

KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE

April, 1987

OPERATIONS: The scheduled refueling shutdown was concluded on April 4.

A short outage was taken, also on April 4, for performance of turbine overspeed trip and torsional testing.

MAINTENANCE: April was an active month with completion of the annual refueling shutdown on April 4.

ISC completed refurbishment of one-half of the Foxboro plant process instrumentation, recalibrated numerous transmitters, controllers, relays and bistables, supported Feed Reg Valve trim and capscrew replacement, and installation and test of a revised Shield Building Vent damper control scheme.

Maintenance Mechanics worked on Containment Fan Coil Unit tube bend leaks, Reactor Coolant Pump balance and vibration measurement, Steam Generator and RTD by-pass line re-insulation for ISI and asbestos concerns, and installation of an Accumulator relief valve.

Maintenance Electricians replaced numerous air operated valve position limit switches and electrical splices for equipment qualification concerns, performed various Appendix R retest procedures, and completed many motor operated valve grease changes and M.O.V.A.T.S. tests.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305  
 UNIT- KEWAUNEE  
 COMPLETED BY- G. H. RUTEP  
 TELEPHONE- 414-388-2560 X225

REPORT MONTH      APRIL, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0
2	0
3	0
4	40
5	189
6	348
7	353
8	423
9	493
10	509
11	513
12	509
13	514
14	509
15	510
16	510
17	514
18	509
19	513
20	512
21	508
22	508
23	520
24	520
25	520
26	520
27	520
28	524
29	520
30	521

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
UNIT NAME: Kewaunee  
DATE: May 1, 1987  
COMPLETED BY: G. H. Puitert  
TELEPHONE: 414-388-2560 x225

REPORT MONTH - APRIL, 1987

[illegible]

TYPE

REASON<sup>®</sup>

## METHOD

SYSTEM &amp; COMPONENT CODES

P: 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- G. H. RUIER  
TELEPHONE- 414-388-2560 X225

## OPERATING STATUS

1 UNIT NAME	KFWAHNPE	*****
2 REPORTING PERIOD	APRIL, 1987	* * NOTES *
3 LICENSED THERMAL POWER (MWT)	1650	* The unit was returned to operation on
4 NAMEPLATE RATING (GROSS MWE)	560	* April 4, ending the Cycle XII-XIII
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* refueling outage.
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	529	* *
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	503	* *****

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	2879	112848
12 NUMBER OF HOURS REACTOR WAS CRITICAL	677.8	1992.1	95593.4
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	635.1	1948.9	94019.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	959357	3099692	147913406
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	318800	1033400	48816000
18 NET ELECTRICAL ENERGY GENERATED (MWH)	303405	985985	46481871
19 UNIT SERVICE FACTOR	88.3	67.7	83.3
20 UNIT AVAILABILITY FACTOR	88.3	67.7	83.3
21 UNIT CAPACITY FACTOR (USING MDC NET)	83.9	68.1	79.8
22 UNIT CAPACITY FACTOR (USING DER NET)	78.9	64.0	77.0
23 UNIT FORCED OUTAGE RATE	0.0	0.0	3.0

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)  
None



**WISCONSIN PUBLIC SERVICE CORPORATION**

600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

May 11, 1987

10 CFR 50.36

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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 1987 are enclosed in accordance with Technical Specification 6.9.1(c).

Very truly yours,

A handwritten signature in dark ink, appearing to read "D. C. Hintz".

D. C. Hintz  
Vice President - Nuclear Power

DJM/jms

Enc.

cc - US NRC - Region III  
Mr. Robert Nelson, NRC Sr Resident Inspector  
RR #1, Box 999, Kewaunee, WI 54216  
INPO Records Center, Suite 1500,  
1100 Circle 75 Parkway,  
Atlanta, GA 30339

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