

MONTHLY OPERATIONS SUMMARY

FEBRUARY 1982

The report period began with Oyster Creek Nuclear Generating Station shut down with maintenance in progress. On February 3, the 'B' 24 VDC Battery was repaired and returned to service. Emergency Diesel Generator #1 failed its operability test on February 7 due to governor problems. That same day leak rate testing of Main Steam Isolation Valves (MSIV's) was deemed unsatisfactory due to gross leakage past MSIV NS03A. On February 9, the testing was terminated and repairs initiated. On February 16, Fire Diesel #1 was taken out of service to replace a head gasket. It was returned to service seven days later. On February 27, the Auxiliary Cleanup Pump was removed from service to investigate excessive noise and vibration. The plant remained shut down for the remainder of the reporting period.

The following events were identified as Reportable Occurrences during February:

- On February 8 Three hydraulic snubbers failed functional testing.
- On February 10 Standby Gas Treatment System #1 exhaust fan EF 1-8 motor breaker tripped on overload during surveillance testing.
- On February 10 A deficiency was identified in the installation of and safety evaluation for the Fire Protection System Modification relating to the protection and assessment of safety-related system operation in the event of deluge system actuation.
- On February 10 It was identified that channel checks of Thermocouple Relief and Safety Valve Position Indicators were not performed as required by Technical Specifications.
- On February 15 Reactor Building to Torus Vacuum Breaker Valve V-26-18 failed to meet leak rate testing criteria because of improper installation.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY 1982

DOCKET NO. 50-219
 UNIT NAME Oyster Creek
 DATE March 8, 1982
 COMPLETED BY G. W. Young
 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
22	12/9/81	F	672	B	1	N/A	ZZ	ZZZZZ	Shutdown to 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

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... February 1982

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	672.0	1416.0	106824.0
HOURS RX CRITICAL	0.0	0.0	77976.4
RX RESERVE SHUTDOWN HRS.	0.0	0.0	468.2
HRS. GEN ON LINE	0.0	0.0	76210.1
UT RESERVE SHUTDOWN HRS	0.0	0.0	0.0
GROSS THERMAL ENERGY	0.0	0.0	128591030.5
GROSS ELEC ENERGY	0.0	0.0	43685975.0
NET ELEC ENERGY	0.0	0.0	42067438.0
UT SERVICE FACTOR	0.0	0.0	71.3
UT AVAILABILITY FACTOR	0.0	0.0	71.3
UT CAPACITY FACTOR MDC	0.0	0.0	64.8
UT CAPACITY FACTOR DER	0.0	0.0	60.6
FORCED OUTAGE FACTOR	100.0	100.0	10.5

THE STATION IS SCHEDULED TO STARTUP ON APRIL 1982
THE NEXT SCHEDULED OUTAGE IS PLANNED FOR JULY 1, 1982.

AVERAGE DAILY POWER LEVEL

DOCKET #..... 50-219
 UNIT..... O. C. #1
 REPORT DATE... March 10, 1982
 COMPILED BY... J.B. SKLAR
 TELEPHONE..... 609-693-6013

MONTH February 1982

DAY	MW	DAY	MW
1.	0.	17.	0.
2.	0.	18.	0.
3.	0.	19.	0.
4.	0.	20.	0.
5.	0.	21.	0.
6.	0.	22.	0.
7.	0.	23.	0.
8.	0.	24.	0.
9.	0.	25.	0.
10.	0.	26.	0.
11.	0.	27.	0.
12.	0.	28.	0.
13.	0.		
14.	0.		
15.	0.		
16.	0.		

February SUMMARY OF QASL Mechanical MAINTENANCE

<u>EQUIPMENT</u>	<u>MAIFUNCTION</u>	<u>CORRECTIVE ACTION</u>
Drywell Purge Valves V-27-3 and 4	Failed Leak Rate Test	Adjusted linkage - satisfactorily passed Leak Rate Test.
R B to Torus Vacuum Breaker V-26-17	Failed Leak Rate Test	Inspected - no problems. Determined V-26-18 was cause.
Fire Pond Pump	Packing leak	Adjusted packing.
Drywell Vent Valve V-27-1	Actuator arm bent	Removed threaded end (bent) fabricated new end.
Aux. Clean-up Pump	Packing leak on drain valve	Adjusted packing.
Aux. Clean-up Pump	Pump seized up	Pump disassembled and inspected. Pump completely rebuilt.
"A" Emerg. Service Water Pump	Low discharge pressure	Pump pulled and suction bells cleaned.
V-28-17, 18, and 47	Failed Leak Rate Test	Adjusted stroke - passed Leak Rate Test.
Torus to RX Building Vacuum Breaker Valve V-26-18	Failed Leak Rate Test	Inspected, adjusted stroke - passed Leak Rate Test.
#1 Diesel Generator	Oil Pump leaks	Installed rebuilt oil pump in system.

