

**DEC 05 2003**

LRN-03-0488



United States Nuclear Regulatory Commission  
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Washington, DC 20555

**Special Report 272/03-004**  
**Salem Unit 1**  
**Facility Operating License DPR-70**  
**Docket No. 50-272**

This special report is being submitted pursuant to the requirements of Salem Unit 1 Technical Specification (TS) 3.3.3.1 "Radiation Monitoring Instrumentation" Action b, due to the condenser off gas monitor (1R15) being inoperable for greater than 7 days.

On November 22, 2003 at 2219 hours, TS 3.3.3.1 was entered when radiation detector 1R15 was declared inoperable due to failing its calibration test. TS 3.3.3.1, Action b requires that "With one or more radiation monitoring channels inoperable, take the ACTION shown in Table 3.3-6." Action 23 of Table 3.3-6 requires that within 72 hours the preplanned alternate method of monitoring the appropriate parameter(s) be initiated, and (a) the inoperable channel be restored to operable within 7 days, or (b) to prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

As stated above, the channel became inoperable on November 22, 2003 when the 1R15 failed its calibration test. Calibration could not be completed satisfactorily because of a faulty amphenol connector. The problem was found to be a shorted pin on one connector. Additionally, the cable was damaged and needed repair. These parts were not in stock and had to be ordered. Following receipt of the parts on November 26, it was discovered that an additional part needed to be replaced. Because procurement of this part has taken longer than anticipated, a spare part is being utilized and it is in the process of being installed. It is expected that installation and final calibration will be completed by December 9, 2003.

PSEG expects to return the 1R15 detector to an operable status on December 9, 2003.

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Should there be any questions regarding this matter please contact E.H. Villar at  
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Sincerely,



Plant Manager - Salem

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/EHV