

To:

James P. O'Reilly
Directorate of Regulatory Operations
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

From:

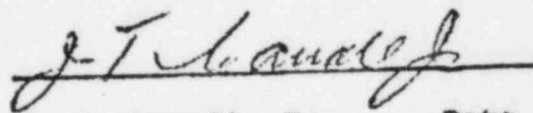
Jersey Central Power & Light Company
Oyster Creek Nuclear Generating Station
Docket #50-219
Forked River, New Jersey 08731

Subject:

Abnormal Occurrence Report No. 50-219/75/02

The following is a preliminary report being submitted
in compliance with the Technical Specifications,
paragraph 6.6.2.

Preliminary Approval:


J. T. Carroll, Jr. Date

cc: Mr. A. Giambusso

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PDR ADOCK 05000219
S PDR

REGULATORY OPERATIONS
FILE COPY

Initial Telephone

Report Date: February 7, 1975

Date of

Occurrence: February 6, 1975

Initial Written

Report Date: February 7, 1975

Time of

Occurrence: 14:30

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence

Report No. 50-219/75/ 2

IDENTIFICATION
OF OCCURRENCE:

Violation of the Technical Specifications, paragraph N/A,

Approximately four thousand gallons of condensate was inadvertently released to the discharge canal in an uncontrolled manner.

This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15C.

CONDITIONS PRIOR
TO OCCURRENCE:

☐ Steady State Power
☐ Hot Standby
☐ Cold Shutdown
☐ Refueling Shutdown
☐ Routine Startup
☐ Operation

☐ Routine Shutdown
☐ Operation
☐ Load Changes During
☐ Routine Power Operation
☒ Other (Specify)
Reactor mode switch in refue
Reactor coolant temp = 150°F

DESCRIPTION
OF OCCURRENCE:

On February 5th at approximately 11:00 hours, the hotwell of "B" condenser was flooded in order to search for tube leaks in the North and South water boxes. As part of this operation, it is required to drain the water boxes in preparation for personnel access. This is accomplished by "cracking" the backwash discharge valves (one per water box) and opening the water box vent valves. The backwash discharge valves were not returned to the closed position prior to flooding the hotwells. Because of unexpected tube leakage, the condensate in the hotwell flowed into the water boxes and out the backwash valves to the discharge tunnel at an estimated rate of 3 GPM. This condition existed until approximately 09:30 on the following day, at which time maintenance personnel entered the north side water box to search for tube leaks. They plugged approximately thirty three leaking tubes which reduced the leakage rate to approximately one GPM. The observed leakage

rate in the South sump water box was very small and did not contribute significantly to the release. The release to the discharge tunnel continued at this rate until 14:30 hours at which time the significance of the event was realized and the backwash discharge valves were closed. Water samples were immediately collected from the intake, discharge structure, discharge canal prior to dilution with Oyster Creek, and discharge canal after dilution with Oyster Creek at the Route 9 Bridge. A sample of the condensate being discharged was taken from the condensate storage tank the isotopic analysis of which is included in Attachment 1.

In addition, there were two service water pumps in service throughout the release, each with a capacity of 6000 GPM providing dilution flow.

APPARENT CAUSE
OF OCCURRENCE:

☐ Design
☐ Manufacture
☐ Installation/
Construction
☐ Operator

☐ Procedure
☐ Unusual Service Condit.
☐ Inc. Environmental
☐ Component Failure
☐ Other (Specify)

The cause of the occurrence
is presently under investigation

ANALYSIS OF
OCCURRENCE:

It is not thought that the release limits to the environment given in Appendix B, Table 11, Column 2, of 10CFR20 and Notes 1 through 5 there were exceeded as a result of this event. However, this conclusion is tentative pending final radiological analysis of the samples taken.

CORRECTIVE
ACTION:

The Backwater discharge valves were reclosed - further corrective action is pending P.O.R.C. review of this event

FAILURE DATA: N/A

Prepared by:

Arthur H. Rome

Date:

Feb 7, 1975

ATTACHMENT I

Nuclide	Concentration
I ¹³¹	9.3×10^{-6}
I ¹³³	2.7×10^{-6}
Ba ¹⁴⁰	7.5×10^{-6}
La ¹⁴⁰	4.7×10^{-5}
Ce ¹⁴¹	1.8×10^{-5}
Xe ¹³³	3.4×10^{-4}
Xe ¹³⁵	4.0×10^{-5}
Cr ⁵¹	1.6×10^{-5}
Mn ⁵⁴	3.6×10^{-6}
Co ⁶⁰	1.7×10^{-5}