

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 73-19

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

Preliminary Approval:

J. T. Carroll, Jr. 9/10/73  
J. T. Carroll, Jr. Date

cc: Mr. A. Giambusso

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50-219

## ABNORMAL OCCURRENCE

REPORT NO. 73-19

SUBJECT: Violation of the Technical Specification, paragraph 3.7.A.2, in that although both startup transformers were energized to carry power to the station 4160V AC buses, neither transformer could be considered operable due to an improper setting on the C base differential monitoring relay.

Additionally, this event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15G, in that proper procedural controls were not implemented with respect to protective relay testing, which resulted in the development of an unsafe condition in connection with the operation of the plant.

Notification of this event, as required by the Technical Specifications, paragraph 6.6.2.a, was made to AEC Region I, Directorate of Regulatory Operations, by telephone on Saturday, September 8, 1973, at 10:15 a.m., and by telecopier on Monday, September 10, 1973, at 1:30 p.m.

SITUATION:

A plant shutdown had progressed to the point where, with electrical output at approximately 90 MWe, a transfer of station loads from the Auxiliary Transformer to the Startup Transformers was attempted. When a closing signal was applied to the S1A breaker, a loss of power occurred the the "1A" 4160V AC bus, which among other things caused two circulatory water pumps, three reactor recirculation pumps and the operating condensate and feedwater pumps to trip. Diesel Generator #1 started

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in the "Fast Start" mode, reenergizing the 4160V "1C" bus and the requisite safeguard power supplies. An attempt was made to start the B and C condensate pumps, but before either pump could be started, the reactor scrammed due to low water level. Automatic transfer to the S1B transformer was accomplished, but later in attempting to start a condensate pump powered from the "1B" 4160V bus, S1B tripped initiating the "Fast Start" sequence on Diesel Generator #2. The second CRD pump was started to assist in monitoring reactor water level which dropped to 9 feet above the active fuel. The reactor was isolated to prevent water inventory loss and the emergency condensers were initiated as needed to remove decay heat. The point at which reactor isolation occurs and the emergency cooling system is initiated was not reached.

CAUSE: The problem was traced to an incorrect setting of the current transformer ratio matching taps for the C phase differential relay on both startup transformers. In attempting to either carry a sizeable load or start a large load, a differential fault was sensed, tripping the output breakers.

REMEDIAL ACTION:

The current transformer ratio matching taps were set up properly and station loads were returned to normal. The company Relay Department was contacted and load checks were conducted in each of the startup transformer phase differential relays. All checks were satisfactory.

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SAFETY SIGNIFICANCE:

The significance of this event is that the designed redundancy of power supplies for the station 4160V buses was not present and, in fact, had not been present since July 30, 1973 when the relay test was made. However, both diesel generators did function properly upon the loss of power. Consequently, plant safety was not endangered.

Prepared by:

D. H. Reave, Jr.

Date: September 10, 1973

## MEMO ROUTE SLIP

Form AEC-95 (Rev. May 14, 1947) AECM 0240

See me about this.

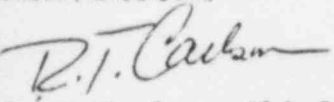
For concurrence.

For action.

Note and return.

For signature.

For information.

TO (Name and unit)  H. D. Thornburg, Chief, FS&EB	INITIALS   DATE	REMARKS Licensee: Jersey Central Power & Light Company  Docket No.: 50-219  Abnormal Occurrence: AO 73-19
TO (Name and unit)  RO:HQ (5) DR Central Files (1) Regulatory Standards (3) Dir. of Licensing (13)	INITIALS   DATE	REMARKS  The attached report from the subject licensee is forwarded in accordance with RO Manual Chapter 1000.
TO (Name and unit) RO Files ✓	INITIALS   DATE	REMARKS The action taken by the licensee is considered appropriate. Followup will be performed during the next inspection as appropriate. Copies of
FROM (Name and unit)  R. T. Carlson, Chief Facility Operations Branch	REMARKS	the report have been forwarded to the PDR, Local PDR, NSIC, DTIE and State representatives. The licensee will submit a 10 day written report to
PHONE NO.	DATE 9/12/73	Licensing.

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445-459

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