

KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE  
OCTOBER 1978

OPERATIONS: On October 15, the monthly turbine governor and stop valve test was completed.

Also, on October 15, unit load was decreased for condenser tube leak checking and plugging.

The unit was operated at reduced load for a minor portion of the month due to light system demands.

MAINTENANCE: A damaged air line for a charging pump speed controller was replaced.

The upper load limit switch on a diesel generator was adjusted to enable the diesel generator to obtain full load.

Cooling water lines to the Service Water Pumps were cleaned and/or replaced.

7811140118

**OPERATING DATA REPORT**

DOCKET NO. 50-305  
 DATE 11-3-78  
 COMPLETED BY J.J. Wallace  
 TELEPHONE 414-388-2560

**OPERATING STATUS**

- 1. Unit Name: Kewaunee
- 2. Reporting Period: October, 1978
- 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): 519
- 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

**Notes**  
 Unrestricted unit operation during report period. One weekend back-down to inspect and repair condenser tube leakage.

- 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	745	7,296	38,377
12. Number Of Hours Reactor Was Critical	745.0	6,444.0	32,506.3
13. Reactor Reserve Shutdown Hours	0	9.0	2,000.4
14. Hours Generator On-Line	745.0	6,384.6	31,618.4
15. Unit Reserve Shutdown Hours	0	0	10.0
16. Gross Thermal Energy Generated (MWH)	1,208,085	10,079,839	47,873,294
17. Gross Electrical Energy Generated (MWH)	398,500	3,317,700	15,800,700
18. Net Electrical Energy Generated (MWH)	379,463	3,157,465	15,026,793
19. Unit Service Factor	100.0	87.5	82.4
20. Unit Availability Factor	100.0	87.5	82.4
21. Unit Capacity Factor (Using MDC Net)	98.1	83.3	74.5
22. Unit Capacity Factor (Using DER Net)	95.2	80.9	73.2
23. Unit Forced Outage Rate	0	0.2	4.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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 Kewaunee #1

DATE November 3, 1978

COMPLETED BY J. J. Wallace

DAILY PLANT POWER OUTPUT

MONTH October, 1978

DAY                      AVERAGE NET  
                                 DAILY MWe

1	516
2	520
3	516
4	520
5	516
6	516
7	516
8	520
9	512
10	520
11	520
12	516
13	516
14	516
15	311
16	512
17	512
18	516
19	516
20	512
21	516
22	508
23	516
24	516
25	516
26	516
27	516
28	516
29	518
30	516
31	516

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1978

DOCKET NO. 50-305  
 UNIT NAME Kewaunee  
 DATE 11-3-78  
 COMPLETED BY J.J. 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
8	781015	S	0	B	N/A	N/A	HF	HTEXCH	8. Reduced load to allow inspection and repair of condenser circ. water tubes.

<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

REFUELING INFORMATION REQUEST

1. Name of Facility.

RESPONSE: Kewaunee

2. Scheduled date for next refueling shutdown.

RESPONSE: 5/20/79

3. Scheduled date for restart following refueling.

RESPONSE: 6/24/79

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If answer is yes, what, in general, will these be?

If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

If no such review has taken place, when is it scheduled?

RESPONSE: The core loading will be very similar to cores 3 and 4 and no change to the safety analysis should be required. The fuel vendor will be Exxon rather than Westinghouse who supplied the previous fuel for Kewaunee. Review of the core 5 design by the Plant Safety Review Committee will occur prior to submittal of the design information to the NRC.

5. Scheduled date(s) for submitting proposed licensing action and supporting information.

RESPONSE: 2/29/79

6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

RESPONSE: As stated in the response to 4 above, the fuel supplier will be changed to Exxon. The review of WPS neutronic calculational methods is in progress within the NRC. No other changes are planned.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

RESPONSE: (a) 121 elements in core  
(b) 120 elements in storage

8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

RESPONSE: Present spent fuel pool capacity is 168 elements. Licensing and modification to increase the capacity to 990 elements is in progress.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

RESPONSE: The May 1979 refueling would add an additional 40 elements to the 120 elements presently in storage to leave only 8 of the 168 storage locations open.

11/7/78