

September 18, 2002

Mr. John L. Skolds, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: BYRON STATION, UNIT 2 - UPCOMING STEAM GENERATOR TUBE  
INSERVICE INSPECTION (TAC NO. MB6310)

Dear Mr. Skolds:

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, 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 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.

A telephone conference has been arranged with members of your staff to discuss the ongoing results of the SG tube inspections to be conducted during the upcoming Byron Station, Unit 2, refueling outage. This telephone call is expected to occur after the majority of the tubes have been inspected, but before the SG inspection activities have been completed. Attached is a list of discussion points to facilitate this telephone conference.

J. Skolds

- 2 -

In response to a recommendation made in the Nuclear Regulatory Commission's Indian Point Nuclear Generating, Unit 2, Lessons Learned Task Group report, the staff plans to document a brief summary of the telephone call as well as any material that you may have provided to the staff in support of the call.

Sincerely,

***/RA/***

George F. Dick, Jr., Project Manager, Section 2  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. STN 50-455

Enclosure: List of Discussion Points

cc w/encl: See next page

J. Skolds

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STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

EXELON GENERATION COMPANY, LLC

BYRON STATION, UNIT 2

DOCKET NO. STN 50-455

The following discussion points have been prepared to facilitate the phone conference arranged with the Exelon Generation Company, LLC, the licensee, to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming Byron Station, Unit 2, refueling outage. This phone call is scheduled to occur towards the end of the planned SG tube inspection interval, 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 the licensee provided to the staff in support of the call.

1. Discuss whether any primary to secondary leakage existed in this unit prior to shutdown.
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, be prepared to discuss the inspection of the tube within the tubesheet, particularly the portion of the tube below the expansion/transition region.
4. 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.
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, specifically for significant indications or indications where look backs are used in support of dispositioning (e.g., manufacturing burnish marks).
7. Discuss, in general, new inspection findings (e.g., degradation mode or location of degradation new to this unit).
8. If steam generators contain Alloy 600 thermally treated tubing, discuss actions taken (if any) based on Seabrook's recent findings.
9. Discuss your use or reliance on inspection probes (eddy current or ultrasonic) other than bobbin and typical rotating probes, if applicable.

ENCLOSURE

10. Describe in-situ pressure test plans and results, if applicable and available, including tube selection criteria.
11. Describe tube pull plans and preliminary results, if applicable and available; include tube selection criteria.
12. Discuss the assessment of tube integrity for the previous operating cycle (i.e., condition monitoring).
13. Discuss the assessment of tube integrity for next operating cycle (i.e., operational assessment).
14. Provide the schedule for SG-related activities during the remainder of the current outage.