

EVENT NAME: H J O C V 4 | 0 0 1 - 0 0 0 0 0 0 - 0 0 0 | 4 1 1 1 1 | 0 3 |

CONT | CATEGORY: 57 58 | REPORT TYPE: L | REASON CODE: L | DOCKET NUMBER: 0 5 9 - 0 2 1 9 | EVENT DATE: 0 7 2 1 7 7 | REPORT DATE: 0 8 1 0 2 |

EVENT DESCRIPTION (77-14/24)

During refueling shutdown, isolation condenser isolation sensors IB11B1 and IB11B2 set points were found to be less conservative than those established by Technical Specifications while performing routine surveillance test for isolation condenser pipe break isolation. High flow sensors in the steam lines associated with the isolation condenser would have actuated to isolate the...

(Continued on next page)

SYSTEM CODE: C D | CAUSE CODE: F | COMPONENT CODE: X X X X X X | MODE COMPONENT SURVEIL: 0 | COMPONENT MANUFACTURER: B 0 8 0 | VIOLATION: Y

CAUSE DESCRIPTION

Two ITT Barton high flow sensors were found to have set points less conservative than those established by Technical Specifications. The cause was determined to be instrument repeatability, however, the sensors were operating within their...

(Continued on next page)

FACILITY STATUS: H | % POWER: 0 0 0 | OTHER STATUS: N/A | METHOD OF DISCOVERY: B | DISCOVERY DESCRIPTION: N/A

FORM OF ACTIVITY RELEASED: Z | CONTENT OF RELEASE: Z | AMOUNT OF ACTIVITY: N/A | LOCATION OF RELEASE: N/A

PERSONNEL EXPOSURES: NUMBER: 0 0 0 | TYPE: Z | DESCRIPTION: N/A

PERSONNEL INJURIES: NUMBER: 0 0 0 | DESCRIPTION: N/A

Probable Consequences: N/A

LOSS OR DAMAGE TO FACILITY: TYPE: Z | DESCRIPTION: N/A

PUBLICITY: N/A

ADDITIONAL FACTORS: N/A

THIS DOCUMENT CONTAINS POOR QUALITY PAGES

70575  
LICENSEE EVENT REPORT

Cyster Creek Nuclear Generating Station  
Docket No. 50-219  
Reportable Occurrence No. 50-219/77-14-3L

Event Description - Continued

system on a high flow condition. The sensors were operating within their design accuracy so both were recalibrated and returned to service.  
(No. 50-219/77-14-3L)

Cause Description - Continued

design accuracy. Both sensors were recalibrated and returned to service.

OYSTER CREEK NUCLEAR GENERATING STATION  
Forked River, New Jersey 08731

Licensee Event Report  
Reportable Occurrence No. 50-219/77-14-3L

Report Date

August 19, 1977

Occurrence Date

July 21, 1977

Identification of Occurrence

Violation of the Technical Specifications, Table 3.1.1.H.2, in which the trip setting of IB11B1 and IB11B2 pressure switch was less conservative than that specified. This event is considered to be a 30-day reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.B.1.

Conditions Prior to Occurrence

The reactor was shut down for refueling and maintenance with the mode switch in the "Refuel" position.

Description of Occurrence

On Tuesday, July 21, 1977, at approximately 0202, isolation condenser isolation sensors IB11B1 and IB11B2 set points were found to be less conservative than those established by Technical Specifications. The condition occurred during performance of routine surveillance test for isolation condenser pipe break isolation.

<u>Pressure switch Designation</u>	<u>Desired Set Point (Head Correction Included)</u>	<u>As Found</u>	<u>As Left</u>
IB11A1	27" + 0" - 1" of H <sub>2</sub> O	26	26
IB11A2	27" + 0" - 1" of H <sub>2</sub> O	26.8	26.8
IB11B1	27" + 0" - 1" of H <sub>2</sub> O	28	26
*IB11B2	27" + 0" - 1" of H <sub>2</sub> O	28	26.8

\* On June 18, 1977, it was discovered that IB11B2 gage was pegged upscale. After investigation, it was discovered that the bellows on instrument IB11B2 was driven into the over-travel stops and locked into position. The differential pressure indicating switch was replaced at this time. Switch had failed in the safe direction giving an isolation signal to the logic.

Apparent Cause of Occurrence

It is noted that the instrument was operating within its design accuracy.

Analysis of Occurrence

High flow sensors IB11B1 and IB11B2 sense a pipe break in "B" isolation condenser condensate return line between the point where the sensing lines penetrate the system piping to the point where the piping returns to the recirc piping. The section of piping sensed by the instrumentation is entirely contained in the drywell. Had a pipe break event occurred during operation, the isolation condenser would have isolated from a pipe break in this section of piping but at a higher flow corresponding to the higher set point. The safety significance of this event is considered minimal, since there are high flow sensors in the steam lines associated with isolation condenser which would have actuated to isolate the system on a high flow condition, and the sensors on the condensate lines would have actuated at the higher set point.

Corrective Action

During surveillance testing, IB11B1 and IB11B2 were both recalibrated and put back into service.

Failure Data

IB11B2 - ITT Barton  
Monterey, California  
Serial No. 278-6643  
S.W.P. 1500  
Range 0-60 WC

IB11B1 - ITT Barton  
Monterey, California  
Serial No. 278-3158  
S.W.P. 1500  
Range 0-60 WC