



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



Operated by  
Nuclear Management Company, LLC

December 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 November 2000 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

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**

**November, 2000**

A load reduction was initiated on Saturday, November 18, at 0100, to ensure Transformer Bank 10 would not be overloaded during a planned outage on Line 151 from the Point Beach Substation. This overload condition would occur if Kewaunee were at full power, and the Kewaunee Substation contingency line R-304 tripped with L-151 out of service. Load decrease was stopped at 0500 at approximately 73% Rx power, 402 MWe.

On Monday, November 20, at 1040, load was reduced to 71% Rx power, 388 MWe, to perform SP54-086, Turbine Stop and Governor Valve Operability Test. Upon completion of SP54-086, load was increased to 74% Rx power, 405 MWe and remained there during Line 151 maintenance.

On Wednesday, November 22, at 1720, a load increase was initiated following completion of maintenance on Line 151. Full power was reached at 2020; Rx Power 95%, 532 MWe.

On Saturday, November 25, at 1346, a load reduction was requested to 74% Rx power, 410 MWe due to a reported oil leak on an OCB on Line 151. Repairs to the OCB were completed at 2017. Load increase was initiated at 2100 with full power being reached on Sunday, November 26, at 0013.

The unit continues to run at 96% power, 529 MWe, steady state operation.

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

- Replaced SOV on Screenhouse roof inlet damper.
- Replaced bistable for SG Low Pressure PC-483B.
- Recalibrated amplifiers in Power Range Channel N44.
- Repaired a leaky fitting on SI Pump discharge transmitter.
- Repaired leaky fitting on DPI on seal water injection filter.
- Cleaned regulator for SW pump lube water.

**Maintenance Group Activities for the Month**

**Electrical Maintenance**

Performed PM's on the following equipment:

- Buses 1, 2, 5 & 6 UV/UF Tests
- Reactor Trip Breakers
- 1B1 Service Water Pump Motor
- Breakers for MAT to Bus 5 & 6
- Batteries C & D
- Breaker 1-602 & 1-510 Bus tie Breaker
- BRA/B 102
- Work Order for RBV 100 A/B Position Switches, and CI 608B

**Mechanical Maintenance**

- Completed performance monitoring on various safety related fan coil units.
- Completed corrective maintenance to repair charging pump 1C seal leak.

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   NOVEMBER, 2000

DAY                      AVERAGE DAILY  
                            POWER LEVEL  
                            (MWE-NET)

1	503
2	499
3	503
4	503
5	499
6	503
7	503
8	503
9	503
10	503
11	499
12	503
13	503
14	503
15	503
16	503
17	503
18	388
19	379
20	380
21	379
22	408
23	502
24	503
25	466
26	503
27	503
28	499
29	507
30	503

DOCKET NO: 50-305  
 UNIT NAME: Kewaunee  
 DATE: December 7, 2000  
 COMP BY: Mary L. Anderson  
 TELEPHONE: 920-388-8453

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

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
4	11-18-00	S	124.2	B	1	N/A	EA	CKTBRK	A load decrease to 73% Rx Power, 402 MWe, was required to ensure Transformer Bank 10 would not be overloaded during a planned outage on Line 151 from the Point Beach Substation.
5	11-20-00	S	1.58	B	1	N/A	ZZ	ZZZZZZ	Performance of SP54-086, Turbine Overspeed Trip Test

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM &amp; COMPONENT CODES</u>
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- M. L. ANDERSON  
 TELEPHONE- 920-388-8453

O P E R A T I N G   S T A T U S

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1 UNIT NAME      KEWAUNEE      *****
*
2 REPORTING PERIOD  NOVEMBER, 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     *****
    
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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	8040	231962
12 NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	7059.4	197141.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	720.0	7017.4	195023.8
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1091925	10849593	308513487
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	365700	3605800	102293800
18 NET ELECTRICAL ENERGY GENERATED (MWH)	346856	3424829	97336675
19 UNIT SERVICE FACTOR	100.0	87.3	84.1
20 UNIT AVAILABILITY FACTOR	100.0	87.3	84.1
21 UNIT CAPACITY FACTOR (USING MDC NET)	94.3	83.4	81.9
22 UNIT CAPACITY FACTOR (USING DER NET)	90.0	79.6	78.4
23 UNIT FORCED OUTAGE RATE	0.0	0.4	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