

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE

July, 1984

OPERATIONS: A reactor/turbine trip on July 3, ended a period of continuous power operation at 56 days. The unit was returned to operation in less than 8 hours.

MAINTENANCE: Repaired failed circuit component in SFE hoist load cell. Replaced capacitors in steam exclusion isolation amplifier. Replaced a defective radiation monitor power supply. Replaced DG startup air receiver relief valves. Repaired leaking DG heat exchanger. Replaced a defective thermocouple in a boric acid heat trace circuit. Repaired defective instrument bus inverter and breaker.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NC- 50-305
 UNIT- KEWAUNEE
 COMPLETED BY- G. H. RUITER
 TELEPHONE- 414-388-2560 X225

REPORT MONTH JULY, 1984

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	520
2	520
3	404
4	316
5	520
6	520
7	520
8	520
9	524
10	520
11	524
12	520
13	520
14	520
15	524
16	520
17	520
18	520
19	524
20	520
21	520
22	520
23	520
24	520
25	520
26	520
27	520
28	516
29	520
30	516
31	520

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: August 1, 1984
 COMPLETED BY: G. H. Ruter
 TELEPHONE: 414-388-2560 x225

REPORT MONTH - JULY, 1984

NO.	DATE	TYPE	DURATION	REASON	METHOD	IER NUMBER	SYS	COMPONENT	COMMENTS
7	7/ 3/84	F	7.4	A	3	84-14	ED	INSTFU	7. An instrument bus inverter failed causing low voltage on one instrument bus; this resulted in a reactor / turbine trip on low steam generator level coincident with feed flow / steam flow mismatch.

TYPE

F: Forced
 S: Scheduled

REASON

A-Equipment Failure (Explain)
 E-Maintenance or Test
 C-Fueling
 R-Regulatory Restriction
 T-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

OPERATING STATUS

DOCKET NO- 50-305
COMPLETED BY- G. H. FUITER
TELEPHONE- 414-388-2560 X225

1 UNIT NAME KEWAUNEE

2 REPORTING PERIOD JULY, 1984

3 LICENSED THERMAL POWER (MWT) 1650

4 NAMEPLATE RATING (GROSS MWE) 560

5 DESIGN ELECTRICAL RATING (NET MWE) 535

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

* NOTES
*
* A unit trip on July 3, ended 56 days of
* continuous power operation. The unit was
* back on line in less than eight hours.
*
*
*
*

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11 HOURS IN REPORTING PERIOD	744	5111	88776
12 NUMBER OF HOURS REACTOR WAS CRITICAL	739.8	3897.6	75077.5
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	736.6	3855.3	73667.7
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1199335	6079531	115050617
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	398400	2007400	37865500
18 NET ELECTRICAL ENERGY GENERATED (MWH)	379308	1911913	36043949
19 UNIT SERVICE FACTOR	99.0	75.4	83.0
20 UNIT AVAILABILITY FACTOR	99.0	75.4	83.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	101.4	74.4	78.1
22 UNIT CAPACITY FACTOR (USING DER NET)	95.3	69.9	75.9
23 UNIT FORCED OUTAGE RATE	1.0	0.4	3.7
24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	None		

WISCONSIN PUBLIC SERVICE CORPORATION



P.O. Box 1200, Green Bay, Wisconsin 54305

August 9, 1984

Director,
Office of Inspection and Enforcement
Attention Document Control Desk
U. S. Nuclear Regulatory Commission
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 July 1984 are enclosed.

Very truly yours,

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

D. C. Hintz
Manager - Nuclear Power

JGT/js

Enc.

cc - Mr. J. G. Keppler, Reg Adm
US NRC - Region III
Mr. Robert Nelson, NRC Sr Resident Inspector
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Mr. S. A. Varga, Chief
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