

MONTHLY OPERATIONS SUMMARY

July 1981

At the beginning of the reporting period, the Oyster Creek Nuclear Generating Station was increasing core thermal power after a low condenser vacuum SCRAM. The turbine was on line at 2126 on July 1. Power was increased until limited by condenser vacuum at 530 MW_e. On July 6, a temporary leak of short lived gases from a construction project installing ductwork from the roof of the New Radwaste Facility to Exhaust Fan 1-6 resulted in an unmonitored release to the environment. Corrective action was taken to terminate the release and a reactor shutdown was initiated. The reactor shutdown was terminated after 78 minutes. On July 15, a reactor shutdown was initiated when Reactor Building Exhaust Valve V-28-22 failed to close during a test of Standby Gas Treatment System II. The shutdown was terminated after 98 minutes when V-28-22 was manually closed and secured. On July 21, intake problems caused a temporary load reduction to 43%.

Throughout the reporting period, load varied between 50% and 72% depending upon intake temperature and its effect upon degraded condenser vacuum.

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

- R.O. 81-27 occurred on July 9 when the ball valve for #2 Traversing Incore Probe machine was inoperable.
- R.O. 81-28 occurred on July 6 when there was an unmonitored release to the environment of short lived gases from a construction project erecting ductwork connecting the New Radwaste Facility and Reactor Building Exhaust Fan 1-6.
- R.O. 81-29 occurred on July 13 when "B" Control Rod Drive Pump was out of service for corrective maintenance.
- R.O. 81-30 occurred on July 14 when Reactor Building Exhaust Valve V-28-22 failed to close during a test of SBTGS II.
- R.O. 81-31 occurred on July 16 when "B" EMRV was found inoperable due to a corroded shorting bar.
- R.O. 81-32 occurred on July 13 when the surveillance on the EMRV Acoustic Monitor and thermocouple was not performed as required.
- R.O. 81-33 occurred on July 24 when both Northwest Secondary Containment Doors were found to be open due to interlock failure.

- R.O. 81-34 occurred on July 22 when Peaking Factor limit was exceeded.
- R.O. 81-35 was identified on July 21 when a Fire Barrier in Panel 12XR was found to be non-functional due to an unplugged $\frac{1}{2}$ inch penetration.
- R.O. 81-36 occurred on July 30 when SBGTS #1 was out of service due to high differential pressure across the filter.
- R.O. 81-37 occurred on July 31 when the southeast torus room door was found open.

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 July 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) 400

REASON FOR RESTRICTION, IF ANY
DEGRADED CONDENSER VACUUM

	MONTH	YEAR	CUMULATIVE
HOURS IN PERIOD	744.0	5087.0	101735.0
HOURS RX CRITICAL	744.0	3967.1	76397.7
RX RESERVE SHUTDOWN HRS.	0.0	0.0	468.2
HRS. GEN ON LINE	722.5	3750.9	74719.9
UT RESERVE SHUTDOWN HRS.	0.0	0.0	0.0
GROSS THERMAL ENERGY	964800.0	5996440.0	126142920.5
GROSS ELEC ENERGY	286110.0	1938530.0	42866775.0
NET ELEC ENERGY	271620.0	1851040.0	41289698.0
UT SERVICE FACTOR	97.1	73.7	73.4
UT AVAILABILITY FACTOR	97.1	73.7	73.4
UT CAPACITY FACTOR MDC	58.9	58.7	66.9
UT CAPACITY FACTOR DER	56.2	56.0	62.4
FORCED OUTAGE FACTOR	2.9	8.2	6.7

THE NEXT SCHEDULED OUTAGE IS TO BEGIN ON FEBRUARY 12, 1981

AVERAGE DAILY POWER LEVEL

DOCKET # 50-219
UNIT O. C. #1
REPORT DATE August 20, 1981
COMPILED BY J. B. Sklar
TELEPHONE 609-693-6013

MONTH July 1981

DAY	MW	DAY	MW
1.	3.	17.	385.
2.	303.	18.	362.
3.	451.	19.	355.
4.	480.	20.	342.
5.	461.	21.	316.
6.	461.	22.	312.
7.	442.	23.	375.
8.	431.	24.	376.
9.	402.	25.	342.
10.	366.	26.	346.
11.	360.	27.	331.
12.	358.	28.	360.
13.	346.	29.	333.
14.	352.	30.	382.
15.	403.	31.	373.
16.	408.		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1981

DOCKET NO. 50-219
 UNIT NAME Oyster Creek #1
 DATE August 15, 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
N/A									

