

Commonwealth Edison Company
Dresden Generating Station
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May 11, 1998

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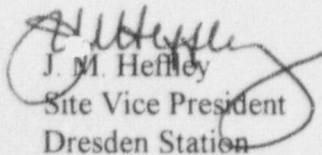
U. S. Nuclear Regulatory Commission
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Subject: Monthly Operating Data Report for April 1998
Dresden Nuclear Power Station
Commonwealth Edison Company
Docket Nos. 50-010, 50-237, and 50-249

Enclosed is the Dresden Nuclear Power Station Monthly Operating Summary Report for April 1998.

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. and Generic Letter 97-02.

Sincerely,


J. M. Heffley
Site Vice President
Dresden Station

Enclosure

cc: NRC Region III Office
Illinois Dept. of Nuclear Safety, State of Illinois
NRC Senior Resident Inspector, Dresden Station
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 APRIL 1998

<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 being decommissioned 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 APRIL 1998, 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 APRIL 1998

2.1 UNIT 2 MONTHLY OPERATING EXPERIENCE SUMMARY

Unit 2 began the period with core reload in progress. Core reload was completed at 2006 on April 1, 1998. A reactor startup began at 2046 on April 15, 1998, and the reactor was critical at 0117 on April 16, 1998. The unit was placed on system at 1606 on April 17, 1998, ending the refuel outage D2R15. The unit began power ascension and startup testing.

The unit tripped at 0858 on April 20, 1998, by a Generator Load reject signal. The load reject was the result of a design error that occurred during a recent modification to the unit auxiliary transformer. The unit was restarted at 1237 on April 22, 1998 following the root cause investigation and corrective actions. The reactor was critical at 1751 on April 22, 1998, and placed on system at 1429 April 23, 1998. Power ascension and startup testing resumed. The unit reached full power at 2106 on April 27, 1998.

2.0 SUMMARY OF OPERATING EXPERIENCE FOR APRIL 1998

2.2 UNIT 3 MONTHLY OPERATING EXPERIENCE SUMMARY

Unit 3 began the period near full power. At 1522 on April 8, 1998, a Main Steam Line High Flow Switch failed during surveillance testing and Operators removed the fuse from that channel generating a half Group I isolation signal. At 0040 on April 9, 1998, the reactor tripped when the Main Steam Isolation Valves closed. It was determined that the other Group I circuit opened momentarily as a result of a high resistance relay contact. Following a root cause investigation and corrective actions, the reactor was restarted at 1341 on April 13, 1998. The reactor was critical at 1926 on April 13, 1998, and placed on system at 1653 on April 14, 1998.

The unit reached full power at 1630 on April 18, 1998, and remained at that load except for brief load reductions for minor maintenance and surveillance testing.

3.0 OPERATING DATA STATISTICS

3.1 OPERATING DATA REPORT - DRESDEN UNIT TWO

DOCKET No. 050-237
 DATE May, 1998
 COMPLETED BY G. A. ABRELL
 TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: **APRIL 1998**
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
5	HOURS IN PERIOD	719	2,879	242,975
6	TIME REACTOR CRITICAL	302	1,774	176,782
7	TIME REACTOR RESERVE SHUTDOWN (Hours)	0	0	0
8	TIME GENERATOR ON-LINE (Hours)	242	1,697	168,451
9	TIME GENERATOR RESERVE SHUTDOWN (Hours)	3	3	4
10	THERMAL ENERGY GENERATED (MWh Gross)	421,171	3,843,154	353,606,577
11	ELECTRICAL ENERGY GENERATED (MWE Gross)	133,358	1,248,730	112,982,565
12	ELECTRICAL ENERGY GENERATED (MWE Net)	123,281	1,186,022	106,866,197
13	REACTOR SERVICE FACTOR (%)	42.0%	61.6%	72.8%
14	REACTOR AVAILABILITY FACTOR (%)	42.0%	61.6%	72.8%
15	GENERATOR SERVICE FACTOR (%)	33.7%	58.9%	69.3%
16	GENERATOR AVAILABILITY FACTOR (%)	34.1%	59.0%	69.3%
17	CAPACITY FACTOR (Using MCD Net) (%)	22.2%	53.4%	57.0%
18	CAPACITY FACTOR (Using DER Net) (%)	21.6%	51.9%	55.4%
19	FORCED OUTAGE FACTOR (%)	24%	9.6%	12.7%

3.0 OPERATING DATA STATISTICS

3.2 OPERATING DATA REPORT - DRESDEN UNIT THREE

DOCKET No. 050-249
DATE May 4, 1998
COMPLETED BY G. A. ABRELL
TELEPHONE (815) 942-2920

OPERATING STATUS

1. REPORTING PERIOD: **APRIL 1998**
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	719	2,879	232,295
TIME REACTOR CRITICAL	606	2,766	164,707
TIME REACTOR RESERVE SHUTDOWN (Hours)	0	0	0
TIME GENERATOR ON-LINE (Hours)	584	2,744	157,168
TIME GENERATOR RESERVE SHUTDOWN (Hours)	0	0	0
THERMAL ENERGY GENERATED (MWh Gross)	1,383,637	6,683,543	329,888,516
ELECTRICAL ENERGY GENERATED (MWe Gross)	452,445	2,186,305	105,674,464
ELECTRICAL ENERGY GENERATED (MWe Net)	433,588	2,103,511	100,210,428
REACTOR SERVICE FACTOR (%)	84.3%	96.1%	70.9%
REACTOR AVAILABILITY FACTOR (%)	84.3%	96.1%	70.9%
GENERATOR SERVICE FACTOR (%)	81.2%	95.3%	67.7%
GENERATOR AVAILABILITY FACTOR (%)	81.2%	95.3%	67.7%
CAPACITY FACTOR (Using MCD Net) (%)	78.1%	94.6%	55.9%
CAPACITY FACTOR (Using DER Net) (%)	76.0%	92.0%	54.3%
FORCED OUTAGE FACTOR (%)	18.8%	4.7%	14.2%

3.3 UNIT 2 SHUTDOWNS

REPORT MONTH OF APRIL 1998

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON(2)	METHOD OF SHUTTING DOWN REACTOR (3)	CORRECTIVE ACTIONS/ COMMENTS
2	980307	S	398	C	1	D2R15
3	980420	F	76	H	3	LER 2-98-008

Year-to-date forced outage hours = 181

Cumulative forced outage hours = 24,609

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

3.4 UNIT 3 SHUTDOWNS

REPORT MONTH APRIL 1998

NO	DATE	TYPE (1)	DURATION (HOURS)*	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CORRECTIVE ACTIONS/ COMMENTS
1	980409	F	135	A	3	LER 3-98-003

Year-to-date forced outage hours = 135

Cumulative forced outage hours = 26,075

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

4.0 UNIQUE REPORTING REQUIREMENTS

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

Four safety valves were overhauled and lift tested at the station prior to reinstallation on Unit 2. On April 16, 1998 during the testing program following D2R15, Safety relief valves and the Target Rock valve were manually opened at low pressure in accordance with Dresden Operating Surveillance, DOS 0250-04 "Relief Valve Testing At Low And At High Pressure."

There was no activity on Unit 3 during the period.

4.2 Technical Specification Amendments

Amendment 168 was implemented on Unit 2 prior to Mode 2 entry after D2R15. This amendment changes the MCPR Safety Limit for Unit 2 to 1.09 from 1.08 to account for statistical uncertainties in the calculation for MCPR Safety Limit. This is a single cycle amendment as reflected in the Design Feature Section of the Technical Specifications. A permanent amendment is pending approval which removes the single cycle restrictions on Units 2 and 3.