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 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jul 1991 for Kewaunee Nuclear  
 Power Plant.W/910812 ltr.

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**WISCONSIN PUBLIC SERVICE CORPORATION**

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August 12, 1991

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 July 1991 are enclosed in accordance with Technical Specification 6.9.1(c).

Sincerely,

K. H. Evers  
Manager - Nuclear Power

BAP/jms

Enc.

cc - US NRC - Region III

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9108150179 910731  
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KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE  
JULY, 1991

OPERATIONS: Normal power operation continued through this reporting period.

MAINTENANCE: The Instrument and Control Group recalibrated steam flow transmitters to investigate any drift or shift in the calibrated output values of the transmitters from the calibration performed during the refueling outage and the conditions in containment during 100% operation. Accumulator B level transmitters were recalibrated and work requests on radiation monitoring channels R-19 and R-21 were completed.

Mechanical and Electrical maintenance activities included installing equipment to support testing of secondary plant steam cycle performance, supporting eddy current inspection of spare control rods, repairing a demineralized water makeup valve associated with the Chemical and Volume Control System, obtaining an oil sample from a Reactor Coolant Pump following erratic indication of upper thrust bearing temperature, replacing a failed radiation air particulate monitor pump, and installing a temporary modification to provide capability for manual operation of the Service Water valve supplying Component Cooling Heat Exchanger A.

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- G. H. RUITER  
TELEPHONE- 414-388-2560 X2225

REPORT MONTH        JULY, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	522
2	518
3	522
4	518
5	510
6	518
7	518
8	518
9	518
10	518
11	518
12	510
13	514
14	514
15	514
16	509
17	514
18	518
19	518
20	518
21	518
22	518
23	518
24	518
25	514
26	514
27	514
28	510
29	514
30	510
31	514

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
UNIT NAME: Kewaunee  
DATE: August 1, 1991  
COMPLETED BY: G. H. Ruiter  
TELEPHONE: 414-388-2560 x2225

**REPORT MONTH - JULY, 1991**

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

**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- G. H. RUITER  
TELEPHONE- 414-388-2560 X2225

## O P E R A T I N G   S T A T U S

1 UNIT NAME	KEWAUNEE	*****	
2 REPORTING PERIOD	JULY, 1991	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* Normal power operation continued through	*
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  
Updated MDC net and gross capacity ratings to reflect design changes made to  
steam cycle components.

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	5087	150121
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	3644.6	127999.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	3601.9	126226.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MMH)	1210778	5691383	199554009
17 GROSS ELECTRICAL ENERGY GENERATED (MMH)	404400	1897300	66031600
18 NET ELECTRICAL ENERGY GENERATED (MMH)	383612	1801132	62863117
19 UNIT SERVICE FACTOR	100.0	70.8	84.1
20 UNIT AVAILABILITY FACTOR	100.0	70.8	84.1
21 UNIT CAPACITY FACTOR (USING MDC NET)	100.9	70.2	81.6
22 UNIT CAPACITY FACTOR (USING DER NET)	96.4	66.2	78.3
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.4

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)  
N/A

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