



NRC-00-029

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
Kewaunee Nuclear Power Plant
North 490, Highway 42
Kewaunee, WI 54216-9511
920-388-2560

April 10, 2000

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 March 2000 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

A handwritten signature in cursive script that reads "Mark L. Marchi".

Mark L. Marchi
Vice President-Nuclear

MLA

Enc.

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

IE24

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

March, 2000

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

Instrument and Control Group Activities for the Month:

- Replaced solenoid-operated valve on service water supply valve to fan coil unit.
- Replaced temperature switch on emergency diesel generator.
- Rebuilt two actuators on service water supply to fan coil units.
- Replaced temperature controller on control room air conditioning unit.
- Replaced power switch on nuclear power range drawer N-42.

Maintenance Group Activities for the Month:

Electrical Maintenance

- Completed monthly and quarterly 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.
- Performed maintenance on residual heat removal valve RHR-400B (MOV Testing).
- Performed testing on safety injection motor valve SI-351A.
- Performed testing on internal containment spray motor valves ICS-5A & ICS-6A.
- Performed maintenance on component cooling motor valve CC-6B.
- Performed diesel generator sequencer test.
- Replaced gear set and tested auxiliary feedwater motor valve AFW-10A.

Mechanical Maintenance

- Completed performance monitoring on numerous components, including containment fan coils and various safety-related fan coil units. All were found to be operating acceptably.
- Completed periodic control room, shield building, spent fuel pool and Zone SV ventilation systems filter testing.
- Replaced spent fuel pool heat exchanger service water discharge valve SW-1601.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH MARCH, 2000

DAY AVERAGE DAILY
POWER LEVEL
(MWE-NET)

1	508
2	508
3	504
4	508
5	508
6	512
7	500
8	504
9	508
10	508
11	504
12	508
13	508
14	508
15	508
16	508
17	508
18	508
19	508
20	508
21	504
22	508
23	508
24	504
25	504
26	509
27	504
28	509
29	508
30	504
31	504

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: April 7, 2000
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - MARCH 2000

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

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

OPERATING DATA REPORT

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

OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****	
2 REPORTING PERIOD	MARCH, 2000	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* 97% Rx Power, Steady State Operation	*
4 NAMEPLATE RATING (GROSS MWE)	560	*	*
5 DESIGN ELECTRICAL RATING (NET MWE)	535	*	*
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	744	2184	226106
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2184.0	192265.8
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	2184.0	190190.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MMH)	1190979	3493504	301157398
17 GROSS ELECTRICAL ENERGY GENERATED (MMH)	395800	1163800	99851800
18 NET ELECTRICAL ENERGY GENERATED (MMH)	377257	1109238	95021084
19 UNIT SERVICE FACTOR	100.0	100.0	84.1
20 UNIT AVAILABILITY FACTOR	100.0	100.0	84.1
21 UNIT CAPACITY FACTOR (USING MDC NET)	99.2	99.4	82.0
22 UNIT CAPACITY FACTOR (USING DER NET)	94.8	94.9	78.6
23 UNIT FORCED OUTAGE RATE	0.0	0.0	1.7

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS - Yes

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