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SUBJECT: Monthly operating rept for June 1997 for Kewaunee Nuclear Power Plant.W/970708 ltr.

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WISCONSIN PUBLIC SERVICE CORPORATION

NRC-97-70

600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

July 8, 1997

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 June 1997 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

M. L. Marchi
Manager-Nuclear Business Group

MLA

Enc.

cc - US NRC - Region III
NRC Senior Resident Inspector
INPO Records Center

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**KEWAUNEE NUCLEAR POWER PLANT - DOCKET 50-305
SUMMARY OF OPERATING EXPERIENCE**

June, 1997

Cycle XXI-XXII Refueling Outage continued until June 12. G-1 was closed on June 12, 1997 at 1737. Full power (94%) was reached on June 29, 1997 at 2055. The unit continues to operate at 94% power, steady state operation.

The Instrument and Control Group continued its support of the 1996/1997 refueling outage with the following highlights:

- **Supported Engineering evaluation of Safeguards Fan Coil Units Service Water flow.**
- **Replaced Radiation Monitoring drawer Key Switches on six channels due to repeated failures.**
- **Completed rebuild of Main Feedwater Control valves.**

Maintenance group continued to support the 1996/1997 Refueling Outage with the following highlights:

Mechanical

Due to the completion of an extended outage, many work requests were closed out during the month of June. These activities included: letdown heat exchanger repair, turbine driven auxiliary feedwater pump turbine rebuild/inspection and governor valve stem replacement, main steam safety valve repair, component cooling water pump A rebuild, installation of new flow orifices for service water to the containment fan coil units, and reactor head vent solenoid valve repair.

Electrical

Electrical activities closed during June included: diagnostic testing of motor operated valves, replaced thermal overload heaters in various motors, and installed various new relays to meet US A-46 and IPEEE Relay analysis project.

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- 414-388-8453

REPORT MONTH JUNE, 1997

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	62
13	168
14	173
15	173
16	177
17	177
18	177
19	323
20	360
21	401
22	434
23	470
24	471
25	471
26	467
27	467
28	471
29	471
30	496

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: July 8, 1997
 COMP BY: Mary L. Anderson
 TELEPHONE: 414-388-8453

**UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH - JUNE, 1997**

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
3	6/1/97	S	270.87	C	4	N/A	ZZ	ZZZZZZ	Cycle XXI-XXII Refueling Outage continued until June 12. G-1 was closed on June 12, 1997 at 1737. Full power (94%) was reached on June 29, 1997 at 2055. The unit continues to operate at 94% power, steady state operation.

TYPE	REASON	METHOD	SYSTEM & COMPONENT CODES
F: FORCED S: SCHEDULED	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)	1-Manual 2-Manual Scram 3-Automatic Scram 4-Continuations 5-Load Reductions 9-Other	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- 414-388-8453

O P E R A T I N G S T A T U S

1 UNIT NAME KEWAUNEE		*****	
		*	*
2 REPORTING PERIOD JUNE, 1997		* NOTES	*
		*	*
3 LICENSED THERMAL POWER (MWT) 1650		* Unit returned to service 06-12-97	*
		*	*
4 NAMEPLATE RATING (GROSS MWE) 560		* at 1737. Full power reached 06-29-97	*
		*	*
5 DESIGN ELECTRICAL RATING (NET MWE) 535		* at 2055. Unit is at 93.5% power,	*
		*	*
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE) 537		* steady state operation.	*
		*	*
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	4343	201985
12 NUMBER OF HOURS REACTOR WAS CRITICAL	489.7	489.7	169262.1
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	449.1	449.1	167243.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	497526	497526	264902884
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	163900	163900	87814500
18 NET ELECTRICAL ENERGY GENERATED (MWH)	153796	153796	83571796
19 UNIT SERVICE FACTOR	62.4	10.3	82.8
20 UNIT AVAILABILITY FACTOR	62.4	10.3	82.8
21 UNIT CAPACITY FACTOR (USING MDC NET)	41.8	6.9	80.7
22 UNIT CAPACITY FACTOR (USING DER NET)	39.9	6.6	77.3
23 UNIT FORCED OUTAGE RATE	0.0	0.0	1.9

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