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 ANDERSON, M.L. Wisconsin Public Service Corp.
 SCHROCK, C.A. Wisconsin Public Service Corp.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1993 for KNPP.W/930310 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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WISCONSIN PUBLIC SERVICE CORPORATION

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March 10, 1993

10 CFR 50.36

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

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 1993 are enclosed in accordance with Technical Specification 6.9.1(c).

Sincerely,

A handwritten signature in black ink, appearing to read "C. A. Schrock".

for C. A. Schrock
Manager-Nuclear Engineering

BAP/jms

Enc.

cc - US NRC - Region III
Mr. Patrick Castleman, US NRC
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PDR ADOCK 05000305
R PDR



A large, handwritten signature in black ink, possibly reading "JEH".

DOCKET 50-305

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
FEBRUARY, 1993

OPERATIONS:

On February 3, at 1900 a unit backdown commenced to repair an oil leak on "B" Feedwater Pump Motor Outboard Bearing. Repairs were completed at 2230 (57% power, 304 MWe); however, Xenon oscillations necessitated a further power reduction to 53% power, 282 MWe. At 0200 on Thursday, February 4 authorization was received to increase power to 100% which was reached at 0834 on Thursday, February 4.

The unit continued to run at 100% power until Sunday, February 21, when power was reduced to 98%, starting the End of Life Coastdown.

MAINTENANCE:

The Mechanical and Electrical Group activities for the month included support of filter testing for various safety-related ventilation systems, completion of annual inspections of the Turbine and Auxiliary Building cranes, testing of various Motor Operated Valves, replacement of cylinder packing in the A Charging Pump, and rebuild of the Variable Speed Drive Unit on the B Charging Pump.

I & C:

The Instrument and Control group activities were primarily in preparation of the upcoming refueling outage. During the month, a rod control system failure was detected during Operational surveillance testing. I&C identified and repaired the failures (a firing card and a phase card) successfully on-line. Additional activities included: periodic calibrations of the boric acid heat trace controllers; recalibration of out of tolerance bistables for reactor coolant low flow and pressurizer high level; and routine radiation monitoring system maintenance.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305
UNIT- KEWAUNEE
COMPLETED BY- M. L. ANDERSON
TELEPHONE- 414-388-2560 X2453

REPORT MONTH FEBRUARY, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	520
2	520
3	487
4	466
5	524
6	524
7	524
8	524
9	520
10	524
11	524
12	524
13	524
14	524
15	524
16	524
17	524
18	520
19	524
20	520
21	520
22	512
23	504
24	495
25	487
26	475
27	471
28	458

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: March 4, 1993
 COMP BY: Mary L. Anderson
 TELEPHONE: 414-388-2560 x2453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - FEBRUARY 1993

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
2	02-03-93	S	0.0	B	5	N/A	CH	MOTORX	<p>02-03-93, 1900 - Started backdown to repair oil leak on "B" Feedwater Pump Motor Outboard Bearing.</p> <p>02-03-93, 2124 - 57% power, 304 MWe</p> <p>02-03-93, 2230 - Repairs complete, however started further power reduction due to Xenon oscillation.</p> <p>02-03-93, 2241 - 53% power, 282 MWe</p> <p>02-04-93, 0200 - Started power increase to 100%.</p>

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

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, 1993	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* Normal operation continued during
4 NAMEPLATE RATING (GROSS MWE)	560	* this reporting period.
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	163994
12 NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1378.3	140764.9
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	672.0	1374.7	138932.0
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1085208	2222133	220144871
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	360200	739400	72885400
18 NET ELECTRICAL ENERGY GENERATED (MWH)	342848	704110	69379149
19 UNIT SERVICE FACTOR	100.0	97.1	84.7
20 UNIT AVAILABILITY FACTOR	100.0	97.1	84.7
21 UNIT CAPACITY FACTOR (USING MDC NET)	99.8	97.3	82.5
22 UNIT CAPACITY FACTOR (USING DER NET)	95.4	92.9	79.1
23 UNIT FORCED OUTAGE RATE	0.0	2.9	2.3

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
 Refueling outage of six-week duration is scheduled to start March 5, 1993.

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - N/A