

LICENSEE EVENT REPORT

U.S. NUCLEAR REGULATORY COMMISSION

CONTROL BLOCK: 1 6 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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REPORT SOURCE		DOCKET NUMBER										EVENT DATE										REPORT DATE									

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 On November 25, 1978, while performing the monthly surveillance test on

0 3 the reactor high pressure scram switches, switch RE03C was found to trip

0 4 at a pressure that was less conservative than that specified in paragraph

0 5 2.3.3 of the Technical Specifications. The as found trip pressure was

0 6 1075 psig, 9 psi greater than the desired value.

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Jersey Central Power & Light Company
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Morristown, New Jersey 07960
(201) 455-8200

OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/78-27/3L-0

Report Date

December 21, 1978

Occurrence Date

November 25, 1978

Identification of Occurrence

Violation of the Technical Specifications, paragraph 2.3.3, when the reactor high pressure sensor RE03C failed to trip at the required value. This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.b.1.

Conditions Prior to Occurrence

The plant was in a refueling shutdown.

Reactor mode switch - refuel position
Source range monitor - 25 cps
All control rods - fully inserted
Reactor water level - 110 inches
Reactor water temperature - 167°F

Description of Occurrence

On Saturday, November 25, 1978, at approximately 0040, while performing monthly surveillance testing on the reactor high pressure scram sensors, RE03C was found to be less conservative than that specified in the Technical Specifications. Test on all reactor high pressure switches revealed the following data:

	<u>Pressure Switch Designation</u>	<u>Desired Setpoint</u>	<u>As Found</u>	<u>As Left</u>
System 1	RE03A	1068	1068	1068
	RE03C	1066	1075	1066
System 2	RE03B	1068	1067	1067
	RE03D	1066	1065	1065

Apparent Cause of Occurrence

The cause of switch RE03C tripping at 1075 psig is attributed to sensor repeatability.

Analysis of Occurrence

Failure of the RE03C pressure switch to actuate at its prescribed value of 1066 psig would have prevented operation of the 1K4 relay. The 1K4 relay contacts contained in the automatic operating logic for the reactor high pressure scram sensors would, therefore, fail to actuate. Due to the configuration of this logic, failure of this pressure switch would not affect reactor high pressure scram initiation, but would remove the redundancy of the logic. The safety significance of the event is considered to be minimal since the redundant sensor RE03A in reactor protection System 1 would have operated at the required value.

Corrective Action

Reactor high pressure sensor RE03C was reset to trip within the prescribed limits. Recognizing the repeatability of the sensor was within the manufacturer's specification, no further corrective action is deemed necessary.

Failure Data

Barksdale pressure actuated switch
Switch #B2T-A12SS
Proof 1800 psi
Adjustable range 50-1200 psi