



NRC-00-038

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

May 11, 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 April 2000 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 Henning

JE24

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

April, 2000

On Friday, April 21, at 2352, G-1 was opened initiating the 2000 Refueling/Maintenance Outage. Estimated startup date is May 28, 2000.

Instrument and Control Group Activities for the Month:

I&C supported the refueling outage and performed the following additional maintenance activities:

- Replaced SOV on service water supply valve to fan coil unit.
- Supported plant performance monitoring activities by performing flow measurements on the service water system.
- Replaced air pressure regulator on boric acid evaporator pressure transmitter.
- Replaced the end caps on several Raychem EQ splice terminations.
- Rebuilt two spare actuators for shield building ventilation system.

Maintenance Group Activities for the Month:

Electrical Maintenance

- Monthly safeguards battery surveillance.
- Bus 1-5 and Bus 1-6 monthly undervoltage relay surveillance testing.
- Bus 1-1 and Bus 1-2 monthly undervoltage and underfrequency relay surveillance testing.
- Preventative maintenance and diagnostic testing on various safety related MOV's.

Mechanical Maintenance

- Completed preventive maintenance on control room air conditioning units.

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 APRIL, 2000

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

1	505
2	506
3	504
4	504
5	508
6	504
7	504
8	508
9	504
10	508
11	504
12	508
13	504
14	504
15	500
16	508
17	504
18	504
19	504
20	504
21	389
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0

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

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - APRIL 2000

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
1	04/21/00	S	215.88	C	1	N/A	ZZ	ZZZZZZ	Commenced Cycle XXIII-XXIV Refueling Outage

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	APRIL, 2000	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* Unit was shut down on April 21 to start	*
4 NAMEPLATE RATING (GROSS MWE)	560	* refueling outage	*
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	719	2903	226825
12 NUMBER OF HOURS REACTOR WAS CRITICAL	503.1	2687.1	192768.9
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	502.9	2686.9	190693.2
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	796780	4290284	301954178
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	263800	1427600	100115600
18 NET ELECTRICAL ENERGY GENERATED (MWH)	251336	1360574	95272420
19 UNIT SERVICE FACTOR	69.9	92.6	84.1
20 UNIT AVAILABILITY FACTOR	69.9	92.6	84.1
21 UNIT CAPACITY FACTOR (USING MDC NET)	68.4	91.7	82.0
22 UNIT CAPACITY FACTOR (USING DER NET)	65.3	87.6	78.5
23 UNIT FORCED OUTAGE RATE	0.0	0.0	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 - 5/28/2000