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 AUTH.NAME AUTHOR AFFILIATION
 RUITER,G.H. Wisconsin Public Service Corp.
 EVERS,K.H. Wisconsin Public Service Corp.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1990 for Kewaunee Nuclear Power Plant.W/900910 ltr.

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Handwritten signature/initials

**WISCONSIN PUBLIC SERVICE CORPORATION**

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

September 10, 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 August 1990 are enclosed in accordance with Technical Specification 6.9.1(c).

Sincerely,

A handwritten signature in cursive script, appearing to read "K. H. Evers".

K. H. Evers
Manager - Nuclear Power

BAP/jms

Enc.

cc - US NRC - Region III
Mr. Patrick Castleman, US NRC
N 490, Highway 42, Kewaunee, WI 54216-9510
INPO Records Center, Suite 1500,
1100 Circle 75 Parkway,
Atlanta, GA 30339

Handwritten initials "JEA" with a vertical line through them.

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
AUGUST, 1990

OPERATIONS: Normal power operation continued through the month of August.

MAINTENANCE: Electrical Maintenance continued support of the Security Equipment changeout and startup and ordered all replacement, recondition, and EQ parts for the 1991 outage MOV work. The major emphasis in August for the Electrical Maintenance group was training, i.e., GET, Electrical Continuing Training and Task Analysis.

Mechanical Maintenance completed the annual inspection and overhaul of the D and E Air Compressors, performed Surveillance Procedures on the Aux Building Vent System heat detectors, performed the annual inspection of the Heating Boiler and its associated systems, completed the annual inspection of the Plant fire extinguishers and inspected the hydropneumatic tank and associated valves to solve a problem with air buildup in the tank.

The Instrumentation and Control group replaced an incore flux detector, repaired the boric acid flow transmitter, replaced the Containment Vent radiation detector, R-21, found and repaired a bad connection on a NI drawer test switch, and performed annual calibrations on the radiation monitoring system. One channel remains out of service at the end of the report period pending troubleshooting.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305
UNIT- KEWAUNEE
COMPLETED BY- G. H. RUITER
TELEPHONE- 414-388-2560 2225

REPORT MONTH AUGUST, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	518
2	514
3	518
4	522
5	518
6	518
7	518
8	514
9	514
10	518
11	518
12	518
13	518
14	514
15	514
16	518
17	522
18	518
19	522
20	518
21	522
22	514
23	518
24	518
25	518
26	518
27	518
28	518
29	514
30	514
31	522

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: September 4, 1990
 COMPLETED BY: G. H. Ruiter
 TELEPHONE: 414-388-2560 x2225

REPORT MONTH - AUGUST, 1990

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

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 2225

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

1 UNIT NAME KEWAUNEE		*****	
		*	*
2 REPORTING PERIOD AUGUST, 1990		* NOTES	*
		*	*
3 LICENSED THERMAL POWER (MWT) 1650		* Normal power operation continued	*
		* through this reporting period.	*
4 NAMEPLATE RATING (GROSS MWE) 560		*	*
		*	*
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	744	5831	142105
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4771.5	121425.6
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	4740.1	119695.6
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1224227	7571438	189063636
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	405800	2512100	62539900
18 NET ELECTRICAL ENERGY GENERATED (MWH)	384992	2385251	59546399
19 UNIT SERVICE FACTOR	100.0	81.3	84.2
20 UNIT AVAILABILITY FACTOR	100.0	81.3	84.2
21 UNIT CAPACITY FACTOR (USING MDC NET)	102.9	81.3	81.6
22 UNIT CAPACITY FACTOR (USING DER NET)	96.7	76.5	78.3
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.5

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)
 None

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