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 SYSTEM

May 6, 1975

Mr. A. Giambusso
Director, Division of Reactor Licensing
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

RECEIVED MAY 8 1975

Dear Mr. Giambusso:

Subject: Oyster Creek Station
Docket No. 50-219
Abnormal Occurrence Report No. 50-219/75-12

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

pk

Enclosures

cc: Mr. J. P. O'Reilly, Director
Office of Inspection and Enforcement, Region 1

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OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/75-12

Report Date

May 6, 1975

Occurrence Date

April 26, 1975

Identification of Occurrence

Violation of the Technical Specifications, paragraph 3.1.1.D.3--Low Reactor Pressure Core Spray Valve Permissive Pressure Switches RE 17B and C were found to trip at pressures less than the minimum required value of 285 psig. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraphs 1.15B and D.

Conditions Prior to Occurrence

The plant was shut down for the 1975 refueling. The reactor mode switch was in the REFUEL position with reactor coolant temperature less than 212°F.

Description of Occurrence

On Saturday, April 26, 1975 at approximately 0300, while performing quarterly surveillance testing on the four Low Reactor Pressure Core Spray Valve Permissive Pressure Switches, it was discovered that switches RE 17B and C tripped at 278 psig and 280 psig, respectively. These values are less than the Technical Specification limit of 285 psig. Pressure switches RE 17B and C were immediately recalibrated.

The "as found" and "as left" switch settings were:

	"As Found" Settings	"As Left" Settings
RE 17A	286 psig	286 psig
RE 17B	278 psig	285 psig
RE 17C	280 psig	287 psig
RE 17D	285 psig	285 psig

Apparent Cause of Occurrence

The cause of this occurrence is switch repeatability.

Analysis of Occurrence

The Core Spray System Parallel Isolation Valves open when a low-low reactor water level and/or high drywell pressure condition exists in addition to a low reactor pressure condition (285 psig). The four Low Reactor Pressure Core Spray Valve Permissive Pressure Switches sense the low reactor pressure condition and provide signals to the valve opening logic. Two of these switches (RE 17A and B) are associated with Core Spray System 1, and the other two switches (RE 17C and D) are associated with Core Spray System 2. A trip of one switch in each core spray system is required to effect parallel isolation valve opening in that system. A review of the "as found" switch settings indicates that parallel isolation valves in both core spray systems would have opened at reactor pressures $\geq$285 psig had a reactor low-low water level and/or high drywell pressure condition existed concurrently. The safety significance of this event is, therefore, considered to be the loss of switch redundancy. In addition, it is noted that the reactor has been maintained at atmospheric pressure during the current refueling outage and that the low reactor pressure permissive was, consequently, satisfied during this time period.

Corrective Action

Immediate corrective action involved the recalibration of pressure switches RE 17B and C. A study will be conducted to determine the feasibility of raising the pressure switch settings in order to alleviate the problem of the pressure setpoint drifting to a value less than 285 psig. Additional information concerning this type of problem is contained in the response to Question No. 1 of Supplement No. 8 to Amendment No. 68 dated January 8, 1975.

Failure Data

Manufacturer data pertinent to these switches are as follows:

Manufacture:	Barksdale
Type:	Pressure Actuated Switch
Range:	50-1200 psig
Serial No.:	B2T-A12SS (RE 17B)
	B2T-M12SS (RE 17C)