

DUKE POWER COMPANY

OCONEE UNIT 2

Report Number: RO-270/78-11

Date of Report: November 22, 1978

Date of Occurrence: October 23, 1978

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: ES Channel 3, RB Narrow Range Pressure Transmitter, Out-of-Calibration

Condition Prior to Occurrence: 55% Full Power

Description of Occurrence:

On October 23, 1978 during the performance of IP/O/A/0310/05C, it was determined that the Reactor Building Narrow-Range Pressure Transmitter did not agree within the required 0.6 psig. It was determined that ES Analog Channel 3 was out of calibration. A further analysis of data taken during the recalibration revealed that Channel 3 would have tripped at 4.96 psig which exceeds the Technical Specification limit of 4.0 psig.

Apparent Cause of Occurrence:

The cause of the occurrence was electronic failure of the transmitter caused by unusual service conditions; specifically, high humidity within the Penetration Rooms. The problem was compounded by the failure to adequately verify proper sealing of the transmitter following periodic calibration.

Analysis of Occurrence:

Redundant channels were operable and would have initiated appropriate signals as required. The effective inoperability of one channel did not reduce the effectiveness of the safety systems involved. This incident did not adversely affect public health and safety.

Corrective Action

The immediate corrective action taken was to recalibrate the transmitter.

Actions are also being taken to reduce the frequency, or eliminate, the unusual service conditions in the penetration rooms and to minimize its effect on the transmitters.

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