

Jersey Central Power & Light Company



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

MEMBER OF THE

General



Public Utilities Corporation

February 19, 1975

Mr. A. Giambusso
Director, Division of Reactor Licensing
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20545



Dear Mr. Giambusso:

Subject: Oyster Creek Station
Docket No. 50-219
Abnormal Occurrence Report No. 50-219/75-3

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.

Enclosed are forty copies of this submittal.

Very truly yours,

Donald A. Ross
Manager, Generating Stations-Nuclear

cs
Enclosures

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

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Public Utilities Corporation

OYSTER CREEK NUCLEAR GENERATING STATION FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/75-3

Report Date

February 19, 1975

Occurrence Date

February 11, 1975

Identification of Occurrence

Failure of containment spray pump 51A to start when called upon to do so. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15D.

Conditions Prior to Occurrence

The plant was in a routine startup with major parameters as follows:

Power:	Reactor, 1280 MWt
	Electric, 435 MWe
Flow:	Recirculation, 8.1×10^4 gpm
	Feedwater, 4.64×10^6 lb/hr
Stack Gas:	13,500 μ Ci/sec

Description of Occurrence

On Tuesday, February 11, 1975, at 0335, during the monthly surveillance test of the containment spray system, containment spray pump 51A failed to start in the automatic mode when subjected to simulated low-low reactor water level and high drywell pressure signals. It was observed that the "pump failure" alarm initiated approximately 57 seconds after the start signal was applied. In an attempt to determine the cause of the failure, the surveillance test was again conducted and the pump was observed to start in the proper manner.

Apparent Cause of Occurrence

The cause of the occurrence is presently under investigation.

Analysis of Occurrence

The only significance associated with the failure of 51A to start is in a loss of system redundancy. Had conditions arisen requiring containment spray, pump 51C would have started automatically and performed the containment heat removal function. In addition, the manually initiated backup pumps, 51B for System 1 and 51D for System 2, were operable and could have been initiated. The containment heat removal function can be adequately supplied by a single containment spray pump.

Corrective Action

It should be noted that the failure monitor installed as the result of a similar occurrence on October 21, 1974, was not connected during this event. In additional efforts to determine the cause of the failure, the start sequence of the 51A pump was repeated four times with the failure monitor in service. In each of these operations, the pump started in the proper manner. A procedure will be developed to systematically check all wiring and components associated with the starting circuit of the pump in addition to ensuring that the failure monitor is continuously connected to the circuit.

Failure Data

Previous abnormal occurrences involving the containment spray system:

1. Abnormal Occurrence Report No. 50-219/74-55
2. Abnormal Occurrence Report No. 50-219/73-12
3. Abnormal Occurrence Report No. 50-219/72-12