

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-305 Kewaunee Nuclear Power Plant, Wisconsin Public Service      05000305  
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 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for June 1989 for Kewaunee Nuclear Power Station. W/890710 ltr.

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**WISCONSIN PUBLIC SERVICE CORPORATION**

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July 10, 1989

10 CFR 50.36

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
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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 June 1989 are enclosed in accordance with Technical Specification 6.9.1(c).

Very truly yours,

C. R. Steinhardt  
Manager - Nuclear Power

WRC/jms

Enc.

cc - US NRC - Region III  
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KEWAUNEE NUCLEAR POWER PLANT  
SUMMARY OF OPERATING EXPERIENCE

June, 1989

**OPERATIONS:** Unit load was reduced to 388 MWE gross on June 10, 1989, for performance of the monthly Turbine stop and control valve operability test and was then reduced to 125 MWE gross in order to reduce pump vault radiation levels and permit access for repair of a packing leak on a RTD loop bypass isolation valve.

On June 17, 1989, the unit was taken to cold shutdown to permit the repair of a RXCP seal that was showing signs of degraded performance. The unit was returned to operation on June 22.

**MAINTENANCE:** June maintenance activity was routine except for a short backdown to repair a RTD bypass line isolation valve packing leak and a shutdown to replace "O"-rings in a Reactor Coolant Pump seal package.

Plant Mechanics also started work on refurbishment of the Circulating Water Traveling Water Screens, rebuilt a Charging Pump Vari-drive unit, replaced a Boric Acid Transfer Pump mechanical seal and took advantage of the short outage to repack several valves in Containment.

Plant Electricians performed considerable work on the Boric Acid Heat Trace System, changed out a Reactor Gap and Neutron Detector Cooling Fan motor and supported the Reactor Coolant Pump seal repair outage.

Plant Instrument and Control repaired failed Feedwater Controller, performed annual Radiation Monitor System calibrations and supported the Reactor Coolant Pump seal repair outage.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305  
UNIT- KEWAUNEE  
COMPLETED BY- G. H. RUITER  
TELEPHONE- 414-388-2560 X225

REPORT MONTH JUNE, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	524
2	524
3	524
4	524
5	524
6	524
7	520
8	524
9	524
10	475
11	417
12	524
13	520
14	524
15	524
16	520
17	61
18	0
19	0
20	0
21	0
22	39
23	173
24	295
25	516
26	524
27	520
28	524
29	520
30	520

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
 UNIT NAME: Kewaunee  
 DATE: June 7, 1989  
 COMPLETED BY: G. H. Ruiter  
 TELEPHONE: 414-388-2560 x225

REPORT MONTH - JUNE, 1989

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
4	6/10/89	F	0.0	B	5	NA	CB	VALVEX	4. A load reduction was taken to lower Containment pump vault radiation levels in order to permit access to the pump vault to correct a packing leak on a RTD loop bypass isolation valve.
5	6/17/89	S	130.2	B	1	NA	CB	PUMPXX	5. The unit was taken to Cold Shutdown for replacement of a Reactor Coolant Pump number one seal that was experiencing a degradation of seal return flow.

**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- G. H. RUITER  
 TELEPHONE- 414-388-2560 X225

OPERATING STATUS

1 UNIT NAME	KEWAUNEE	*****
2 REPORTING PERIOD	JUNE, 1989	* NOTES
3 LICENSED THERMAL POWER (MWT)	1650	* Normal power operation continued through
4 NAMEPLATE RATING (GROSS MWE)	560	* the reporting period with the
5 DESIGN ELECTRICAL RATING (NET MWE)	535	* exception of a short outage to repair a
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	529	* RXCP seal.
7 MAXIMUM DEPENDABLE CAPACITY (NET MWE)	503	*****

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	4343	131857
12 NUMBER OF HOURS REACTOR WAS CRITICAL	596.9	3032.8	112250.7
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	589.8	2990.5	110554.1
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	902394	4621324	174279442
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	300700	1544100	57637700
18 NET ELECTRICAL ENERGY GENERATED (MWH)	285849	1470885	54890222
19 UNIT SERVICE FACTOR	81.9	68.9	83.9
20 UNIT AVAILABILITY FACTOR	81.9	68.9	83.8
21 UNIT CAPACITY FACTOR (USING MDC NET)	78.9	67.3	80.9
22 UNIT CAPACITY FACTOR (USING DER NET)	74.2	63.3	77.8
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.7

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)  
 None

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