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 SCHROCK, C.A. Wisconsin Public Service Corp.
 RECIP. NAME: RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1993 for Kewaunee. W/930210
 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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February 10, 1993

10 CFR 50.36

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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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 January 1993 are enclosed in accordance with Technical Specification 6.9.1(c).

Sincerely,

A handwritten signature in cursive script that reads "C. A. Schrock".

C. A. Schrock
Manager-Nuclear Engineering

BAP/jms

Enc.

cc - US NRC - Region III
Mr. Patrick Castleman, US NRC
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A large, stylized handwritten signature, possibly reading "JE24", with a vertical line extending upwards from the right side.

DOCKET 50-305

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE

JANUARY, 1993

OPERATIONS: An automatic Reactor trip occurred on January 28 due to Bus 1 & 2 undervoltage Reactor Trip signal. Phase to phase fault in "B" Main Feedwater Pump motor tripped its supply breaker and caused Bus 1 & 2 undervoltage.

MAINTENANCE: Work included charcoal filter replacement in the Spent Fuel Pool Exhaust Fan System, inspection and rebuild of the B Residual Heat Removal Pump, replacement of Chemical and Volume Control Charging Pump cylinder packing, and replacement of the 1A2 Service Water Pump motor.

As a result of the plant trip on January 28, due to a phase to phase winding failure on the B Main Feedwater motor, work was performed to replace the motor and support plant startup activities.

I & C: Instrument and Control activities included supporting the plant return to operation following the plant trip January 28. Replaced firing card in Rod Control cabinet 1BD following a rod control system urgent failure during reactor startup.

Prior to the shutdown, Instrument and Control activities were routine and included the following:

Recalibrated Steam Generator Low-Low Level Reactor Trip Bistable (LC-463C), Hi/Lo Tavg Duplex Alarm (TC-403D), and Overtemperature Delta Temperature Trip (TC-408C). Replaced Turbine Driven Auxiliary Feedwater Pump Oil Cooler Temperature Indicator.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH JANUARY, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	524
2	524
3	525
4	524
5	524
6	524
7	524
8	524
9	529
10	524
11	524
12	525
13	524
14	524
15	524
16	520
17	524
18	524
19	524
20	524
21	524
22	524
23	529
24	524
25	524
26	524
27	524
28	103
29	7
30	306
31	474

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: February 8, 1993
 COMP BY: Mary L. Anderson
 TELEPHONE: 414-388-2560 x2453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - JANUARY 1993

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
1	01-28-93	F	41.3	A	3	93-001	CH	MOTORX	Auto Reactor trip occurred due to bus 1 & 2 undervoltage Rx Trip signal. Phase to phase fault in "B" Main Feedwater Pump motor tripped it's supply breaker and caused bus 1 & 2 undervoltage.

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- 414-388-2560 X2453

OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	JANUARY, 1993	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* A forced outage occurred 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	744	744	163322
12 NUMBER OF HOURS REACTOR WAS CRITICAL	706.3	706.3	140092.9
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	702.7	702.7	138260.0
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1136925	1136925	219059663
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	379200	379200	72525200
18 NET ELECTRICAL ENERGY GENERATED (MWH)	361263	361263	69036302
19 UNIT SERVICE FACTOR	94.5	94.5	84.7
20 UNIT AVAILABILITY FACTOR	94.5	94.5	84.7
21 UNIT CAPACITY FACTOR (USING MDC NET)	95.0	95.0	82.4
22 UNIT CAPACITY FACTOR (USING DER NET)	90.8	90.8	79.0
23 UNIT FORCED OUTAGE RATE	5.5	5.5	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