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RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Mar 1998 for Kewaunee Nuclear Plant.W/980408 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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(a subsidiary of WPS resources corporation)

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

Sincerely,



Mark L. Marchi
Manager-Nuclear Business Group

MLA

Enc.

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

9804150006 980331
PDR ADOCK 05000305
R PDR

130147

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

March, 1998

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

Instrument and Control group activities for the month:

- **In response to Generic Letter 96-01, assisted I&C Engineering with testing of contacts associated with starting the Turbine Driven Auxiliary Feed Water Pump on a Reactor Coolant Pump under voltage Reactor Trip.**
- **Repaired/recalibrated four Foxboro H-line control boxes.**
- **Assisted I&C Engineering with testing of valve FW-7B, Main Feedwater Control Valve.**

Maintenance group activities for the month:

Mechanical and Electrical Maintenance

The fan shaft for CRDM room fan coil unit A was repaired and balanced to reduce vibrations. The Personnel airlock outer door seals were replaced to improve the measured leak rate. We completed preventive chiller inspections and removed sheet metal enclosure on the compressor per plant physical change Control room AC units. Waste gas (WG) compressor performance was improved as a result of strainer cleaning. Various valves associated with the WG compressor were inspected and found to be satisfactory. Relay testing was completed for DG trip relays associated with the GL 96-01 effort. The breaker for valve CC-653 was inspected and motor actuator maintenance was completed. This valve is associated with the excess letdown heat exchangers.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH MARCH, 1998

DAY AVERAGE DAILY
POWER LEVEL
(MWE-NET)

1	504
2	500
3	504
4	504
5	504
6	500
7	504
8	504
9	504
10	504
11	504
12	504
13	504
14	504
15	504
16	504
17	504
18	504
19	504
20	504
21	504
22	504
23	500
24	509
25	504
26	504
27	504
28	504
29	500
30	504
31	505

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: April 6, 1998
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - MARCH, 1998

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

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	MARCH, 1998	* 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	2160	208562
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2008.4	175687.5
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	1977.7	173638.1
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1183303	3094586	275008045
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	393400	1029700	91167900
18 NET ELECTRICAL ENERGY GENERATED (MWH)	374963	980836	86762640
19 UNIT SERVICE FACTOR	100.0	91.6	83.3
20 UNIT AVAILABILITY FACTOR	100.0	91.6	63.3
21 UNIT CAPACITY FACTOR (USING MDC NET)	98.6	88.9	81.2
22 UNIT CAPACITY FACTOR (USING DER NET)	94.2	84.9	77.8
23 UNIT FORCED OUTAGE RATE	0.0	1.0	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