GPU Nuclear

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Writer's Direct Dial Number:

June 15, 1989

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Monthly Operating Report

In accordance with the Oyster Creek Nuclear Generating Station Operating License No. DPR-16, Appendix A, Section 6.9.1.C, enclosed are two (2) copies of the Monthly Operating Data (gray book information) for the Oyster Creek Nuclear Generating Station.

If you should have any questions, please contact Kathy Barnes, Oyster Creek Licensing at (609) 971-4390.

Very truly yours,

J. J. Barton for

E. E. Fitzpatrick
Vice President and Director
Oyster Creek

EEF:KB:dmd
(0841A:1)
Enclosures

cc: Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. William T. Russell, Administrator
Region I
U.S. Nuclear Regulatory Commission
475 Allendale Avenue
King of Prussia, PA 19406

Mr. Alexander W. Dromerick, Project Manager
U.S. Nuclear Regulatory Commission
Washington, DC 20555

NRC Resident Inspector
Oyster Creek Nuclear Generating Station

IE24
1/1

MONTHLY OPERATING REPORT - MAY 1989

At the beginning of the report period, Oyster Creek was shut down for the Cycle 12 Refueling Outage.

During startup on May 8, a torque switch on an isolation condenser isolation valve failed while the valve was cycled periodically during heatup, which resulted in a plant shutdown. Following repair, reactor startup commenced on May 9. The generator was placed on-line May 11 and full power was achieved on May 17.

On May 18, while at full power, a generator trip occurred leading to a reactor scram and actuation of the isolation condensers. The turbine/generator output breakers opened due to an over-excitation of the main generator while maintenance was being performed on control room instrumentation.

Following completion of root cause analysis of the plant trip and evaluation of the plant condition, reactor startup commenced on May 21. The generator was placed on-line May 22 and full power was achieved on May 24.

Maximum generator load was maintained for the balance of the report period except for brief power reductions to facilitate a control rod pattern change and to support turbine valve testing.

MONTHLY OPERATING REPORT MAY 1989

The following Licensee Event Reports were submitted during the month of May 1989:

LER 89-011: Manual Scram Due to Low Vacuum Condition Caused by Operator Error During Planned Shutdown

On April 22, 1989 at 1850 hours, the mechanical vacuum pump was placed into service in order to maintain condenser vacuum during a planned shutdown evolution. The equipment operator who placed the vacuum pump into service failed to properly align the seal water makeup supply. At 1935 hours a gradual decrease in the main condenser vacuum was noted. The rate of decrease in condenser vacuum prevented any significant attempts to correct the problem so the Group Shift Supervisor directed the operators to manually scram the reactor at 1945 hours. The cause of this occurrence is attributed to operator error. The operator failed to establish a complete valve lineup to the seal water makeup supply in accordance with the operating procedure. Starting the mechanical vacuum pump is a simple evolution but infrequently performed by individual operators. Operators are not required to have a procedure in hand when performing a simple or routine evolution. This contributed to the oversight by the operator. Without seal water makeup the mechanical vacuum pump operated properly until the seal water tank emptied which then caused a significant air leak to the main condensers. This caused the decrease in condenser vacuum which resulted in the reactor scram. The safety significance of this event is minimal because the reactor was at low power (approximately 2%) when the event occurred. To prevent a similar occurrence in the future, other infrequently performed evolutions that currently do not require a procedure in hand will be reviewed to determine if further guidance is warranted.

