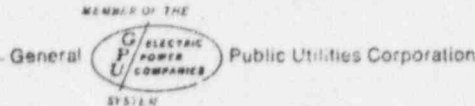


# Jersey Central Power & Light Company

MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 201-533-6111



October 26, 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 Crock Station  
Bracket No. 50-219  
Emergency Service Water Heat Exchanger

This letter serves to report a failure of a 3/4" nipple connecting the emergency service water (tube side) relief valve to 1-3 containment spray heat exchanger. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15D. 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, verbally to Mr. E. Greenman on Wednesday, October 17, 1973 and by telecopier on Thursday, October 18, 1973.

During surveillance testing of No. 2 containment spray system, the operator assigned to visually check the system noticed water issuing from under the HX insulation. He called the shift foreman who upon closer examination discovered water coming from the service water relief valve nipple.

Details of the heat exchanger are:

Manufacturer: Yuba Heat Transfer Corp.  
Type: NFN

The cause of the nipple failure appears to be saltwater corrosion of the nipple connecting the relief valve to the water box.

The remedial steps taken were to shut down the No. 2 system and surveillance test the redundant No. 1 system. The No. 1 system test was satisfactory. Repairs were then made to the 1-3 heat exchanger by installing a new nipple and bushing. The nipple on the 1-4 HX was removed and inspected and found to be sound. As a precautionary measure, a new nipple was installed. The No. 2 system was satisfactorily tested and made operable.

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October 26, 1973

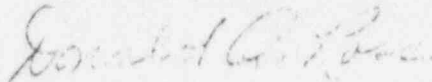
The significance of this event would be the loss of heat exchanger redundancy in one containment spray system. Proper cooling capacity is available with one set of pumps in one system. The No. 1 system has demonstrated availability of two sets of pumps along with its associated heat exchangers.

To prevent a reoccurrence of this type failure, the Yuba Heat Transfer Corp. will be contacted to:

- a) Review the repair and recommend additional inspection and/or repair if deemed necessary.
- b) Investigate the advisability of installing cathodic protection on the heat exchangers.

Enclosed are forty (40) copies of this report.

Very truly yours,



Donald A. Ross  
Manager, Nuclear Generating Stations

DAR:cs  
Enclosures

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