KEWAUNEE NUCLEAR POWER PLANT

SUMMARY OF OPERATING EXPERIENCE

AUGUST 1979

OPERATIONS:

The unit was returned to service after refueling on August 1.

The unit was removed from service on August 2 for turbine balancing. The unit was returned to service on the same day.

On August 9, the unit was removed from service to repair pressurizer safety and/or POR valve leaks. The unit was returned to service on August 16.

On August 19, the unit was removed from service due to a suspected pressurizer safety and/or POR valve leak. Leakage was determined to be seat leakage on the pressurizer loop seal drain valves and the Reactor Coolant System loop drain valves. The unit was returned to service on August 19.

MAINTENANCE:

Replace bistable in NI for P-10 permissive.

Calibrated various BA heat tracing circuits.

A DG keep warm oil pump was replaced.

Completed fire wall penetration upgrade.

Repaired leaking pressurizer safety valves.

Replaced an RHR pump shaft seal.

Replaced a solenoid coil in an SV Exhaust Fan control circuit.

Visually inspected safety related piping systems.

Repaired a Steam Generator power operated relief valve.

DOCKET NO- 50-305 COMPLETED BY- J. J. RALLAGE TELEPHONE- 414-388-2560 X207

OPPRATING STATUS

| 1 | UNIT NAME KEWAUNEE | ************************************** | | | | |
|---|---|--|---|--|--|--|
| • | | • | ★ | | | |
| 2 | REPORTING PERIOD AUGUST, 1979 | | * NOTES Unit recovered from refueling * * outage and resumed full pover operation. * | | | |
| 3 | LICENSED THERMAL POWER (MWT) | 1650 | * Two outages followed recovery related to *. * RCS leakage within closed systems * | | | |
| Ц | NAMEPLATE BATING (GROSS MWE) | 560 | * A new Net MDC was established. The unit * * ended the report period in unrestricted * | | | |
| 5 | DESIGN ELECTRICAL RATING (NET MWE) | 535 | * operation. * | | | |
| б | MAXIMUM DEPENDABLE CAPACITY (GROSS NWE) | 545 | * * * | | | |
| 7 | MAXIMUM DEPENDABLE CAPACITY (NET MWE) | 524 | **************** | | | |

- 8 IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS A new Net MDC was established following refueling during which two MSR bundles were replaced.
- 9 POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE)
- 10 REASONS FOR RESTRICTIONS, IF ANY

| | | THIS MONTH | YR-TO-DATE | CUMULATIVE | |
|--------------------------------|---------------|---------------|-----------------|------------|---|
| 11 HOURS IN REPORTING PERIOD | | 744 | 5831 | 45672 | |
| 12 NUMBER OF HOURS REACTOR WAS | S CRITICAL | 591.9 | 4112.7 | 38076.5 | • |
| 13 REACTOR RESERVE SHUTDOWN HO | OURS . | 151.5 | 170.8 | 2177.8 | |
| 14 HOURS GENERATOR ON-LINE | | 558.3 | 4002.7 | 37075.0 | ē |
| 15 UNIT RESERVE SUTDOWN HOURS | | 0.0 | 0.0 | 10.0 | |
| 16 GROSS THERMAL ENERGY GENER. | ATED (MWH) | 740156 | 6266502 | 56469783 | |
| 17 GROSS ELECTRICAL ENERGY GE | NERATED (MVH) | 244000 | 2051100 | 18621400 | • |
| 18 NET ELECTRICAL ENERGY GENE | | | 1951211 | 17711000 | |
| 19 UNIT SERVICE PACTOR | | 75.0 | 68.6 | 81.2 | |
| 20 UNIT AVAILABILETY PACTOR | | 75.0 | 68.6 | 81.2 | |
| 21 UNIT CAPACITY PACTOR (USIN | G MDC NET) | 59.1 | 64.6 | 74-0 | |
| 22 UNIT CAPACITY PACTOR (USIN | G DER NET) · | 57.9 | 62.5 | 72.5 | |
| 23 UNIT FORCED OUTAGE RATE | | 1. 4 | 183 | 5.7 | |
| 26 SHUTDOWNS SCHEDULED OVER W | | PE. DATE. AND | DURATION OF EAC | H) | |