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

JULY SUMMARY OF QASL MECHANICAL MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
1-2 Diesel Generator	Lube oil circulating pump bearings noise	Replaced pump
Refueling Bridge	Main grapple Section hanging up	Straightened grapple for proper operation
"B" Control Rod Drive Pump	Seal water line union leaking	Tightened union to stop leak
Exhaust Fans 1-5, 6, 7	Cracks found in duct work	Repaired duct work temporarily with duct tape
"B" Control Rod Drive Pump Discharge Filter	High differential pressure	Replaced filter elements
Emergency Condenser Vent Valve V-14-19	Packing leak	Repacked valve
Emergency Condenser	Hydraulic snubber 9S/9 found leaking oil	Replaced snubber with a rebuilt unit - old one tested - operable
Fire Sprinkler	Head bracket broken near "B" Recirc MG str	Repaired bracket
Refuel Grapple Main Hoist	Cable in a degraded condition	Replaced with new cable
Core Spray Pump	NZ03D oiler malfunctioning	Replaced with new oiler
Torus Vent Valve V-28-18	Giving wrong indication in Control Room	Adjusted linkage arms to give proper indication
Emergency Condenser	Hydraulic snubber leaking on 75' elevation	Snubber was replaced with a rebuilt spare - old one tested - operable
CRD Hydraulic Control Unit 18-39	Leaking past seat SCRAM inlet valve	Rebuilt valve - operates satisfactorily

JULY SUMMARY OF QASL ELECTRICAL MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
A.O.G. "B" Recombiner Blower Motor	Wiring grounded	Repaired wiring on motor
Emergency Diesel #1	Wires at governor pump motor degraded	Repaired wiring on motor
C Battery HVAC	Low temperature alarm	Checked circuit, operating OK
V-21-9 Broken Control Switch	Broken control switch	Replaced key lock switch
Fire Diesel Battery	Failed to maintain proper specific gravity.	Replaced 1 battery on fire diesel #1, replaced batteries on diesel #2
Reactor Building Exhaust Valve V-28-22	V-28-22 will not isolate	Replaced plunger and solenoid
Reactor Building Air Lock 23' N/W	Plunger mechanism on outside door inoperable	Adjusted plunger and tightened screws
Refueling Crane	Hoist loaded light will not operate	Adjusted load cell
Control Room Conduit	Open conduit fire hazard	Installed R.T.V. foam in conduit

JULY SUMMARY OF QASL INSTRUMENT MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Intermediate Range Monitor Channel #17	Pre-Amplifier unit out of calibration	Calibrated Pre-Amplifier
Area Radiation Monitor (Shutdown Heat Exchanger)	Intermittant Alarm	Calibrated Sensor
Area Radiation Monitor (Radwaste Truck bay area)	Degraded connector	Connector maintenance required
Stand by Gas Treatment System I	System I failed to line up	Adjusted Pitot tube
Main Steam Line Radiation Monitors No. 3 and No. 4	Surveillance discrepancy	Calibrated monitors and performed maintenance on recorders
Local Power Range Monitors	Various problems with an assortment of detectors and amplifiers	Maintenance and calibration on various Local Power Range Monitor Amplifiers
Traversing In-Core Probe Calibration System	Position display not complete	Cleaned relay solenoid contacts
Intermediate Range Monitor Channel #17	Surveillance discrepancy	Calibrated Monitor
Event Recorder	Will not take up properly	Tightened drive gear on take up spool
Control Rod Drive 34-11 position indication	Rod No. 34-11 has no indication at position 18	Troubleshoot circuitry, outage job order initiated
Intermediate Range Monitor Channel #16	Surveillance discrepancy	Calibrated Monitor
Process Monitor Reactor Building closed Cooling Monitor	Recorder out of calibration	Calibrated Recorder

JULY SUMMARY OF QASL INSTRUMENT MAINTENANCE - Page 2

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Hydrogen Monitor (OB-14) (Auxiliary Off Gas Building	Intermittant Alarm	Replaced detector unit and calibrated
Intermediate Range Monitor Channel #16	Surveillance discrepancy	Calibrated Monitor
Standby Gas Treatment System No. I	Low Flow Alarm	Burnished Relay contacts
Auxiliary Off Gas Building	Hydrogen Monitor for HVAC upscale with no combustible gas present	Calibrated Monitor
Drywell/Torus oxygen analyzer recorder	Erratic operation	Repaired bushing and brush assembly, calibrated recorder
Control Rod Drive #18-39	Rod position shows green-green indication	Troubleshoot circuitry, found no problem with position indication. Valve leaking repaired by Maintenance Department
Intermediate Range Monitor Channel #16	Surveillance discrepancy	Calibrated Monitor and recorder
Drywell/Torus water temperature recorder	Erroneous HI temperature alarm	Tightened loose wire on thermocouple plug, cleaned recorder components
Drywell/Torus oxygen analyzer recorder	Torus Pen not tracking properly	Performed corrective maintenance
Main Steam Line Flow Sensor RE-22F	Reads approximately 7 PSI off other sensors	Calibrated sensor, trip point was in spec
Source Range Monitors No. 21 and 22	Front Panel discrepancy	Calibrated Monitors

REFUELING INFORMATION -

Name of Facility: Oyster Creek Station #1

Scheduled date for next refueling shutdown: February 12, 1982

Scheduled date for restart following refueling: August 13, 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 September 1, 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 & 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.