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RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1997 for Kewaunee Nuclear Power Plant. W/971008 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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1-920-433-5544 fax

October 8, 1997

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 September 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

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

September, 1997

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

The Instrument and Control group activities for the month were routine with the following highlights:

- **Worked with engineering and mechanics on Control Room Air Conditioning system to optimize system operation.**
- **Recalibrated seven Boric Acid Heat Trace circuit controllers.**
- **Repaired/recalibrated four Foxboro H-line boxes.**

Maintenance group activities for the month:

Mechanical

Significant work completed in September included many repairs on the Control Room Air Conditioning equipment including expansion valve and relief valve replacement, belt replacement and adjustment of control valve for service water to chiller control.

Electrical

Electrical work included replacement of breaker for boric acid tank 1B emersion heater.

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 SEPTEMBER, 1997

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

1	499
2	498
3	498
4	498
5	498
6	498
7	498
8	498
9	494
10	502
11	494
12	498
13	498
14	498
15	498
16	494
17	498
18	503
19	503
20	507
21	499
22	503
23	503
24	507
25	503
26	503
27	503
28	503
29	507
30	503

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: October 6, 1997
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

**UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH - SEPTEMBER 1997**

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

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

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 SEPTEMBER, 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	720	6551	204193
12 NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	2697.7	171470.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	720.0	2657.1	169451.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1149530	3991154	268396512
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	379300	1316800	88967400
18 NET ELECTRICAL ENERGY GENERATED (MWH)	360226	1248606	84666606
19 UNIT SERVICE FACTOR	100.0	40.6	83.0
20 UNIT AVAILABILITY FACTOR	100.0	40.6	83.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	97.9	37.3	80.9
22 UNIT CAPACITY FACTOR (USING DER NET)	93.5	35.6	77.5
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