

KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE

MARCH 1979

OPERATIONS:

On March 3, the unit generation was reduced to 110MW for the monthly turbine stop valve test. During this power reduction a leak check of the condenser was completed.

On March 11, the reactor was manually tripped because of ice accumulation on the circulating water inlet.

On March 12, a spurious trip occurred when the control power was removed from a power range drawer being removed from service.

MAINTENANCE:

A high voltage power supply for a Radiation Monitor was replaced.

A Diesel Generator Day Tank Level Indicator was recalibrated when it was found to be out of spec.

A Diesel Generator Governor Control was repaired and adjusted because of erratic operation in manual control.

The mechanical seals on a Waste Gas Compressor were replaced.

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# O P E R A T I N G   D A T A   R E P O R T

DOCKET NO- 50-305  
COMPLETED BY- J. J. WALLACE  
TELEPHONE- 414-386-2560 X207

## O P E R A T I N G   S T A T U S

1 UNIT NAME      KEWAUNEE	*****
2 REPORTING PERIOD      MARCH, 1979	* NOTES      ROUTINE UNIT OPERATIONS INTER-
3 LICENSED THERMAL POWER (MWT)      1650	* RUPTED BY TWO TRIPS. ONE CAUSED BY ICE
4 NAMEPLATE RATING (GROSS MWE)      560	* ACCUMULATION AT THE CIRC WATER INLET,
5 DESIGN ELECTRICAL RATING (NET MWE)      535	* THE OTHER BY A SPURIOUS TRIP WHEN THE
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)      545	* CONTROL POWER WAS REMOVED FROM A POWER
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)      517	* RANGE DRAWER BEING REMOVED FROM SERVICE.
	* ONE SCHEDULED BACKDOWN WAS CONDUCTED FOR
	* MONTHLY STOP VALVE TEST.
	*****
8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS	
9 POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE)	
10 REASONS FOR RESTRICTIONS, IF ANY	

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11 HOURS IN REPORTING PERIOD	744	2160	42001
12 NUMBER OF HOURS REACTOR WAS CRITICAL	734.7	2140.7	36104.4
13 REACTOR RESERVE SHUTDOWN HOURS	9.3	19.3	2026.3
14 HOURS GENERATOR ON-LINE	723.3	2124.7	35196.7
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1135718	3395341	53598622
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	371600	1113200	17683500
18 NET ELECTRICAL ENERGY GENERATED (MWH)	353549	1060647	16820436
19 UNIT SERVICE FACTOR	97.2	98.4	83.8
20 UNIT AVAILABILITY FACTOR	97.2	98.4	83.8
21 UNIT CAPACITY FACTOR (USING MDC NET)	91.9	95.0	76.3
22 UNIT CAPACITY FACTOR (USING DER NET)	88.8	91.8	74.7
23 UNIT FORCED OUTAGE RATE	2.8	1.6	3.8
24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH) CYCLE IV-V REFUELING - MAY 27, 1979 - 5 WEEKS			
25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - N/A			

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1979

DOCKET NO. 50-305  
 UNIT NAME Kewaunee  
 DATE April 2, 1979  
 COMPLETED BY L.L. Wallace  
 TELEPHONE 414-388-2560

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
3	790304	S	0	BD	N/A	N/A	HB	VALVEX	3. Reduced load for monthly stop valve test.
4	790311	F	17.4	H	2	N/A	HF	ZZZZZZ	4. Ice blockage of circ. water inlet structure prevented adequate circ water flow to maintain vacuum. Manually tripped unit.
5	790312	F	3.3	A	3	N/A	IA	INSTRU	5. Removal of one NI power range control power fuses caused a unit trip.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source