

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Mar 1991 for Kewaunee Nuclear  
 Power Plant.W/910409 ltr.

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April 9, 1991

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 March 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  
MARCH, 1991

OPERATIONS: The unit was taken off line on March 9, 1991, commencing the Cycle XVI-XVII refueling outage.

The Unit has surpassed its old record for consecutive days of continuous power operation (306) with 325 days.

MAINTENANCE: The Instrument and Control activities for the month included supporting the refueling shutdown, performing annual transmitter calibrations and associated component repair, replacement or recalibration, changing out four Rosemount model 1153 transmitters, and changing out one complete Source Range NIS channel with a new design.

Major Electrical activities included replacement of reactor control rod drive mechanism head cable connectors, refurbishment of various safety related pump motors, replacement of 4160 volt bus work insulation, refurbishment of various valve motor operators, and modifications to the Control Room annunciator panels.

Mechanical Maintenance activities included reactor disassembly to allow fuel movement, inspections of various check valves, replacement of Service Water Pump discharge check valves, inspections of the Diesel Generators, installation of Internal Containment Spray piping to allow full flow testing capability, and modifications to Service Water piping.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH MARCH, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
-----	---

1	499
2	491
3	487
4	478
5	474
6	470
7	458
8	364
9	17
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305  
 UNIT NAME: Kewaunee  
 DATE: April 1, 1991  
 COMPLETED BY: G. H. Ruter  
 TELEPHONE: 414-388-2560 x2225

REPORT MONTH - MARCH, 1991

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
1	3/09/91	S	548.2	C	1	NA	ZZ	ZZZZZZ	1. Commenced Cycle XVI-XVII refueling outage.

## 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 X2225

## OPERATING STATUS

1 UNIT NAME KEWAUNEE \*\*\*\*\*  
\*  
2 REPORTING PERIOD MARCH, 1991 \* NOTES \*  
\*  
3 LICENSED THERMAL POWER (MWT) 1650 \* The Cycle XVI-XVII refueling outage \*  
\* commenced on March 9, 1991. \*  
4 NAMEPLATE RATING (GROSS MWE) 560 \* The Unit has surpassed its old record \*  
\* for consecutive days of continuous \*  
5 DESIGN ELECTRICAL RATING (NET MWE) 535 \* power operation (306) with 325 days. \*  
\*  
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	2160	147194
12 NUMBER OF HOURS REACTOR WAS CRITICAL	196.0	1612.0	125966.7
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	195.8	1611.8	124236.4
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MMH)	285385	2605599	196468225
17 GROSS ELECTRICAL ENERGY GENERATED (MMH)	94700	865800	65000100
18 NET ELECTRICAL ENERGY GENERATED (MMH)	89703	823715	61885700
19 UNIT SERVICE FACTOR	26.3	74.6	84.4
20 UNIT AVAILABILITY FACTOR	26.3	74.6	84.4
21 UNIT CAPACITY FACTOR (USING MDC NET)	24.0	75.8	81.9
22 UNIT CAPACITY FACTOR (USING DER NET)	22.5	71.3	78.6
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 - May 5, 1991			