

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 73-15.

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

Preliminary Approval:

J. T. Carroll, Jr. 7/25/73
J. T. Carroll, Jr. Date

cc: Mr. A. Giambusso

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50-219*

Abnormal Occurrence

Report No. 73-15

SUBJECT: Closure of Main Steam Isolation Valve NS04B in less than three seconds.

This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15A. 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 phone on Wednesday, July 25, 1973, at 10:30 a.m. and by telecopier on Wednesday, July 25, 1973 at

SITUATION:

Prior to conducting a plant startup, full closure timing and scram checks were being conducted on all four Main Steam Isolation Valves. In testing valve NS04B, closure time was measured to be 2.6 seconds whereas the Technical Specification limit in paragraph 4.5.1.2 is three seconds. Two additional timing checks were conducted, both of which indicated the valve to be closing faster than the above limit.

CAUSE: The hydraulic dashpot was found to contain insufficient oil. Approximately four quarts of oil were added, whereupon satisfactory closure times were obtained. However, while stroking the valve, oil was detected leaking along the operating shaft out of the Seal Cartridge Assembly. This apparently was the cause for the loss of oil.

Pertinent data is as follows:


Vendor: Fluid Power Dist.
Seal Cartridge Assembly: N661-20-V

REMEDIAL ACTION:

The seal cartridge assembly was replaced, oil was added to the hydraulic cylinder, valve timing adjusted, and the Main Steam Isolation Valve was returned to service.

SAFETY SIGNIFICANCE:

The minimum valve closure time limit of three seconds is based upon limiting the vessel peak pressure during the isolation valve closure transient analysis such that the main steam safety valves do not lift. The effect of the observed decreased time for valve closure would be to increase the vessel peak pressure during the transient. In this situation, the plant was shutdown and $<212^{\circ}\text{F}$, consequently the significance of the fast valve closure was nil. Since the closure times for the valves in the other steam line were normal, the effects of the fast closure time for NS04B would probably have been minimal if the plant had been at power.

TO (Name and unit) H. D. Thornburg, Chief, FS&EB	INITIALS 	REMARKS Licensee: Jersey Central Power & Light Co.	
	DATE	Docket No.: 50-219	
	Abnormal Occurrence: AO 73-15		
TO (Name and unit) RO:HQ (5) DR Central Files (1) Regulatory Standards (3) Dir. of Licensing (13)	INITIALS	REMARKS	
	DATE	The attached report from the subject licensee is	
	forwarded in accordance with RO Manual Chapter 1000.		
TO (Name and unit) RO Files <input checked="" type="checkbox"/> Central Mail & Files Unit	INITIALS	REMARKS 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) <i>R. T. Carlson</i> 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 7/31/73	Licensing.	

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445 - 4

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