AVERAGE DAILY POWER LEVEL

DOCKET #..... 50-219
UNIT..... O. C. #1
REPORT DATE... December 14, 1978
COMPILED BY... C.M. MCCLAIN
TELEPHONE..... 201-455-8748

MONTH November 1978

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.	0.
15.	0.		
16.	0.		

790205 0143

OPERATING DATA REPORT

OPERATING STATUS

UNIT NAME...OYSTER CREEK

DOCKET NUMBER...50-219

UTILITY DATA PREPARED BY...C.M. MCCLAIN 201-455-8748

REPORTING PERIOD... November 1978

LICENSED THERMAL POWER(MWT)...1930

NAMEPLATE RATING(GROSS MWE)...650

DESIGN ELECTRICAL RATING(NET MWE)...650

MAXIMUM DEPENDABLE CAPACITY(GROSS MWE)...650

MAXIMUN 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	720.0	8016.0	78360.0
HOURS RX CRITICAL	0.0	6105.4	60510.2
RX RESERVE SHUTDOWN HRS.	0.0	0.0	468.2
HRS. GEN ON LINE	0.0	6069.0	59340.3
UT RESERVE SHUTDOWN HRS	0.0	0.0	0.0
GROSS THERMAL ENERGY	0.0	10277193.6	99267730.9
GROSS ELEC ENERGY	0.0	3522180.0	33879515.0
NET ELEC ENERGY	0.0	3396123.0	32668231.0
UT SERVICE FACTOR	0.0	75.7	75.7
UT AVAILABILITY FACTOR	0.0	75.7	75.7
UT CAPACITY FACTOR MDC	0.0	68.3	69.2
CAPACITY FACTOR DER	0.0	65.2	64.1
FORCED OUTAGE FACTOR	0.0	2.0	5.2

THE STATION IS SCHEDULED TO STARTUP ON DECEMBER 9, 1978

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-219
UNIT NAME Oyster Creek #1
DATE December 14, 1978
COMPLETED BY C. M. McClain
TELEPHONE 201-455-8748

REPORT MONTH November 1978

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
8	780915	S	720	C	1	NA	ZZ	ZZZZZZ	Refueling/maintenance outage.

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)

OPERATIONS SUMMARY - NOVEMBER 1978

The unit remained shut down through the month for refueling and maintenance. A repair bracket assembly for Core Spray System II sparger was fabricated and installed under the provisions of 10CFR50.59. A Technical Specification change augmenting core spray sparger inspection and revising the Core Spray System II flow requirements was submitted to the NRC.

The new radwaste liquid/solids system continued in limited operation through the month. Modifications and maintenance to the major components of this system continues.

A successful primary containment leak rate test was completed on November 24, following repairs to several components. The initial attempt at this test resulted in a leak rate exceeding allowable limits.

A station evacuation drill was conducted on November 21, with State of New Jersey involvement.

At the end of this report period, preparations for reactor startup continue. The reactor and containment heads are installed and final surveillance testing is in progress. No. 1 diesel generator is out of service for repairs following failure of the loss of power diesel generator initiation test.

Six reportable occurrences were identified during the report period.

RO #78-26 occurred on November 21 when torus to reactor building vacuum breaker actuation switches DPS66A and DPS66B ruptured while pressurizing the containment for the integrated leak rate test. The switches were replaced with a switch rated for higher pressure.

RO #78-27 occurred on November 25. While performing routine surveillance of reactor high pressure scram switches, RE03C was found to trip 9 psi above the allowable trip point.

RO #78-28 occurred on November 29 when main steam line drain valve V-1-106 failed to close and two tip ball valves failed to close during the reactor low-low water level isolation surveillance test.

RO #78-29 was identified on November 30 and involves initial failure to meet acceptable primary containment leakage limits. Drywell vent valves V-27-1 and 2 and the isolation condenser vent valves exceeded allowable leakage.

RO #78-30 occurred on November 26 when containment spray pump "D" failed to start during routine surveillance testing.

RO #78-31 occurred on November 30 when No. 1 diesel generator failed to pick up load during simulated loss of power testing.

