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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1990 for Kewaunee Nuclear
 Power Plant w/900309 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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WISCONSIN PUBLIC SERVICE CORPORATION

600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

March 9, 1990

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 1990 are enclosed in accordance with Technical Specification 6.9.1(c).

Sincerely,

A handwritten signature in black ink, appearing to read "KHE" followed by a flourish.

K. H. Evers
Manager - Nuclear Power

BAP/jms

Enc.

cc - US NRC - Region III
Mr. Patrick Castleman, US NRC
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Atlanta, GA 30339

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Handwritten initials "TE2A" with a diagonal line through them, and the number "11" written below.

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
FEBRUARY, 1990

OPERATIONS: Normal full power operation continued through the month of February.

MAINTENANCE: Maintenance activities for the month of February centered around the upcoming refueling outage scheduling, preparation, prerequisite performance and refresher training.

Additionally, I & C personnel replaced various solenoid valves and/or coils for Equipment Qualification reasons, checked stroke and set up limit switches for various valves and replaced an incore instrumentation detector.

Plant Electricians worked on Boric Acid Heat Trace circuit repairs, Reactor trip bypass breaker repair and MOVATS testing for several limitorque valve operators.

Maintenance Mechanics replaced a Boric Acid Transfer Pump mechanical seal, performed annual pre-outage air compressor overhauls and Turbine Driven Auxiliary Feedwater Pump speed oscillation investigation with the vendor.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305
UNIT- KEWAUNEE
COMPLETED BY- G. H. RUITER
TELEPHONE- 414-388-2560 X225

REPORT MONTH FEBRUARY, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	516
2	520
3	520
4	516
5	520
6	516
7	520
8	520
9	516
10	520
11	516
12	520
13	516
14	520
15	516
16	520
17	516
18	520
19	516
20	520
21	516
22	520
23	516
24	520
25	516
26	520
27	520
28	516

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: March 1, 1990
 COMPLETED BY: G. H. Ruiter

TELEPHONE: 414-388-2560 x2225

REPORT MONTH - FEBRUARY, 1990

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
No shutdowns or power reductions in February.									

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- G. H. RUITER
 TELEPHONE- 414-388-2560 X225

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

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	FEBRUARY, 1990	* NOTES *
3 LICENSED THERMAL POWER (MWT)	1650	* Normal power operation continued through *
4 NAMEPLATE RATING (GROSS MWE)	560	* the reporting period. *
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* *
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	529	* *
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	503	* *

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	137690
12 NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1416.0	118070.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	672.0	1416.0	116371.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1104275	2322253	183814451
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	365500	769000	60796800
18 NET ELECTRICAL ENERGY GENERATED (MWH)	348071	732316	57893464
19 UNIT SERVICE FACTOR	100.0	100.0	84.5
20 UNIT AVAILABILITY FACTOR	100.0	100.0	84.5
21 UNIT CAPACITY FACTOR (USING MDC NET)	103.0	102.8	81.8
22 UNIT CAPACITY FACTOR (USING DER NET)	96.8	96.7	78.6
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.6

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
 Refueling shutdown of six-week duration scheduled to start March 2, 1990.

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