

CATEGORY 1

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RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Oct 1998 for Kewaunee Nuclear Power Plant. With 981110 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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NRC-98-111

Wisconsin Public Service Corporation
(a subsidiary of WPS Resources Corporation)
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1-920-433-5544 fax

November 10, 1998

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 October 1998 are enclosed in accordance with Technical Specification 6.9.a.3.

Sincerely,

Mark L. Marchi
Site Vice President-Kewaunee Plant

MLA

Enc.

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

JE24/1

9811180017 981031
PDR ADOCK 05000305
R PDR

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

October, 1998

The first power coastdown evolution for the end of cycle 22 was performed on Sunday, October 10 at 1212.

On Friday, October 16, at 2330, G-1 was tripped initiating the 1998 Refueling/Maintenance Outage. Estimated outage duration is 43 days, with an estimated startup date of November 28, 1998.

Instrument and Control group activities for the month:

Completed testing of selected Air Operated Valves with Fisher Diagnostic contractor.

Assisted Engineering with plant Safety Valve and Main Steam Valve Testing using the I&C Acquisition System.

Started calibration of plant Foxboro H-Line equipment.

Maintenance group activities for the month:

Electrical QA1 work

Completed work on circuit breakers for SI pump 1A and Station service transformer 1-61 including vendor recommendations for anti reversing prop.

Investigated circuit breaker trip and then Meggered numerous MOV power cables associated with electrical penetration A11 degradation and worked on rewiring to alternate, acceptable conductors in that penetration per a design change.

Completed a number of MOV rewires for DCR 2930, "Hot Smart Shorts," and some corrective maintenance work resulted from observations during retests.

Completed cable replacements for solenoid valves on PR2A and PR2B actuator and cable tie replacement for PR1A and PR1B per EQ requirements.

Replaced completed prefab relay testing and replaced/rewired various time delay relays for DG B.

Investigated and repaired various indicating light problems including replacing a socket on DG A required for a GL96-01 test.

Completed preventive maintenance on safeguards battery chargers and several corrective maintenance activities associated with these chargers.

Completed various work activities associated with relay testing and walkdowns associated with GL96-01.

Completed MOV preventive maintenance and testing.

Mechanical QA1 work

Completed both predictive and IST vibration monitoring on the Service Water pumps and the Safety Injection pumps.

Completed predictive vibration monitoring on our Rx Coolant pumps and Containment Fan Coil units.

Provided support to allow ISI inspections per the ISI plan which included various minor hanger and valve work (tighten loose jam nuts, adjust packing on manual valves).

Repacked valve SI8A.

Replaced the inboard seal on SI pump B for a leak noted during preventive maintenance activities. Completed PM activities on both SI pumps including oil change and analysis, cooler cleaning and end play checks.

Replaced the inboard seal on Component Cooling pump B for leakage along with the associated bearing work. Also, addressed a vibration concern associated with the retest of this pump.

Replaced charcoal filter on Zone SV fan and HEPA filter on SFP exhaust fan per filter testing and DP.

Replaced the B Control Room Air Conditioning unit condenser SW control valve for a body leak.

Repacked Charging pump C plunger to correct leakage.

Completed eddy current examination of DG B HX and the A Component Cooling (CC) HX. We installed one plug in the A CCHX and a number in the outboard cooler on the diesel. The inboard diesel cooler was replaced. A minor gasket leak on the CCHX A was also repaired.

Completed preventive maintenance activities on A RxCP seal and inspection on the #3 seal on B RxCP.

Removed primary manways and installed nozzle dams in both SGs to facilitate SG inspection and repair.

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 OCTOBER, 1998

DAY AVERAGE DAILY
 POWER LEVEL
 (MWE-NET)

| | |
|----|-----|
| 1 | 503 |
| 2 | 499 |
| 3 | 499 |
| 4 | 499 |
| 5 | 503 |
| 6 | 499 |
| 7 | 499 |
| 8 | 499 |
| 9 | 503 |
| 10 | 499 |
| 11 | 499 |
| 12 | 490 |
| 13 | 491 |
| 14 | 478 |
| 15 | 482 |
| 16 | 359 |
| 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 |

DOCKET NO: 50-305
 UNIT NAME: Kewaunee
 DATE: November 9, 1998
 COMP BY: Mary L. Anderson
 TELEPHONE: 920-388-8453

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH - OCTOBER 1998

| NO. | DATE | TYPE | DURATION | REASON | METHOD | LER NO. | SYS | COMPONENT | COMMENTS |
|-----|----------|------|----------|--------|--------|---------|-----|-----------|---|
| 3 | 10-16-98 | S | 361.5 | C | 1 | N/A | ZZ | ZZZZZZ | Commenced Cycle XXII-XXIII Refueling Outage |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

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 | OCTOBER, 1998 | * NOTES | |
| 3 LICENSED THERMAL POWER (MWT) | 1650 | * Unit was shut down on 10-16-98, | |
| 4 NAMEPLATE RATING (GROSS MWE) | 560 | * Refueling/Maintenance Outage | |
| 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 | 745 | 7296 | 213698 |
| 12 NUMBER OF HOURS REACTOR WAS CRITICAL | 383.6 | 6783.1 | 180462.1 |
| 13 REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 2330.5 |
| 14 HOURS GENERATOR ON-LINE | 383.5 | 6752.2 | 178412.6 |
| 15 UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 10.0 |
| 16 GROSS THERMAL ENERGY GENERATED (MWH) | 595143 | 10643626 | 282557085 |
| 17 GROSS ELECTRICAL ENERGY GENERATED (MWH) | 197200 | 3522400 | 93660600 |
| 18 NET ELECTRICAL ENERGY GENERATED (MWH) | 187123 | 3349328 | 89131132 |
| 19 UNIT SERVICE FACTOR | 51.5 | 92.5 | 83.5 |
| 20 UNIT AVAILABILITY FACTOR | 51.5 | 92.5 | 83.5 |
| 21 UNIT CAPACITY FACTOR (USING MDC NET) | 49.2 | 89.8 | 81.4 |
| 22 UNIT CAPACITY FACTOR (USING DER NET) | 46.9 | 85.8 | 78.0 |
| 23 UNIT FORCED OUTAGE RATE | 0.0 | 0.3 | 1.8 |

24 SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)

25 IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP - 11-28-98