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SUBJECT: Monthly operating rept for Feb 1994 for Kewaunee Nuclear Power Plant. W/940307 ltr.

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WISCONSIN PUBLIC SERVICE CORPORATION

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March 7, 1994

10 CFR 50.36

U. S. Nuclear Regulatory Commission
ATTN: 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 1994 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

C. A. Schrock
Manager-Nuclear Engineering

BJD/jmf

Enc.

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

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**KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE**

February, 1994

100%, steady state power continued during this reporting period.

Mechanical and Electrical work for the month included:

- Replacement of shaft packing in the A1 Service Water Strainer
- Replacement of a Containment Air Particulate Monitor Pump
- Investigation into speed control problems with the A Charging Pump Variable Speed Drive
- Rebuild of Steam Dump Power Operated Relief Valve, SD-3A
- Support of safety related ventilation filter testing activities
- Replacement of a cooling fan for instrument bus inverter BRB-112
- Preventive maintenance on the Control Room air conditioning units
- Motor Operated Valve diagnostic testing for SI-4A and SI-5A

The Instrument and Control group's activities for the month were routine with the following highlights:

- During the month the B train of the Engineered Safety Features System experienced a loss of DC power failure. I&C identified and temporarily repaired the failure (shorted bulb and blown fuse) successfully on line. Permanent removal of the loss of DC power light circuits on both the A and B train ESF will be done during the 1994 refueling outage.
- Additional activities included repair/adjustment of several Boric Acid Heat Tracing controllers during the annual calibration procedures, and routine Radiation Monitoring System maintenance.

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- 414-388-2560 X2453

REPORT MONTH FEBRUARY, 1994

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

1	529
2	524
3	524
4	529
5	525
6	529
7	529
8	525
9	528
10	524
11	524
12	528
13	524
14	529
15	524
16	528
17	524
18	528
19	529
20	524
21	528
22	524
23	528
24	528
25	528
26	524
27	524
28	524

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- M. L. ANDERSON
 TELEPHONE- 414-388-2560 X2453

O P E R A T I N G S T A T U S

1 UNIT NAME	KEWAUNEE	*****	*****
2 REPORTING PERIOD	FEBRUARY, 1994	* NOTES	*
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)	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	172754
12 NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1273.4	148267.6
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	672.0	1267.6	146375.1
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1105268	2034697	231974843
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	371000	681900	76843000
18 NET ELECTRICAL ENERGY GENERATED (MWH)	353730	649630	73141582
19 UNIT SERVICE FACTOR	100.0	89.5	84.7
20 UNIT AVAILABILITY FACTOR	100.0	89.5	84.7
21 UNIT CAPACITY FACTOR (USING MDC NET)	103.0	89.8	82.6
22 UNIT CAPACITY FACTOR (USING DER NET)	98.4	85.8	79.1
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.2

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
 Unit is expected to shut down Apr 1, 1994 for annual refueling outage.

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - NA

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: March 4, 1994
 COMP BY: Mary L. Anderson
 TELEPHONE: 414-388-2560 x2453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - FEBRUARY, 1994

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
									No shutdowns or outages occurred during this reporting period.

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