

Initial Telephone Report Date: October 8, 1975

Date of Occurrence: 10/8/75

Initial Written Report Date: October 8, 1975

Time of Occurrence: 1330

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/75/ 27

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 D 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:

- | | | | |
|-------------------------------------|--------------------|--------------------------|-------------------------|
| <input checked="" type="checkbox"/> | Steady State Power | <input type="checkbox"/> | Routine Shutdown |
| <input type="checkbox"/> | Hot Standby | <input type="checkbox"/> | Operation |
| <input type="checkbox"/> | Cold Shutdown | <input type="checkbox"/> | Load Changes During |
| <input type="checkbox"/> | Refueling Shutdown | <input type="checkbox"/> | Routine Power Operation |
| <input type="checkbox"/> | Routine Startup | <input type="checkbox"/> | Other (Specify) |
| <input type="checkbox"/> | Operation | | |

Plant Parameters:
Power (thermal) - 582.6 Mwt
Power (electrical) - 155 Mwe
Recirc flow - 6.0×10^4
Feed flow - 1.77×10^6 lb./hr.
Stack gas - 3090 uci/sec.

10-20-75

DESCRIPTION OF OCCURRENCE:

On Wednesday, October 8, 1975 at approximately 1130 while performing quarterly surveillance testing on the four (4) Low Reactor Pressure Core Spray Valve Permissive Pressure Switches, it was discovered that RE 17B and D tripped at 275 psig and 277 psig, respectively. These values are less than the Technical Specification limit of 285 psig. Pressure switches RE 17B and D were immediately recalibrated.

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

	<u>"As Found" Settings</u>	<u>"As Left" Settings</u>
RE17A	285 psig	285 psig
RE17B	275 psig	287 psig
RE17C	285 psig	285 psig
RE17D	277 psig	289 psig

APPARENT CAUSE
OF OCCURRENCE:

- | | |
|--|--|
| <input type="checkbox"/> Design | <input type="checkbox"/> Procedure |
| <input type="checkbox"/> Manufacture | <input type="checkbox"/> Unusual Service Condition |
| <input type="checkbox"/> Installation/
Construction | <input type="checkbox"/> Inc. Environmental
Component Failure |
| <input type="checkbox"/> Operator | <input checked="" type="checkbox"/> Other (Specify) |

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 (4) Low Reactor Pressure Core Spray Valve Permissive Pressure Switches sense the low reactor pressure condition and provide signals to the valve opening logic. Two (2) of these switches (RE 17A and B) are associated with Core Spray System 1 and the other two (2) 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 285 psig had a reactor low-low water level and/or high drywell pressure condition existed concurrently. The safety significance of this event is considered to be the loss of switch redundancy.

CORRECTIVE ACTION:

Immediate corrective action involved the recalibration of pressure switches RE 17B and D.

FAILURE DATA:

Manufacturer data pertinent to these switches are as follows:

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

Previous Abnormal Occurrences involving these switches:

(1) A.O. Report No. 50-219/75/12

Prepared by:

T. E. Quintenz

T. E. Quintenz

Date: October 8, 1975

TO:

James P. O'Reilly
Directorate of Regulatory Operations
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

FROM:

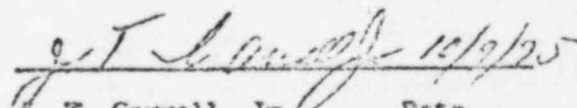
Jersey Central Power & Light Company
Oyster Creek Nuclear Generating Station Docket #50-219
Forked River, New Jersey 08731

SUBJECT:

Abnormal Occurrence Report No. 50-219/75/ 27

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

Preliminary Approval:


C. T. Carroll, Jr. Date

CC: Mr. A. Giambusso

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OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08732

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

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 D 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:

- | | |
|--|--|
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| <input type="checkbox"/> Hot Standby | <input type="checkbox"/> Operation |
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| <input type="checkbox"/> Refueling Shutdown | <input type="checkbox"/> Routine Power Operation |
| <input type="checkbox"/> Routine Startup | <input type="checkbox"/> Other (Specify) |
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RE17C	285 psig	265 psig
RE17D	277 psig	289 psig

EVENT CAUSE
CIRCUMSTANCE:

- | | |
|----------------------|-----------------------------------|
| <u>Design</u> | <u>Procedure</u> |
| <u>Manufacture</u> | <u>Unusual Service Conditions</u> |
| <u>Installation/</u> | <u>Ext. Environmental</u> |
| <u>Construction</u> | <u>Component Failure</u> |
| <u>Operation</u> | <u>X Other (Specify)</u> |

The cause of this occurrence is switch repeatability.

SIGNIFICANCE:

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 (4) low Reactor Pressure Core Spray Valve Permissive Pressure Switches sense the low reactor pressure condition and provide signals to the valve opening logic. Two (2) of these switches (RE 17A and B) are associated with Core Spray System 1 and the other two (2) 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 285 psig had a reactor low-low water level and/or high drywell pressure condition existed concurrently. The safety significance of this event is considered to be the loss of switch redundancy.

CORRECTIVE ACTION:

Immediate corrective action involved the recalibration of pressure switches RE 17B and D.

REFERENCE DATA:

Manufacturer data pertinent to these switches are as follows:

Manufacturer:	Rockwell
Type:	Pneumatically Actuated Switch
Range:	50-1000 psig
Switch No.:	B2T-ALBPS (RE 17B)
	B2T-ALBPS (RE 17D)

Previous Abnormal Occurrences Involving these switches:

(1) A.G. Report No. 50-219/75/02

Red by:

J. E. Quintenz
T. E. Quintenz

Date: October 8, 1975