

MONTHLY OPERATIONS SUMMARY

DECEMBER 1981

At the beginning of the reporting period, the Oyster Creek Nuclear Generating Station was operating at 637 MWe with load being administratively limited by the Acoustic Monitor for Electromatic Relief Valve "D". On December 4, while performing "A" Isolation Condenser valve operability testing the steam inlet valve to "A" Isolation Condenser (V-14-30) failed to stroke closed, due to a damaged stem nut on the Limitorque motor operator. Repairs to V-14-30 were completed on December 6, and "A" Isolation Condenser was returned to service. On December 7, "B" Isolation Condenser was isolated to inspect the Limitorque motor operator stem nut on the steam inlet valve to "B" Isolation Condenser (V-14-32). On December 9, damage similar to that found on V-14-30 was found on V-14-32, and a Reactor shutdown was commenced to investigate possible Isolation Condenser valve operability problems. The turbine generator went off line at 1925 on December 9. The plant remained shutdown for the remainder of the reporting period.

The following Reportable Occurrences were identified during December:

On December 1 High Flow Main Steam Line as found setpoints were outside
(RO 81-66) acceptable range on RE22C, RE22E, and RE22F.

On December 3 Switches IP15A, B, C, D for the Containment Spray System
(RO 81-64) were found to have settings less conservative than
Technical Specification requirements.

On December 3-4 V-14-30 failed to fully close on a signal from the Control
(RO 81-65) Room.

The following events were identified as potential Reportable Occurrences during December:

On December 18 RE-18A on the Triple Lo Reactor Water level circuit would
not repeat within required limits.

On December 20 CRD 14-23 failed to scram when scrambled individually for
maintenance.

On December 31 The New Radwaste Overboard Effluent Radiation Monitor was
found inoperative and tests on the unit were not being
done to comply with Technical Specifications.

The setpoint for Isolation Condenser Linebreak Sensor
Switch IB11A1 was found to have settings less conservative
than Technical Specification requirements.

Switches RV46A, RV46B, and RV46D in the Core Spray System
were found out of specification.

OPERATING DATA REPORT

OPERATING STATUS

UNIT NAME...OYSTER CREEK

DOCKET NUMBER...50-219

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

REPORTING PERIOD... December 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)... NO RESTRICTION

REASON FOR RESTRICTION, IF ANY...
NO RESTRICTION

	MONTH	YEAR	CUMULATIVE
HOURS IN PERIOD	744.0	8760.0	105408.0
HOURS RX CRITICAL	213.8	5545.7	77976.4
RX RESERVE SHUTDOWN HRS.	0.0	0.0	468.2
HRS. GEN ON LINE	213.4	5241.1	76210.1
UT RESERVE SHUTDOWN HRS	0.0	0.0	0.0
GROSS THERMAL ENERGY	388300.0	8444550.0	128591030.5
GROSS ELEC ENERGY	135270.0	2757730.0	43605975.0
NET ELEC ENERGY	126950.0	2628780.0	42067438.0
UT SERVICE FACTOR	28.7	59.8	72.3
UT AVAILABILITY FACTOR	28.7	59.8	72.3
UT CAPACITY FACTOR MDC	27.5	48.4	65.7
UT CAPACITY FACTOR DER	26.3	46.2	61.4
FORCED OUTAGE FACTOR	71.3	32.4	9.0

THE NEXT SCHEDULED OUTAGE IS TO BEGIN ON JULY 1, 1982

AVERAGE DAILY POWER LEVEL

DOCKET #..... 50-219
 UNIT..... O. C. #1
 REPORT DATE... January 8, 1982
 COMPILED BY... J.B. SKLAR
 TELEPHONE.... 609-593-6013

MONTH December 1981

DAY	MW	DAY	MW
1.	619.	17.	0.
2.	619.	18.	0.
3.	605.	19.	0.
4.	620.	20.	0.
5.	617.	21.	0.
6.	614.	22.	0.
7.	613.	23.	0.
8.	614.	24.	0.
9.	505.	25.	0.
10.	0.	26.	0.
11.	0.	27.	0.
12.	0.	28.	0.
13.	0.	29.	0.
14.	0.	30.	0.
15.	0.	31.	0.
16.	0.		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1981

DOCKET NO. 50-219
 UNIT NAME Oyster Creek
 DATE January 8, 1982
 COMPLETED BY G. W. Young
 TELEPHONE (609) 693-6046

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
22	12-9-81	F	530.6	B	1	81-65 (RO)	ZZ	ZZZZZ	Shutdown to Investigate Isolation Condenser Valve Operability Concerns and Correct Operability Problems.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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

December SUMMARY OF QASL Mechanical MAINTENANCE

<u>EQUIPMENT</u>	<u>MAIFUNCTION</u>	<u>CORRECTIVE ACTION</u>
Iso Condenser Valve V-14-32	Packing leak	Added packing
CRD Accumulator 10-11	V-111 leaks	Replaced valve with a rebuilt one
Iso Condenser Valve V-14-30	Problem with operation of valve	Removed Limitorque stem nut and removed the first 2½ threads in nut
Iso Condenser vent valve V-14-5	Air diaphragm ruptured	Installed new diaphragm
Refueling bridge tools	Air leaks	Repaired air hose line to tools
Containment Spray Snubber 19-4	Oil leak	Installed new snubber
CRD 14-23, 107 valve	107 valve leaks through	Changed valve
CRD 18-03, SCRAM Valve	Leaks through	Changed gaskets and seat
CRD 42-07, V-111	Leaks through	Changed valve
Iso vent valves V-14-5 and V-14-20	Packing Leak	Added packing

