



NRC-00-061

**Wisconsin Public Service Corporation**

(a subsidiary of WPS Resources Corporation)

Kewaunee Nuclear Power Plant

North 490, Highway 42

Kewaunee, WI 54216-9511

920-388-2560

August 10, 2000

10 CFR 50.36

U. S. Nuclear Regulatory Commission  
Attention: 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 July 2000 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark L. Marchi".

for  
Mark L. Marchi  
Vice President-Nuclear

MLA

Enc.

cc - US NRC - Region III  
NRC Senior Resident Inspector  
INPO Records Center  
PSCW - Sharon Henning

1001

**KEWAUNEE NUCLEAR POWER PLANT - DOCKET 50-305  
SUMMARY OF OPERATING EXPERIENCE**

**July, 2000**

The unit continues to run at 94% power, steady state operation.

**Instrument and Control Group Activities for the Month:**

- Rebuilt current to pneumatic converter on the feedwater system.
- Repaired a Foxboro resistance converter for primary temperature.
- Performed troubleshooting on the ROST system.
- Repaired the paper transport on radiation monitor R-11.
- Performed numerous repairs to meteorological system due to weather related failures.

**Maintenance Group Activities for the Month:**

**Electrical Maintenance**

Performed PM's on the following equipment:

- Reactor trip breakers
- Quarterly battery test on Battery E
- Safety related 4160V Buses 5 & 6
- Both emergency diesel generator sequencer tests
  
- Performed a design change on service water valves SW 1306 A&B.
- Working on a design change associated with component cooling heat exchanger service water bypass valves.
- Performed inspection of valve BT-2B.
- Performed SP on Train A&B auto inhibit relays.

**Mechanical Maintenance**

Mechanical Maintenance did not perform any major safety-related work in July.

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- 920-388-8453

REPORT MONTH            JULY, 2000

DAY                      AVERAGE DAILY  
                            POWER LEVEL  
                            (MWE-NET)

1	494
2	490
3	494
4	490
5	494
6	490
7	494
8	490
9	490
10	490
11	490
12	486
13	490
14	490
15	486
16	486
17	486
18	490
19	486
20	490
21	486
22	486
23	486
24	486
25	486
26	490
27	490
28	494
29	486
30	490
31	486

**DOCKET NO:** 50-305  
**UNIT NAME:** Kewaunee  
**DATE:** August 10, 2000  
**COMP BY:** Mary L. Anderson  
**TELEPHONE:** 920-388-8453

**UNIT SHUTDOWNS AND POWER REDUCTIONS**  
**REPORT MONTH - JULY 2000**

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

**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- M. L. ANDERSON  
TELEPHONE- 920-388-8453

## O P E R A T I N G   S T A T U S

1 UNIT NAME    KEWAUNEE		*****	
2 REPORTING PERIOD        JULY, 2000		* NOTES	*
3 LICENSED THERMAL POWER (MWT)            1650		* 94% Rx Power, Steady State Operation	*
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	5111	229033
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4130.4	194212.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	4088.4	192094.8
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1156171	6279163	303943057
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	383700	2088200	100776200
18 NET ELECTRICAL ENERGY GENERATED (MWH)	363811	1984728	95896574
19 UNIT SERVICE FACTOR	100.0	80.0	83.9
20 UNIT AVAILABILITY FACTOR	100.0	80.0	83.9
21 UNIT CAPACITY FACTOR (USING MDC NET)	95.7	76.0	81.7
22 UNIT CAPACITY FACTOR (USING DER NET)	91.4	72.6	78.3
23 UNIT FORCED OUTAGE RATE	0.0	0.7	1.7

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