- 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 N/A

DOCKER NO: 50-305 UNIT HAME: Kewaunee

DATE: September 4, 1979 COMPLETED BY: J. J. Wallace

TELEPHONE: 414-388-2560 X207

REPORT SONTH - AUGUST, 1979

| NO. | DATE | TYPE | DURATION | REASON | METHOD | LER NUMBER | SYS | COMPONENT | COMMENTS | |
|------|---------|-----------------------|-----------|---|---|------------------|------------------------------|---|--|--|
| 7 | 5/26/79 | S | 13.0 | С | 4 | N/A | l l RC | PUELXX | 7. Refueling outage from May concluded. | |
| 8 1 | 8/ 2/79 | i | 6.1 | B i | 1 1 | n/a | 1 1 HA 1 | I TURBIN | 8. A short outage was taken to adjust balance weights on the turbine. | |
| 9 1 | 8/ 9/79 | !] S] | 1 158.9 | В | 1 | N/A | i cb | I VALVEX | 9. Detected leakage through pressurizer safety is valves within T.S. limits. An outage was a scheduled for repair to prevent valve damage. | |
| . 10 | 8/19/79 | l l P | 7.7 | B | 9 | 79-23 | I CB |] VALVEX | 1 10. Detected leakage in excess of 1 gpm. Turbine taken off line with reactor critical. | |
| (| , | 1 | | ! ! ! | 1 1 | · | | i 1 | Miscellaneous drain valves tightened. | |
| | | | | | 1 | | 1 1 1 1 1 | | | |
| | | ; ; ; ; ; | | i i i i | 1 1 1 1 | 1 1 1 1 | | 1 | | |
| | | | 1 1 1 1 1 | 1 | 1 | | less bus ere end der era era | | | |

TYPE

REASON

P: Forced s: Scheduled A-Equipment Failure (Explain) B-Maintenance or Test

C-Refueling D-Regulatory Restriction

E-Operator Training & License Examination

P-Administrative

G-Operational Error (Explain) H-Other (Explain)

METHOD

4-Continuations

5-Load Reductions

SYSTEM & COMPONENT CODES

From NUREG-0161 1-Manual 2-Manual Scram 3-Automatic Scram

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO- 50-305 UNIT- KEWAUNEE COMPLETED BY- J. J. WALLACE TELEPHONE- 414-388-2560 X207

REPORT HONTH AUGUST, 1979

AVERAGE DAILY

| DAY | | POWER LEVEL (HWE-NET) | | | | | |
|--------|---------|-----------------------|-----|---|--|--|--|
| 4 | | 4 | 49 | | | | |
| 1 | - | | 123 | | | | |
| 2 | | | 164 | | | | |
| 3 4 | | | 192 | | | | |
| . 5 | | | 355 | : | | | |
| . 6 | | • | 380 | | | | |
| 7 | - | | 392 | | | | |
| 8 | | | 445 | | | | |
| 9 | | | 248 | | | | |
| 10 | • | | 0 | | | | |
| 11 | | · | 0 | | | | |
| 12 | • • • • | 44 | 0 | | | | |
| 13 | | | 0 | | | | |
| 14 | | | 0 - | | | | |
| 15 | | | 0 - | | | | |
| 16 | | | 130 | : | | | |
| 17 | | | 366 | | | | |
| .18 | | | 477 | | | | |
| 19 | | • | 177 | | | | |
| 20 | | | 347 | | | | |
| 21 | | | 524 | | | | |
| 22 | | • | 524 | | | | |
| 23 | | | 524 | | | | |
| 24 | | | 524 | | | | |
| 25 | | | 524 | | | | |
| 26 | | - | 516 | | | | |
| 27 | | | 524 | | | | |
| 28 | | | 524 | | | | |
| . 29 | | | 524 | | | | |
| 30 | | | 524 | | | | |
| 31 | | ٠, | 524 | | | | |
| | | | | • | | | |