

INSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT ALL REQUIRED INFORMATION)

INSEE NAME

LICENSE NUMBER

LICENSE TYPE

EVENT TYPE

01	C	T	M	N	S	1
----	---	---	---	---	---	---

0	0	-	0	0	0	0	0	-	0	0
---	---	---	---	---	---	---	---	---	---	---

4	1	1	1	1	1
---	---	---	---	---	---

0	3
---	---

07	CONT
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--	--

L

L

0	5	0	-	0	2	4	5
---	---	---	---	---	---	---	---

0	1	1	2	7	7
---	---	---	---	---	---

0	2	1	0	7	7
---	---	---	---	---	---

EVENT DESCRIPTION

02

 On January 12, 1977, while performing a surveillance (High Drywell Pressure-Functional

03

 and Calibration) on drywell pressure switches, it was found that one of the four

04

 switches was tripping at a value higher than that allowed by the Technical

05

 Specifications. RO 50-245/77-3/3L

06

07

1	B
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E

I	N	S	T	R	U
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N

B	0	8	0
---	---	---	---

N

CAUSE DESCRIPTION

08

 The failure of this switch to trip at the desired setpoint is attributable to a

09

 setpoint drift

10

11

E

0	9	9
---	---	---

NA

B

NA

12

Z

Z

NA

NA

PERSONNEL EXPOSURES

13

0	0	0
---	---	---

Z

NA

PERSONNEL INJURIES

14

0	0	0
---	---	---

NA

OFFSITE CONSEQUENCES

15

NA

LOSS OR DAMAGE TO FACILITY

15

Z

NA

PUBLICITY

17

 Routine notification of officials

ADDITIONAL FACTORS

18

 See attached report

19

8103060405

NAME: P. J. Przekop PHONE: 203-447-1791

Report Number: RO-77-3/3L
Report Date: February 10, 1977
Occurrence Date: January 12, 1977
Facility: Millstone Nuclear Power Station, Unit 1,
Waterford, Ct. 06385

Identification of Occurrence:

Instrumentation which initiates Emergency Core Cooling Systems was found to have a setting less conservative than that established by the Technical Specifications.

Conditions Prior to Occurrence:

Prior to the occurrence, the plant was operating at a steady state power of ninety-nine percent.

Description of Occurrence:

On January 12, 1977 while performing a surveillance (High Drywell Pressure-Functional and Calibration) on drywell pressure switches, it was found that one of the four switches was tripping at a value higher than that allowed by the Technical Specifications. The Technical Specifications require that trip setting of these switches be less than or equal to 2 psig. The setpoint of the switch in question was found to be 2.2 psig.

This report is similar in nature to LER RO-76-37/3L and LER RO-76-41/3L.

Designation of Apparent Cause of Occurrence:

The failure of this pressure switch to trip at the desired setpoint is considered to be attributable to a setpoint drift.

Analysis of Occurrence:

These switches are arranged in a one-out-of-two-twice logic system to provide one of the permissive signals, to the Automatic Pressure Relief Valves, for automatic blowdown. Failure of the switch to trip at the required setpoint did not impair the system's ability to perform its intended function. The setpoints of the other switches in the logic system were checked and found to be within the desired range and would have initiated the required action upon receipt of a high drywell pressure.

The switch that failed to operate at the desired setpoint was a Barton, Model Number 288, with a range of zero to ten psi.

Corrective Actions:

All of the pressure switches in the logic system were checked to insure the correct setpoints. The switch that was found to have the incorrect setpoint was adjusted to the required setpoint and satisfactorily tested.

The setpoint of this switch will be changed to allow more margin between the setpoint and the Technical Specification limit. This change is based on recommendations made by the General Electric Company in a report on instrument drift.