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SUBJECT: Monthly operating rept for Oct 1996 for Kewaunee Nuclear
 Power Plant.W/961108 ltr.

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WISCONSIN PUBLIC SERVICE CORPORATION

NRC-96-121

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November 8, 1996

10 CFR 50.36

U. S. Nuclear Regulatory Commission
ATTN: 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 October 1996 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**

October, 1996

The unit continues to be shut down for the annual refueling/maintenance outage.

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

- **Inspected and cleaned all of the Reactor Protection and Engineered safeguards relays**
- **Replaced the motherboards and calibrated all four of the Power Range Nuclear Instrumentation drawers.**
- **Performed testing of Air Operated Valves throughout the plant.**

Maintenance group activities for the month were routine with the following highlights:

Mechanical

The 1996 Refueling/Maintenance Outage was ongoing in October. Highlights of the QA-1 work requests include the following. Various manual valves were repacked and adjusted, check valves were disassembled and inspected, and relief valves were tested. Eddy current examination was performed on the diesel generator jacket water coolers with some tubes requiring plugging. The terry turbine for the turbine driven auxiliary feedwater pump was disassembled and inspected. Various hydraulic shock suppressors were inspected.

Electrical

QA-1 work included modifying wiring for various safety injection valves for DCR 2786-Boric Acid Reduction. Replaced many relays due to inadequate ruggedness when subjected to seismic testing. Performed diagnostic testing on various motor operated valves. Installed vacuum breakers and white indicator lamps on QA-1 circuit breakers.

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- 414-388-2560 X2453**

REPORT MONTH OCTOBER, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
------------	--

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: November 7, 1996
COMP BY: Mary L. Anderson
TELEPHONE: 414-388-2560 x2453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - OCTOBER, 1996

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
3	10-01-96	S	745	C	4	N/A	ZZ	ZZZZZZ	Cycle XXI-XXII Refueling Outage continued during the reporting period

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- 414-388-2560 X2453

OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	OCTOBER, 1996	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* Unit Shutdown for Refueling Outage
4 NAMEPLATE RATING (GROSS MWE)	560	* Awaiting welding tool for Steam
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* Generator repair
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	745	7320	196178
12 NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	6306.9	168772.4
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	0.0	6301.7	166794.3
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	0	9991856	264405358
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	3332600	87650600
18 NET ELECTRICAL ENERGY GENERATED (MWH)	0	3171084	83418000
19 UNIT SERVICE FACTOR	0.0	86.1	85.0
20 UNIT AVAILABILITY FACTOR	0.0	86.1	85.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	0.0	84.8	83.0
22 UNIT CAPACITY FACTOR (USING DER NET)	0.0	81.0	79.5
23 UNIT FORCED OUTAGE RATE	0.0	0.5	2.0

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
N/A

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - 12-25-96