



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

Operated by  
Nuclear Management Company, LLC



April 9, 2001

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 March 2001 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

Kyle A. Hoops  
Manager-Kewaunee Plant

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**

**March 2001**

On March 3, at 0000, with the unit at 96.2% reactor power (528 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 March 3 at 0641. The unit returned to full power, 96.2% (527 MWe), on March 3 at 1000. The unit continues to run at 96% power, steady state operation.

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

I&C completed the following work orders for March:

- Repaired a leak in the valve manifold for CVC system D/P gauge
- Repaired tubing and fittings on the transmitter for AFW flow to B Steam Generator
- Repaired pH monitors
- Repaired auxiliary building vent stack flow sensor
- Repaired boric acid piping heat tracing temperature controllers
- Recalibrated IRPI modules

**Maintenance Group Activities for the Month**

**Electrical Maintenance**

Performed preventative maintenance on the following equipment:

- Buses 5 & 5 UV Tests
- A&B EDG sequencer
- A RHR motor oil change
- Monthly/quarterly battery test A/B/C&D batteries
- Thermography on ICS pump breakers
- SI-9B breaker
- Control room A/C 1A fan and compressor breakers
- 1A1 SW pump motor and breaker

Work Orders:

- RC-423 position indication
- MOV testing on SI-9B

**Mechanical Maintenance**

Performed preventative maintenance on the following equipment:

- Control Room Air Conditioning Unit A flushing
- Oil change on A CCW pump
- Heat detector testing on A&B trains of shield building vent and spent fuel pool cooling
- Vibration monitoring on ICS and RHR pumps and motors
- CO<sub>2</sub> System testing for emergency diesel generator rooms

Work Orders:

- SFP re-rack activities
- Charging pump B

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      MARCH, 2001

DAY                      AVERAGE DAILY  
                            POWER LEVEL  
                            (MWE-NET)

1	504
2	504
3	463
4	504
5	504
6	504
7	504
8	504
9	504
10	504
11	504
12	504
13	504
14	504
15	504
16	500
17	508
18	504
19	504
20	500
21	508
22	500
23	504
24	504
25	504
26	504
27	504
28	504
29	504
30	504
31	504

**DOCKET NO:** 50-305  
**UNIT NAME:** Kewaunee  
**DATE:** April 5, 2001  
**COMP BY:** Mary L. Anderson  
**TELEPHONE:** 920-388-8453

**UNIT SHUTDOWNS AND POWER REDUCTIONS**  
**REPORT MONTH – MARCH 2001**

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

**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

# OPERATING DATA REPORT

DOCKET NO- 50-305  
COMPLETED BY- M. L. ANDERSON  
TELEPHONE- 920-388-8453

## OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****	
2 REPORTING PERIOD	MARCH, 2001	* 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	744	2160	234866
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2160.0	200045.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	2160.0	197927.8
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1179343	3427379	313117377
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	392600	1141600	103829100
18 NET ELECTRICAL ENERGY GENERATED (MWH)	374078	1087774	98799554
19 UNIT SERVICE FACTOR	100.0	100.0	84.3
20 UNIT AVAILABILITY FACTOR	100.0	100.0	84.3
21 UNIT CAPACITY FACTOR (USING MDC NET)	98.4	98.6	82.1
22 UNIT CAPACITY FACTOR (USING DER NET)	94.0	94.1	78.6
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

Refueling/Steam Generator Replacement

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - N/A