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SUBJECT: Monthly operating rept for July 1999 for Kewaunee, NPP. With
990810 ltr.

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NRC-99-060

Wisconsin Public Service Corporation

(a subsidiary of WPS Resources Corporation)

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August 10, 1999

10 CFR 50.36

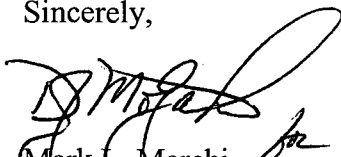
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Attention: Document Control Desk
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Ladies/Gentlemen:

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 1999 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,



Mark L. Marchi
Vice President-Nuclear

MLA

Enc.

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

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

July, 1999

The unit continues to operate at 97% steady state power operation.

Instrument and Control Group Activities for the Month:

Performed calibration of Power Range Isolation Amplifiers to eliminate spurious deviation alarms between channels.

Repaired/calibrated four Foxboro H-Line Control Boxes.

Maintenance Group Activities for the Month:

Electrical Maintenance

Tested Bus 1 and 2 UV and UF and Bus 5 and 6 UV relays.

Performed maintenance on PZR backup heaters.

Troubleshoot and repair of B SBV motor starter heater.

Replace breaker for ICS-6B/MV3206.

Mechanical Maintenance

Completed vibration monitoring on numerous components including safety injection pumps, service water pumps, containment fan coils, containment dome fans, reactor coolant pumps, and the rod drive MG sets. All were found to be operating acceptably.

Supported monthly diesel testing including day tank fuel oil sampling.

Completed performance monitoring on numerous fan coil units including RHR pits, AFW Pump A, and Auxiliary Building fan floor units.

Worked with NUCCON and E&TS to complete filter testing SPs on Spent Fuel Pool, Zone SV and Control Room post accident recirculation HEPA and charcoal filters. Addressed an air flow issue found during testing on SFP filter A associated with a damper position.

Replaced outboard bearing, bearing housing and water seal on B CC Pump to address oil leakage from oil seal. Also, adjusted oil level and replaced pipe fitting on oiler at outboard end.

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, 1999

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	507
2	507
3	503
4	507
5	507
6	507
7	507
8	507
9	507
10	507
11	507
12	511
13	503
14	507
15	507
16	507
17	503
18	507
19	507
20	507
21	503
22	503
23	502
24	507
25	498
26	503
27	503
28	502
29	503
30	503
31	507

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: August 10, 1999
 COMP BY: Mary L. Anderson
 TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - JULY 1999

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, 1999	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* 97% 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	5087	220249
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	5087.0	186408.8
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	5087.0	184333.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1191624	8097629	291780359
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	395600	2699500	96735900
18 NET ELECTRICAL ENERGY GENERATED (MWH)	375867	2568962	92056145
19 UNIT SERVICE FACTOR	100.0	100.0	83.7
20 UNIT AVAILABILITY FACTOR	100.0	100.0	83.7
21 UNIT CAPACITY FACTOR (USING MDC NET)	98.9	98.8	81.6
22 UNIT CAPACITY FACTOR (USING DER NET)	94.4	94.4	78.1
23 UNIT FORCED OUTAGE RATE	0.0	0.0	1.8

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