



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

December 11, 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 November 2001 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

Thomas Coutu  
Manager-Kewaunee Plant

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 2001**

Unit continues to be shut down for the 2001 Refueling/Maintenance/SGR Outage.  
On Thursday, 11/29/01 at 1403, the RCS reached Hot Shutdown conditions. Startup is scheduled for 12/03/01.

### **Maintenance Group Activities for the Month**

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

I&C completed the following work orders for November:

- Replaced the upper detector slow/fast switch on N43 Power Range Drawer
- Supported MOV dynamic testing for numerous motor valves
- Replaced the blue channel injection switch for TT-403A temperature loop
- Verified proper solder connections at NI Power Range drawers AC power switch/circuit breaker as a result of KAP
- Rebuilt the actuator for LD-3
- Installed new temperature loop resistors for protection loops to reflect predicted delta temperatures for new S/G's
- Verified operation of containment high range radiation detectors per functional test
- Verified proper installation/torque for 16 EQ conduit seals for primary RCS temperature elements
- Supported the disassembly of 10 service water valves associated with shroud cooling system, air circuit components and limit switches
- Repaired Swagelok fitting on Rx Coolant flow transmitter
- Supported testing and repair/removal of actuator for service water to EDG oil cooler, SW-301A
- Repaired terminal strip corrosion for EQ terminal box
- Completed testing and preventative maintenance on Pressurizer PORV "A"
- Replaced white channel impulse lag signal converter module due to incorrect dynamic response during testing
- Replaced the signal converter for delta temperature TM-406P found out of service during testing
- Repaired tubing on LT-462 and LT-463, steam generator "A" level transmitters

### **Electrical Maintenance**

Performed preventative maintenance on the following equipment:

- Buses 1 UV/UF Tests
- SP42-320A/B Auto Sequencer Relays
- Reactor Trip Breakers
- Reactor Coolant Pump A Motor

Work Orders:

- DCR 3048 – Control Room Air Conditioning 1A
- MOV Testing - ICS 2A & B
- RHR-400B
- ICS-5 & 6B
- SI-19B
- Reactor Coolant Pump B
- RC-422 Actuator
- Containment Fan Coil Unit's C & D
- SW-4 A/B Modifications

### **Mechanical Maintenance**

- Replaced Component Cooling Pump A
- Completed numerous outage related preventive maintenance tasks of safety related components, including snubber inspections and safety injection check valve inspections
- Completed repairs to reactor vessel shroud cooling service water valves

# AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH      NOVEMBER, 2001

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
-----	---

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
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:** December 11, 2001  
**COMP BY:** Mary L. Anderson  
**TELEPHONE:** 920-388-8453

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

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
4	11-01-01	S	720.0	C	4	N/A	ZZ	ZZZZZZ	Cycle XXIV-XXV Refueling Outage continued throughout the entire reporting period

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

**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    NOVEMBER, 2001	*    *
3 LICENSED THERMAL POWER (MWT)                      1650	*    NOTES                      *
4 NAMEPLATE RATING (GROSS MWE)                      560	*    Unit continues to be shut down                      *
5 DESIGN ELECTRICAL RATING (NET MWE)                      535	*    for Refueling/SGR Outage                      *
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	8016	240722
12 NUMBER OF HOURS REACTOR WAS CRITICAL	0.0	6356.9	204242.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	0.0	6347.0	202114.7
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	0	10023996	319713994
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	0	3322100	106009600
18 NET ELECTRICAL ENERGY GENERATED (MWH)	0	3158436	100870216
19 UNIT SERVICE FACTOR	0.0	79.2	84.0
20 UNIT AVAILABILITY FACTOR	0.0	79.2	84.0
21 UNIT CAPACITY FACTOR (USING MDC NET)	0.0	77.1	81.8
22 UNIT CAPACITY FACTOR (USING DER NET)	0.0	73.6	78.3
23 UNIT FORCED OUTAGE RATE	0.0	0.6	1.7

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS  
N/A

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - December, 2001