



Kewaunee Nuclear Power Plant  
N490 Highway 42  
Kewaunee, WI 54216-9511  
920.388.2560

Point Beach Nuclear Plant  
6610 Nuclear Road  
Two Rivers, WI 54241  
920.755.2321

Kewaunee / Point Beach Nuclear  
Operated by Nuclear Management Company, LLC

NRC-02-023

March 14, 2002

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 February 2002 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

Thomas Coutu  
Manager-Kewaunee Plant

MLA

Enclosure

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**

**February 2002**

The unit continues to operate at 100%, steady state power.

**Maintenance Group Activities for the Month**

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

I&C completed the following work orders for February:

- Replaced the TD AFW Pump discharge pressure switch
- Rebuilt the SW regulator on 1B2 SW pump
- Replaced N32 circuit card to return N32 to service
- Moved SOV on Waste Gas analyzer for proper drain flow
- Replaced a u-bolt for instrument tubing tray on SW temperature gauge

**Electrical Maintenance**

Performed preventative maintenance and surveillance procedures on the following equipment:

- Buses 1 & 2 UV/UF Relays
- SP42-320A & B Auto Sequencer Relays
- Buses 5 & 6 UV Relays
- Station Batteries
- Substation Batteries
- Substation Inspection
- Misc's PM's on Motors & Starters

Work Orders:

- Demobilize SGR Facilities
- Repair of BAHT circuit 17
- Upgrade of QA Vault
- Various KAP CA for cable identification and lighting breaker replacements

**Mechanical Maintenance**

- Cleaned SW strainer for Aux Bldg A/C Compressor
- Flushed/Performed flow verification/ performance monitoring on Aux Bldg Basement Cooling Coil 1A&1B
- Inspected suction piping for presence of a strainer and changed oil on 1A Spent Fuel Pool Pump
- Trouble shooting and repair to 1B2 Traveling Water Screen
- Repair fuel oil leak on the 1A Emergency Diesel Generator
- Repaired SW-1200B, Residual Heat Pump Pit Fan Coil No. 1B
- PM's on A, B, & C Charging Pump Dampeners
- Changed 1B Spent Fuel Pool Pump Oil

The Following non-scheduled Safety Related items were worked by Mechanical Maintenance:

- Sump Tank Pump 1A, unclogging lines
- Replaced C Charging Pump Seals
- Replaced air sampler on the Green Bay Office Building roof
- Replaced Sample Pump R-22
- Replaced SW Chlorination Flush Valve

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                      FEBRUARY, 2002

DAY                                      AVERAGE DAILY  
    POWER LEVEL  
    (MWE-NET)

1	529
2	534
3	529
4	533
5	529
6	529
7	533
8	529
9	533
10	529
11	533
12	529
13	529
14	533
15	533
16	529
17	529
18	533
19	529
20	529
21	533
22	529
23	533
24	533
25	529
26	529
27	533
28	529

**DOCKET NO:** 50-305  
**UNIT NAME:** Kewaunee  
**DATE:** March 11, 2002  
**COMP BY:** Mary L. Anderson  
**TELEPHONE:** 920-388-8453

**UNIT SHUTDOWNS AND POWER REDUCTIONS**  
**REPORT MONTH – FEBRUARY 2002**

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

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM &amp; COMPONENT CODES</u>
F: FORCED	A-Equipment Failure (explain)	1-Manual	From NUREG-0161
S: SCHEDULED	B-Maintenance or Test	2-Manual Scram	
	C-Refueling	3-Automatic Scram	
	D-Regulatory Restriction	4-Continuations	
	E-Operator Training & License Examination	5-Load Reductions	
	F-Administrative	9-Other	
	G-Operational Error (explain)		
	H-Other (explain)		

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	FEBRUARY, 2002	*	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	*	* Unit continues to operate at 100% power	*
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	672	1416	242882
12 NUMBER OF HOURS REACTOR WAS CRITICAL	672.0	1416.0	206381.9
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	672.0	1416.0	204194.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1107933	2333371	322997854
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	373600	786400	107115300
18 NET ELECTRICAL ENERGY GENERATED (MWH)	356706	750815	101924312
19 UNIT SERVICE FACTOR	100.0	100.0	84.1
20 UNIT AVAILABILITY FACTOR	100.0	100.0	84.1
21 UNIT CAPACITY FACTOR (USING MDC NET)	103.9	103.8	81.9
22 UNIT CAPACITY FACTOR (USING DER NET)	99.2	99.1	78.4
23 UNIT FORCED OUTAGE RATE	0.0	0.0	1.6

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS

N/A

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