OPERATING DATA REPORT

OPERATING STATUS

1. DOCKET: 50-219
2. REPORTING PERIOD: 05/89
3. UTILITY CONTACT: HARI S. SHARMA 609-971-4638
4. LICENSED THERMAL POWER (MWt): 1930
5. NAMEPLATE RATING (GROSS MWe): 687.5 X 0.8 = 550
6. DESIGN ELECTRICAL RATING (NET MWe): 650
7. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe): 642
8. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 620
9. IF CHANGES OCCUR ABOVE SINCE LAST REPORT, GIVE REASONS:
   NONE
10. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe): NONE
11. REASON FOR RESTRICTION, IF ANY: NONE

		MONTH	YEAR	CUMULATIVE
12.	REPORT PERIOD HRS	744.0	3623.0	170399.0
13.	HOURS RX CRITICAL	472.6	556.6	106802.0
14.	RX RESERVE SHTDWN HRS	0.0	0.0	918.2
15.	HRS GENERATOR ON-LINE	403.6	417.3	103960.8
16.	UT RESERVE SHTDWN HRS	0.0	0.0	1208.6
17.	GROSS THERM ENER (MWH)	690500	704870	174225759
18.	GROSS ELEC ENER (MWH)	226810	228840	58833024
19.	NET ELEC ENER (MWH)	215742	200739	56460607
20.	UT SERVICE FACTOR	54.2	11.5	61.0
21.	UT AVAIL FACTOR	54.2	11.5	61.7
22.	UT CAP FACTOR (MDC NET)	46.8	8.9	53.4
23.	UT CAP FACTOR (DER NET)	44.6	8.5	51.0
24.	UT FORCED OUTAGE RATE	18.5	18.0	11.6
25.	FORCED OUTAGE HRS	91.8	91.8	13602.5

26. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, DURATION):
    None
27. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP TIME: N/A

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AVERAGE DAILY POWER LEVEL
NET MWe

DOCKET #. 50219
UNIT. . . . . .OYSTER CREEK #1
REPORT DATE . . . . . .June 2, 1989
COMPILED BY . . . . . .HARI S. SHARMA
TELEPHONE # 609-971-4638

MONTH MAY, 1989

DAY	MW	DAY	MW
1.	0	17.	631
2.	0	18.	287
3.	0	19.	0
4.	0	20.	0
5.	0	21.	0
6.	0	22.	153
7.	0	23.	463
8.	0	24.	606
9.	0	25.	619
10.	0	26.	613
11.	108	27.	611
12.	334	28.	626
13.	357	29.	625
14.	569	30.	620
15.	607	31.	621
16.	628		

1619B/0045X

Oyster Creek Station #1
Docket No. 50-219

REFUELING INFORMATION - MAY, 1989

Name of Facility: Oyster Creek Station #1

Scheduled date for next refueling shutdown: January 11, 1991 pending necessary state approval.

Scheduled date for restart following refueling: April 13, 1991

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

Yes

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

July 15, 1990

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.

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	= 1595
	(c)	in dry storage	= 37

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 licensed capacity: 2600

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

Reracking of the fuel pool is in progress. Nine (9) out of ten (10) racks have been installed to date. When reracking is completed, discharge capacity to the spent fuel pool will be available until 1994 refueling outage.

1619B/0045X

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-219
UNIT NAME OYSTER CREEK
DATE JUNE 1989
COMPLETED BY R. Baran
TELEPHONE 971-4640

REPORT MONTH MAY, 1989

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
72	3/28/89	F	1044.8	A	1	Core Spray System I pipe repairs completed. A plant start-up commenced 5/8/89. Due to a torque switch problem with 'B' Isolation Condenser condensate return valve V-14-35, the reactor was shutdown again. The generator was never placed on the line. A plant start-up recommenced 5/9/89 and the generator was placed on the line 5/11/89.
73	5/18/89	F	31.8	G	3	Anticipatory Turbine Trip/Reactor scram from full power due to over-excitation of the main generator.

SUMMARY:

(1) REASON
- A: Equipment Failure (Explain)
- B: Maint. or Test
- C: Refueling
- D: Regulatory Restriction
- E: Operator Training & License Examination
- F: Administrative
- G: Operational Error (Explain)
- H: Other (Explain)

(2) METHOD
- 1: Manual
- 2: Manual Scram
- 3: Automatic Scram
- 4: Other (Explain)