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SUBJECT:

LTR 1 ENCL 1

FORWARDING SUBJECT FACILITY'S MONTHLY OPERATING REPT FOR THE MONTH OF MARCH,
1978.

PLANT NAME: KEWAUNEE

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: M

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

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MONTHLY OPERATING REPORT FOR GRAY BOOK PREPARATION.
(DISTRIBUTION CODE A003)

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REGULATORY DOCKET FILE COPY

WISCONSIN PUBLIC SERVICE CORPORATION

Public Service

P.O. Box 1200, Green Bay, Wisconsin 54305

April 10, 1978

Director
Office of Management Information &
Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

Docket No. 50-305
Operating License DPR-43
Monthly Operating Report

The narrative "Summary of Operating Experience" and completed forms covering plant and component availability for the Kewaunee Nuclear Power Plant for March, 1978, are enclosed.

Very truly yours,

E. W. James *ERM*

E. W. James
Senior Vice President
Power Supply & Engineering

sa

Enc.

cc - Mr. J. G. Keppler, Dir
US NRC - Region III

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KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
MARCH 1978

OPERATIONS: For the month of March, Kewaunee was base loaded with the exception of March 19, when generation was reduced to 288MW for turbine governor and stop valve operability test plus cleaning of the condensate pump strainers.

MAINTENANCE: The torque switch contacts on an Excess Letdown Heat Exchanger Return Isolation Valve were cleaned.

The check valves on a Diesel Generator Air Compressor were replaced.

A valve diaphragm for a Waste Gas Compressor was replaced.

A Containment Sump B Isolation Valve was cycled satisfactorily after it was reported to not have opened fully on test.

A broken shaft was replaced on a BA Evaporator Concentrates Pump.

A trip coil was replaced on a Diesel Generator 4160V breaker.

During the power reduction of March 19, the Condensate Strainers were cleaned and the Heater Drain Pump brushes were checked.

OPERATING DATA REPORT

DOCKET NO. 50-305
 DATE 4-5-78
 COMPLETED BY J. J. Wallace
 TELEPHONE 414-388-2560

OPERATING STATUS

1. Unit Name: Kewaunee
2. Reporting Period: March, 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): 542
7. Maximum Dependable Capacity (Net MWe): 521
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

No changes.

Notes No unit shutdowns,
weekend backdown for
routine maintenance.

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>2,160.0</u>	<u>33,241.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2,160.0</u>	<u>28,222.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1,991.3</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2,160.0</u>	<u>27,393.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>10.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,203,381.0</u>	<u>3,520,758.0</u>	<u>41,314,213.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>395,100.0</u>	<u>1,158,900.0</u>	<u>13,641,900.0</u>
18. Net Electrical Energy Generated (MWH)	<u>376,678.0</u>	<u>1,105,860.0</u>	<u>12,975,188.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>82.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>82.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.2</u>	<u>98.3</u>	<u>74.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.6</u>	<u>95.7</u>	<u>73.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>4.6</u>

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

Refueling; April 23, 1978; 6 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved

UNIT Kewaunee #1

DATE April 4, 1978

COMPLETED BY J.J. Wallace

DAILY PLANT POWER OUTPUT

MONTH MARCH 1978

<u>DAY</u>	<u>AVERAGE NET DAILY MWe</u>
1	513
2	513
3	509
4	514
5	509
6	516
7	505
8	514
9	512
10	513
11	512
12	512
13	508
14	508
15	513
16	508
17	508
18	508
19	407
20	504
21	508
22	508
23	508
24	509
25	510
26	510
27	509
28	504
29	508
30	512
31	504

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1978

DOCKET NO. 50-305
UNIT NAME Kewaunee
DATE 4-5-78
COMPLETED BY J. Wallace
TELEPHONE 414-388-2560

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	780319	S	0	B	4	N/A	HH	FILTER	See narrative summary.

1
F: Forced
S: Scheduled

2 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)

3 Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

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

5 Exhibit I - Same Source

(9/77)