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SUBJECT: Monthly operating rept for Apr 1996 for Kewaunee Nuclear
Power Plant.W/960506 ltr.

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NRC-96-45

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May 6, 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 April 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

100027
9605100031 960430
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**KEWAUNEE NUCLEAR POWER PLANT - DOCKET 50-305
SUMMARY OF OPERATING EXPERIENCE**

April, 1996

Following the trip of March 31, G-1 was closed at 0054 on April 1, full power was reached on the same day at 1215.

While at full power a Reactor trip occurred at 1000 on April 2. While I&C was performing Nuclear PR Ch2, N-42, Monthly Test, the unit tripped due to a stuck open contact on Ch N-41 positive rate relay. With this condition a trip signal was generated when N-42 flux was raised for testing.

G-1 was closed on April 2 at 2015; full power was reached at 0709 on April 3.

The unit continued to operate at full power, steady state operation for the remainder of the reporting period.

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

- Supported the return of the plant to operation following the plant trip
- Worked with I & C Engineering to inspect all Reactor Protection and Engineered Safeguards Relay contacts in the relay racks.

When the plant was returned to operation, routine activities included:

- Worked with I & C Engineering on Pressurizer abnormal alarms
- Repaired/Recalibrated three Foxboro H-Line control boxes

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

Mechanical

Activities included repairing/flushing bearing lube water lines for the service water pumps, providing temporary repair of the actuator for the 1B main feedwater regulating valve and various valve packing adjustments and repairs.

Electrical

A number of security repairs were made to doors, lighting and the peri-field fence.

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 APRIL, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	385
2	236
3	471
4	516
5	513
6	517
7	514
8	513
9	517
10	513
11	517
12	517
13	513
14	517
15	517
16	517
17	513
18	517
19	513
20	513
21	517
22	517
23	511
24	516
25	516
26	511
27	516
28	516
29	516
30	516

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: May 3, 1996
 COMP BY: Mary L. Anderson
 TELEPHONE: 414-388-2560 x2453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - APRIL, 1996

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
1 Cont.	From 03-31- 96	F	.9 Hours	B	3	96-002	HB	ZZZZZZ	Continuing from the March 31 trip, G-1 was closed on April 1, at 0054.
2	04-02- 96	F	10.25	A	3	96-003	IA	RELAYX	While I&C was performing Nuclear PR Ch2, N-42, Monthly Test, a Reactor trip occurred due to a stuck open contact on Ch N-41, positive rate relay. With this condition a trip signal was generated when N-42 flux was raised for testing.

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	APRIL, 1996	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* 100% 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	719	2903	191761
12 NUMBER OF HOURS REACTOR WAS CRITICAL	711.4	2875.7	165341.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	708.7	2871.6	163364.2
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1130838	4642261	259055763
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	377200	1547700	85865700
18 NET ELECTRICAL ENERGY GENERATED (MWH)	359445	1475148	81722064
19 UNIT SERVICE FACTOR	98.6	98.9	85.2
20 UNIT AVAILABILITY FACTOR	98.6	98.9	85.2
21 UNIT CAPACITY FACTOR (USING MDC NET)	97.8	99.4	83.1
22 UNIT CAPACITY FACTOR (USING DER NET)	93.4	95.0	79.7
23 UNIT FORCED OUTAGE RATE	1.4	1.1	2.0

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
Refueling, 9-21-96, 40 Days

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