. ABRELL

TELEPHONE (815) 942-2920

MONTH: November-96

DRESDEN 3

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	-8	17	-8
2	-8	18	-8
3	-8	19	-8
4	-8	20	-8
5	-8	21	-8
6	-8	22	-8
7	-8	23	-8
8	-8	24	-8
9	-8	25	-8
10	-8	26	-8
11	-8	27	-8
12	-8	28	-8
13	-8	29	-8
14	-8	30	-8
15	-8		
16	-8		

(Note: Negative values represent station loads)

3.5 UNIT 2 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OF November 1996

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPO- NENT CODE (5)	CORREC- TIVE ACTIONS/ COM- MENTS
7	961117	S	0	B	5	N/A	N/A	N/A	2.1
8	961123	S	0	B	5	N/A	N/A	N/A	2.1
9	961128	S	0	B	5	N/A	N/A	N/A	2.1

Year-to-date forced outage hours = 2,281

Cumulative forced outage hours = 22,935

TABLE KEY:

(1)

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

(4)

Exhibit G Instruction for
Preparation of Data Entry
Sheets for Licensee Event
Reports (LER) File
(NUREG-0161)

(5)

Exhibit I Same Source as
Above.

3.6 UNIT 3 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November 1996

NO	DATE	TYPE(1)	DURATION (HOURS)*	REASON(2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT #	SYSTEM CODE (4)	COMPONENT CODE (5)	CORREC- TIVE ACTIONS/ COMMENTS
4	961028	F	720	A	1	N/A	AD	MO	2.2

Year-to-date forced outage hours = 3,767

Cumulative forced outage hours = 24,332

TABLE KEY:

(1)

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

(4)

Exhibit G Instruction for
Preparation of Data Entry
Sheets for Licensee Event
Reports (LER) File
(NUREG-0161)

(5)

Exhibit I Same Source as
Above.

4.0 UNIQUE REPORTING REQUIREMENTS

4.1 MAIN STEAM RELIEF AND/OR SAFETY VALVE OPERATIONS -
UNIT 2 AND UNIT 3

None

4.2 OFF-SITE DOSE CALCULATION MANUAL (ODCM) CHANGES

None

4.3 MAJOR CHANGES TO THE RADIOACTIVE WASTE TREATMENT
SYSTEMS

None

4.4 FAILED FUEL ELEMENT INDICATIONS

4.4.1 Unit 2

Unit 2 has no indications of fuel failures.

4.4.2 Unit 3

Unit 3 Previous operation indicated a single fuel rod failure.

5.0 TECHNICAL SPECIFICATION AMENDMENTS

5.1 Amendments to Facility License or Technical
Specifications implemented during November 1996.

None