

KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE

December, 1982

OPERATIONS:

On December 6, load was decreased to 50% to remove FWP 1A from service to inspect a noisy speed increaser. The monthly turbine stop valve operability test was also completed. FWP 1A was returned to service on December 8, and generation was increased to 100%.

On Monday, December 27, a leak in an elbow on the drain line from MSR 1B1 to the Heater Drain Tank forced a manual trip of the turbine. The unit was returned to service on December 28.

On Thursday, December 30, a leak in an elbow on the MSR 1B1 drain to FWH 15B forced a reduction to 50% power to remove the FWH from service. Later the same day, the unit was returned to 100% power and FWH 15B was put back in service.

MAINTENANCE:

Replaced a defective Holdup Tank level transmitter.

Replaced a defective Shield Building Vent damper controller.

Overhauled a Service Water Pump motor.

Overhauled a Charging Pump.

# AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH DECEMBER, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	513
2	513
3	513
4	513
5	518
6	370
7	235
8	292
9	509
10	513
11	513
12	513
13	518
14	514
15	514
16	514
17	513
18	514
19	514
20	509
21	514
22	514
23	509
24	513
25	435
26	439
27	218
28	14
29	234
30	397
31	509

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
 UNIT NAME: Kewaunee  
 DATE: January 3, 1983  
 COMPLETED BY: G. H. Ruiter  
 TELEPHONE: 414-388-2560 x225

REPORT MONTH - DECEMBER, 1982

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
7	12/ 6/82	S	0.0	B	5	N/A	CH	MECFUN	7. A load reduction to 50% power was taken for repair of Feedwater Pump 1A speed increaser couplings.
8	12/27/82	F	33.7	A	2	N/A	HJ	PIPEXX	8. The reactor and turbine were manually tripped due to a steam leak in a line between a moisture separator and the heater drain tank.
9	12/30/82	F	0.0	A	5	N/A	HJ	PIPEXX	9. A load reduction to 52% power was taken for repair of a leak in a 4-inch steam line at Feedwater Heater 15B.

## 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 &amp; COMPONENT CODES

From NUREG-0161

# 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, 1982

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) 542

7 MAXIMUM DEPENDABLE CAPACITY (NET MWE) 514

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\* NOTES \*  
\* The unit outage described in the Unit \*  
\* Shutdown Report ended a run of \*  
\* continuous operation at 216 days. \*  
\* \*  
\* \*  
\* \*  
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8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS  
MDC(net) and MDC(gross) were updated based on the winter capacity test.

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	74905
12 NUMBER OF HOURS REACTOR WAS CRITICAL	733.3	7749.7	63751.6
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	710.3	7669.8	62476.6
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1077471	12293067	97100001
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	350800	4015200	31967600
18 NET ELECTRICAL ENERGY GENERATED (MWH)	334042	3824851	30425108
19 UNIT SERVICE FACTOR	95.5	87.6	83.4
20 UNIT AVAILABILITY FACTOR	95.5	87.6	83.4
21 UNIT CAPACITY FACTOR (USING MDC NET)	87.4	84.9	77.8
22 UNIT CAPACITY FACTOR (USING DER NET)	83.9	81.6	75.9
23 UNIT FORCED OUTAGE RATE	4.5	0.5	4.3

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)  
Refueling shutdown of 8-week duration is scheduled to start on March 20, 1983.

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