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

SUBJECT: Monthly operating rept for May 1991 for Kewaunee Nuclear Power Plant.W/910612 ltr.

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WISCONSIN PUBLIC SERVICE CORPORATION

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June 12, 1991

10 CFR 50.36

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

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 May 1991 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

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KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE
MAY, 1991

OPERATIONS: The Cycle XVI-XVII refueling outage was completed on May 9, 1991.

MAINTENANCE: The Instrument and Control Group supported numerous startup activities at the beginning of the month and throughout the power escalation period. Nuclear instruments and primary system delta-T instrumentation were readjusted to compensate for the new core and the affects of steam generator plug removal respectively. Modifications were made to the six primary coolant system flow transmitters, and final calibrations were performed on the new source and intermediate range nuclear instruments installed during the outage.

Mechanical and Electrical maintenance activities during the month of May included the closeout of outstanding work requests left open from the refueling outage which ended May 9. Maintenance supported changing station transformer tap settings and degraded grid undervoltage relay setpoints for a design change in response to SSFI findings. Motor lead inspections were performed for Environmental Qualification verification activity. The low pressure turbine rotor removed during the outage was inspected and refurbished.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305
UNIT- KEWAUNEE
COMPLETED BY- G. H. RUITER
TELEPHONE- 414-388-2560 X2225

REPORT MONTH MAY, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	12
10	82
11	167
12	173
13	176
14	177
15	209
16	379
17	466
18	524
19	523
20	526
21	526
22	522
23	510
24	485
25	477
26	526
27	522
28	526
29	526
30	522
31	526

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: June 3, 1991
 COMPLETED BY: G. H. Rutter
 TELEPHONE: 414-388-2560 x2225

REPORT MONTH - MAY, 1991

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
1	5/01/91	S	210.B	C	4	MA	ZZ	ZZZZZ	1. The Cycle XVI-XVII refueling outage continued until May 9, 1991.
2	5/10/91	S	7.0	B	1	MA	ZZ	ZZZZZ	2. A short outage was taken to perform the Turbine overspeed trip and torsional response tests.

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

OPERATING DATA REPORT

DOCKET NO- 50-305
 COMPLETED BY- G. H. RUITER
 TELEPHONE- 414-388-2560 X2225

OPERATING STATUS

1 UNIT NAME KEWAUNEE *****
 *
 2 REPORTING PERIOD MAY, 1991 * NOTES *
 *
 3 LICENSED THERMAL POWER (MWT) 1650 * The Cycle XVI-XVII refueling outage *
 * was completed on May 9, 1991. *
 4 NAMEPLATE RATING (GROSS MWE) 560 * *
 * *
 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	744	3623	148657
12 NUMBER OF HOURS REACTOR WAS CRITICAL	568.6	2180.6	126535.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	526.1	2137.9	124762.5
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MMH)	694766	3300365	197162991
17 GROSS ELECTRICAL ENERGY GENERATED (MMH)	231300	1097100	65231400
18 NET ELECTRICAL ENERGY GENERATED (MMH)	218060	1041775	62103760
19 UNIT SERVICE FACTOR	70.7	59.0	83.9
20 UNIT AVAILABILITY FACTOR	70.7	59.0	83.9
21 UNIT CAPACITY FACTOR (USING MOC NET)	58.3	57.2	81.4
22 UNIT CAPACITY FACTOR (USING DER NET)	54.8	53.7	78.1
23 UNIT FORCED OUTAGE RATE	0.0	0.0	2.4
24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	N/A		
25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP -	N/A		