Oyster Creek Station #1
Docket No. 50-219

INSTRUMENT CORRECTIVE MAINTENANCE OF
QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
1	Primary Containment Isolation	V-24-29 did not close during testing	Replaced defective Relay 6K27 with new one
2	LPRM	20-41D, 20-17B, 04-17B, are inoperative	Replaced LPRM's
3	Rx Protection System	Faulty Relays in panel 6R and 7R	Replaced 1K1, 1K2, 2K1, 2K2, with new relays and checked for proper operation
4	LPRM	Faulty LPRM's 36-33A, 36-09A, 28-49A, 20-41C, 12-41C, 12-33D, 04-17D	Tightened compression fittings on detectors; disassembled, cleaned and reassembled
5	Rx sample line off "A" Recirc. V-24-29	Faulty Air Solenoid Valve	Replaced Air Solenoid Valve with a new model
6	Torus Level Indicator	Damaged Level Indicator	Replaced and Calibrated Indicator with new parts
7	Stack Gas Monitor	Cannot Clear Low Sample Flow Alarm	Adjusted Switches for Proper Operation
8	DWEDT Level Alarm	High Level Alarm is on continuously and will not clear	Exercised and Adjusted Switch for Proper Operation
9	IRM #18	Drive failed to withdraw or insert	Disassembled drive gear, inspected and reassembled. Operation checked satisfactory
10	"A" Isolation Condenser Pipe Break Alarm	Alarm coming in frequently	Cleaned contacts on Relays 6K3A2 6K5A
11	CRD Module 34-19	No Level Alarm	Flushed out Instrument Block and tested Level Switch. Satisfactory
12	HCU #46-19	Faulty Pressure Switch	Replaced pressure switch and adjusted to proper setpoint

INSTRUMENT CORRECTIVE MAINTENANCE OF
QASL ITEMS FOR MONTH OF NOVEMBER, 1978

Oyster Creek Station #1
Docket No. 50-219

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13	RWM-Output Buffer	Faulty "System Start" Push-button Switch will not bring System on the line	Cleaned Switch Mechanism and worked satisfactorily without hanging up
14	Rx Level Narrow Range Indicator	Indicator reads about one foot lower than recorder when selected to A or B	Replaced meter
15	"B" Service Water Pump Radwaste	Discharge Pressure Gage not working	Calibrated Gage and Tested Satisfactorily
16	Core Spray System	RE17A - Root Valve Stem appears bent	Replaced defective valve
17	CRD Position Indicator	CRD 34-31 Indicator Green-Green in all positions	Found short on Pin #22 to Ground from ER-28 (Cable Room). Replaced with new probe and test satisfactor
18	APRM Ch. 1 Flow Converter	Does not perform scram function	Replaced new K1A & K2A Contacts
19	"B" Stack Gas Monitor	Does not respond correctly to source	Detector does not fully seat in its shielded chamber due to plastic covering hanging upon metal tip. Pushed plastic covering back and reseated sensor.
20	Rx Protection System	System I MSL Break Mercury Switches Re-22A, Re-22B, Re-22E & Re-22F failed after MSL Hi Temp Switches in Trunnion Room were installed	Replaced mercroid switches in Re-22A, B, E, &F with new ones and calibrated
21	"A" Isolation Condenser Level Transmitter	Transmitter is not working properly	Flushed out transmitter and calibrated

INSTRUMENT CORRECTIVE MAINTENANCE OF QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
22	Old Radwaste - Waste Surge Tank Level	Level Indication went from 60% to 90%	Cleared lines of water and re-calibrated
23	NC30B	Difficult to regulate pressure below 70 psig	Checked calibration of I/p positioner and installed new filters
24	PS-1J29	Clean-up System Tripped	Replaced broken wire #368 on CB2 in Panel 3F and tested satisfactory
25	Service Water System	Malfunction in service water pressure indication in Control Room	Re-calibrated transmitter and tested satisfactory
26	1-1 & 1-3 Tip Drives	In-Shield switches failed to come on	Adjusted in-shield switches and tested, found satisfactory
27	(RN 05-E) Off-Gas Rad Mon. Ch. 1	Reset switch on drawer does not reset	Cleaned switch and performed front panel check-results satisfactory
28	SRM (Front Panel Test)	Ch. 21 surveillance discrepancy item	Adjusted setpoints to alarm at 10^5
29	SRM Channel 21	No high light on 4F when mode switch is in 10^5 position also SRM Hi Rod Block	Adjust setpoints to alarm at 10^5
30	Stack Gas Sample System	Mercoid switch for sample low flow alarm will not reset when alarm clears	Replaced with new switch
31	Stack Gas Monitoring System	Vacuum switch not working	Replaced with new switch
32	IRM Operability Check	Investigation found IRM #145 cable was pulled out of cable connector	Restored connector to normal and tested satisfactory
33	Main Steam Line Monitor #3	Received no downscale alarm during testing	Repaired as per Procedure 721.3.001

