



NRC-99-080

Wisconsin Public Service Corporation
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November 9, 1999

10 CFR 50.36

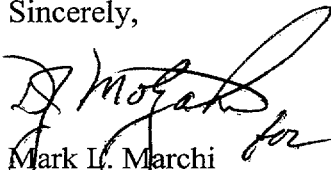
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Monthly Operating Report

The narrative "Summary of Operating Experience" and completed forms covering plant and component availability for the Kewaunee Nuclear Power Plant for October 1999 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,


Mark L. Marchi
Vice President-Nuclear

MLA

Enc.

cc - US NRC - Region III
NRC Senior Resident Inspector
INPO Records Center
PSCW - Sharon Hennings

IE24

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10/31/99

**KEWAUNEE NUCLEAR POWER PLANT - DOCKET 50-305
SUMMARY OF OPERATING EXPERIENCE**

October 1999

The following plant operating information should have been included in the September 1999 Monthly Operating Report:

On September 17, 1999, at 2344, with the unit at 97% reactor power, 532 gross MWe, a load decrease was initiated to perform SP 54-086, Turbine Stop Valve Test. Following the successful completion of SP 54-086, a load increase was initiated on September 18, at 0400 at ¼%/min. The unit returned to full power (97%) at 0739 on September 18, 1999.

At 0200 on October 31, clocks were set back one hour for the change from Day Light Savings Time to Central Standard Time.

The unit continues to operate at 97% NI power, steady state operation.

Instrument and Control Group Activities for the Month:

Replaced level control switches in Diesel Generator A day tank level indicator.

Repaired/replaced service water seal flow regulators.

Calibrated power range output amplifier during monthly surveillance.

Repaired/recalibrated two Foxboro H-Line control boxes.

Maintenance Group Activities for the Month:

Electrical Maintenance

Completed monthly safeguards battery surveillance.

Supported I&C on their monthly SP 316 reactor protection surveillance.

Tested Bus 1 and 2 UV and UF and Bus 5 and 6 UV relays.

Supported security computer replacement.

Checked governor speed settings on A & B EDG.

Performed maintenance on breaker for B SI pump.

Mechanical Maintenance

Completed vibration monitoring on numerous components including auxiliary feedwater pumps, containment fan coils, containment dome fans, reactor coolant pumps, Zone SV exhaust fans, and various safety related fan coil units. All were found to be operating acceptably.

Completed preventive maintenance lubrication on SW strainers and SW screens.

Repaired inboard and outboard seals on B SI pump.

A V E R A G E D A I L Y U N I T P O W E R L E V E L

DOCKET NO- 50-305
UNIT- KEWAUNEE
COMPLETED BY- M. L. ANDERSON
TELEPHONE- 920-388-8453

REPORT MONTH OCTOBER, 1999

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

1	507
2	507
3	507
4	507
5	507
6	507
7	507
8	503
9	511
10	507
11	507
12	507
13	507
14	507
15	507
16	507
17	507
18	511
19	507
20	507
21	511
22	503
23	507
24	507
25	511
26	507
27	507
28	507
29	507
30	507
31	510

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: November 3, 1999
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - OCTOBER 1999

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
									No shutdowns or power reductions in October

TYPE

F: FORCED
S: SCHEDULED

REASON

A-Equipment Failure (explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (explain)
H-Other (explain)

METHOD

1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuations
5-Load Reductions
9-Other

SYSTEM & COMPONENT CODES

From NUREG-0161

O P E R A T I N G D A T A R E P O R T

DOCKET NO- 50-305
 COMPLETED BY- M. L. ANDERSON
 TELEPHONE- 920-388-8453

O P E R A T I N G S T A T U S

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	OCTOBER, 1999	* * * * *
3 LICENSED THERMAL POWER (MWT)	1650	* NOTES
4 NAMEPLATE RATING (GROSS MWE)	560	* * * * *
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* 97% Rx Power, Steady State Operation
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	537	* * * * *
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	511	*****

8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS
 None

9 POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE) None

10 REASONS FOR RESTRICTIONS, IF ANY

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11 HOURS IN REPORTING PERIOD	745	7296	222458
12 NUMBER OF HOURS REACTOR WAS CRITICAL	745.0	7296.0	188617.8
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	745.0	7296.0	186542.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1193859	11636049	295318779
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	397600	3870400	97906800
18 NET ELECTRICAL ENERGY GENERATED (MWH)	377942	3681261	93168444
19 UNIT SERVICE FACTOR	100.0	100.0	83.9
20 UNIT AVAILABILITY FACTOR	100.0	100.0	83.9
21 UNIT CAPACITY FACTOR (USING MDC NET)	99.3	98.7	81.7
22 UNIT CAPACITY FACTOR (USING DER NET)	94.8	94.3	78.3
23 UNIT FORCED OUTAGE RATE	0.0	0.0	1.8

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - N/A