

September 14, 2001

Mr. L. W. Myers
Senior Vice President
FirstEnergy Nuclear Operating Company
Beaver Valley Power Station
Post Office Box 4
Shippingport, PA 15077

SUBJECT: BEAVER VALLEY POWER STATION, UNIT NO. 1 (BVPS-1) - UPCOMING
STEAM GENERATOR TUBE INSERVICE INSPECTION (TAC NO. MB2914)

Dear Mr. Myers:

Inservice inspections of steam generator (SG) tubes play a vital role in assuring that adequate structural integrity of the tubes is maintained. As required by the plant Technical Specifications (TSs), reporting requirements range from submitting a special report, within 15 days following completion of each inservice inspection of SG tubes, that identifies the number of tubes plugged and/or repaired; to submitting a special report, within 12 months following completion of the inspection, that provides complete results of the SG tube inservice inspection. The special report containing the complete results should include the following:

1. Number and extent of tubes inspected.
2. Location and percent of wall-thickness penetration for each indication of an imperfection.
3. Identification of tubes plugged and/or repaired.

A phone conference has been requested with members of your staff to discuss the ongoing results of the SG tube inspections to be conducted during the current BVPS-1 refueling outage. It is recommended that this phone conference occur after the majority of the tubes have been inspected, but before the SG inspection activities have been completed. Enclosed is a list of suggested discussion points for this phone conference.

It is the Nuclear Regulatory Commission staff's expectation that any significant results discussed during the phone conference, as well as any materials provided by your staff to

L. Myers

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assist us during the phone conference in the understanding of the SG tube results, be included in one of the special reports required by the plant TSs.

Sincerely,

/RA/

Lawrence J. Burkhart, Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-334

Enclosure: List of Discussion Points

cc w/encl: See next page

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STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

FIRSTENERGY NUCLEAR OPERATING COMPANY, ET AL. (FENOC)

BEAVER VALLEY POWER STATION, UNIT NO. 1 (BVPS-1)

DOCKET NO. 50-334

The following discussion points have been prepared to facilitate a phone conference with FENOC staff to discuss the results of the steam generator (SG) tube inspections to be conducted during the current BVPS-1 refueling outage. The Nuclear Regulatory Commission (NRC) staff has requested that this phone conference be scheduled to occur towards the end of the planned SG tube inspection interval, but before the unit exits its refueling outage.

It is the NRC staff's expectation that any significant results or relevant trends discussed during the phone conference, as well as any materials provided by the FENOC staff to assist us during the phone conference in the understanding of the SG tube results, be included in one of the special reports required by the plant Technical Specifications.

1. Discuss whether any primary-to-secondary leakage existed in this unit prior to shutdown.
2. Discuss the results of secondary-side hydrostatic tests.
3. For each SG, provide a general description of areas examined, including the expansion criteria utilized and type of probe used in each area.
4. For analyzed eddy current results, describe bobbin indications (those not examined with rotating pancake coil [RPC]) and RPC/Plus Point/Cecco indications. Include the following information in the discussion: location, number, degradation mode, disposition, and voltages/depths/lengths of significant indications.
5. Describe repair/plugging plans for the SG tubes that meet the repair/plugging criteria.
6. Discuss the previous history of SG tube inspection results, including any "look backs" performed.
7. Discuss, in general, the new inspection findings.
8. Describe in-situ pressure test plans and results, if applicable and available, including tube selection criteria.
9. Describe tube pull plans and preliminary results, if applicable and available; include tube selection criteria.
10. Discuss the assessment of tube integrity for the previous operating cycle.

ENCLOSURE

11. Discuss the assessment of tube integrity for the next operating cycle.
12. Provide the schedule for SG-related activities during the remainder of the current outage.
13. Discuss what steps have been taken, or will be taken, in response to the lessons learned from the Indian Point Unit 2 tube failure. In addition, please be prepared to discuss the following:
 - a) Discuss the actions that are taken in response to identifying a new degradation mechanism, and
 - b) Discuss the actions taken to ensure that data noise levels are acceptable, and
 - c) Address data quality issues and the need for criteria to address data quality.