

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE

December, 1980

OPERATIONS: On December 26, the plant tripped during the monthly stop valve test when a spurious rapid opening of a turbine control valve resulted in a turbine/reactor trip on high steam generator level.

The plant was returned to service on December 26.

MAINTENANCE: Replaced a steam exclusion relay that would not operate properly.

Repaired a leaking diesel generator cooling water valve.

Overhauled a service water pump and motor.

Rebuilt a radiation monitor pump.

Replaced seals on the personnel airlock door.

Replaced a seal on a waste gas compressor.

8101130591

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: January 2, 1980
COMPLETED BY: G. H. Ruiter
TELEPHONE: 414-388-2560 x225

REPORT MONTH - DECEMBER, 1980

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
10	12/26/80	F	12.8	H	3	N/A	HA	ZZZZZZ	10. During monthly stop valve testing, spurious rapid opening of a turbine control valve caused a step increase in steam demand and resulted in a turbine trip/reactor trip on high steam generator level.

TYPE

F: Forced
S: Scheduled

REASON

A-Equipment Failure (Explain)
E-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- G. E. RUITER
TELEPHONE- 414-388-2560 X225

OPERATING STATUS

1 UNIT NAME KEWAUNEE

2 REPORTING PERIOD DECEMBER, 1980

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) 522

8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS
Net MDC was changed to 522 based on the winter capacity test performed
on December 5, 1980.

9 POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE) None

10 REASONS FOR RESTRICTIONS, IF ANY

*
* NOTES A reactor trip on December 26
* ended 85 days of continuous power
* operation.
*
*
*
*
*
*
*

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11 HOURS IN REPORTING PERIOD	744	8784	57385
12 NUMBER OF HOURS REACTOR WAS CRITICAL	737.5	7320.2	48322.6
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	152.7	2330.5
14 HOURS GENERATOR ON-LINE	731.1	7213.0	47208.9
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1188454	11536101	72687224
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	391900	3810400	23994200
18 NET ELECTRICAL ENERGY GENERATED (MWH)	374178	3631892	22830970
19 UNIT SERVICE FACTOR	98.3	82.1	82.3
20 UNIT AVAILABILITY FACTOR	98.3	82.1	82.3
21 UNIT CAPACITY FACTOR (USING MDC NET)	96.3	79.2	75.9
22 UNIT CAPACITY FACTOR (USING DER NET)	94.0	77.3	74.4
23 UNIT FORCED OUTAGE RATE	1.7	6.2	5.5

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
Refueling shutdown of 6-week duration scheduled to start on April 18, 1981.

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

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH DECEMBER, 1980

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

1	516
2	521
3	517
4	521
5	522
6	517
7	521
8	516
9	521
10	518
11	522
12	516
13	521
14	518
15	522
16	517
17	521
18	522
19	518
20	518
21	518
22	518
23	516
24	518
25	518
26	123
27	427
28	513
29	518
30	518
31	518