



NRC-00-052

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
Kewaunee Nuclear Power Plant
North 490, Highway 42
Kewaunee, WI 54216-9511
920-388-2560

July 7, 2000

10 CFR 50.36

U. S. Nuclear Regulatory Commission
Attention: 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 June 2000 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark L. Marchi".

Mark L. Marchi
Vice President-Nuclear

MLA

Enc.

cc - **US NRC - Region III**
NRC Senior Resident Inspector
INPO Records Center
PSCW - Sharon Henning

IE24

KEWAUNEE NUCLEAR POWER PLANT - DOCKET 50-305
SUMMARY OF OPERATING EXPERIENCE

June 2000

Cycle XXIII-XXIV refueling outage continued through June 2, 2000. G-1 was closed at 1022. G-1 was opened June 2, 2000 at 2303 to perform SP054-064, Turbine Overspeed Trip Test. G-1 was closed ending the current refueling outage on June 2, 2000 at 2358.

On June 6, 2000 while at 37% power a manual trip was initiated in response to an abnormal high temperature indication of the "A" Reactor Coolant Pump. The indicated increased temperature was on the RxCP bearing water outlet temperature. Plant procedures prohibit operating the RxCP with bearing temperature indication in excess of 225°F. Subsequent to temperature indication exceeding 225°, the reactor and affected pump were tripped. The cause of the increased temperature indication was a failed resistance temperature detector (RTD).

Instrument and Control Group Activities for the Month:

- Replaced FW bypass valve solenoid operated valves.
- Replaced RWST bistable module.
- Replaced O-rings on EQ transmitters.
- Repaired leaky Swagelok fittings on transmitters.
- Replaced Main FW valve solenoid operated valves.

Maintenance Group Activities for the Month:

Electrical Maintenance

- Performed PM's on the following equipment:
 - Reactor trip breakers
 - A&B batteries (quarterly PM's)
 - 1B containment spray pump motor and breaker
 - 4160V buses 1, 2, 5 & 6
- Replaced 1A1 service water pump motor.
- Supported mechanics for 1A2 SW pump replacement (replaced with same motor).
- Performed maintenance on service water 1306 A&B switches.
- Working on design change request for component cooling heat exchanger service water bypass valves.

Mechanical Maintenance

- Completed pump shaft inspection for service water pump 1A1; inspection completed satisfactorily.
- Replaced service water pump 1A2.

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- 920-388-8453

REPORT MONTH JUNE 2000

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

1	0
2	26
3	150
4	163
5	163
6	167
7	0
8	144
9	204
10	375
11	379
12	387
13	399
14	481
15	477
16	482
17	482
18	481
19	478
20	490
21	490
22	490
23	494
24	495
25	490
26	494
27	490
28	494
29	490
30	494

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: July 7, 2000
 COMP BY: Mary L. Anderson
 TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH - JUNE 2000

NO.	DATE	TYPE	DURATION	REASON	METHOD	LER NO.	SYS	COMPONENT	COMMENTS
1	06/01/00	S	34.37	C	4	N/A	ZZ	ZZZZZZ	Cycle XXIII-XXIV Refueling Outage continued through June 2. G-1 was closed at 1022.
2	06/02/00	S	.92	B	1	N/A	ZZ	ZZZZZZ	G-1 was opened 06/02/00 at 2303. A short outage was taken to perform the Turbine Overspeed Trip Test. G-1 was closed for the final time 06/02/00 at 2358.
3	06/06/00	F	27.16	A	2	2000-009	IF	INSTRU	On June 6 while at 37% power a manual trip was initiated in response to an abnormal high temperature indication of the A Reactor Coolant Pump. The indicated increased temperature was on the RxCP bearing water outlet temperature. Plant procedures prohibit operating the RxCP with bearing temperature indication in excess of 225°F. Subsequent to temperature indication exceeding 225°, the reactor and affected pump were tripped. The cause of the increased temperature indication was a failed resistance temperature detector (RTD).

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- 920-388-8453

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

1 UNIT NAME	KEWAUNEE	*****	
2 REPORTING PERIOD	JUNE 2000	* NOTES	*
3 LICENSED THERMAL POWER (MWT)	1650	* 94% Rx Power, Steady State Operation	*
4 NAMEPLATE RATING (GROSS MWE)	560	*	*
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	720	4367	228289
12 NUMBER OF HOURS REACTOR WAS CRITICAL	697.0	3386.4	193468.2
13 REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	2330.5
14 HOURS GENERATOR ON-LINE	657.5	3344.4	191350.8
15 UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	10.0
16 GROSS THERMAL ENERGY GENERATED (MWH)	832708	5122992	302786886
17 GROSS ELECTRICAL ENERGY GENERATED (MWH)	276900	1704500	100392500
18 NET ELECTRICAL ENERGY GENERATED (MWH)	260343	1620917	95532763
19 UNIT SERVICE FACTOR	91.3	76.6	83.8
20 UNIT AVAILABILITY FACTOR	91.3	76.6	83.8
21 UNIT CAPACITY FACTOR (USING MDC NET)	70.8	72.6	81.7
22 UNIT CAPACITY FACTOR (USING DER NET)	67.6	69.4	78.2
23 UNIT FORCED OUTAGE RATE	4.0	0.8	1.7

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