MONTHLY OPERATIONS SUMMARY

OCTOBER 1981

At the beginning of the reporting period, the Oyster Creek Nuclear Generating Station was shut down for repairs to the Shutdown Cooling System. Repairs to the Shutdown Cooling Heat Exchanger were completed on October 8.

Startup checks were completed on October 13 and a reactor startup was initiated on October 14, with the reactor critical at 2130. At 0240 on October 15, a Reactor SCRAM occurred when the mechanical vacuum pump was secured and the Steam Jet Air Ejectors failed to hold vacuum with the turbine in the warmup mode.

Upon completion of investigation and pre-startup checks, a reactor startup was initiated at 2320 on October 15 with the reactor critical at 0610 on October 16. Further difficulties in drawing a condenser vacuum required a shutdown for maintenance on the Steam Jet Air Ejector drain traps and the Off Gas System holdup pipe drain valve.

The reactor was again brought critical at 1837 on October 17 and the turbine-generator was placed on line at 0607 on October 18. At 2234 on October 19, a Reactor SCRAM occurred due to inadvertantly closing an MSIV during a 5% closure testing.

The subsequent reactor startup was initiated at 0606 on October 20 with criticality achieved at 0812. The turbine-generator was placed on line at 2016.

On October 21, at approximately 1350 a conduit failure resulted in the closure of Off Gas Hold Up pipe isolation valve V-7-31. In order to prevent a Reactor SCRAM on loss of vacuum and conduct a controlled shutdown the valve was opened using a jumper. The turbine-generator was taken off line at 1653. The reactor was made subcritical at 2102 and V-7-31 was closed.

Upon completion of conduit and cable repairs, reactor startup from hot standby was commenced at 0300 on October 22. The turbine-generator was placed on line at 0540. Full load was attained on October 24. On October 27, load was reduced to 92% to remove the Second Stage Reheaters from service to correct a steam leak on the manway.

After determining that the Reheater could not be isolated and depressurized and, after attempts to correct the steam leak proved unsuccessful, a shutdown was commenced. The turbine-generator was taken off line at 0612 on October 30 with the reactor subcritical at 0639.

At the end of the reporting period, the plant was maintained in the shutdown condition for maintenance.

There were five Reportable Occurrences identified during October:

R.O. 81-47 occurred on October 5 when D.G. #1 would not load above 2400 kw during surveillance testing.

R.O. 81-48 occurred on October 12 when Cleanup System valve V-16-2 failed to close while removing the Cleanup System from service.

R.O. 81-49 occurred on October 12 when the setpoints for switches IP15 A&C were found to have settings less conservative than Technical Specifications requirements during the Containment Spray Auto Actuation Surveillance Test.

R.O. 81-50 occurred on October 15 when Core Spray System I pressure switch RV-29 failed during system startup.

R.O. 81-52 occurred on October 21 when the TIP Isolation Valve for #2 TIP machine failed to close.

There were four occurrences identified during October which have been preliminarily identified as reportable.

On October 18 the setpoints for EMRV switches 1A83 D & E were found to have settings less conservative than Technical Specifications requirements during surveillance testing.

On October 21 the Off Gas Hold Up pipe isolation valve V-7-31 failed closed and the automatic closure feature was defeated to allow controlled reactor shutdown.

On October 28 switch RE23 D was found to have a setting less conservative than Technical Specifications requirements during the Low Pressure Main Steam Line Functional Test Surveillance.

On October 31 the Acoustic Monitors for Safety Valve 28C and EMRV 108B were found to be inoperable.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-219
UNIT NAME Oyster Creek
DATE November 12, 1981
COMPLETED BY J. B. Sklar
TELEPHONE 609-693-6013

REPORT MONTH October 1981

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
18	8-15-81	F	414:04	B	1	N/A	ZZ	ZZZZZ	Shutdown to correct condenser vacuum problems and increasing Drywell Unidentified Leak Rate prolonged by problems with the Shutdown Cooling System.
19	10-19-81	F	21:42	G	3	N/A	ZZ	ZZZZZ	Inadvertant closing of a MSIV during daily testing.
20	10-21-81	F	12:47	A	1	N/A	ZZ	ZZZZZ	Conduit carrying control cable for V-7-31 and the AOG Building dropped off the side of the Reactor Building and Technical Specifications required plant shutdown until repairs could be completed.

