

**Nuclear**

**GPU Nuclear Corporation**  
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April 16, 1990

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

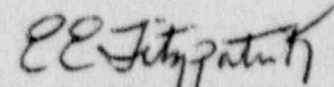
Dear Sir:

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 Brenda DeMerchant,  
Oyster Creek Licensing at (609) 971-4642.

Very truly yours,



E. E. Fitzpatrick  
Vice President and Director  
Oyster Creek

EEF:KFB:dmd  
(MOR)  
Enclosures

cc: 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

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MONTHLY OPERATING REPORT - MARCH 1990

At the beginning of the report period, Oyster Creek was operating at a gross generator load of 656 MWe.

Commencing on March 9, the plant began experiencing condenser vacuum abnormalities. In accordance with procedure, plant load was reduced to approximately 50% to stabilize vacuum and to determine potential causes. An outage plan was developed and plant shutdown commenced on March 26 to effect repairs. The plant remained out of service for the remainder of the report period.

MONTHLY OPERATING REPORT MARCH, 1990

The following Licensee Event Report was submitted during the month of March, 1990:

LER 90-04      MANUAL RX SCRAM INITIATED DUE TO SPURIOUS ACTUATION OF ALTERNATE  
ROD INJECTION SYSTEM RESULTING FROM PERSONNEL ERROR IN OPERATING  
HAND-HELD RADIOS IN RESTRICTED AREA

On February 20, 1990, while performing a surveillance on a reactor vessel level instrument, an Instrument & Controls (I&C) technician keyed a hand-held radio near the analog trip units for the Alternate Rod Injection (ARI) System causing the system to actuate due to radio frequency interference (RFI). Control room operators noted that air operated valves supplied from the Scram Air System were repositioning and that control rods were drifting into the core. The operators initiated a manual reactor scram as required by procedure due to the drifting control rods. The cause of this occurrence has been attributed to personnel error by the technician performing the surveillance procedure. The access door to the area where the ARI System components are located is well marked with reference to the restriction on the use of radios in the area. This event is determined to have minimal safety significance because a manual scram was initiated by the operators within 5 seconds of rod movement. Chemistry samples indicate that no fuel damage resulted from this event. The use of radios by I&C technicians must now be approved by the technician's supervisor. Appropriate site personnel will receive training on this event and an investigation will be conducted into minimizing the ARI System's sensitivity to RFI.

# OPERATING DATA REPORT

## OPERATING STATUS

1. DOCKET: 50-219
2. REPORTING PERIOD: 03/90
3. UTILITY CONTACT: JEFF YEAGER 609-971-4585
4. LICENSED THERMAL POWER (MWt): 1930
5. NAMEPLATE RATING (GROSS MWe):  $687.5 \times 0.8 = 550$
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): March 9 to March 27  
limited to 325 MWe Net
11. REASON FOR RESTRICTION, IF ANY: Condenser Vacuum Abnormalities

	<u>MONTH</u>	<u>YEAR</u>	<u>CUMULATIVE</u>
12. REPORT PERIOD HRS	744.0	2160.0	177696.0
13. HOURS RX CRITICAL	628.8	1780.7	113041.3
14. RX RESERVE SHTDWN HRS	0.0	0.0	918.2
15. HRS GENERATOR ON-LINE	623.6	1730.2	109962.0
16. UT RESERVE SHTDWN HRS	0.0	0.0	1208.6
17. GROSS THERM ENER (MWH)	841300	2839100	184112159
18. GROSS ELEC ENER (MWH)	266800	936390	62059130
19. NET ELEC ENER (MWH)	254407	897119	59552097
20. UT SERVICE FACTOR	83.8	80.1	61.9
21. UT AVAIL FACTOR	83.8	80.1	62.6
22. UT CAP FACTOR (MDC NET)	55.2	67.0	54.1
23. UT CAP FACTOR (DER NET)	52.6	63.9	51.6
24. UT FORCED OUTAGE RATE	0.0	2.8	11.6
25. FORCED OUTAGE HRS	0.0	49.1	14459.2
26. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, DURATION):	NONE		
27. IF CURRENTLY SHUTDOWN ESTIMATED STARTUP TIME:	April 3, 1990		



AVERAGE DAILY POWER LEVEL  
NET MWe

DOCKET # . . . . .50219  
UNIT. . . . .OYSTER CREEK #1  
REPORT DATE . . . . .APRIL 3, 1990  
COMPILED BY . . . . .JEFF YEAGER  
TELEPHONE # . . . . .609-971-4585

MONTH            MARCH, 1990

<u>DAY</u>	<u>MW</u>	<u>DAY</u>	<u>MW</u>
1.	634	17.	304
2.	633	18.	306
3.	635	19.	248
4.	635	20.	292
5.	634	21.	307
6.	635	22.	304
7.	634	23.	303
8.	633	24.	305
9.	582	25.	307
10.	358	26.	292
11.	238	27.	0
12.	256	28.	0
13.	258	29.	0
14.	276	30.	0
15.	314	31.	0
16.	306		

REFUELING INFORMATION - MARCH, 1990

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: May 19, 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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-219  
 UNIT NAME Oyster Creek  
 DATE April, 1990  
 COMPLETED BY R. Beran  
 TELEPHONE 971-4640

REPORT MONTH MARCH 1990

NO.	DATE	TYPE F: Forced S: Scheduled	DURATION (Hours)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
97	3/9	F	410.4	A	1	Load reduction to 57% Rx Power due to vacuum problems
98	3/26	S	120.4	B	1	12-U-J Maintenance Outage

## SUMMARY:

## (1) REASON

- A. Equipment Failure (Explain)
- B. Maintenance or Test
- C. Refueling
- D. Regulatory Restriction

- E. Operator Training & License Exam
- F. Administrative
- G. Operational Error (Explain)
- H. Other (Explain)

## (2) METHOD

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