

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
JANUARY 1980

OPERATIONS:

On January 1, the monthly turbine stop valve test was completed.

On January 4, a bus fault from the Main Auxiliary Transformer resulted in a turbine/reactor trip. The unit was returned to service on January 5.

On January 15 to January 16, the 1A Diesel Generator underwent a 24-hour functional test. Results of this test were acceptable.

On January 17, a bushing failure in the Reserve Auxiliary Transformer caused a loss of power to all but the safeguards buses. This resulted in a reactor/turbine trip.

On January 18, the plant was at cold shutdown for repair of the Reserve Auxiliary Transformer.

On January 24, the reactor coolant system was drained for repair of an apparent failure of a Number 2 seal on Reactor Coolant Pump B.

On January 28, the unit was returned to service and was at full load by the end of the month.

MAINTENANCE:

A diesel generator governor was replaced.

Cover gaskets on various limits switches as per IE Bulletin 79-28 were replaced.

The primary air motors on a diesel generator were replaced.

Replaced a position indicating switch on a main steam isolation valve.

Repaired and recalibrated some boric acid heat tracing temperature controllers.

8002140700

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305
 UNIT- KEWAUNEE
 COMPLETED BY- J. J. WALLACE
 TELEPHONE- 414-388-2560 X207

REPORT MONTH JANUARY, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	505
2	522
3	530
4	505
5	64
6	349
7	526
8	525
9	526
10	525
11	513
12	484
13	526
14	526
15	527
16	527
17	307
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	55
29	332
30	518
31	522

OPERATING DATA REPORT

DOCKET NO- 50-305
COMPLETED BY- J. J. WALLACE
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OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	JANUARY, 1980	*
3 LICENSED THERMAL POWER (MWT)	1650	* NOTES Two electrical related outages
4 NAMEPLATE RATING (GROSS MWE)	560	* this month. The first was caused by a
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* failure in inplant buswork. The second
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	545	* resulted in loss of power to non-safe-
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	526	* guards equipment resulting in a natural
		* circulation cooldown. RCP seal failure
		* extended the outage.
		*
		*
		*

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
N/A

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11 HOURS IN REPORTING PERIOD	744	744	49345
12 NUMBER OF HOURS REACTOR WAS CRITICAL	479.2	479.2	41481.7
13 REACTOR RESERVE SHUTDOWN HOURS	152.7	152.7	2330.5
14 HOURS GENERATOR ON-LINE	463.9	463.9	40459.7
15 UNIT RESERVE SUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	713133	713133	61864256
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	236900	236900	20420700
18 NET ELECTRICAL ENERGY GENERATED (MWH)	225880	225880	19424958
19 UNIT SERVICE FACTOR	62.3	62.3	82.0
20 UNIT AVAILABILITY FACTOR	62.3	62.3	82.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	57.7	57.7	75.1
22 UNIT CAPACITY FACTOR (USING DER NET)	56.7	56.7	73.6
23 UNIT FORCED OUTAGE RATE	37.7	37.7	5.9

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
Refueling; May 10, 1980; six weeks

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: February 1, 1980
COMPLETED BY: J. J. Wallace
TELEPHONE: 414-388-2560 x207

REPORT MONTH - JANUARY, 1980

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
1	1/ 4/80	F	15.4	A	3	N/A	EB	ELECON	1. Bus fault from Main Auxiliary transformer resulted in a turbine/reactor trip.
2a	1/17/80	F	158.7	A	3	N/A	EB	TRANSF	2a. Bushing failure in Reserve Auxiliary transformer caused loss of power to all but safeguards busses. Unit trip followed immediately.
2b		F	106.0	A	4	N/A	CB	MECFUN	2b. Apparent failure of No. 2 seal on 1B RCP extended this outage.

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 & COMPONENT CODES

From NUREG-0161