

KEWAUNEE NUCLEAR POWER PLANT

SUMMARY OF OPERATING EXPERIENCE

FEBRUARY 1979

OPERATIONS: On February 5, the reactor was manually tripped when ice on the intake structure resulted in low forebay level. The unit was returned to service the same day.

On February 10, load was decreased to 275 MW to change the oil in Feedwater Pump 1B. The unit was back at full load on February 11.

MAINTAINANCE: The mechanical latching mechanism for a relay used in the SI sequence (Train A) was adjusted.

A Charging Pump speed controller was repaired.

The air motors and governor on the Diesel Generators were inspected and repaired.

The vari-drive on a Charging Pump was repaired.

Gaskets were replaced on Main Steam Controlled Relief control valves.

7903160122

UNIT Kewaunee #1

DATE March 5, 1979

COMPLETED BY J.J. Wallace

DAILY PLANT POWER OUTPUT

MONTH FEBRUARY,,1979

<u>DAY</u>	<u>AVERAGE NET DAILY MWe</u>
1	517
2	517
3	516
4	513
5	84
6	307
7	516
8	517
9	517
10	509
11	439
12	517
13	438
14	516
15	516
16	513
17	512
18	517
19	517
20	517
21	513
22	516
23	517
24	518
25	517
26	505
27	513
28	517

**OPERATING DATA REPORT**

DOCKET NO. 50-305  
 DATE 3-5-79  
 COMPLETED BY J.J. Wallace  
 TELEPHONE 414-388-2560

**OPERATING STATUS**

1. Unit Name: Kewaunee
2. Reporting Period: February, 1979
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): 517
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes  
 Routine unit operation with one outage caused by ice buildup in intake.

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	672.	1,416.	41,257
12. Number Of Hours Reactor Was Critical	662.0	1,406.0	35,369.7
13. Reactor Reserve Shutdown Hours	10.0	10.0	2,017.0
14. Hours Generator On-Line	657.4	1,401.4	34,473.6
15. Unit Reserve Shutdown Hours	0	0	10.0
16. Gross Thermal Energy Generated (MWH)	1,047,590	2,259,623	52,462,904
17. Gross Electrical Energy Generated (MWH)	343,300	741,600	17,311,900
18. Net Electrical Energy Generated (MWH)	327,095	707,098	16,466,887
19. Unit Service Factor	97.8	99.0	83.6
20. Unit Availability Factor	97.8	99.0	83.6
21. Unit Capacity Factor (Using MDC Net)	94.1	96.6	76.0
22. Unit Capacity Factor (Using DER Net)	91.0	93.3	74.6
23. Unit Forced Outage Rate	2.2	1.0	3.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
	Refueling; May 20, 1979; 6 weeks		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: \_\_\_\_\_
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-305  
 UNIT NAME Kewaunee  
 DATE 3-5-79  
 COMPLETED BY J.J. Wallace  
 TELEPHONE 414-388-2560

REPORT MONTH February, 1979

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
2	790205	F	14.6	H	2	N/A	HF	ZZZZZZ	2. Forebay level dropped below the minimum required for circ. water pump operation due to heavy lake ice. The circ. water recirc. pump was out of service at the time of this occurrence.

<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 C - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

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