



NRC-00-022

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mark L. Marchi".

for
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**

February, 2000

On February 26, at 0002, a planned backdown to <390 MWE was initiated to perform SP54-086, turbine stop valve test. After successful completion of the test, the unit returned to full power (97%) at 0652. The unit continues to operate at full power, steady state operation.

Instrument and Control Group Activities for the Month:

Properly reseated a fuse in the safeguard DC voltage panel upon discovery.

Assisted I&C Engineering in performing at power calibration of first stage turbine pressure transducers to satisfy Technical Specifications test/calibration requirements.

Assisted I&C Engineering in the raising of the forby level Lo & Lo-Lo level setpoints.

Maintenance Group Activities for the Month:

Electrical Maintenance

Performed monthly surveillance on safeguards batteries.

Performed monthly surveillance on Bus 5 and Bus 6 undervoltage relays.

Performed monthly surveillance on Bus 1 and Bus 2 undervoltage and underfrequency relays.

Performed preventative maintenance and diagnostic testing of various safety related motor operated valves.

Performed preventative maintenance on various safety related 480v and 4160v circuit breakers.

Mechanical Maintenance

Completed performance monitoring on numerous components including residual heat removal pumps, containment fan coils, diesel generator heat exchangers, Zone SV exhaust fans and various safety related fan coil units. All were found to be operating acceptably.

Repaired auxiliary building heating coil.

Cleaned auxiliary building mezzanine fan coil unit to restore required service water flow.

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 FEBRUARY, 2000

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	508
2	508
3	508
4	508
5	512
6	508
7	508
8	508
9	508
10	508
11	508
12	508
13	512
14	504
15	512
16	504
17	508
18	508
19	508
20	508
21	508
22	508
23	508
24	508
25	508
26	488
27	508
28	508
29	508

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: March 8, 2000
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - FEBRUARY 2000

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

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	FEBRUARY, 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	696	1440	225362
12 NUMBER OF HOURS REACTOR WAS CRITICAL	696.0	1440.0	191521.8
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	696.0	1440.0	189446.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1111904	2302525	299966419
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	370800	768000	99456000
18 NET ELECTRICAL ENERGY GENERATED (MWH)	353402	731981	94643827
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)	99.4	99.5	82.0
22 UNIT CAPACITY FACTOR (USING DER NET)	94.9	95.0	78.5
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