



Kewaunee Nuclear Power Plant
N490, State Highway 42
Kewaunee, WI 54216-9511
920-388-2560



Operated by
Nuclear Management Company, LLC

October 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 September 2000 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

^{H.A.}
Kenneth H. Weinbauer
Assistant Site Vice President

MLA

Enc.

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

IE24

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

September 2000

On September 9, at 0006, with the unit at 96% reactor power (517 MWe), a load decrease to 385 MWe was initiated to perform SP54-086, turbine stop valve test. Following the successful completion of SP54-086, a load increase was initiated on September 9, at 0320. The unit returned to full power, 96% (515 MWe), on September 9, at 0641.

The unit continues to run at 96% power, steady state operation.

Instrument and Control Group Activities for the Month:

- Replaced the makeup water SOV for the pressurizer relief tank due to EQ end of life.
- Repaired a rod bottom bistable circuit assembly.
- Changed the temperature controls on A, B, and C air compressor to lower the outlet water temperature from 110 to 100 degrees to improve operation.
- Repaired an individual rod position indicator circuit for rod D10.
- Replaced a temperature switch on C air compressor.
- Replaced square root converter for CVC flow loop.

Maintenance Group Activities for the Month:

Electrical Maintenance

Performed PM's on the following equipment:

- SP's on safeguards batteries
- A&B emergency diesel generator sequencer test
- Buses 1, 2, 5 & 6
- Reactor trip breakers
- 1B1 service water breaker and motor

Mechanical Maintenance

- Completed corrective maintenance to repair charging pump 1B seal leak.
- Performed corrective maintenance on auxiliary building fan floor fan coil Unit 1A to address inadequate heat removal capacity.

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 SEPTEMBER 2000

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

1	490
2	490
3	490
4	494
5	490
6	494
7	490
8	490
9	469
10	494
11	498
12	499
13	498
14	503
15	498
16	503
17	498
18	498
19	498
20	499
21	503
22	499
23	503
24	499
25	502
26	499
27	503
28	499
29	503
30	499

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: October 11, 2000
COMP BY: Mary L. Anderson
TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - SEPTEMBER 2000

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

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	SEPTEMBER, 2000	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* 96% 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	720	6575	230497
12 NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	5594.4	195676.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	720.0	5552.4	193558.8
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MMWH)	1137281	8579869	306243763
17 GROSS ELECTRICAL ENERGY GENERATED (MMWH)	376500	2846900	101534900
18 NET ELECTRICAL ENERGY GENERATED (MMWH)	357383	2704422	96616268
19 UNIT SERVICE FACTOR	100.0	84.4	84.0
20 UNIT AVAILABILITY FACTOR	100.0	84.4	84.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	97.1	80.5	81.8
22 UNIT CAPACITY FACTOR (USING DER NET)	92.8	76.9	78.3
23 UNIT FORCED OUTAGE RATE	0.0	0.5	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