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RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1998 for Kewaunee Nuclear Power Plant.W/980209 ltr.

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Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
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February 9, 1998

10 CFR 50.36

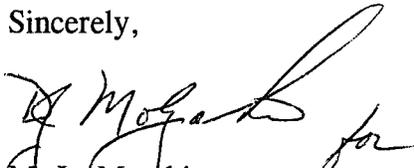
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Attention: Document Control Desk
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Ladies/Gentlemen:

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 January 1998 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,


M. L. Marchi
Manager-Nuclear Business Group

MLA

Enc.

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

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

January, 1998

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

The Instrument and Control group activities for the month:

- **Assisted I&C Engineering with the testing of relay snubbers and their effect on pick-up and drop-out times.**
- **Assisted I&C Engineering in determining the range of adjustment of the Negative Rate Trip circuit on a Nuclear Power Range drawers.**
- **Installed a relay snubber across the coil of B Diesel Generator Keep Warm Heater contractor relay.**

Maintenance group activities for the month:

Mechanical

Significant activities for January included replacing the A Component Cooling Water Pump with the spare due to an oil leak. Also, various valves required packing adjustments. All other work was considered routine.

Electrical

Electrical work included inspection of various valve motor operators for proper T-drains to ensure they are properly drilled to address a potential 10CFR50 Part 21 issue.

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 JANUARY, 1998

DAY AVERAGE DAILY
POWER LEVEL
(MWE-NET)

1	513
2	505
3	509
4	513
5	508
6	508
7	508
8	508
9	509
10	508
11	508
12	508
13	508
14	504
15	513
16	509
17	509
18	508
19	508
20	513
21	508
22	508
23	509
24	508
25	509
26	508
27	508
28	508
29	508
30	508
31	509

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: February 9, 1998
 COMP BY: Mary L. Anderson
 TELEPHONE: 920-388-8453

**UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH - JANUARY, 1998**

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

TYPE	REASON	METHOD	SYSTEM & COMPONENT CODES
F: FORCED S: SCHEDULED	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)	1-Manual 2-Manual Scram 3-Automatic Scram 4-Continuations 5-Load Reductions 9-Other	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	JANUARY, 1998	*	*
3 LICENSED THERMAL POWER (MWT)	1650	* NOTES	*
4 NAMEPLATE RATING (GROSS MWE)	560	* Unit at 97%, steady state operation	*
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	744	207146
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	744.0	174423.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	744.0	172404.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1190492	1190492	273103951
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	397000	397000	90535200
18 NET ELECTRICAL ENERGY GENERATED (MWH)	378487	378487	86160291
19 UNIT SERVICE FACTOR	100.0	100.0	83.2
20 UNIT AVAILABILITY FACTOR	100.0	100.0	83.2
21 UNIT CAPACITY FACTOR (USING MDC NET)	99.6	99.6	81.2
22 UNIT CAPACITY FACTOR (USING DER NET)	95.1	95.1	77.7
23 UNIT FORCED OUTAGE RATE	0.0	0.0	1.9

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
 None

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