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ANDERSON, M.L. Wisconsin Public Service Corp.
SCHROCK, C.A. Wisconsin Public Service Corp.
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SUBJECT: Monthly operating rept for Apr 1993 for KNPP.W/930510 ltr.W/
930510 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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May 10, 1993

10 CFR 50.36

U. S. Nuclear Regulatory Commission
ATTN: 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 April 1993 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

C. A. Schrock
Manager-Nuclear Engineering

BAP/jms

Enc.

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

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**KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE**

April, 1993

The unit was returned to power operation on April 16, 1993 ending the Cycle XVIII-Cycle XIX refueling outage.

Maintenance activities for the month of April consisted of completion of inspections and the closure of systems to complete the scheduled 42 day 1993 refueling outage.

Work included reassembly of the reactor vessel following fuel movement activities, inspection and testing of various Motor Operated Valves, testing of the new motor installed on the B Reactor Coolant Pump, inspection of various check valves, inspection and testing of electrical breakers, and replacement of the steam inlet valve and control governor on the Turbine Driven Auxiliary Feedwater Pump for design improvements.

I&C activities were primarily in support of the outage. Numerous control system realignments were performed and various EQ components were replaced due to reaching their end of qualified life. We replaced 125 Engineered Safety Features System trip relays during the outage; also we replaced or cleaned several of the test push buttons on the ESF cabinet doors. The system was retested and verified with surveillance procedures.

I&C performed diagnostics and replaced the positioners on the Main Feedwater Regulating valves. Several control valves were rebuilt following valve diagnostic testing; this testing appears to have prevented many premature failures.

I&C assisted Westinghouse with narrow range reactor coolant RTD cross calibrations.

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- 414-388-2560 X2453

REPORT MONTH APRIL, 1993

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	38
17	156
18	160
19	160
20	164
21	160
22	246
23	392
24	405
25	450
26	483
27	524
28	524
29	528
30	524

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: May 7, 1993
 COMP BY: Mary L. Anderson
 TELEPHONE: 414-388-2560 x2453

UNIT SHUTDDWNS AND PDWER REDUCTIONS
REPORT MONTH - APRIL, 1993

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
4	04-01-93	S	364.32	C	4	N/A	ZZ	ZZZZZZ	The Cycle XVIII-XIX Refueling outage continued until April 16, 1993.
5	04-16-93	S	6.22	B	1	N/A	ZZ	ZZZZZZ	A short outage was taken to perform the Turbine Overspeed Trip Test.

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- 414-388-2560 X2453

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

1 UNIT NAME	KEWAUNEE	*****	
2 REPORTING PERIOD	APRIL, 1993	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* G-1 was closed on 04-16-93 at 2131	*
4 NAMEPLATE RATING (GROSS MWE)	560	* starting Operating Cycle XIX.	*
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	719	2879	165457
12 NUMBER OF HOURS REACTOR WAS CRITICAL	397.7	1896.2	141282.8
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	348.5	1843.4	139400.6
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	381383	2760095	220682833
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	125900	918100	73064100
18 NET ELECTRICAL ENERGY GENERATED (MWH)	117958	871966	69547005
19 UNIT SERVICE FACTOR	48.5	64.0	84.3
20 UNIT AVAILABILITY FACTOR	48.5	64.0	84.3
21 UNIT CAPACITY FACTOR (USING MDC NET)	32.1	59.3	82.0
22 UNIT CAPACITY FACTOR (USING DER NET)	30.7	56.6	78.6
23 UNIT FORCED OUTAGE RATE	0.0	2.2	2.3

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH) - NA

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