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

(9/77)

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... October 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	7295.0	103943.0
HOURS RX CRITICAL	325.4	4634.2	77064.8
RX RESERVE SHUTDOWN HRS.	0.0	0.0	468.2
HRS. GEN ON LINE	254.7	4343.2	75312.2
UT RESERVE SHUTDOWN HRS	0.0	0.0	0.0
GROSS THERMAL ENERGY	391110.0	6802250.0	126948730.5
GROSS ELEC ENERGY	131370.0	2189510.0	43117755.0
NET ELEC ENERGY	122910.0	2084980.0	41523638.0
UT SERVICE FACTOR	34.2	59.5	72.5
UT AVAILABILITY FACTOR	34.2	59.5	72.5
UT CAPACITY FACTOR MDC	26.6	46.1	65.8
UT CAPACITY FACTOR DER	25.4	44.0	61.5
FORCED OUTAGE FACTOR	65.8	31.0	8.5

THE NEXT SCHEDULED OUTAGE IS TO BEGIN ON APRIL 16, 1981

AVERAGE DAILY POWER LEVEL

DOCKET #..... 50-219
UNIT..... O. C. #1
REPORT DATE... November 12, 1981
COMPILED BY... J.B. SKLAR
TELEPHONE..... 609-693-6013

MONTH October 1981

DAY	MW	DAY	MW
1.	0.	17.	0.
2.	0.	18.	184.
3.	0.	19.	311.
4.	0.	20.	13.
5.	0.	21.	198.
6.	0.	22.	235.
7.	0.	23.	492.
8.	0.	24.	614.
9.	0.	25.	661.
10.	0.	26.	635.
11.	0.	27.	604.
12.	0.	28.	616.
13.	0.	29.	614.
14.	0.	30.	58.
15.	0.	31.	0.
16.	0.		

OCTOBER SUMMARY OF QASL MECHANICAL MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Core Spray System No. 1 51' elevation	Leaking nipple	Installed new nipple
Emergency Service Water Pumps C and D	Packing leaks	Adjusted packing
Fuel Pool Pump "A"	Check valve stuck open	Inspected, cleaned and checked ok
Reactor Building Closed Cooling Water Heat Exchangers	Vent valves required	Installed vent valves
Core Spray System No. 1 51' elevation	Slight flange leak	Tightened flange
Augmented Off Gas LCV-006B	Valve leaks through	Inspected and cleaned valve seats
Torus Vent Valve V-28-18	Air leak at Diaphragm	Tightened up fittings
V-28-47	Kink in air tubing	Installed new tubing
East Dry Well Equipment Drain Tank Pump	Cover on check valve leaking	Cleaned check - tightened cover
West Dry Well Equipment Drain Tank Pump	Seal line leak	Tightened tubing fitting

OCTOBER SUMMARY OF QASL MECHANICAL MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
"A" Shutdown Cooling Heat Exchanger	Tube leaks	Plugged leaking tubes
"B" Stack gas sample pump	Insufficient flow	Installed new pump
Emergency Service Water Crossover Intake Valve	Leaking through	Installed new bonnet and internals
CRD 18-39 Scram Inlet Valve	Leaking through	Installed new disc seat and gaskets
ISO Condenser Vent Valves	Packing leak	Adjusted packing
Reactor Building Surge Tank	Hi radiation in tank	Flushed out tank
"B" Shutdown Cooling System Outlet Valve V-17-56	Packing leak	Adjusted packing
Closed Cooling Water Valves Shutdown Cooling	Valve stems bad	Installed new valves
"A" CRD Pump	Vibration	Checked and adjusted alignment satisfactorily
Stand-by gas treatment System 1	Manway cover leaking	Installed new gasket and checked satisfactorily