December SUMMARY OF QASL Mechanical MAINTENANCE

<u>EQUIPMENT</u>	<u>MALFUNCTION</u>	<u>CORRECTIVE ACTION</u>
V-14-30, V-14-31, V-14-32 Limatorques	Found Stem Nuts damaged follow- ing inspection	Machined 3 new Stem Nuts to match Stems and repaired accordingly
V-20-41 Limatorque	Oil Leak from Limatorque	Installed new gasket
V-14-36 Limatorque Stem Nut	Found Stem Nut damaged follow- ing inspection	Machined new Stem Nut to match Stem and repaired accordingly
Condensate transfer pipe Condenser Bay	Pipe hangers loose	Adjusted hangars as required
V-28-24 Standby Gas	Valve failed to close completely	Air Operator removed, disassembled, cleaned, assembled and stroked. Valve operates OK
Auxiliary Clean-up Pump	Broken nipple on ccw line to pump	Installed new nipple
"B" Core Spray Pump	Vent valve leaking through when closed	Installed an expandable pipe plug in valve
CRD Accumulator 26-11	V-111 leaks through	Replaced valve with a rebuilt one
Fuel Pool Channel Handling Tool	Air line leak	Repaired air hose
Refueling bridge air hoist	Air line leak	Repaired air hose to hoist

December SUMMARY OF QASL Electrical MAINTENANCE

<u>EQUIPMENT</u>	<u>MALFUNCTION</u>	<u>CORRECTIVE ACTION</u>
1-7 Sump Isolation switch	Install new mounting bracket for 1-7 Sump Isolation switch	Installed new mounting bracket for 1-7 Sump Isolation switch. Switch tested satisfactory.
Emergency Isolation Condenser "A" vent valves	Actuating arm not working on V-14-20	Adjusted actuating arm on V-14-20. Cycled valve and received proper indication
Emergency Isolation Condenser Valve V-14-30	Check limit switches for proper adjustment	Adjusted limit switches on Valve V-14-30 according to Procedure 700.2.010
Reactor Building crane	Control will not come out of "bypass" position	Repaired limit switch. Placed back into service
Standby Gas Treatment System I	V-28-24 did not close after initiation of system	Changed solenoid on V-28-24. System tested satisfactory. Placed back in service
Emergency Isolation Condenser vent valves	Inspect vent valve for proper operation	Cleaned and adjusted limit switches and switch actuator. Rebuilt all solenoids and replaced one micro switch
Drywell Conduit	Properly secure conduit around all Electromatic Relief valve	Secured conduit in all areas requiring clamps or tightening
1-8 Sump	Low level alarm does not reset	Found debris to be impeding the low level alarm float. Cleaned up debris. Low level alarm test satisfactory.
Augment Off-Gas Building Water Removal System	Check timer for proper operation	Checked timer operation and adjusted timer for proper sequence. Placed back into service.
Emergency Isolation Condenser Valve V-14-30, V-14-31	Check valve operating currents	Checked running currents on Valve V-14-30 and V-14-31. Currents were within limitation of motors.

December SUMMARY OF QASL Electrical MAINTENANCE

[illegible]

DECEMBER SUMMARY OF QASL I&C MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Electromatic Relief Valve Monitor VMS-18 for NR-108B	Defective Monitor	Replaced unit with calibrated spare and satisfactorily performed surveillance test
Electromatic Relief Valve Pressure Switch 1A83A for NR-108A	Experienced instantaneous open/ closure of valve	Replaced defective Hi Pressure switch and satisfactorily performed surveillance
Containment spray temperature recorder	Incorrect chart speed	Replaced chart drive motor
Absorption Pool Hi-Hi temperature	Annunciator dimly lit	Replaced defective annunciator. Printed circuit board tested satisfactorily
Intermediate Range Monitors Nos. 15 and 16	Noise Problem	Replaced section of cable on No. 15 Repaired range switch connector on No. 16
Scram Solenoid Valve for Control Rod Drive 14-23	Upper SCRAM solenoid sticking	Rebuilt solenoid and tested satisfactorily
Reactor Protection Relay 2K76	Defective (smoking)	Replaced defective relay and tested satisfactorily
Radwaste building Radiation Monitor power failure alarm	Annunciator Alarms with no power failure	Replaced Readout Module RB-RI-011 and tested satisfactorily
Area Radiation Monitoring System (Rx building)	Upscale light not working	Replaced defective light bulb
Remote Reactor water level (Yarway)	Indicator sticking/hanging-up	Removed indicator adjusted/calibrated, Reinstalled and tested satisfactorily with local indicator

DECEMBER SUMMARY OF QASL I&C MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Condensate Transfer System	Broken press. gauge on discharge of 1-1 Transfer Pump	Repaired gauge and tested satisfactorily
Area Radiation Monitor Clean-up System Pump Area	Erratic operation	Calibrated sensor and converter, repaired cable connector.
Drywell ventilation Isolation Valve V-27-1	Defective relay 6K102 (partial isolation)	Replaced 6K102 relay and tested satisfactorily

REFUELING INFORMATION

Name of Facility: Oyster Creek Station #1

Scheduled date for next refueling shutdown: July 1, 1982

Scheduled date for restart following refueling: mid-1983

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 March 1, 1982.

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.