Oyster Creek Station #1
Docket No. 50-219

INSTRUMENT CORRECTIVE MAINTENANCE OF QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
34	Feedwater and condensate ΔP gauges	ΔP Gauges checked for calibration	Calibrated (6) bartons RV 45 A, B, C, D, E, F
35	"A" Isolation Condenser	Level Instrumentation checked for calibration	Calibrated level instrument per Procedure 112-1
36	B-CRD pumps	Faulty low suction pressure alarm	Cleaned contacts on relays RD 68 A&B
37	CRD position indicators	Correct Misc. problems as attached sheet to Job Order	Correction measures attached to Job Order 1130I
38	SRM/IRM	Outage Job RR-37	Replaced 11 SRM/IRM connectors with new ones
39	D. W. Monitoring	Install, connect and test D.W. (critically) monitors at top of bio-shield-north-side failed downscale	Replaced detector and installed new cable
40	Tip indexers and Tip Tubing	Outage Job RR-20	Inspected indexers, undervessel tip tubing

ELECTRICAL CORRECTIVE MAINTENANCE OF
QASL ITEMS FOR MONTH OF NOVEMBER, 1978

Oyster Creek Station #1
Docket No. 50-219

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
1	Containment Spray System Relay 6K22A, 6K22B	Relay malfunction	Replaced Relays 6K22A & 6K22B with new parts
2	Clean-up System	Relays Overheating	Replaced all VDC Relays on Clean-up System in 1F/2F Panel
3	Isolation Condenser	Relays Overheating	Replaced Relays with new parts
4	ND28B	B Clean-up Filter outlet valve will not open	Replaced Relay in "B" filter panel with new part
5	6K46 Panel 11F	Arching inside panel	Replaced 6K46 Relay with new part
6	D.W. Recirc. Fan 1-1	Inspection of Motor Bearings	Replaced motor with rebuilt motor
7	Clean-up System	Relays 6K18 & 6K24 malfunction	Replaced 6K18, 6K24, with new relays
8	"D" Rx Recirc. Pump	Discharge By-Pass Valve failed to open remotely	Cleaned Valve as necessary for proper operation
9	Primary Containment Isolation V-1-106	Valve did not close during Surveillance	Located and repaired a loose connection at the fuse block
10	Diesel Generator #1	Will not Unload	Replaced with new EG Box as per vendors manual
11	Rotary Inverter	Noisy DC Motor	Tightened metal cover over fly-wheel - motor satisfactory
12	Bottom Entry Instrumentation	Outage Job RR-21 Exchange BEI's	Pulled detectors from positions 44-41 B, C, D - 36-09 A, B, C, D - Installed new detectors in these positions.

Oyster Creek Station #1
Docket No. 50-219

MECHANICAL CORRECTIVE MAINTENANCE OF
QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
1	NC-30B	Valve does not stroke smoothly when air is applied to actuator	Rebuilt Valve
2	Control rod drive module 18-23	V-111 Valve leaking	Replaced V-111 valve with rebuilt valve
3	Control rod drive module 18-47	V-111 valve leaking	Replaced V-111 valve with rebuilt valve
4	Cleanup System Valves	Packing leak	Adjusted packing on V-16-13 and V-16-14
5	Rx Building 100 ton crane	Bridge Hydraulic brake cylinder leaking	Replaced brake shoes and cylinder with new parts
6	"B" CRD Pump	Excessive Vibration	Inspected pump and motor couplings and alignments; lubricated and checked vibration - satisfactory
7	CRD Accumulator 26-31	V-111 Valve leaking	Replaced with a rebuilt valve
8	V-20-26	Valve Packing Leak	Adjust Packing
9	Diesel Fire Pump 1-1	Leaking Coolant	Tightened Hose clamps on cooling system
10	#2 Service Water Pump	Pump discharge valve has sheared pin in actuator	Replaced with new valve operator yoke and lubricated internals
11	Condensate Tank Drain	Leaking	Welded plate over leak in floor
12	"B" Liquid Poison Pump	Build-up of borated water around pump	Tightened packing glands on both "A" & "B" Pumps
13	Drywell vent system	V-27-1, V-27-2 needs replacement valves	Replaced V-27-1, V-27-2, with new valves

