



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

Operated by  
Nuclear Management Company, LLC



October 8, 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 September 2001 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

Kyle A. Hoops  
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**

**September 2001**

On Sunday, September 23, 2001, at 23:52, G-1 was opened initiating the 2001 Refueling/Maintenance/SGR Outage. Estimated startup is early December.

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

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

I&C completed the following work orders for September:

- Performed flow testing on various service water lines to gather data.
- Vented Reactor Seal Water Flow Transmitters
- Worked on both MET towers to repair lightning damage
- Repaired numerous portable radiation detection instruments

### **Electrical Maintenance**

Performed preventative maintenance on the following equipment:

- Buses 5 & 6 Under Voltage Tests
- Bus 1 Under Voltage/Under Frequency Tests
- Battery Test on A/B/C/D Batteries
- Auxiliary Building Basement FCU 1A Motor Starter

Work Orders:

- ICS-2B and ICS-6B Diagnostic Testing
- BT-2B Rebuild
- Electrically disconnected C&D Containment Fan Coil Unit's for removal from Containment

### **Mechanical Maintenance**

- Completed performance monitoring on several safety related fan coil units.
- Completed monthly preventive maintenance on diesel generators and charging pumps.

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    SEPTEMBER, 2001

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
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1	494
2	494
3	498
4	494
5	494
6	494
7	498
8	498
9	498
10	498
11	498
12	498
13	498
14	499
15	499
16	503
17	490
18	494
19	495
20	494
21	490
22	494
23	376
24	0
25	0
26	0
27	0
28	0
29	0
30	0

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

**UNIT SHUTDOWNS AND POWER REDUCTIONS**  
**REPORT MONTH - SEPTEMBER 2001**

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
4	09/23/01	S	168.13	C	1	N/A	ZZ	ZZZZZZ	Commenced Cycle XXIV-XXV Refueling Outage

**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

## OPERATING STATUS

1 UNIT NAME KEWAUNEE	*****
2 REPORTING PERIOD SEPTEMBER, 2001	* NOTES *
3 LICENSED THERMAL POWER (MWT) 1650	* Unit was shut down on 09/23/01 *
4 NAMEPLATE RATING (GROSS MWE) 560	* for Refueling/SGR Outage *
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	720	6551	239257
12 NUMBER OF HOURS REACTOR WAS CRITICAL	552.2	6356.9	204242.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	551.9	6347.0	202114.7
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	865416	10023996	319713994
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	285600	3322100	106009600
18 NET ELECTRICAL ENERGY GENERATED (MWH)	271027	3158436	100870216
19 UNIT SERVICE FACTOR	76.6	96.9	84.5
20 UNIT AVAILABILITY FACTOR	76.6	96.9	84.5
21 UNIT CAPACITY FACTOR (USING MDC NET)	73.7	94.4	82.3
22 UNIT CAPACITY FACTOR (USING DER NET)	70.4	90.1	78.8
23 UNIT FORCED OUTAGE RATE	0.0	0.6	1.7

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS

Refueling/Steam Generator Replacement

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