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 EVERS,K.H. Wisconsin Public Service Corp.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating ~~rep~~ for Apr 1990 for Kewaunee Nuclear
 Power Plant.W/900510 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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Monthly Report
See



WISCONSIN PUBLIC SERVICE CORPORATION

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May 10, 1990

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 April 1990 are enclosed in accordance with Technical Specification 6.9.1(c).

Sincerely,

K. H. Evers
Manager - Nuclear Power

BAP/jms

Enc.

cc - US NRC - Region III
Mr. Patrick Castleman, US NRC
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KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
APRIL, 1990

OPERATIONS: The Cycle XV-XVI refueling outage was concluded on April 17, 1990.

MAINTENANCE: April was an extremely active month with the conclusion of the 1990 refueling outage and return to power on April 17, 1990.

I & C performed numerous refueling mode instrument calibrations, various air operated valve and solenoid valve maintenance and supported performance of the Containment Integrated Leak Rate Test.

Plant Electricians continued performance of many refueling mode PMs on Limitorque valve actuators, various breakers and motors. Most significant was the replacement of the safeguards batteries and general upgrade of the whole plant DC system.

Plant Mechanics supported many routine refueling activities and in addition initiated the check valve reliability inspection program including 410 stainless steel part removal, Steam Generator bolt replacement with studs and a Diesel Generator engine power pack O-ring replacement.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH APRIL, 1990

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	0
17	40
18	151
19	172
20	172
21	172
22	173
23	294
24	380
25	405
26	479
27	503
28	499
29	499
30	499

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
UNIT NAME: Kewaunee
DATE: May 1, 1990
COMPLETED BY: G. H. Ruiter
TELEPHONE: 414-388-2560 x2225

REPORT MONTH - APRIL, 1990

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
1	4/01/90	S	393.2	C	4	NA	ZZ	ZZZZZZ	1. The Cycle XV-XVI refueling outage continued until April 17, 1990.
2	4/17/90	S	1.3	B	1	NA	ZZ	ZZZZZZ	2. 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

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	APRIL, 1990	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* The Cycle XV-XVI refueling outage was	*
4 NAMEPLATE RATING (GROSS MWE)	560	* completed on April 17, 1990.	*
5 DESIGN ELECTRICAL RATING (NET MWE)	535	*	*
6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	529	*	*
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	719	2879	139153
12 NUMBER OF HOURS REACTOR WAS CRITICAL	355.6	1819.5	118473.6
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	324.5	1788.1	116743.6
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	347514	2738779	184230977
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	113900	905600	60933400
18 NET ELECTRICAL ENERGY GENERATED (MWH)	106524	860349	58021496
19 UNIT SERVICE FACTOR	45.1	62.1	83.9
20 UNIT AVAILABILITY FACTOR	45.1	62.1	83.9
21 UNIT CAPACITY FACTOR (USING MDC NET)	29.5	59.4	81.2
22 UNIT CAPACITY FACTOR (USING DER NET)	27.7	55.9	77.9
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.6

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