

# Jersey Central Power & Light Company

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

July 5, 1973



Mr. A. Giambusso  
Deputy Director for Reactor Projects  
Directorate of Licensing  
United States Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Giambusso:

Subject: Oyster Creek Station  
Docket No. 50-219  
Diesel Generator

The purpose of this letter is to report a failure of diesel generator No. 2 to be fully operable during power operation in that the diesel generator auxiliary power transformer fuses were blown during a lightning storm in the vicinity of the plant. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, Paragraph 1.15.D. 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 on Friday, June 22, 1973.

During a plant start-up, with plant electrical loads being supplied by off-site power, a lightning storm occurred in the vicinity of the plant causing an apparent voltage surge on the 1B 4160v bus, resulting in blowing the three power transformer fuses for diesel generator No. 2. The result of this failure was to render the fuel oil transfer pumps inoperable since they are among auxiliaries supplied by the transformer. Although the unit would have started and been operable if a loss of off-site power had occurred, its fuel supply would have been limited to the quantity in the day tank.

As a result of a subsequent plant scram and the need to have both diesel generators operable to restart, two of these fuses were replaced (only two were in stock), the third jumped, and a satisfactory operability check was conducted. Once the reactor had been made critical and the mode switch transferred to "run", the fuse drawer was pulled out and the unit made inoperable. Fuses were immediately ordered and daily surveillance testing of the other unit was implemented.

The significance of this event is the loss of redundancy of the AC emergency power sources provided at the plant.

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Mr. Giambusso

-2-

July 5, 1973

To prevent this type failure from reoccurring, an investigation will be conducted to determine the mechanism which caused the blown fuse. The purpose of this investigation will be to determine if it is possible to provide protection against a reoccurrence. In the meantime, an adequate supply of spare fuses will be maintained for the diesel generators to minimize the time required to return it to service.

Enclosed are forty (40) copies of this report.

Very truly yours,

*Donald A. Ross*

Donald A. Ross *EAC*  
Manager, Nuclear Generating Stations

DAR:cs  
Enclosures

cc: Mr. J. P. O'Reilly, Director  
Directorate of Regulatory Operations, Region I

To: James P. O'Reilly  
Directorate of Regulatory Operations  
Region I  
970 Broad Street  
Newark, New Jersey 07102

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

Subject: Abnormal Occurrence Report 73-13.

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

*50-219*

Date: June 21, 1973

Time: 11:25 p.m.

ABNORMAL OCCURRENCE

REPORT NO. 73-13

SUBJECT: Violation of the Technical Specification, para. \_\_\_\_\_.

(or)

Failure of Diesel Generator #2 to be fully operable during power operation, in that power transformer fuses were blown during a lightning storm in the vicinity of the plant.

This event is considered to be an abnormal occurrence as defined in the Technical Specifications, para. 1.15.D. Notification of this event as required by the Technical Specifications, para. 6.6.B was made to AEC Region I Directorate of Regulatory Operations on Friday June 22, 1973.

SITUATION:

During a plant startup, with plant electrical loads being supplied by off site power, a lightning storm occurred in the vicinity of the plant causing an apparent voltage surge on the 1B 4160v bus, resulting in blowing the three power transformer fuses for Diesel Generator #2. The result of this failure was to render the Fuel Oil Transfer Pumps inoperable since they are among auxiliaries supplied by the transformer. Although the unit would have started and been operable if a loss of off site power had occurred, its fuel supply would have been limited to the quantity in the Day Tank.

CAUSE:

The cause of this failure is thought to be as a result of a voltage surge which occurred on the 1 B bus during a lightning storm in the vicinity of the plant.

REMEDIAL ACTION:

As a result of a subsequent plant scram and the need to have both Diesel Generators operable to restart, two of these fuses were replaced (only two were in stock), the third jumped, and a satisfactory operability check was made once the storm had left the area. Once the reactor had been made critical and the mode switch transferred to "RUN", the fuse drawer was pulled out and the unit made inoperable. Fuses were immediately ordered and daily surveillance testing of the other unit was started.

SAFETY SIGNIFICANCE:

The significance of this event is the loss of redundancy of the AC emergency power sources provided at the plant.

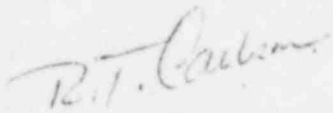
DIAGNOSTIC COMPLIANCE  
BY VISION CHECKS COMB

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RECEIVED

Prepared by: D.L. Reeves

6/22/73

MEMO ROUTE SLIP		See me about this.	Concurrence.	For action.
Form AEC-93 (Rev. May 18, 1961) CM 0250		Noting and return.	Signature.	For information.
TO (Name and unit)	INITIALS	REMARKS		
H. D. Thornburg, Chief, FS&EB		Licensee: Jersey Central Power & Light Co.		
	DATE	Docket No.: 50-219		
		Abnormal Occurrence: Report dated 6/21/73		
TO (Name and unit)	INITIALS	REMARKS		
RO:HQ (5) DR Central Files (1) Regulatory Standards Dir. of Licensing (13)		The attached report from the subject licensee is		
	DATE	forwarded in accordance with RO Manual Chapter 1000		
TO (Name and unit)	INITIALS	REMARKS		
RO Files		The action taken by the licensee is considered		
	DATE	appropriate. Followup will be performed during		
		the next inspection as appropriate. Copies of		
FROM (Name and unit)	REMARKS			
 R. T. Carlson, RO:I	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	Licensing.		
	6/27/73			

USE OTHER SIDE FOR ADDITIONAL REMARKS

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