

MONTHLY OPERATIONS SUMMARY

JUNE 1981

At the beginning of the reporting period, the Oyster Creek Nuclear Generating Station was in the process of startup. The startup was lengthened considerably by Main Condenser tube leak problems, condensate pump availability, and the unavailability of #2 Traversing Incore Probe (TIP). Full core thermal power was attained on June 11 at a generator output of 635 MWe. On June 23, load was reduced to 70% when "B" Feedwater String was taken out of service to correct a seal water leak. Beginning on June 18, degrading condenser vacuum forced overall plant output to be reduced to approximately 470 MWe over a period of a week. A reactor SCRAM due to low condenser vacuum occurred on June 26. After maintenance on the steam traps for the Steam Jet Air Ejectors, preparations for startup were underway on June 28 when water was discovered in the turbine lube oil system. Changing out the oil delayed startup until June 30. The reactor was brought critical at 0637 on June 30 and at the end of the reporting period power was being increased as plant parameters allowed.

The following Reportable Occurrences were identified during the month of June:

- R.O. 81-21 was identified on June 3 when Reactor High Pressure Scram switches RE03P, C, and D were found to have settings less conservative than Technical Specification requirements.
- R.O. 81-23 occurred on June 3 when the drywell was vented to reduce the oxygen concentration and Drywell to Torus differential pressure was not maintained.
- R.O. 81-24 occurred on June 15 when two Emergency Service Water Pumps failed to meet surveillance acceptance criteria and were declared inoperable. Also a Technical Specification violation occurred when the required surveillance test was not performed within the specified time frame.
- R.O. 81-25 occurred on June 17 when both doors to the Reactor Building Railroad Airlock were found open as a result of reactor ventilation system misoperation.
- R.O. 81-26 was identified on June 27 when the setpoint for the Isolation Condenser Reactor High Pressure Switch was found to be less conservative than Technical Specification requirements.

OPERATING DATA REPORT

OPERATING STATUS

UNIT NAME OYSTER CREEK

LOCKET NUMBER 50-219

UTILITY DATA PREPARED BY J.B. SKLAR 609-693-6013

REPORTING PERIOD JUNE 1981

LICENSED THERMAL POWER (MWT) 1930

NAMEPLATE RATING (GROSS MWE) 650

DESIGN ELECTRICAL RATING (NET MWE) 650

MAXIMUM DEPENDABLE CAPACITY (GROSS MWE) 650

MAXIMUM DEPENDABLE CAPACITY (NET MWE) 620

IF CHANGES OCCUR IN CAPACITY RATING
SINCE LAST REPORT, GIVE REASON NONE

POWER LEVEL TO WHICH RESTRICTED, IF
ANY (NET MWE) 450

REASON FOR RESTRICTION, IF ANY DEGRADING CONDENSER VACUUM

| | <u>MONTH</u> | <u>YEAR</u> | <u>CUMULATIVE</u> |
|--------------------------|--------------|-------------|-------------------|
| HOURS IN PERIOD | 720.0 | 4343.0 | 100991.0 |
| HOURS RX CRITICAL | 621.1 | 3223.1 | 75653.7 |
| RX RESERVE SHUTDOWN HRS. | 0.0 | 0.0 | 468.2 |
| HRS. GEN ON LINE | 603.7 | 3028.4 | 73997.4 |
| UT RESERVE SHUTDOWN HRS. | 0.0 | 0.0 | 0.0 |
| GROSS THERMAL ENERGY | 965800.0 | 5031640.0 | 125178120.5 |
| GROSS ELEC. ENERGY | 311230.0 | 1652420.0 | 42580665.0 |
| NET ELEC. ENERGY | 297480.0 | 1579420.0 | 41018078.0 |
| UT SERVICE FACTOR | 83.8 | 69.7 | 73.3 |
| UT AVAILABILITY FACTOR | 83.8 | 69.7 | 73.3 |
| UT CAPACITY FACTOR MDC | 66.6 | 58.7 | 66.9 |
| UT CAPACITY FACTOR DER | 63.6 | 55.9 | 62.5 |
| FORCED OUTAGE FACTOR | 16.2 | 9.3 | 6.7 |

