

MONTHLY OPERATIONS SUMMARY

MAY 1981

At the beginning of the reporting period, the Oyster Creek Nuclear Generating Station was shut down for a scheduled maintenance outage.

Preparations for startup were underway on May 24, but were delayed until May 28 due to instabilities in the electronics at the newly installed SCRAM Dump Volume Level Monitoring System. On May 28, at 0345, the reactor was critical. At 1648, a reactor SCRAM occurred due to low level in the reactor. After post-SCRAM analysis and pre-startup checks, the reactor was brought critical again at 0234 on May 29 and the turbine generator came on line at 2245. At the end of the reporting period, power was being increased as core limits allowed.

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

R.O. 81-20 occurred on May 1, 1981 when the level setpoint for the level transmitter for B Isolation Condenser was found to be lower than required by the Technical Specification requirements.

R.O. 81-22 occurred on May 20, 1981 when both doors of the Reactor Building airlock were found to be open.

POOR ORIGINAL

OPERATING STATUS

UNIT NAME...OYSTER CREEK

DOCKET NUMBER...50-219

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

REPORTING PERIOD... May 1981

LICENSED THERMAL POWER(MWT)...1950

NAMEPLATE RATING(GROSS MWE)...850

DESIGN ELECTRICAL RATING(NET MWE)...850

MAXIMUM DEPENDABLE CAPACITY(GROSS MWE)...850

MAXIMUM DEPENDABLE CAPACITY(NET MWE)...820

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	3623.0	100271.0
HOURS RX CRITICAL	82.5	2602.1	75032.7
RX RESERVE SHUTDOWN HRS.	0.0	0.0	460.2
HRS. GEN ON LINE	49.3	2424.8	73393.7
UT RESERVE SHUTDOWN HRS	0.0	0.0	0.0
GROSS THERMAL ENERGY	60440.0	4065840.0	124212320.5
GROSS ELEC ENERGY	17040.0	1341190.0	42269435.0
NET ELEC ENERGY	12290.0	1201940.0	40720598.0
UT SERVICE FACTOR	6.6	66.9	73.2
UT AVAILABILITY FACTOR	6.6	66.9	73.2
UT CAPACITY FACTOR MDC	2.7	57.1	67.0
UT CAPACITY FACTOR DER	2.5	54.4	62.6
UT DUTY FACTOR	0.0	7.4	0.7

NO OUTAGE IS SCHEDULED OVER THE NEXT SIX MONTHS

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AVERAGE DAILY POWER LEVEL

DOCKET #..... 50-219
 UNIT..... O. C. #1
 REPORT DATE... June 11, 1961
 COMPILED BY... J.D. SNLAK
 TELEPHONE..... 609-693-6013

MONTH May 1961

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.	29.	0.
14.	0.	30.	297.
15.	0.	31.	372.
16.	0.		

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY 1981

DOCKET NO. 50-219
 UNIT NAME Oyster Creek #1
 DATE June 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
16	4-17-81	S	694.7	B	1	N/A	22	22222	Scheduled shutdown for TMI lessons learned modifications and maintenance.

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

(11)

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MAY SUMMARY OF QASL INSTRUMENT MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Core Region Level Indication (Gould System)	Large discrepancy	Vendor replaced analog input module
Recirc. Pump A	Will not run up to maximum	Adjusted scoop tube linkage
Area Radiation Monitor RB-R1-004	Spurious alarms	Replaced detector assembly
NRW Ventilation Radiation Monitor	Particulate Filter not operating properly	Returned spring on ratchet assembly to original position
Reactor Feedwater Control Valve Snubbers and Positioners	Outage maintenance	Rebuilt snubber on A feedwater control valve
Drywell Humidity Detectors	Outage maintenance	Recoated dew cells on 1-2 and 1-4 recirculation fans
SRM Channel 25	Erratic operation	Reconnected loose connector
SRM Channel 23	Out of calibration	Calibrated after replacing 1 component
Containment Spray Temperature Recorder	Erratic operation	Tightened screw connection to relay power
Environs Monitoring Area Radiation Monitor	Monitor at Route 9 intake canal failed downscale	Calibrated monitor
EMRW D-Thermocouple Well	Nipple broken off inside well	Replaced nipple

MY SUMMARY OF QSL MECHANICAL MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
A.O.G. Recombiner B	Coolant level control valve leaks through	Removed particles from seat of valve
Clean-up Demineralizer Valves V-16-2, 13, 14, 61	Valve packing inadequate	Adjusted packing on V-16-2 & 61. Added & adjusted packing on V-16-13 & 14.
Containment Spray Heat Exchanger N.W.	Nipple to emergency service water leaking	Removed, inspected, & tightly reinstalled nipple
Core Spray Pipe Hanger NZ-2-H28	Loose nut	Tightened nut
Core Spray Valve V-20-15	Packing leak	Adjusted packing, removed drip bag
Core Spray Valve V-20-40	Packing leak	Adjusted packing, removed drip bag
C.R.D. Accumulator 06-31	Vent valve handwheel defective	Replaced handwheel
C.R.D. Accumulator 30-19	Leaking charging valve (111)	Replaced with a rebuilt valve
C.R.D. Valve V-15-18	Packing leak	Adjusted packing
C.R.D. Valve V-15-26	Packing leak	Adjusted packing
C.R.D. Valve Flanges - V-15-25 to V-15-26	Slight leak	Tightened flange bolts
C.R.D. Valve V-15-25	Packing leak	Adjusted packing
C.R.D. Valve V-15-21	Packing leak	Adjusted packing
C.R.D. Valve V-15-17	Packing leak	Adjusted packing

