

Initial Telephone
Report Date: June 16, 1980

Dates of Occurrence: November 25, 1979 and
November 26, 1979

Written
Report Date: July 29, 1980

Time of Occurrence: 2316 to 0903

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Non-Routine Environmental Operating Report
Report No. 50-219/80-2

IDENTIFICATION
OF OCCURRENCE:

Exceeding a limiting condition as defined in the Environmental Technical Specifications, Paragraph 2.1.4.2. when less than two dilution pumps were operating for a period of 9 hours and 47 minutes, while the ambient water temperature was less than 60.0 F. This event was discovered during a routine inhouse Quality Assurance Audit held on June 12, 1980, and confirmed as a non-compliance by the plant staff on June 17, 1980.

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

CONDITIONS PRIOR
TO OCCURRENCE:

<input type="checkbox"/>	Steady State Power	<input type="checkbox"/>	Routine Shutdown
<input type="checkbox"/>	Hot Standby	<input type="checkbox"/>	Operation
<input type="checkbox"/>	Cold Shutdown	<input type="checkbox"/>	Load Changes During
<input type="checkbox"/>	Refueling Shutdown	<input type="checkbox"/>	Routine Power Operation
<input checked="" type="checkbox"/>	Routine Startup	<input type="checkbox"/>	Other (Specify)
<input type="checkbox"/>	Operation		

Dilution Pump Flow: 2.60 E 5 GPM
Circulation Water Pump
Flow: 4.60 E 5 GPM

Prior to the occurrence, the ambient water temperature in the intake canal was 56.1 F. The condenser discharge temperature and the US Route #9 discharge bridge temperature was 57.5 F and 58.8 F respectively.

DESCRIPTION
OF OCCURRENCE:

A reactor scram occurred at 1703 on November 23, 1979. At the time of the scram the intake water temperature was 56.9 F and Dilution Pumps 1-1 and 1-2 were in operation. Both dilution pumps were shut down 127 minutes following the scram. Reactor startup commenced on November 25, 1979 with the reactor achieving criticality at 0553. Dilution Pump 1-1 had been started at 0056 the same date. At 2316 on November 25, 1979, the reactor mode switch was placed in the run mode at a power level of approximately 19 MW thermal. At 0903 on November 26, 1979, Dilution Pump 1-2 was started. During the operating

period from 2316 on November 25, 1979, to 0903 on November 26, 1979, the intake temperature did not rise above 56.1 F. For 9 hours and 47 minutes, only one dilution pump was in operation while the intake water temperature was below 60.0 F.

APPARENT CAUSE
OF OCCURRENCE:

<input type="checkbox"/>	Design	<input checked="" type="checkbox"/>	Procedure
<input type="checkbox"/>	Manufacture	<input type="checkbox"/>	Unusual Service Condition
<input type="checkbox"/>	Installation/ Construction	<input type="checkbox"/>	Inc. Environmental Component Failure
<input type="checkbox"/>	Operator	<input type="checkbox"/>	Other (Specify)

Plant procedures did not include provisions governing dilution pump operation during reactor startup.

ANALYSIS OF
OCCURRENCE:

Continuous operation of two dilution pumps when the intake water temperature is below 60.0 F during plant operation will reduce attraction of fish from accumulating and building up in the discharge canal. Proper pump operation will encourage fish to migrate south rather than remain in the discharge canal during the winter.

At the time the second dilution pump was started, the reactor power level was only 32% of rated power. The corresponding intake, discharge, and discharge bridge temperatures were 56.3 F, 61.6 F, and 61.1 F. Failure to operate the dilution pumps in accordance with Technical Specification 2.1.4.2 had minimal, if any, adverse biological effects on aquatic organisms.

CORRECTIVE
ACTION:

Plant reactor startup procedures will be revised to incorporate criteria governing dilution pump operation as per Technical Specification, Appendix "B", Section 2.1.4.

FAILURE DATA:

Not Applicable.

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Date: 7-29-80

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Date: 7-29-80