

LER
(ENVIRONMENTAL)

OYSTER CREEK



NUCLEAR GENERATING STATION

JCP&L GPU

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August 11, 1981

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. 50-219/81-2

This letter forwards two copies of Nonroutine Environmental Operating Report No. 50-219/81-2 in compliance with paragraph 5.6.2 of Appendix B to the Technical Specifications.

Very truly yours,

J. T. Carroll, Jr.
J. T. Carroll, Jr.
Acting Director Oyster Creek

JTC:dh
Enclosures

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

Director
NRC Resident Inspector (1)
Oyster Creek Nuclear Generating Station
Forked River, N. J.

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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Nonroutine Environmental Operating Report No. 50-219/81-2

Report Date

August 11, 1981

Occurrence Date

July 29, 1981

Identification of Occurrence

Paragraph 2.1.4.3 of the Environmental Technical Specification. An insufficient number of dilution pumps were operating to comply with paragraph 2.1.4.1 of the Environmental Technical Specification. Less than two dilution pumps were operating for a period of 26 minutes, and water temperature at the U.S. Route 9 bridge exceeded 87°F during this period.

This event is considered to be a Non-Routine Environmental Report as defined in the Technical Specifications, Appendix "B", Paragraph 5.6.2.

Conditions Prior to Occurrence

Steady State Power

Dilution Pump Flow 5.20 x 10⁵ GPM

Circulating Water
Pump Flow 4.60 x 10⁵ GPM

Prior to the occurrence, the ambient water temperature in the intake canal was 80.8°F. The condenser discharge water temperature was 96.5°F and the U.S. Route 9 Discharge Bridge temperature was 87.7°F.

Description of Occurrence

Dilution pump 1-1 is inoperative because of a motor malfunction. At 1512 hours, dilution pump 1-3 tripped off, leaving only dilution pump 1-2 in operation. At 1538 hours, dilution pump 1-3 was returned to service. At 1539 hours, dilution pump 1-2 tripped off and was returned to service at 1546 hours. Water temperatures exceeded 87°F at the U.S. Route 9 Bridge at Oyster Creek from 1515-1545 hours.

Analysis of Occurrence

Dilution pump 1-3 tripped off at 1512 hours and returned to service at 1538 hours. Dilution pump 1-2 tripped off at 1539 hours and returned to service at 1546 hours. Dilution pump 1-1 was not in operation on July 29, 1981. Water temperatures exceeded 87°F at the U.S. Route 9 Bridge during this occurrence, but no adverse biological effects accompanied the elevated water temperatures.

Analysis of Occurrence (Cont'd)

Continuous operation of up to two dilution pumps is specified to maintain water temperatures below 87°F at the U.S. Route 9 Bridge at Oyster Creek. The objective of this operation is to minimize the occurrence of adverse biological effects in Oyster Creek and contiguous water.

Corrective Action

Immediate corrective action involved restarting dilution pumps 1-3 and 1-2. Engineering is now finalizing proposals to upgrade the dilution pump cooling and seal water systems.