OCTOBER SUMMARY OF QASL INSTRUMENT MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Number 2 stack gas monitor	Surveillance Discrepancy (Front Panel Test)	Calibrated
Scram Pilot Solenoid Valve 38-23	Solenoid Valve "Humming" Excessive noise	Tightened all fittings on pilot head assembly
Main Steam Line Radiation Monitors number 1 and 4	Surveillance Discrepancy (Front Panel Test)	Calibrated
Drywell Temperature Recorder	Chart not advancing	Replaced chart drive motor
Source Range Monitor No. 23 Drive Control Unit	Detector Assembly will not insert or retract automatically	Replaced drive unit with modified spare
Augmented Off Gas Building Flow Indication	Erractic flow with system off	Recalibrated electronic transmitter
System I Core Spray Main Discharge Pressure Switch	Switch did not reset when system was secured	Replaced switch with calibrated spare
Channel No. 2 Average Power Range Monitor	Surveillance Discrepancy (Front Panel Test)	Local Power Range Monitor Power supply calibrated
Isolation Relay 2K20	Defective "Smoking"	Replaced relay and tested satisfactorily
Monitor "A" for fuel zone level indicator	"A" level indicator appears to be out of calibration	Replaced defective analog unit (Tested Satisfactorily)

OCTOBER SUMMARY OF QASL INSTRUMENT MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Number 2 Traversing In-Core Probe Calibration System	Isolation Valve failed to close when detector returned to chamber shield	Replaced in-shield chamber switch
Area Radiation Monitoring System	Defective Power Supply	Replaced power supply with operational spare
Augumented Off Gas Building-HEPA Filter Alarm	Alarm will not reset	Replaced switch and calibrated same
Reactor Recirc Pump Low Differential Alarm	Alarm will not clear above low differential set point	Alarm unit calibrated

OCTOBER SUMMARY OF QASL ELECTRICAL MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
"B" Station battery	DC ground	Bad lamp at throw over panel Replaced lamp
Number 2 CRD Pump Breaker	Broken light socket	Repaired light socket
4160V "C" Bus under voltage Light socket	Broken light socket	Replaced socket
Diesel Generator Number 1	Not loading to 2750kw	Adjusted governor for 2750kw in peaking mode. Placed back in service
Diesel Generator Number 1	Spurious high engine temperature alarm	Found loose contact on relay ETSH Tighten contact. Tested properly
Core Spray System 1 Fill Pump	Continuous tripping	Repaired disconnecting stab at motor control center.
Core Spray	Improper fuses installed in valve Motor Control Center	Replaced fuses with QA fuses and tested system with Operations.
"C" by-pass-valve on recirculation (Reactor) pump	Valve will not open	Repaired auxiliary contact in control circuit Tested after repair
"B" Reactor recirculating discharge valve	Valve will not close	Auxiliary contact in control not working. Repaired and operated valve
Clean-up system valve V-16-2	Valve failed to close	Cleaned torque switch in valve Cycled valve after cleaning

OCTOBER SUMMARY OF QASL ELECTRICAL MAINTENANCE

EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Torus sample pump	Bad diaphragm	Replaced pump and placed back in service
Scram reset timer	Scram time relay failed and would not reset scram after required time	Replaced 2K TDl Relay. Tested and timed. Placed into service.
Main steam isolation valve NSO3A	Test solenoid appeared to be inoperative	Checked solenoid coil and working properly. Retest with push button and valve worked properly. Problem cleared after cycling valve fully closed.
Emergency Diesel Generator Number 1	Load variation in output kilowatt	Installed and calibrated new governor. Performed procedure 636.2.002. Fast start. Ran for one hour surveillance. Unit performed properly.
Off Gas System	Loss Valves V-7-31 and V-7-29 due to failure of cable and conduit.	Performed special procedure to restore V-7-31, V-7-29 off gas valves
Augmented Off Gas Control Cable Conduit	Failure of cable and conduit.	Performed special procedure 81-161 to repair cable and conduit
Clean-up System	V-16-14 control switch would not spring return.	Adjusted Switch. Working properly now.

Oyster Creek Station #1
Docket No. 50-219

REFUELING INFORMATION -

Name of Facility: Oyster Creek Station #1

Scheduled date for next refueling shutdown: April 16, 1982

Scheduled date for restart following refueling: October 15, 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 January 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 & 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.