February SUMMARY OF QASL Mechanical MAINTENANCE

<u>EQUIPMENT</u>	<u>MALFUNCTION</u>	<u>CORRECTIVE ACTION</u>
A.C.F. Refrigeration Unit #3	Closed cooling water leak	Recrimped hose connections and lapped flared end on fittings, leak stopped.
#1 Diesel Generator	Fuel filter cover leak	Cover removed and new gasket installed.
"A" Control Rod Drive	Outboard bearing housing oil leak	Adjusted oiler and tightened fittings.
"C" and D Emerg. Service Water Pump	Packing leaks	Packing was removed and new packing installed.
1-1 Fire Pump	Discharge check valve leaks through	New seat ring installed in valve.
Control Rod Drive Pump Suction Strainers	Inspect and clean strainers as required.	Strainers removed, inspected, and cleaned. Found no problem with strainers.
Poison System V-19-36	Will not operate	Old packing removed, stuffing box cleaned, stem and bushing lubricated new packing installed and operated satisfactorily.
Containment Spray System	Hanger transmitter drain loose on line	Pipe hanger adjusted.
Fire System 23' Elevation Reactor Building	Pipe hanger disconnected	Reconnected pipe hanger.
Core Spray Valve V-20-41 Limitorque	Oil leak	Tightened cover on limitorque operator.

February SUMMARY OF QASL Mechanical MAINTENANCE

EQUIPMENT

MALFUNCTION

CORRECTIVE ACTION

"A" CRD Pump

Excessive vibration

Replaced complete rotating assembly. Performed total alignment.

"B" CRD Pump

Outboard bearing excessive vibration

Replaced thrust bearing and thrust limiter shims - Performed total alignment.

1-2 Fire Diesel

Head gasket leaking

Installed new head gasket.

Emergency Diesel #1

Unit tripped off line 20 minutes into surveillance

Tripped off due to low water level. Found radiator leaking. Mechanical Maintenance repaired radiator: Returned to service.

February SUMMARY OF QASL Instrument MAINTENANCE

<u>EQUIPMENT</u>	<u>MAIFUNCTION</u>	<u>CORRECTIVE ACTION</u>
Off Gas Radiation Monitors Channel 1 & 2	Excessive downscale dead time after test switch is released (Front Panel checks)	Replaced amplifier tubes #5886 - Front panel checks satisfactorily.
Fuel Pool Filter Flow Recorder	Recorder not responding to change in flow	Replaced recorder wiper assembly - operates satisfactorily.
Main Steam Line Radiation Re- corders A & B	Sluggish action and excessive dead band	Replaced defective capacitors C5 & C7 in re- corder amplifier. Calibration - checked satis- factorily.
Average Power Range Flow Bias "Off Normal" Alarm	Spurious alarms	Cleaned & burnished contacts on Relay 10K54, cycled 10K54 after mtce. for proper operation - results satisfactorily.
Intermediate Range Monitors Detector Position Rod Block Display	No indication on Rod Block "display" when detectors are not fully inserted	Cleaned & burnished contacts on Relay 10K3 - retested all IRM detector position for Rod Block display - checked satisfactorily.
Feedwater Level Selector Switch on 4F Panel	"B" level indication failed when switched from "A" to "B"	Replaced feedwater selector switch contact blocks - system checked for proper operation and indi- cation.
Main Steam Line Rad Monitor - No. 4	Broken Hi trip light socket	Replaced light socket and defective transistor - checked satisfactorily.

February SUMMARY OF QASL Electrical MAINTENANCE

<u>EQUIPMENT</u>	<u>MAIFUNCTION</u>	<u>CORRECTIVE ACTION</u>
Reactor Building Limitorque Valves on 23 Ft. & 51 Ft. Level	Inspect and seal conduit and junction boxes	Special sealing Procedure 81-81 was performed on all limitorque valves and junction boxes.
T.I.P. Drive	Replace circuit breakers for #3 and #4 T.I.P. Drives improperly installed	Correct breakers installed and tested satis- factorily.
4160V "C" Bus Grid Under Voltage Indication Light	Defective indicating light socket	Replaced light socket and placed back in ser- vice.
Reactor Building Limitorque Valves on 23 Ft. and 51 Ft. Level	Blown Control fuses	Wire shorted to operator cover after performing special sealing Procedure 81-81 - repaired, meggered, and verified control circuit operation. Cycled valve after test and returned to service.
Standby Gas Treatment System Valve V-28-24	V-28-24 has double indications	Replaced limit switch and adjusted for proper indication. Cycled valve to insure proper in- dication.
Reactor Protection System	Replace 6K46 relay in 11F panel in control room. Noisy relay.	Replaced relay 6K46 relay in 11F panel. Tested system after replacement.
V-28-17	No close indication	Adjusted close limit switch, cycled valve to insure proper indication.
24 Volt DC Instrument Batteries	24V DC Instrument Batteries B1 and B2 defective battery case	Replaced 24 DC Instrument Battery Banks B1 and B2. Did discharge test and recharged before installation. Put back in service with special Procedure 81-19.
Liquid Poison System #2	Squib valve indication meter not reading	Replaced indication meter and external shunt resistor. Placed back in service. Millilamps read correct.
Emergency Isolation Condenser Vent Valve V-14-1, V-14-19; V-14-5, V-14-20	No open indication	Adjusted air pressure to enable valve to operate properly. Cycled valve after air adjustment. Indication proper.

February SUMMARY OF QASL Electrical MAINTENANCE

[illegible]

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 May 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.