


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. 50-219/74/55

The following is a preliminary report being submitted
in compliance with the Technical Specifications,
paragraph 6.6.3.

Preliminary Approval:

 10/21/74
J. T. Carroll, Jr. Date

cc: Mr. A. Giambusso

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PDR ADDCK 05000219
S PDR

Report Date: 10/18/74

Occurrence: 10/18/74

Initial Written
Report Date: 10/21/74

Time of
Occurrence: 1515

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/74/ 55

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 de-
fined in the Technical Specifications, paragraph 1.15D.

CONDITIONS PRIOR
TO OCCURRENCE:

<input checked="" 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 type="checkbox"/> Routine Startup	<input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Operation	

Power: Reactor, 1904 MWt
Electric, 642 MWe
Flow: Recirc. 16.0×10^4 gpm
Feed., 6.99×10^6 lb/hr
Stack Gas: 14,100 pCi/sec

DESCRIPTION
OF OCCURRENCE:

It was observed on Friday, October 18, 1974, at 1515, during
the monthly surveillance test of the containment spray system
that Containment Spray Pump 51A failed to start in the auto-
matic 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 trouble-
shoot the cause of the pump malfunction, the surveillance was
again performed while monitoring the action of the 45 second

time delay relay, TK1, in the start circuit for the pump. It was observed that the 51A pump successfully started at this time and all aspects of its operation were found to be normal.

APPARENT CAUSE
OF OCCURRENCE:

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

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:

Since the failure of the pump to start did not repeat on the second surveillance test, the cause for the initial failure was indeterminable.

FAILURE DATA:

Not applicable.

Prepared by:

Arthur H. Rine

Date:

10/21/74