

CATEGORY 1

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ACCESSION NBR: 9803190398 DOC. DATE: 98/02/28 NOTARIZED: NO DOCKET #
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SUBJECT: Monthly operating rept for Feb 1998 for Kewaunee Nuclear Power Plant. W/980310 ltr.

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Public Service Corporation

(a subsidiary of WPS resources corporation)

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March 10, 1998

10 CFR 50.36

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Monthly Operating Report _____

The narrative "Summary of Operating Experience" and completed forms covering plant and component availability for the Kewaunee Nuclear Power Plant for February 1998 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

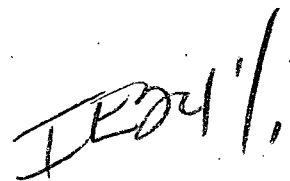


Mark L. Marchi
Manager-Nuclear Business Group

MLA

Enc.

cc - US NRC - Region III
NRC Senior Resident Inspector
INPO Records Center



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KEWAUNEE NUCLEAR POWER PLANT - DOCKET 50-305
SUMMARY OF OPERATING EXPERIENCE

February, 1998

On 2-6-98, at 1400, load backdown began for a short scheduled outage to repair RxCP B #2 Seal. G-1 was opened at 2331. Following successful repair of the #2 Seal, G-1 was closed on 2-13-98, at 1811. Full power was reached on 2-16-98, at 1800.

On 2-24-98, at 1505, during the performance of SP55-155B, Engineered Safeguards Test, an inadvertent Train B Isolation signal was generated causing both Feedwater Pumps and the Turbine/Reactor to trip. PORC performed a second level review of the investigation and repairs and concurred with the Shift Supervisor, which then allowed restart of the Reactor. G-1 was closed on 2-25-98 at 1044, and the unit reached full power at 2311.

At months end, the unit continues to operate at 97%, steady state operation.¹

Instrument and Control group activities for the month:

- Assisted I&C Engineering with Generic Letter 96-01 testing of contacts associated with Low Reactor Coolant Flow and High Steam Flow.
- Replaced/adjusted Westinghouse MG-6 style relay in Engineered Safeguards Train B for Feedwater Isolation after the relay failed to latch during Operations Surveillance Testing.

Maintenance group activities for the month:

Mechanical

Activities in the mechanical area for February included testing of filters for the safety related ventilation systems such as Control Room Post Accident Recirc, Shield Building Vent and Spent Fuel Pool Exhaust. The screen house roof damper actuators were repaired along with the 1A Charging pump suction valves. A short shutdown was needed to repair the Reactor Coolant Pump 1B seal.

Electrical

Tape splices for the containment dome fan 1A motor were replaced with Raychem splices to meet EQ standards. Performed tests on Reserve Auxiliary Transformer undervoltage monitor aux relay to verify contacts operate properly. Adjusted limit switches associated with various components to provide proper indication. These changes have been reviewed by PORC.

¹ Full power has been limited to 97% of rated capacity due to steam generator plugging. Turbine governor valves are wide open.

A V E R A G E D A I L Y U N I T P O W E R L E V E L

DOCKET NO- 50-305

UNIT- KEWAUNEE

COMPLETED BY- M. L. ANDERSON

TELEPHONE- 920-388-8453

REPORT MONTH FEBRUARY, 1998

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	509
2	508
3	508
4	508
5	508
6	386
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	189
15	380
16	491
17	496
18	492
19	496
20	504
21	504
22	504
23	504
24	313
25	167
26	499
27	504
28	500

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: March 6, 1998
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - FEBRUARY, 1998

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
1	2/6/98	S	162.67	B	1	N/A	CJ	PUMPXX	On 2-6-98, at 1400, load backdown began for a short scheduled outage to repair RxCP B #2 Seal. G-1 was opened at 2331. Following successful repair of the #2 Seal, G-1 was closed on 2-13-98, at 1811. Full power was reached on 2-16-98, at 1800.
2	2/24/98	F	19.65	B	3	1998-005	SH	RELAYX	On 2-24-98, at 1505, during the performance of SP55-155B, Engineered Safeguards Test, an inadvertent Train B Isolation signal was generated causing both Feedwater Pumps and the Turbine/Reactor to trip. PORC performed a second level review of the investigation and repairs and concurred with the Shift Supervisor, which then allowed restart of the Reactor. G-1 was closed on 2-25-98 at 1044, and the unit reached full power at 2311.

TYPE

F: 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 & COMPONENT CODES

From NUREG-0161

OPERATING DATA REPORT

DOCKET NO- 50-305
COMPLETED BY- M. L. ANDERSON
TELEPHONE- 920-388-8453

OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	FEBRUARY, 1998	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* Unit at 97%, steady state operation
4 NAMEPLATE RATING (GROSS MWE)	560	*
5 DESIGN ELECTRICAL RATING (NET MWE)	535	*
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	537	*
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	511	*****

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	672	1416	207818
12 NUMBER OF HOURS REACTOR WAS CRITICAL	520.4	1264.4	174943.5
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	489.7	1233.7	172894.1
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	720791	1911283	273824742
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	239300	636300	90774500
18 NET ELECTRICAL ENERGY GENERATED (MWH)	227386	605873	86387677
19 UNIT SERVICE FACTOR	72.9	87.1	83.2
20 UNIT AVAILABILITY FACTOR	72.9	87.1	83.2
21 UNIT CAPACITY FACTOR (USING MDC NET)	66.2	83.7	81.1
22 UNIT CAPACITY FACTOR (USING DER NET)	63.2	80.0	77.7
23 UNIT FORCED OUTAGE RATE	3.9	1.6	1.9

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 - N/A