THE NEXT SCHEDULED OUTAGE IS TO BEGIN ON NOVEMBER 31, 1981

AVERAGE DAILY POWER LEVEL

DOCKET # 50-219
UNIT O. C. #1
REPORT DATE . . . July 14, 1981
COMPLETED BY . . . J.B. Sklar
TELEPHONE 609-693-6013

MONTH: June 1981

| <u>DAY</u> | <u>MW</u> | <u>DAY</u> | <u>MW</u> |
|------------|-----------|------------|-----------|
| 1. | 379. | 17. | 544. |
| 2. | 457. | 18. | 564. |
| 3. | 416. | 19. | 545. |
| 4. | 453. | 20. | 524. |
| 5. | 518. | 21. | 510. |
| 6. | 497. | 22. | 430. |
| 7. | 496. | 23. | 427. |
| 8. | 308. | 24. | 444. |
| 9. | 445. | 25. | 408. |
| 10. | 459. | 26. | 53. |
| 11. | 578. | 27. | 0. |
| 12. | 595. | 28. | 0. |
| 13. | 594. | 29. | 0. |
| 14. | 594. | 30. | 0. |
| 15. | 602. | | |
| 16. | 583. | | |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JUNE 1981

DOCKET NO. 50-219
 UNIT NAME Oyster Creek #1
 DATE July 10, 1981
 COMPLETED BY J. B. Sklar
 TELEPHONE 609-693-6013

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-----|---------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 17 | 6-26-81 | F | 116:20 | A | 3 | N/A | ZZ | ZZZZZ | Automatic Scram due to low condenser vacuum. Corrective action consisted of maintenance on the steam traps for the Steam Jet Air Ejectors. |

¹
 F: Forced
 S: Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

JUNE SUMMARY OF QASL MECHANICAL MAINTENANCE

| <u>EQUIPMENT</u> | <u>MALFUNCTION</u> | <u>CORRECTIVE ACTION</u> |
|-------------------------------------|--|--|
| Torus Ventilation Valve V-28-18 | Position indication not working | Switch actuating arm adjusted and tightened |
| Emergency Service Water Pumps | Degraded performance | B and C pumps - removed, cleaned suction, checked impeller clearance, flow rates verified on all pumps |
| Railroad Airlock Doors (Inner) | Locking top plate allowing leakage | Top plate assembly repaired |
| B CRD Pump | Degraded performance | Rebuilt pump, replaced rotor and coupling |
| V-20-40 (Core Spray System I) | Packing leak | Adjusted packing to stop leak |
| Shutdown Cooling System "A" Pump | Closed Cooling Water leak to pump Oil Cooler | Replaced union with a new one |

JUNE SUMMARY OF QASL ELECTRICAL MAINTENANCE

| <u>EQUIPMENT</u> | <u>MALFUNCTION</u> | <u>CORRECTIVE ACTION</u> |
|---|---|---|
| Emergency Service Water Pump E-Motor Ammeter | Out of calibration | Calibrated ammeter |
| Emergency Service Water Pump A-Motor Ammeter | Out of calibration | Replaced ammeter |
| Containment Spray Valve V-21-11 | Flex-conduit loose | Reconnected conduit |
| Railroad Airlock Doors | Must be operated from relays | Replaced limit switches |
| CRD "B" Pump Motor | Abnormal noise | Replaced inboard and outboard bearings |
| Emergency Service Water Valve V-3-88 | No local position indication when closed | Removed broken light socket |
| MSIV Drain Valve V-1-11 | Torque switches needs resetting | Reset switches |
| C Bus Under Voltage Indication | Requires relamping | Relamped |
| CRD Notch Override Switch | Stop plate worn | Replaced detent stop plate |

JUNE SUMMARY OF QASL INSTRUMENT MAINTENANCE

| <u>EQUIPMENT</u> | <u>MALFUNCTION</u> | <u>CORRECTIVE ACTION</u> |
|--------------------------------------|----------------------------------|---|
| V-15-61 | Install Vent Cap | Vent Cap installed |
| #2 TIP Machine | TIP retracted into Drive cabinet | Replaced TIP, adjusted limit switches, reset logic and calibrated system |
| Radwaste overboard discharge monitor | High alarm in continuously | Alarm circuit not wired correctly. Repaired and tested satisfactory |
| AOG System "B" Recombiner | H ₂ Analyzer drifting | Removed moisture from units and calibrated |
| DW Humidity Recorder | Stuck on point 4 | Repaired, cleaned and calibrated |
| MSL Rad. Monitors #3 and 4 | Surveillance discrepancy | Corrected discrepancies by adjusting trip points according to procedure |
| AOG System Exhaust Rad Monitor | Alarming continuously | Calibrated monitor, adjusted set points in accordance with Standing Orders |
| Radwaste effluent monitor | Recorder out of calibration | Calibrated Recorder |
| Radwaste effluent monitor | Leak at Detector | Welding req. referred to Mechanical Maintenance |
| Shutdown Cooling Flow Control | Jumper "A" Loop | Installed Jumper on "A" Loop |
| IRM CH. #17 | Surveillance discrepancy | Corrected discrepancy by adjustment Electronics according to procedure |
| IRM CH. #11 | Not fully inserted | Manually assisted to full insert. Modification pending approval by Engineering to repair this problem |

