Jersey Central Power & Light Company

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

MEMBER OF THE General GPU ELECTRIC POWER COMPANIES SYSTEM Public Utilities Corporation

December 2, 1974

DEC 5 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. 50-219/74-60

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

Donald A. Ross
Manager, Generating Stations-Nuclear

cs
Enclosures

cc: Mr. J. P. O'Reilly, Director
Directorate of Regulatory Operations, Region 1

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MEMBER OF THE General G P U ELECTRIC POWER COMPANIES Public Utilities Corporation SYSTEM

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/74-60

Report Date

December 2, 1974

Occurrence Date

November 22, 1974

Identification of Occurrence

Violation of the Technical Specifications, Table 3.1.1.H.2, isolation condenser condensate high flow line break sensor 1B11A2 was found to actuate at a value in excess of the Technical Specification limit of 27 inches water. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15B.

Conditions Prior to Occurrence

The plant was at steady state power with major parameters as follows:

| | |
|---|---|
| Power: | Reactor, 1908 MWt |
| | Electric, 665 MWe |
| Flow: | Recirculation, $15.3 \times 10^4$ gpm |
| | Feedwater, $7.13 \times 10^6$ lb/hr |
| Reactor Pressure: | 1020 psig |
| Stack Gas: | 22,100 μCi/sec |

Description of Occurrence

On Friday, November 22, 1974, at approximately 1045, while performing routine surveillance testing on the isolation condenser condensate high flow line break sensors, it was observed that sensor 1B11A2 (located on the A isolation condenser) actuated at a value in excess of the Technical Specification limit of 27 inches water. The complete condensate line break sensor surveillance results were as follows:

Isolation Condenser A

| Sensor | As Found (inches water) | As Left (inches water) |
|---|---|---|
| 1B11A1 | 27 | 27 |
| 1B11A2 | 29 | 27 |

Isolation Condenser B

| Sensor | As Found (inches water) | As Left (inches water) |
|---|---|---|
| 1B11B1 | 26.5 | 26.5 |
| 1B11B2 | 27 | 27 |

The 1B11A2 sensor was recalibrated and retested. The surveillance retest yielded a trip point of 27 inches water.

Apparent Cause of Occurrence

The cause of this occurrence is sensor repeatability, which is a recognized problem.

Analysis of Occurrence

This event is considered to have no safety significance. Had a condensate line high flow condition occurred requiring isolation of the A isolation condenser, the redundant sensor, 1B11A1, would have actuated at the Technical Specification limit of 27 inches water.

Corrective Action

Setpoint accuracy and tolerance in not only these instruments but others as well is under investigation by Jersey Central Power & Light Company and GPU Service Corporation personnel in conjunction with the General Electric Company.

A Plant Operations Review Committee Action Item has been assigned to investigate the conservatism in the 27 inches of water setpoint of the isolation condenser condensate high flow line break sensor. This investigation may show that a margin between the Technical Specification setpoint and the minimum operational setpoint may be established to allow for the lack of sensor repeatability.

Failure Data

A previous abnormal occurrence involving these switches was reported in Abnormal Occurrence Report No. 50-219/74-23.

Pertinent manufacturer data:

Type: Barton Differential Pressure Switch
Range: 0-60 inches water
Pressure Rating: 1500 psig
Serial No.: 1B11A2 - 27E-965