


# Jersey Central Power & Light Company



MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 201-539-6111

MEMBER OF THE  
General  Public Utilities Corporation

January 28, 1974

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

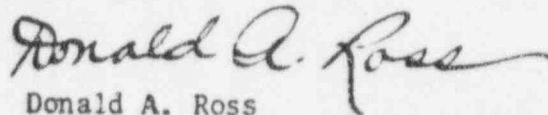
Dear Mr. Giambusso:

Subject: Oyster Creek Station  
Docket No. 50 219  
Abnormal Occurrence Report No. 50-219/74/7

The purpose of this letter is to forward to you the attached Abnormal Occurrence Report in compliance with paragraph 6.6.2.a of the Technical Specifications.

Enclosed are forty copies of this submittal.

Very truly yours,



Donald A. Ross  
Manager, Nuclear Generating Stations

cs  
Enclosures

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

B/652

OYSTER CREEK NUCLEAR GENERATING STATION  
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence  
Report No. 50-219/74/7

Report Date:

January 28, 1974

Occurrence Date:

January 23, 1974

Identification of Occurrence:

Violation of the Technical Specifications, paragraph 2.3.3, failure of the RE03D reactor high pressure sensor to trip at a point corresponding to a reactor pressure of <1060 psig. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15A.

Conditions Prior to Occurrence:

Routine plant startup was in progress.

The major plant parameters at the time of the event were as follows:

Reactor Thermal Power - 1080 MWt  
Electrical Power - 342 MWe  
Recirculation Flow -  $27.8 \times 10^6$  lb/hr.  
Reactor Pressure - 1020 psig

Description of Occurrence:

While performing a routine monthly surveillance test on the reactor high pressure sensors, RE03A, B, C, and D, it was observed that RE03D tripped at 1073 psig. This is 7 psig above its normal trip point of 1066 psig which reflects a sensor head correction of 6 psig. The surveillance test results were as follows:

	<u>As Found Trip Point</u>	<u>As Left Trip Point</u>	<u>Nominal Trip Point</u>
RE03A	1067 psig	1067 psig	1068 psig
RE03B	1068 psig	1068 psig	1068 psig
RE03C	1066 psig	1066 psig	1066 psig
RE03D	1073 psig	1066 psig	1066 psig

Apparent Cause of Occurrence:

Design is a factor contributing to the cause of this occurrence.

The reason for the change in sensor set point is under investigation. Several pressure sensors on other safety systems have displayed similar set point drift. In most instances the instrument manufacturer has been contacted but little information that would lead to a solution to the problem has been received.

Analysis of Occurrence:

The safety significance of this event lies in a loss of system redundancy. Had a pressure excursion occurred, the redundant sensor, RE03C, would have functioned properly and would have terminated the pressure transient in conjunction with the proper actuation of the RE03A and B Sensors.

Corrective Action:

The pressure sensor, RE03D, was recalibrated and returned to service.

Engineering assistance will be obtained to determine the cause of drift in the pressure sensors of concern and to recommend corrective solutions.

The plant staff will investigate possible Technical Specification changes that will allow for instrument tolerances and will reduce excessive conservatism in the analyses on which some of the limits are based.

Failure Data:

Manufacturer: Barksdale  
Type: Pressure Actuated Switch  
Switch No.: B2T-A12SS