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SUBJECT: Monthly operating rept for Aug 1993 for KNPP.W/930910 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

September 10, 1993

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 August 1993 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

C. A. Schrock  
Manager-Nuclear Engineering

BAP/jmf

Enc.

cc - US NRC - Region III  
NRC Senior Resident Inspector  
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LIC\NRC\MOR

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

**August, 1993**

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

**Maintenance activities for the month included replacement of the B1 Service Water Pump strainer backwash piping, testing of the charcoal filter fire systems for the Spent Fuel Pool and Special Ventilation Systems, repair of Heat Trace circuit 5 in the Chemical and Volume Control System, troubleshooting a relay cycling in the load sequencer for the B Diesel Generator, and preparation for performance testing of Motor Operated Valve CC-6A.**

**The Instrument and Control group's activities for the month of August included:**

- **An Engineered Safety Features relay contact became dislodged during the performance of a routine monthly surveillance; therefore, the relay was replaced.**
- **Replacement of an isolation box between the Tavg protection and control circuits due to spikes experienced in the channel.**
- **The annual calibration of the Radiation Monitoring System continued with the generation of additional maintenance activities to correct out-of-specification conditions.**

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      AUGUST, 1993

DAY                      AVERAGE DAILY  
                            POWER LEVEL  
                            (MWE-NET)

1	527
2	522
3	522
4	522
5	527
6	527
7	523
8	523
9	523
10	522
11	526
12	523
13	522
14	518
15	518
16	518
17	514
18	514
19	518
20	518
21	514
22	518
23	518
24	527
25	523
26	527
27	523
28	523
29	527
30	523
31	523

DOCKET NO: 50-305  
 UNIT NAME: Kewaunee  
 DATE: September 9, 1993  
 COMP BY: Mary L. Anderson  
 TELEPHONE: 414-388-2560 x2453

**UNIT SHUTDOWNS AND POWER REDUCTIONS**  
**REPORT MONTH - AUGUST 1993**

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

**TYPE**

**REASON**

**METHOD**

**SYSTEM & COMPONENT CODES**

F: FORCED  
 S: SCHEDULED

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)

1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuations  
 5-Load Reductions  
 9-Other

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	AUGUST, 1993	* 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	744	5831	168409
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4678.7	144065.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	4621.3	142178.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1226800	7195288	225118026
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	408600	2398100	74544100
18 NET ELECTRICAL ENERGY GENERATED (MWH)	388095	2277201	70952240
19 UNIT SERVICE FACTOR	100.0	79.3	84.4
20 UNIT AVAILABILITY FACTOR	100.0	79.3	84.4
21 UNIT CAPACITY FACTOR (USING MDC NET)	102.1	76.4	82.2
22 UNIT CAPACITY FACTOR (USING DER NET)	97.5	73.0	78.7
23 UNIT FORCED OUTAGE RATE	0.0	0.9	2.3

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH) - NA

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