

KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE

December, 1981

OPERATIONS: On December 26, the unit load was reduced to 390 MWe to perform the monthly turbine stop valve operability test. The unit was returned to full load on December 26.

On December 27, turbine control valve No. 2 failed open and unit load was reduced to 390 MWe to permit corrective maintenance. The unit was returned to full load on December 27.

MAINTENANCE: Replaced a defective steam flow pressure device.

Replaced a defective solenoid valve for the cooling water supply from a containment fan coil unit.

Replaced a thermocouple in a boric acid heat tracing circuit.

Overhauled a service water pump.

Rebuilt a charging pump.

Completed spent fuel rack venting.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH DECEMBER, 1981

DAY : AVERAGE DAILY  
POWER LEVEL  
(MWE-NET)

1	518
2	510
3	514
4	514
5	510
6	514
7	514
8	514
9	514
10	518
11	514
12	518
13	514
14	513
15	517
16	513
17	518
18	514
19	518
20	513
21	518
22	513
23	513
24	517
25	513
26	480
27	493
28	513
29	517
30	513
31	514

# OPERATING DATA REPORT

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

## OPERATING STATUS

1 UNIT NAME KEWAUNEE

2 REPORTING PERIOD DECEMBER, 1981

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) 545

7 MAXIMUM DEPENDABLE CAPACITY (NET MWE) 512

8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS  
None

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\* NOTES \*

\* The unit has been continuously on line \*

\* for 207 days as of the end of this \*

\* report period. \*

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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	744	8760	66145
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	7679.3	56001.9
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	7597.9	54806.8
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1219280	12119710	84806934
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	399300	3958200	27952400
18 NET ELECTRICAL ENERGY GENERATED (MWH)	381432	3769287	26600257
19 UNIT SERVICE FACTOR	100.0	86.7	82.9
20 UNIT AVAILABILITY FACTOR	100.0	86.7	82.9
21 UNIT CAPACITY FACTOR (USING MDC NET)	100.1	83.4	76.9
22 UNIT CAPACITY FACTOR (USING DER NET)	95.8	80.4	75.2
23 UNIT FORCED OUTAGE RATE	0.0	0.6	4.8

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)  
A refueling shutdown of 6-week duration is scheduled to start April 11, 1982.

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
UNIT NAME: Kewaunee  
DATE: January 4, 1982  
COMPLETED BY: G. H. Buitter  
TELEPHONE: 414-388-2560 x225

REPORT MONTH - DECEMBER, 1981

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
									No shutdowns during the month of DECEMBER.

## 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 &amp; COMPONENT CODES

From NUREG-0161