NRC-00-001

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

January 13, 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 December 1999 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

for
Mark L. Marchi
Vice President-Nuclear

MLA

Enc.

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

IE24

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

December 1999

On Saturday, December 18, 1999, at 0000, a backdown was initiated to perform SP54-086, Turbine Stop Valve Test. After successfully completing the test, the unit was returned to full power (97%, 534 MWe) at 0624.

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

Instrument and Control Group Activities for the Month:

Supported plant engineering during service water flow testing of containment fan coils.

Repaired/adjusted waste gas compressor gas header control valve for proper gas header operation.

Supported motor operated valve testing on plant equipment.

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 RHR 299A (MOV Testing).

Performed maintenance on SI 300B (MOV Testing).

Performed maintenance on breaker for C & D containment fan coil unit and TDAFW Room FCU.

Performed maintenance on 1B RHR pump motor and breaker.

Removed and installed 1B2 SW pump motor.

Mechanical Maintenance

Completed performance monitoring on numerous components including auxiliary feedwater 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 "C" containment fan coil unit bypass check valve.

Inspected "1B2" service water pump shaft for cracking. Found pump shaft to be acceptable.

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 DECEMBER, 1999

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	507
2	507
3	507
4	507
5	507
6	511
7	507
8	508
9	509
10	504
11	509
12	509
13	508
14	508
15	508
16	509
17	509
18	492
19	508
20	508
21	508
22	508
23	508
24	508
25	508
26	513
27	508
28	508
29	508
30	513
31	504

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: January 10, 2000
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - DECEMBER 1999

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

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 DECEMBER, 1999	
3	LICENSED THERMAL POWER (MWT)	1650
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

NOTES

97% Rx Power, Steady State Operation

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	8760	223922
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	8760.0	190081.8
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	8760.0	188006.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1191329	13981164	297663894
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	396500	4651600	98688000
18 NET ELECTRICAL ENERGY GENERATED (MWH)	377717	4424663	93911846
19 UNIT SERVICE FACTOR	100.0	100.0	84.0
20 UNIT AVAILABILITY FACTOR	100.0	100.0	84.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	99.4	98.8	81.9
22 UNIT CAPACITY FACTOR (USING DER NET)	94.9	94.4	78.4
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