

Jersey Central Power & Light Company



MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 201-539-6111

General



Public Utilities Corporation

May 14, 1975



Mr. A. Giambusso
Director, Division of Reactor Licensing
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Giambusso:

Subject: Oyster Creek Station
Docket No. 50-219
Abnormal Occurrence Report No. 50-219/75 13

The purpose of this letter is to forward to you the attached abnormal occurrence report in compliance with paragraph 6.6.2.a of the Technical Specifications.

Very truly yours,

Donald A. Ross, Manager
Generating Stations-Nuclear

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Enclosures

cc: Mr. J. P. O'Reilly, Director
Office of Inspection and Enforcement, Region 1

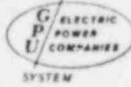
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MEMBER OF THE
General  Public Utilities Corporation
SYSTEM

OYSTER CREEK NUCLEAR GENERATING STATION Forked River, New Jersey 08731

Abnormal Occurrence
Report No. 50-219/75-13

Report Date

May 14, 1975

Occurrence Date

May 7, 1975

Identification of Occurrence

Violation of the Technical Specifications, paragraph 2.3.5 and Table 3.1.1.C.2, which require that the isolation condenser system initiation occur with a time delay of ≤ 15 seconds after a specified high reactor pressure is reached, and/or upon a low-low reactor water level condition. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraphs 1.15.A, B, and D.

Conditions Prior to Occurrence

The plant was shut down for the 1975 refueling. (The reactor mode switch was in the REFUEL position and reactor coolant temperature was less than 212°F .)

Description of Occurrence

On Wednesday, May 7, 1975, at approximately 0130, while performing a routine surveillance test on the four reactor high pressure isolation condenser initiation sensors (RE-15A, B, C, and D), and the associated time delay relays (6K9, 10, 11, and 12), it was discovered that time delay relay 6K11 failed to de-energize within 15 seconds after the associated pressure sensor (RE-15C) was tripped. (RE-15C was maintained in a tripped condition for three minutes and 6K11 failed to de-energize.) Time delay relay 6K11 was subsequently replaced. The replacement relay was tested and found to de-energize nine seconds after RE-15C was tripped.

Apparent Cause of Occurrence

Component failure (time delay relay) was the cause of the occurrence. The time delay relay will be inspected to determine the cause of its failure.

Analysis of Occurrence

Four pressure switches are provided in the Reactor Protection System (RPS) to initiate the isolation condenser system when there is a persistent 15 second condition with reactor pressure at or above 1060 psig. Two of these pressure switches with associated time delay relays 6K9 and 6K11 are in one RPS channel, and the other two pressure switches with associated time delay relays 6K10 and 6K12 are in the other RPS channel. High pressure signals from two pressure switches, one in each RPS channel, are required to initiate the isolation condenser system (coincidence of two RPS channels each of which is tripped by one of two pressure sensors). Similarly, time delay relays 6K9, 10, 11, and 12 are also de-energized by reactor low-low water level sensors RE-02A, B, C, and D. The failure of time delay relay 6K11 would not have prevented isolation condenser system initiation had either a reactor high pressure condition at or above 1060 psig existed for 15 seconds or a reactor low-low water level condition existed for 15 seconds. Consequently, this event is considered to have no safety significance other than the loss of redundancy in one RPS channel.

Corrective Action

Time delay relay 6K11 was replaced and the replacement relay was subsequently tested with satisfactory results. The replacement of this relay is considered sufficient corrective action for this failure.

Failure Data

Pertinent manufacturer data are listed below:

Manufacturer: Agastat
 Model: 7022 PDT
 Range: 5 seconds to 50 seconds
 Serial Number: 1712237