

KEWAUNEE NUCLEAR POWER PLANT
SUMMARY OF OPERATING EXPERIENCE

July, 1983

OPERATIONS: On July 27, the unit tripped as a result of an instrument bus inverter failure.

On July 28, during unit recovery from the trip described above, two unit trips from low power occurred due to a main feedwater regulating valve control problem. The unit was returned to power operation later the same day.

MAINTENANCE: Replaced a power supply on a Radiation Monitor.
Replaced packing and seals on a Charging Pump.
Replaced two pipe hangers with hangers of larger capacity.
Replaced Diesel Generator startup air compressor second stage valves.

AVERAGE DAILY UNIT POWER LEVEL

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

REPORT MONTH JULY, 1983

DAY AVERAGE DAILY
POWER LEVEL
(MWE-NET)

1	520
2	524
3	520
4	503
5	487
6	520
7	524
8	520
9	520
10	524
11	524
12	520
13	520
14	524
15	520
16	520
17	524
18	520
19	520
20	524
21	516
22	520
23	512
24	491
25	512
26	503
27	111
28	116
29	499
30	508
31	516

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: August 1, 1983
 COMPLETED BY: G. H. Puitter
 TELEPHONE: 414-388-2560 x225

REPORT MONTH - JULY, 1983

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NUMBER	SYS	COMPONENT	COMMENTS
4	7/27/83	F	19.8	A	3	N/A	EC	INSTRU	4. Failure of an instrument bus inverter and an associated electrical transient on a second instrument bus resulted in a reactor/turbine trip.
5	7/28/83	F	2.3	A	3	N/A	CH	MECFUN	5. A reactor/turbine trip occurred during plant startup and was attributed to normal feedwater control transient behavior while transferring from manual to automatic S/G level control. The actual cause was later determined as described under Shutdown No. 6.
6	7/28/83	F	3.9	A	3	N/A	CH	MECFUN	6. Mechanical damage to the feedback linkage on a feedwater regulating valve operator resulted in improper operation of the valve. This caused a reactor/turbine trip during plant startup while transferring from manual to automatic S/G level control.

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 JULY, 1983
 3 LICENSED THERMAL POWER (MWT) 1650
 4 NAMEPLATE RATING (GROSS MWE) 560
 5 DESIGN ELECTRICAL RATING (NET MWE) 535
 6 MAXIMUM DEPENDABLE CAPACITY (GROSS MWE) 550
 7 MAXIMUM DEPENDABLE CAPACITY (NET MWE) 521

 * NOTES
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 * A shutdown on July 27 ended 63 days of
 * continuous power operation.
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8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS
 MDC (Net) and MDC (Gross) were updated based on the summer capacity test performed on July 14, 1983.

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	5087	79992
12 NUMBER OF HOURS REACTOR WAS CRITICAL	724.7	3755.4	67507.0
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	719.0	3662.7	66139.3
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	1159011	5830514	102930515
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	382800	1907700	33875300
18 NET ELECTRICAL ENERGY GENERATED (MWH)	364432	1817343	32242451
19 UNIT SERVICE FACTOR	96.6	72.0	82.7
20 UNIT AVAILABILITY FACTOR	96.6	72.0	82.7
21 UNIT CAPACITY FACTOR (USING MDC NET)	94.0	69.4	77.3
22 UNIT CAPACITY FACTOR (USING DER NET)	91.6	66.8	75.3
23 UNIT FORCED OUTAGE RATE	3.4	0.9	4.1

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

WISCONSIN PUBLIC SERVICE CORPORATION



P.O. Box 1200, Green Bay, Wisconsin 54305

August 10, 1983

Director,
Office of Inspection and Enforcement
Attention Document Control Desk
U. S. Nuclear Regulatory Commission
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 July 1983 are enclosed.

Very truly yours,

C. W. Giesler
C. W. Giesler ^{By} *skm*
Vice President - Nuclear Power

js
Enc.

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