| <u>EQUIPMENT</u> | <u>MALFUNCTION</u> | <u>CORRECTIVE ACTION</u> |
|--------------------------------|--|---|
| DW Humidity Recorder | Out of calibration | Performed calibration |
| ARM RO14C-4 | Spiking | Performed calibration |
| MSL Rad Monitor #4 | Trip point discrepancy | Adjusted to correct trip point |
| A Recirc Pump | Limit switch calibration required | Calibrated limit switch |
| DW/Torus D/P Inst. | Erratic operation | Replaced with new unit |
| A Isol. Condenser | Erratic Indication | Refilled reference leg. |
| O ₂ Analyzer | Indication climbing for no apparent reason | Removed moisture from System and performed complete calibration |
| ARM RO14C-7 | Downscale | Replaced sensor and calibrated |
| Recirc Pump Bearing Temp. Rec. | Reading high | Cleaned Rotary switch and calibrated |
| IRM Front Panel Tests | Surveillance discrepancy | Made necessary adjustment per procedure |
| APRM CH. #6 Recorder | Not responding | Cleaned, adjusted and calibrated |
| Off Gas Line Flow Recorder | Gears not driving | Replaced bushings and calibrated |
| A Recirc Pump | Winding Temp high | Installed spare RTD and calibrated monitor |
| SRM CH. #23 | Mode switch alignment | Aligned switch and tested satisfactory |

| <u>EQUIPMENT</u> | <u>MALFUNCTION</u> | <u>CORRECTIVE ACTION</u> |
|-------------------------------------|---------------------------------------|--|
| TIP Machine #2 | In-shield switch not working properly | Adjusted switch and tested satisfactory |
| ARM RO14A-5 | Downscale | Replaced sensor and calibrated |
| LPRM 1217D and 2009D | Cannot zero | Replaced Flux Pumps and calibrated |
| Recirc Pumps suction Temp. Recorder | Out of Service | Cleaned Rotary switch and calibrated |
| Clean up System Temp element | Malfunctioning | Repaired broken Thermocouple |
| AOG moisture removal train | Zero level indication | Calibrated water removal system |
| A SDC Pump | Remove Jumper on "A" Loop | Completed |
| Condenser Low Vacuum | Calibrate Scram Function | Calibrated System by Surveillance procedure |
| APRMs | Surveillance discrepancies | Corrected discrepancies by adjustment according to procedure |
| Off Gas Line Flow Recorder | Pen hanging up | Cleaned, adjusted and calibrated pen mechanism |
| AOG Exhaust monitor | Chart not taking up | Could not substantiate problem |
| MSL Pad monitor | Surveillance discrepancies | Corrected discrepancies by recorder calibration |

| <u>EQUIPMENT</u> | <u>MALFUNCTION</u> | <u>CORRECTIVE ACTION</u> |
|-------------------------|------------------------------|---------------------------------------|
| AOG Hydrogen Analyzer | System full of water | Removed water and calibrated monitor |
| Event Recorder (Scram) | Paper not taking up | Tightened drive gear on chart take up |
| Fire Alarm in 4160 Room | Alarming - no apparent cause | Replaced resistor in detector string |

REFUELING INFORMATION

Name of Facility: Oyster Creek Station #1

Scheduled date for next refueling shutdown: November 28, 1981

Scheduled date for restart following refueling: May 31, 1982

Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

A Tech Spec Change Request to incorporate G.E. fuel assemblies will be submitted by August 15, 1981.

Scheduled date(s) for submitting proposed licensing action and supporting information:

March 9, 1981 - Complete NEDO Document #24195 (G.E. Reload Fuel Application for Oyster Creek) was submitted.

Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:

- 1) General Electric Fuel Assemblies - fuel design and performance analysis methods have been approved by the NRC. New operating procedures, if necessary, will be submitted at a later date.
- 2) Exxon Fuel Assemblies - No major changes have been made nor are there any anticipated.

The number of fuel assemblies (a) in the core - 560
(b) in the spent fuel storage pool - 781

The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:

Present: 1,800 Planned: 2,600

The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

The Spring 1987 Outage.*

*Note: This is for a normal refueling. Full core off-load, however, can only be accommodated through about 1983 or 1984 with 1800 licensed locations.