OYSTER CREEK **NUCLEAR GENERATING STATION**

JCP&L / GPU

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(609) 693-1951 P.O. BOX 388 • FORKED RIVER • NEW JERSEY • 08731

September 25, 1980

Mr. Boyce H. Grier, Director
Office of Inspection and Enforcement
Region I
United States Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

SUBJECT: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Nonroutine Environmental Operating Report No. 50-219/80-8

This letter forwards two copies of Nonroutine Environmental Operating Report No. 50-219/80-8 in compliance with paragraph 5.6.2 of Appendix B to the Technical Specifications.

Very truly yours,

Ivan R. Finfrock, Jr.
Vice President-Generation

IRF:dh
Enclosures

cc: Director (17 copies)
Office of Nuclear Reactor Regulations
United States Nuclear Regulatory Commission
Washington, D. C. 20555

c/o Distribution Services Branch, DDC, ADM

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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Nonroutine Environmental Operating Report No. 50-219/80-8

Report Date

September 25, 1980

Occurrence Date

September 10, 1980

Identification of Occurrence

Exceeding a limiting condition as defined in the Environmental Technical Specification, Paragraph 2.1.4.1, when a second dilution pump was not placed into operation with the water temperature in Oyster Creek as measured at the U.S. Route #9 bridge exceeding 87.0°F for a period greater than two hours and fifteen minutes. Each event was immediately identified at the time of non-compliance.

This event is considered to be a nonroutine environmental operating report as defined in the Technical Specifications, Appendix "B", paragraph 5.6.2.

Conditions Prior to Occurrence

Steady State Power

Dilution Pump Flow:	2.60 E5	GPM
Circulating Water Pump Flow	4.60 E5	GPM

Description of Occurrence

Prior to the non-complying discharges, dilution pumps 1-1 and 1-2 were in operation, dilution pump 1-3 was out of service due to maintenance. Dilution pump #1-1 was removed from service at 0925 on 9/10/80 due to a suspected fire in the pump motor. Further investigation determined that the inboard motor bearing had overheated and been damaged. During the next eight days, five non-complying discharges were identified. These non-compliances occurred as a result of having only one dilution pump in operation while the discharge canal temperature, as measured at the U.S. Route #9 bridge, was 87.0°F or greater for a period exceeding two hours and fifteen minutes. In all five cases, while the plant was in a steady state power condition, the US Route #9 bridge temperature paralled the plant intake temperature. The bridge temperature oscillated as a function of atmospheric conditions with the mean temperature approximately 87°F during the entire period of time. The maximum temperature reached during this period of time was 91.7°F.

The accompanying table lists the dates and the times of the non-complying discharges.

Beginning of Non-Compliance	End of Non-Compliance	Total time of Non-Compliance
September 10, 1980 at 1700	September 11, 1980 at 0115	8 hours 15 minutes
September 11, 1980 at 2130	September 12, 1980 at 0400	6 hours 30 minutes
September 13, 1980 at 0600	September 15, 1980 at 1830	60 hours 30 minutes
September 17, 1980 at 2000	September 17, 1980 at 2145	1 hour 45 minutes
September 18, 1980 at 0115	September 18, 1980 at 0145	30 minutes

Apparent Cause of Occurrence

Insufficient Pump Quota

Analysis of Occurrence

The operation of two dilution pumps is required when the discharge water temperature, as measured at the U.S. Route #9 bridge, exceeds 87.0°F. Operation of the dilution pumps in the prescribed manner will minimize adverse biological effects on most species of fish. In each case of a non-complying discharge, no harmful marine biological effects were expected or observed.

Corrective Action

Dilution pump motor 1-2 was shipped offsite on September 4, 1980, to investigate and repair an excessive vibration problem. This motor was returned on site on September 15, 1980 repaired. The installation of the rebuilt motor on Dilution pump 1-3 began on September 15, 1980, and was completed on September 18, 1980. Dilution pump 1-3 was available for operation at 1700 on September 19, 1980.

The damaged bearings from dilution pump motor 1-1 were removed and shipped offsite on September 15, 1980. These bearings will be babbitted, machined, and returned to the site shortly. When this motor is repaired and returned to service, it will render all three dilution pumps operable.