



LR-N23-0055
August 3, 2023

TS 6.9.2

United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Salem Generating Station, Unit
Renewed Facility Operating License No. NPR-70
NRC Docket No. 50-272

Subject: Special Report 272/23-01-00, Pursuant to the Requirements of Salem Unit 1 Technical Specification 3.3.3.1, Action 23, for the Unit 1 Plant Vent Noble Gas Rad Monitor Inoperable for Greater than Seven Days

This Special Report is being submitted pursuant to the requirements of Salem Unit 1 Technical Specification (TS) 3.3.3.1, Action 23. TS 3.3.3.1 Action 23 states:

"With the number of OPERABLE Channels less than required by the minimum channels OPERABLE requirements, initiate the preplanned alternate method of monitoring the appropriate parameter within 72 hours, and:

- 1) either restore the inoperable Channel(s) to OPERABLE status within 7 days of the event, or
- 2) prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days following the event outlining the actions taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status."

DESCRIPTION OF OCCURRENCE

On July 20, 2023, at 0856, Salem Unit 1 commenced functional testing of 1R41D Plant Vent Radiation Monitor in accordance with plant procedure. The test results were unsatisfactory. Technical Specification Action Statement (TSAS) 3.3.3.1 Action b.23 was entered, and Chemistry and Radiation Protection were informed. The operating crew notified Chemistry to establish the pre-planned alternate method of monitoring.

The failed component was identified as the Air Mass Flowmeter, for which the site has been unable to obtain a suitable replacement part. Both the spare in stock and the only other spare available in the industry have exceeded shelf life requirements. Both also require repairs prior to installation. The vendor has cited the age/obsolescence of the unit and individual components as a challenge to timely availability of spare parts.

The failed flowmeter and on-site spare have been returned to the vendor, General Atomics, for inspection and refurbishment. General Atomics received the components on July 28, 2023, and is currently in the process of transferring them to their subcontractor, Fluid Components International (FCI), for analysis and repair. FCI will provide PSEG with a timeline for repair upon completion of their analyses.

PSEG does not have an estimated return to service date for the 1R41D Plant Vent Radiation Monitor at this time. In the interim, Chemistry will continue monitoring using the alternate method.

If you have any questions or comments on this transmittal, please contact Bernadette Cizin at (856) 339 – 2206.

Sincerely,

A handwritten signature in black ink, appearing to read "R. DeSanctis", with a long horizontal flourish extending to the right.

Richard DeSanctis
Plant Manager, Salem

cc: USNRC Administrator – Region I
USNRC Project Manager – Salem
USNRC Senior Resident Inspector – Salem
NJ Department of Environmental Protection, Bureau of Nuclear Engineering
Corporate Tracking Coordinator