MECHANICAL CORRECTIVE MAINTENANCE OF QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14	Isolation Cond. Vent Sys.	Leakage on V-14-2, V-14-6, V-12-1, V-14-19, V-14-5, V-14-20	Disassembled valves, lapped disc to seat and repacked valves. Leak test proved satisfactory
15	Torus/R.B. Vacuum Breaker Valve	V-26-15 Leaks	Ins alled new disc seat and "O" Ri
16	Emergency Service Water System	Corroded pipe supports & foundation bolting need replacing	Replaced pipe supports and bolting with new parts and coated with bitumastic
17	Core Spray Sparger	Sparger Crack - Needs Repair	Install fabricated clamp onto sparger according to special Procedure #78-111
18	C.U. System Demin Bypass Valve	Valve has a broken yoke	Repaired yoke by welding
19	1-6 and 1-7 sump transfer valve	Actuator will not move stem on valve	Corrected actuator to stem position-freed valve
20	Rx dryer/separator strong back	Engagement pins misaligned	Straightened bent plates and tested to 20,000 lb. load
21	Drywell Head	Remove & Replace Drywell Head Gaskets	Replaced with new gaskets
22	Isolation condenser valve V-14-37	Needs additional packing	Added 4 rings of packing to V-14-37 for satisfactory operation
23	Off-Gas valves V-7-1 thru 6	Inspect for damage	Disassembled, inspected, lubricated bushings and reassembled
24	Core Spray System I-V-20-27	Water Leaking past seat into torus	Disassembled valve, found seat loose and tack weld on disc broken. Repaired and reassembled.

MECHANICAL CORRECTIVE MAINTENANCE OF QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
25	Rx Building Ventilation System	V-28-21 and V-28-22 - malfunctioning	Rebuilt valve operator and installed new packing on V-28-22, V-28-21 inspected and found satisfactory
26	EMRV Actuator Solenoids	Guide pins are scored	Machined new guides and welded per Procedure 702.2.020
27	Core Spray II Fill Pump	Will not run	Replaced pump with new one
28	D.W. Sump Pumps	Pump Inoperable	Replaced with new pump
29	Service water pipe (intake canal)	Water pipe under intake needs repair	Repaired as per Procedure 78-107
30	NS03A	Air actuator needs to be rebuilt	Rebuilt air actuator as per Procedure 702.1.017
31	NS04A	Same as Item #30	Same as Item #30
32	CRD Rebuilding	Rebuilding of CRD's	Rebuilt as per Procedure 717.1.008
33	Control Rod Drives	Outage job RR-09 CRD Exchange	Exchanged 25 CRD's
34	Control Room Doors	Existing doors are not security/ fire doors	Replaced 3 existing doors with security/fire rated doors
35	Recirculation System D Discharge Valve	Outage Job RR-1 repack	Repacked D discharge valve as per Procedure 703.1.005
36	MSIV - NS04A	Outage Job RR-31	Removed and installed air actuator as per Procedure 702.1.014
37	MSIV - NS03A	Outage Job RR-31	Removed and installed air actuator as per Procedure 702.1.014

MECHANICAL CORRECTIVE MAINTENANCE OF QASL ITEMS FOR MONTH OF NOVEMBER, 1978

ITEM	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
38	CRD P.I.	Outage Job RR-35	Replaced 15 P.I. and repaired 3 cable connectors
39	Service water system and screen wash pumps	Outage Job RT-37A	Replaced service water pump 1-1 with new pump and motor
40	Emergency service water system	Corroded pipe supports and bolting needs replacement	Replaced corroded supports and bolting with new parts
41	MSIV - NS03A & NS04A	Outage Job RR-01	NS03A - Repaired poppet, replaced with new stem, repaired weld inside body guide rib. NS04A - Repaired poppet, replaced with new stem, replaced with new body seat
42	Electromatic relief valves	Outage Job RR-04 Inspection	Inspected A and E valve as per Procedure 702.1.007
43	Electromatic relief pilot valves	Outage Job RR-05 Inspection	Inspected EMRV pilot valves E, A, C, & D as per Procedure 702.1.007
44	Recirculating pump mechanical seals	Outage Job RR-12	Rebuilt and replaced B and C mechanical seal
45	Feedwater check valves	Outage Job RR-18	Inspected V-2-71, 72, 73, and 74 as per Procedure 728.1.004

Oyster Creek Station #1
Docket No. 50-219

REFUELING INFORMATION - NOVEMBER 1978

Name of facility: Oyster Creek Station #1

Scheduled date for next refueling shutdown: Began September 16, 1978

Scheduled date for restart following refueling: December 9, 1978

Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

No Technical Specification change relative to the refueling is anticipated. It has been determined that no unreviewed safety questions are associated with the reload core.

Scheduled date(s) for submitting proposed licensing action and supporting information:

No submittal is scheduled.

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:

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 - 620

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:

1,800

The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

The Fall 1986 Outage.