



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-02-030

April 11, 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 March 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**

March 2002

On Saturday, March 9, at 0702, with the unit at 100% reactor power, a load decrease was initiated to perform:

- SOP-AFW-05B-14, Auxiliary FW Pump A Casing Flush
- SP 05B-283A&B, Motor Driven AFW Pump A&B Full Flow Test-IST
- SP-05B-284, Turbine Driven AFW Pump Full Flow Test
- SP54-086, Turbine Stop Valve Test

Following the successful completion of these procedures, load increase was initiated at 1546.

At 1820, a Control Rod was identified outside of the required acceptable deviation prohibiting increasing power above 85%. At 1923, the Control Rod was within the acceptable range and load pickup resumed. At 2052, a Substation Major alarm was received when R-304 and 3451 tripped open. Load increase was stopped, the alarm was addressed, and TRANSCO notified. At 2102, TRANSCO re-closed R-304 and 3451. At 2125, plant load increase was re-initiated and completed at 2132, Reactor Power 98%.

On Sunday, March 10, at 0901, with Reactor Power at 99.9% (555 MWe), TRANSCO opened R-304. At 0935, per System Operating, a plant backdown to 380 MWe was initiated. At 1127, with Reactor Power at 68.2% (380 MWe), System Operating opened Q-303.

On Monday, March 11, at 0311, following repairs to a 345 KV line, R-304 was closed. At 0315, Q-303 was closed. At 0319, System Operating released the plant for power increase. At 0334 plant load increase was initiated. Full power (100%) was reached at 0905.

The plant continues to operate at 100% steady state operation.

Maintenance Group Activities for the Month

Instrument and Control Group Activities for the Month

I&C completed the following work orders for March:

- Replaced signal injection switches for Steam Exclusion testing
- Vented S/G Level Transmitters 24045 & 24013 to eliminate oscillations in level signal
- Supported RHR Heat Exchanger flow testing using ultrasonic flowmeters
- Supported troubleshooting and repair of Waste Gas Analyzer
- Replaced Solenoid Operated Valve on Emergency Diesel Generator air start system after it failed to isolate air after start of EDG for retest following mechanical adjustment of air/fuel mixture
- Replaced air regulator for ACA-20/CD-34051 for Control Rod Drive Room

Electrical Maintenance

Performed PM's/SP's 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 & 1-305 Supply Breaker
- Conductance Test Emergency Light Batteries
- C Charging Pump Motor
- Miscellaneous PM's on Motors & Starters

Work Orders:

- Demobilize Steam Generator Replacement Facilities
- Roll-Up Door 87
- Spare Battery Charger Hardware Replacement
- STP Blower Motor Replacement
- Eberline Ram 17 Battery

Mechanical Maintenance

- 1B2 Traveling Water Screen Repair (continuing)
- 1B Emergency Diesel Generator Fuel Rack adjustments on #9 and #20 cylinders
- 1B Emergency Diesel Generator Air Start Motor replacements
- Charging Pump Dampener monthly PMs
- RHR pump Quarterly Vibration Monitoring
- Commence rebuild of spare service water pump assembly

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, 2002

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	533
2	533
3	529
4	533
5	529
6	533
7	529
8	533
9	488
10	430
11	488
12	533
13	529
14	533
15	529
16	533
17	533
18	529
19	533
20	529
21	533
22	529
23	533
24	533
25	529
26	533
27	541
28	525
29	529
30	529
31	533

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: April 4, 2002
 COMP BY: Mary L. Anderson
 TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH - MARCH 2002

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
1	03/09/02	S	8.6	B	5	N/A	ZZ	ZZZZZZ	Performance of SP54-086, Turbine Overspeed Trip Test, and other reduced power procedures
2	03/10/02	F	17.74	B	5	N/A	EA	CKTBRK	Repairs on 345 KV line R-304
									Full power was reached on 03/11/02 at 0905. The unit continued to operate at 100% power throughout the remainder of the reporting period

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	MARCH, 2002	* *
3 LICENSED THERMAL POWER (MWT)	1650	* NOTES *
4 NAMEPLATE RATING (GROSS MWE)	560	* *
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* Unit continues to operate at 100% power *
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	243626
12 NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2160.0	207125.9
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	744.0	2160.0	204938.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1213191	3546562	324211045
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	409600	1196000	107524900
18 NET ELECTRICAL ENERGY GENERATED (MWH)	390893	1141708	102315205
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)	102.8	103.4	82.0
22 UNIT CAPACITY FACTOR (USING DER NET)	98.2	98.8	78.5
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