

KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE

September, 1980

OPERATIONS: On September 1, the unit was returned to full load after a power defect measurement.

On September 20, the unit load was decreased for the mothly turbine stop valve test and for condenser water box checking.

On September 26, the unit was removed from service and taken to cold shutdown when RCS bypass flow was lost because of a valve disc/stem separation.

On September 30, the unit was at normal operating temperature and pressure in preparation for returning the unit to service.

MAINTENANCE: Replaced a bistable for the Lo-Lo level setpoint on a boric acid tank.

Repaired and calibrated boric acid heat tracing contrcllers.

Replaced a boric acid tank heater.

Replaced a control transformer and wiring which had shorted out for a control room A/C compressor.

Replaced a component cooling pump control switch.

Rewired W-2 switches per NRC Bulletin No. 80-20.

Replaced two valves in a RTD loop.

Replaced a Bus 1-2 undervoltage detection relay.

Replaced a 4160 Volt breaker charging motor.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
 UNIT NAME: Kewaunee  
 DATE: October 1, 1980  
 COMPLETED BY: G. H. Ruiter  
 TELEPHONE: 414-388-2560 x225

REPORT MONTH - SEPTEMBER, 1980

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
8	9/20/80	S	0.0	B	5	N/A	HF	HTEXCH	8. A load reduction to 45% power was taken over the weekend to permit inspection of the Main Condenser water boxes.
9	9/26/80	P	118.1	A	1	80-032	CB	VALVEX	9. A disc/stem separation in a Loop B RTD by-pass loop isolation valve caused loss of flow in the RTD line. The unit was taken to cold shutdown to permit replacement of the failed valve. The outage was extended when another Loop B RTD by-pass loop isolation valve failed in the same manner after it was operated to isolate the by-pass loop during maintenance. This valve was also replaced.

## TYPE

P: 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

# OPERATING DATA REPORT

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

## OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	SEPTEMBER, 1980	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* During this report period, a
4 NAMEPLATE RATING (GROSS MWE)	560	* weekend load reduction for Main
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* Condenser waterbox inspection and a unit
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	545	* shutdown for replacement of RTD by-pass
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	518	* loop isolation valves were required.
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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

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11 HOURS IN REPORTING PERIOD	720	6575	55176
12 NUMBER OF HOURS REACTOR WAS CRITICAL	602.2	5122.9	46125.3
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	152.7	2330.5
14 HOURS GENERATOR ON-LINE	601.9	5029.4	45025.3
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (BWH)	946334	7982581	69133704
17 GROSS ELECTRICAL ENERGY GENERATED (BWH)	310200	2639000	22822800
18 NET ELECTRICAL ENERGY GENERATED (BWH)	295198	2514923	21714001
19 UNIT SERVICE FACTOR	83.6	76.5	81.6
20 UNIT AVAILABILITY FACTOR	83.6	76.5	81.6
21 UNIT CAPACITY FACTOR (USING HDC NET)	79.2	73.1	75.1
22 UNIT CAPACITY FACTOR (USING DER NET)	76.6	71.5	73.6
23 UNIT FORCED OUTAGE RATE	16.4	8.2	5.7
24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	None		

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - October 1, 1980

# AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH SEPTEMBER, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	454
2	503
3	516
4	516
5	516
6	520
7	521
8	521
9	517
10	525
11	517
12	517
13	521
14	521
15	508
16	516
17	516
18	516
19	517
20	218
21	267
22	521
23	520
24	520
25	491
26	6
27	0
28	0
29	0
30	0