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LR-N12-0229

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Salem Generating Station, Unit 1  
Facility Operating License No. DRP-70  
NRC Docket No. 50-272

Subject: **Special Report 272/12-003-00, pursuant to the Requirements of Salem Unit 1 Technical Specification (TS) 3.5.2, Action b, for SI Accumulated Actuation cycles to date.**

This Special Report is being submitted pursuant to the requirements of Salem Unit 1 Technical Specification (TS) 3.5.2, Action b. TS 3.5.2 Action b states:

"In the event the ECCS is actuated and injects water into the Reactor Coolant System, a Special Report shall be prepared and submitted to the Commission pursuant to Specification 6.9.2 within 90 days describing the circumstances of the actuation and the total accumulated actuation cycles to date."

#### **DESCRIPTION OF OCCURRENCE**

On April 30, 2012, Salem Unit 1 was operating in Mode 1 at 100% Rated Thermal Power. Instrument and Control technicians were performing a functional surveillance on turbine first-stage pressure transmitter 1PT505. Test preparations require the tripping of High Steam Line Flow bistables which make up the High Steam Line Flow coincident with either the Low Steam Line Pressure or Low-Low Tavg Safety Injection logic of the Solid State Protection System. At 1003 hours (hrs.), upon trip of the second bistable, a Train "A" Safety Injection and Reactor Trip occurred. All SI, Phase A and Containment Ventilation Isolation components actuated as expected for a single train SI. The unit experienced a Main Feedwater Isolation, a Main Steam Isolation, and auto start of the Auxiliary Feedwater (AFW) system and Emergency Diesel Generators.

Operations entered Emergency Operations Procedure 1-EOP-TRIP-1, Reactor Trip or Safety Injection, to respond to the trip and SI. Train B of SI was manually actuated. The

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unit then transitioned to 1-EOP-TRIP-3, Safety Injection Termination, to terminate the SI and realign the plant to transition to Mode 3, Hot Standby conditions.

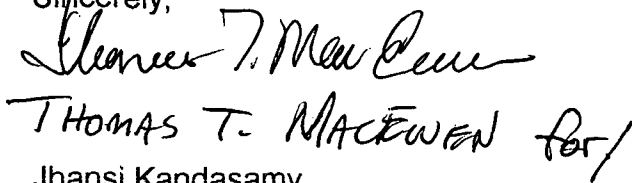
**Accumulated Cycles:**

The total number of accumulated actuation cycles to date for Salem Unit 1 is 22 SI cycles to date.

There are no new commitments in this letter.

If there are any questions, please contact Thomas Cachaza at 856-339-5038.

Sincerely,

Handwritten signature of Thomas T. MacEwen in cursive script.

THOMAS T. MACEWEN for/  
Jhansi Kandasamy  
Manager – Salem Regulatory Assurance

- C W. Dean, Administrator – Region 1
- J. Hughey, Licensing Project Manager – Salem
- D. Schroeder, USNRC Senior Resident Inspector – Salem
- P. Mulligan, Manager, IV, Bureau of Nuclear Engineering
- T. Cachaza, Salem Commitment Coordinator
- L. Marabella, Corporate Commitment Coordinator