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<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
C.R.D. Pump E Discharge Valve (V-15-10)	Packing leak	Adjusted packing
C.R.D. Filter B	Hi filter delta P	Installed clean filters
C.R.D. Filter A	Hi filter delta P	Installed clean filters
C.R.D. Filter A	Hi filter delta P	Installed new filters
C.R.D. Pump B Recirculation Valve V-15-9	Stem binding	Stem straightened & reinstalled
C.R.D. Piping Support NC-4-H4	Nut & bolt missing	Installed a stud & 2 nuts
DG #1 Oil Level	Low	Added 1 drum (55 gal.) 2 engine
DG #2 Air Louver	Weld broken on one lower louver	Rewelded louver to actuating clip
EMRV C Main Valve	Seating surfaces require machining	Seat ring & seat surface machined
EMRV C Poppet	Requires machining	Machined as required
Emergency Condenser Valves V-14-6, 7, 8	Packing leak	Added two rings of teflon packing to each valve
Fire Protection Sprinkler Head-Monitor & Change Area	Leaking	Reinstalled sprinkler head after redoping threads
Fire Protection Hose Station by N.E. Airlock of 23' Elevation	Leaking valve V-9-245	Removed, applied new thread sealant, replaced valve
Liquid Poison Pump A	Packing gland loose	Adjusted packing gland
Liquid Poison Test Tank Flow Gage	Top flange leaking	Removed, cleaned, reinstalled
Main Steam Valve V-1-1044	Packing leaks	Adjusted packing

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Main Steam Valve V-1-12	Packing leaks	Removed old packing, installed 5 new 3/8" packing rings
Fdwtr. Check Valve V-2-74 Drain V-2-201	Valve defective	Replaced valve
NEV Ventilation Radiation Particulate Monitor	Capstan has one hot spot	Decorated hot spot
Recirculation Pump B Discharge Valve	Packing leak	Tightened packing gland
Recirculation Pump A Bypass Valve	Packing leak	Tightened packing gland
Recirculation Valve V-37-45	Packing leak	Adjusted packing
Recirculation Valve V-37-34 & 35	Packing leaks	Adjusted packings
Recirculation Valve V-37-46	Packing leaks	Adjusted packing
Recirculation Valve V-37-13	Packing leaks	Adjusted packing
Rotary Inverter	Flywheel shaft scored	Machined shaft, installed new coupling
Shutdown Cooling	Misc. Leaks 1. A pump seal line 2. A heat exchanger head 3. A heat exchanger discharge line	Head bolts were tightened, packing adjusted on V-17-55, 56, 57. "A" seal union tightened.
A&C Shutdown Cooling Pumps	Pac-lock drain boxes	Disconnected boxes and installed pipe plugs
Shutdown Cooling Valves V-17-1, 2, 3	Packing leaks	Adjusted packings

MY SUMMARY OF GASL MECHANICAL MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Standby Gas Treatment	Duct work leaks	Repaired all leaks
Core Spray Check Valves NZ02B&D	Air cylinder seals	Replaced B&D seals and repaired rod assembly on D
Torus Vent Valve V-28-18	No position indication	Position switch actuating arm repositioned
1-2 Service Water Pump	Defective	Lower section of pump replaced
NRV Vent. Radiation Monitor	Vacuum pump defective	Rebuilt & installed spare radiation monitor vacuum pump
Chemical Waste Demineralizer Resins ORW Temporary	Requires changeout	Completed demineralizer changeout replaced

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MAY SUMMARY OF QASL ELECTRICAL MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Reactor Bldg. N.E. Airlock	Both doors locked closed	Adjusted solenoid slug
Augmented Off Gas Recombiner A Inlet Valve	Solenoid defective	Replaced solenoid
Augmented Off Gas 10XF Acknowledge Switch	Switch button broken	Replaced switch button
Emergency Condensers Vent Valves V-14-1 & V-14-19	Failed to operate	Replaced relay 6K26
Instrument Air Isolation Valve	Position indication lamp sockets	Reinstalled lamp sockets
Recirculation Valve NQ02A	Will not open completely	Cycled valve 3 times to loosen tight packing
Torus Vent Valve V-28-17	Closed indicator lamp does not illuminate	Tightened loose screw on limit switch - adjusted switch
Diesel Generator #1 Standby Fuel Transfer Pump	Motor failed to operate	Adjusted starter switch, bench tested motor
Diesel Generator #2 Day Tank Low Level Alarm	Alarm comes in before pump starts	Found standby pump coming on before primary. Cleaned & adjusted primary starting switch.
DG #2 Starter Motor Wiring	Relay control wire at termination not acceptable	Cut back wire and installed new terminal
Fire Protection Relay CR2 (Panel 13R)	Chattering loudly when fire pumps run	Replaced relay

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MAY SUMMARY OF QASL ELECTRICAL MAINTENANCE

<u>Equipment</u>	<u>Malfunction</u>	<u>Corrective Action</u>
Cleanup Demin. Filter Precoat Inlet Valve ND30A	Valve does not operate	Replaced bad solenoid coil
Fuel Pool Cooling Pump "A"	Will not operate	Valved in suction pressure switch PSL
Core Spray V-20-15	No closed indication	Repaired socket 6D684 on panel 11F
Core Spray V-20-23	Indication wrong	Replaced and adjusted limit switches
Core Spray Valve N202B	Open limit switch out of adjustment	Adjusted open limit switch
Core Spray Valve N202D	Open limit switch out of adjustment	Adjusted open limit switch
Core Spray Valve V-20-26	Blown control power fuse	Meggered circuits, checked motor currents, replaced fuse

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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 June 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.
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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
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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.

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