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SUBJECT: Monthly operating rept for Dec 1997 for Kewaunee Nuclear
Power Plant.W/980108 ltr.

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Wisconsin Public Service Corporation
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January 8, 1998

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 1997 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

IE241.

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PDR ADOCK 05000305
R PDR



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

December, 1997

On 12-26-97, at 2200, a plant backdown to 320 Mwe, 60% power, was initiated to perform SP 54-086, Turbine Stop Valve Test, and to troubleshoot an oil leak on Feedwater Pump "A" and "B".

Load pickups were initiated at 1300 on 12-27-97, and full power, 532 Mwe, 97% power, was reached at 1847.

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

The Instrument and Control group activities for the month:

- **Replaced two Residual Heat Removal environmentally qualified solenoid valve coils.**
- **Repaired/recalibrated seven Foxboro H-line boxes.**

Maintenance group activities for the month:

Mechanical

Mechanical work for December was routine in addition to replacing valves on the Service Water Pump's lube water flow lines and repairing a Diesel Generator oil cooler flange leak.

Electrical

Electrical work included lubrication of Service Water Pump breakers and alleviating a vibration concern with the 1B1 Service Water Pump motor.

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: January 7, 1998
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - DECEMBER, 1997

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
									<p>On 12-26-97, at 2200, a plant backdown to 320 Mwe, 60% power, was initiated to perform SP 54-086, Turbine Stop Valve Test, and to troubleshoot an oil leak on Feedwater Pump "A" and "B".</p> <p>Load pickups were initiated at 1300 on 12-27-97, and full power, 532 Mwe, 97% power, was reached at 1847.</p>

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	DECEMBER, 1997	* NOTES	
3 LICENSED THERMAL POWER (MWT)	1650	* Unit at 97%, 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	8760	206402
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4906.7	173679.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	4866.1	171660.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1178977	7508101	271913459
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	393000	2487600	90138200
18 NET ELECTRICAL ENERGY GENERATED (MWH)	374573	2363804	85781804
19 UNIT SERVICE FACTOR	100.0	55.5	83.2
20 UNIT AVAILABILITY FACTOR	100.0	55.5	83.2
21 UNIT CAPACITY FACTOR (USING MDC NET)	98.5	52.8	81.1
22 UNIT CAPACITY FACTOR (USING DER NET)	94.1	50.4	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