

February 4, 2003

Mr. Mark B. Bezilla
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. MB7271)

Dear Mr. Bezilla:

Inservice inspections (ISI) 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 ISI 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 ISI. The special report containing the complete results shall 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.

The Nuclear Regulatory Commission (NRC) staff requests a phone conference with members of your staff to discuss the results of the SG tube inspections to be conducted during the upcoming BVPS-1 refueling outage (1R15). The phone call would occur after the majority of the tubes have been inspected, but before the SG inspection activities are completed. Enclosed is a list of discussion points to facilitate this phone conference.

The NRC staff plans to document a brief summary of the conference call as well as any material that you provide to the staff in support of the call.

M. Bezilla

- 2 -

Please contact me if you have any questions or suggestions regarding this issue. Thank you for your support in this area.

Sincerely,

/RA/

Daniel S. Collins, Senior 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

M. Bezilla

- 2 -

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Daniel S. Collins, Senior Project Manager, Section 1
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cc w/encl: See next page

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*see previous concurrence

OFFICE	PDI-1/PM	PDI-2/LA	EMCB/SC	PDI-1/SC
NAME	DCollins	SLittle for MO'Brien	ALLund*	RLaufer
DATE	1/30/03	1/31/03	01-21-03	1/31/03

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STEAM GENERATOR (SG) TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

FIRSTENERGY NUCLEAR OPERATING COMPANY

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

DOCKET NO. 50-334

The following discussion points have been prepared to facilitate the phone conference arranged with the FirstEnergy Nuclear Operating Company (FENOC) to discuss the results of the SG tube inspections to be conducted during the spring 2003 upcoming BVPS-1 refueling outage (1R15). This phone call will be scheduled to occur toward the end of the planned SG tube inspections, but before the unit exits its refueling outage.

The staff plans to document a brief summary of the conference call as well as any material that you may provide to the staff in support of the call.

1. Discuss whether any primary-to-secondary leakage existed in this unit prior to shutdown. Include values of any calculated leakage and trends relative to previous outages.
2. Discuss the results of secondary side pressure 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. Also, please be prepared to discuss your inspection of the tube within the tubesheet, particularly the portion of the tube below the expansion/transition region.
4. Discuss any exceptions taken to the industry guidelines.
5. Provide a summary of the number of indications identified to-date of each degradation mode and SG tube location (e.g., tube support plate, top-of-tubesheet, etc.). Also provide information, such as voltages, and estimated depths and lengths of the most significant indications.
6. Describe repair/plugging plans for the SG tubes that meet the repair/plugging criteria.
7. Discuss the previous history of SG tube inspection results, including any "look backs" performed; specifically for significant indications or indications where "look backs" are used in support of dispositioning (e.g., manufacturing burnish marks).
8. Discuss, in general, new inspection findings (e.g., degradation mode or location of degradation new to this unit).

Enclosure

9. If steam generators contain Alloy 600 thermally treated tubing, discuss actions taken (if any) based on Seabrook's recent findings. Information regarding Seabrook's recent findings may be found in Nuclear Regulatory Commission letters dated July 2, September 20, and November 26, 2002 (ADAMS Accession numbers ML021800003, ML022590328, and ML023300041, respectively).
10. Discuss your use or reliance on inspection probes (eddy current or ultrasonic) other than bobbin and typical rotating probes, if applicable.
11. Describe in-situ pressure test plans and results, if applicable and available, including tube selection criteria.
12. Describe tube pull plans and preliminary results, if applicable and available; including tube selection criteria.
13. Discuss the assessment of tube integrity for the previous operating cycle (i.e., condition monitoring).
14. Discuss the assessment of tube integrity for the next operating cycle (i.e., operational assessment).
15. Provide the schedule for SG-related activities during the remainder of the current outage.