





#### Item 10

During normal operation on April 6, 1980, at 0944 hours, pressure transmitter 495 (PT-495), which is one of three monitoring steam generator "C", failed to full output. This instrument feeds the SI initiating logic for "C" Hi Steam Line Differential Pressure. This mode of failure blocks the input from PT-495, which results in operation with less than the required degree of redundancy as stated in Table 3.5-3 of the Technical Specifications and is reportable under Section 6.9.2.b.1. The bistables of this loop were manually operated to return to the required degree of redundancy.

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The cause of this event was not determined due to the instrument resuming normal operation before it could be thoroughly investigated by I & C personnel. A checkout of the instruments failed to duplicate the failure or find any condition which could have contributed to its failure. The instrument was closely monitored for a nine month period including a refueling calibration with no problems identified. Therefore, the instrument PT-495 will remain in service and the investigation closed.

SUPPLEMENTAL INFORMATION  
FOR  
LICENSEE EVENT REPORT 80-008

1. Cause Description and Analysis:

During normal operation on April 6, 1980, at 0944 hours, pressure transmitter 495 (PT-495), which is one of three monitoring steam generator "C", failed to full output. This type of failure mode blocks this input to the Safety Injection initiation logic for High Steam Line Differential Pressure. The event is contrary to the minimum degree of redundancy as stated in Table 3.5-3 of Technical Specifications and is reportable under Section 6.9.2.b.1. Another function of this instrument is to provide pressure compensation to one channel of steam flow for feedwater control on "C" Steam Generator. This failure caused a high flow rate on this control until the control operator placed the control in manual and switched to the other channel of steam flow which was operating normally. This resulted in a slight increase in "C" Steam Generator level but created no problems. The operator manually operated the trip bistables in the failed loop to restore the required degree of redundancy as per Table 3.5-3 of Technical Specifications.

2. Corrective Action:

The operator immediately put the "C" feedwater control on manual and switched to the channel of steam flow which was not affected. Then as quickly as practical, the Operating Work Procedures for this loop were implemented and the bistable switches for the failed pressure channel were placed in the trip position. The instrument resumed normal operation prior to any repair being made. Bistables were reset after Instrument and Control personnel tested the instrument at 1540 on April 7, 1980.

3. Corrective Action To Prevent Further Occurrence:

The cause of the upscale failure of PT-495 has not been determined due to the instrument resuming normal operation before Instrument and Control personnel could investigate. Although the instrument has been tested and monitored closely, the failure has not been duplicated nor has any condition been discovered which would have contributed to its failure.

This failure is very similar to the failure of PT-496 (LER-79-031). The instrument manufacturer investigated that failure without success. They were contacted on this current failure and agreed to furnish a replacement instrument for PT-495 so they could test it under laboratory conditions.

3. Corrective Action To Prevent Further Occurrence: (Continued)

Due to procurement difficulties, before a replacement unit was available, the instrument had worked satisfactorily for approximately nine months. It had also gone through a refueling calibration where no problems were identified. With this report the vendor decided that a lab test of this instrument would not be beneficial in determining the failure mode which occurred on April 6, 1980. Based on their recommendation and due to the nine months record of dependable operation, PT-495 was left in service. No further action will be taken concerning this failure.