

Commonwealth Edison Company
Dresden Generating Station
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April 10, 1997

JSPLTR 97-0070

U. S. Nuclear Regulatory Commission
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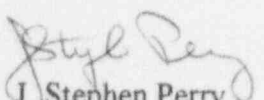
Subject: Monthly Operating Data Report for March 1997
Dresden Nuclear Power Station
Commonwealth Edison Company
Docket Nos. 50-010, 50-237, and 50-249

Gentlemen:

Enclosed is the Dresden Nuclear Power Station Monthly Operating Summary Report for March 1997.

This information is supplied to your office as required by Technical Specification 6.9.A.5, 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 MARCH 1997

<u>UNIT</u>	<u>DOCKET</u>	<u>LICENSE</u>
1	050-010	DPR-2
2	050-237	DPR-19
3	050-249	DPR-25

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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 **MARCH 1997**, was compiled by Gary A. Abrell of Dresden Regulatory Assurance Staff, telephone number (815) 942-2920, extension 2749.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR MARCH 1997

2.1 UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY

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

At 0510 on March 15, 1997, began load drop for scram testing, timing of control rod G-6, and to gather data associated with the Recirculation Pump speed mismatch. At 1710 commenced load increase and reached full power at 2100.

At 0200 on March 24 began load drop to enter the low pressure heater bay to determine the extent of a leak on the of 2C3 Feedwater Heater operating vent line. At 0440, Unit was at 550 MWE for the inspection. At 1955 commenced load increase, and reached 819 MWE at 1628 on March 27, 1997.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR MARCH 1997

2.2 UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY

Unit 3 was on system in coastdown throughout the period until the shutdown began at 1506 on March 28 for the start of refueling outage D3R14.

At 0113 March 29, 1997 generator was separated from the system.

At 0229 March 29 Reactor was manually scrammed in accordance with shutdown procedure. Mode switch was placed in REFUEL at 1219 on March 30.

3.0 OPERATING DATA STATISTICS

3.1 OPERATING DATA REPORT - DRESDEN UNIT TWO

DOCKET No. 050-237
 DATE APRIL 4, 1997
 COMPLETED BY G. A. ABRELL
 TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: **MARCH 1997**
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	744	2,160	233,496
TIME REACTOR CRITICAL	744	2,160	169,322
TIME REACTOR RESERVE SHUTDOWN (Hours)	0	0	0
TIME GENERATOR ON-LINE (Hours)	744	2,160	161,175
TIME GENERATOR RESERVE SHUTDOWN (Hours)	0	0	1
THERMAL ENERGY GENERATED (MWh Gross)	1,786,799	4,977,282	336,681,183
ELECTRICAL ENERGY GENERATED (MWe Gross)	579,764	1,616,301	107,514,237
ELECTRICAL ENERGY GENERATED (MWe Net)	553,794	1,545,378	101,647,107
REACTOR SERVICE FACTOR (%)	100.0%	100.0%	72.5%
REACTOR AVAILABILITY FACTOR (%)	100.0%	100.0%	72.5%
GENERATOR SERVICE FACTOR (%)	100.0%	100.0%	69.0%
GENERATOR AVAILABILITY FACTOR (%)	100.0%	100.0%	69.0%
CAPACITY FACTOR (Using MCD Net) (%)	96.4%	92.7%	56.4%
CAPACITY FACTOR (Using DER Net) (%)	93.7%	90.1%	54.8%
FORCED OUTAGE FACTOR (%)	0%	0.0%	12.5%

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 APRIL 4, 1997
COMPLETED BY G. A. ABRELL
TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: MARCH 1997
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	744	2,160	222,816
TIME REACTOR CRITICAL	675	1395.8	157,253
TIME REACTOR RESERVE SHUTDOWN (Hours)	0.0	0	0
TIME GENERATOR ON-LINE (Hours)	674	1,356	149,880
TIME GENERATOR RESERVE SHUTDOWN (Hours)	0.0	0	0
THERMAL ENERGY GENERATED (MWh Gross)	1,089,013	2,267,378	312,479,855
ELECTRICAL ENERGY GENERATED (MWEHe Gross)	349,078	729,656	100,002,797
ELECTRICAL ENERGY GENERATED (MWEHe Net)	332,339	690,417	94,772,918
REACTOR SERVICE FACTOR (%)	90.7%	64.6%	70.6%
REACTOR AVAILABILITY FACTOR (%)	90.7%	64.6%	70.6%
GENERATOR SERVICE FACTOR (%)	90.6%	62.8%	67.3%
GENERATOR AVAILABILITY FACTOR (%)	90.6%	62.8%	67.3%
CAPACITY FACTOR (Using MCD Net) (%)	57.9%	41.4%	55.1%
CAPACITY FACTOR (Using DER Net) (%)	56.3%	40.3%	53.6%
FORCED OUTAGE FACTOR (%)	0.0%	35.1%	14.3%

20. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS: In refuel outage D3R14.
21. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: June 2, 1997.

3.3 AVERAGE DAILY UNIT 2 POWER LEVEL

DOCKET No. 050-237
UNIT Dresden 2
DATE APRIL 4, 1997
COMPLETED BY G. A. ABRELL
TELEPHONE (815) 942-2920

MONTH: March-97
DRESDEN 2

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	721	17	785
2	716	18	783
3	724	19	783
4	773	20	782
5	768	21	781
6	775	22	782
7	776	23	782
8	776	24	557
9	775	25	538
10	776	26	616
11	779	27	675
12	782	28	781
13	782	29	784
14	782	30	787
15	607	31	790
16	756		

(Note: negative values represent station loads)

3.4

AVERAGE DAILY UNIT 3 POWER LEVEL

DOCKET No. 050-249

UNIT Dresden 3

DATE APRIL 7, 1997

COMPLETED BY G. A. ABRELL

TELEPHONE (815) 942-2920

MONTH: March-97

DRESDEN 3

DAY	AVERAGE DAILY NET POWER LEVEL (MWe)	DAY	AVERAGE DAILY NET POWER LEVEL (MWe)
1	528	17	495
2	528	18	491
3	524	19	488
4	521	20	484
5	518	21	483
6	518	22	482
7	516	23	480
8	513	24	478
9	511	25	476
10	508	26	474
11	504	27	472
12	501	28	382
13	499	29	-4
14	498	30	-8
15	496	31	-8
16	497		

(Note: Negative values represent station loads)

3.5 UNIT 2 SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OF MARCH 1997

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
1	970315	S	0	B	4	N/A	N/A	N/A	2.1
2	970323	S	0	B	4	N/A	N/A	N/A	2.1

Year-to-date forced outage hours = 0

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 MARCH 1997

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
1	970328	S	70	C	1				2.2

Year-to-date forced outage hours = 734

Cumulative forced outage hours = 25,810

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 March 1997.

Amendments 153 and 148 for Dresden 2 and 3 respectively became effective on February 28, 1997. These amendments revised the Pressure-Temperature limit curves for the reactor vessels. Revised curves were provided for limits on vessel pressure testing, non-nuclear heatup and cooldown as well as critical operation up to 22 EFPYs.