

September 13, 2002

Mr. William R. McCollum, Jr.
Vice President, Oconee Site
Duke Energy Corporation
7800 Rochester Highway
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION, UNIT 2 - UPCOMING STEAM GENERATOR
TUBE INSERVICE INSPECTION

Dear Mr. McCollum:

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 phone 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 Oconee Nuclear Station, Unit 2 refueling outage. This phone call will occur after the majority of the tubes have been inspected, but before the SG inspection activities have been completed. Enclosed is a list of discussion points to facilitate this phone conference.

In response to a recommendation made in the NRC's Indian Point 2 (IP2) Lessons Learned Task Group report, the staff plans to document a brief summary of the conference call as well as any material that you may have provided to the staff in support of the call.

Sincerely,

/RA/

Leonard N. Olshan, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-270

Enclosure: As stated

cc w/encl: See next page

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STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

DUKE ENERGY CORPORATION

OCONEE NUCLEAR STATION, UNIT 2

DOCKET NO. 50-270

The following discussion points have been prepared to facilitate the phone conference arranged with Duke Energy Corporation to discuss the results of the SG tube inspections to be conducted during the upcoming Oconee Nuclear 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 you may have 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 steam generator, 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 your inspection of the tube within the tubesheet, particularly the portion of the tube below the expansion/transition region.
4. Once Through Steam Generators - If you have Babcock and Wilcox (B&W) welded plugs installed in the steam generators, be prepared to discuss the actions taken in response to Framatome's notification of the effect of tubesheet hole dilation on the service life of B&W welded plugs.
5. Once Through Steam Generators - Describe your inspection/plugging plans with respect to the industry identified severed tube issue (NRC Information Notice (IN) 2002-02 and IN 2002-02, Supplement 1).
6. Provide a summary of the number of indications identified to-date of each degradation mode and steam generator 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.
7. Describe repair/plugging plans for the SG tubes that meet the repair/plugging criteria.
8. 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).

Enclosure

9. Discuss, in general, new inspection findings (e.g., degradation mode or location of degradation new to this unit).
10. If steam generators contain Alloy 600 thermally treated tubing, discuss actions taken (if any) based on Seabrook's recent findings?
11. Discuss your use or reliance on inspection probes (eddy current or ultrasonic) other than bobbin and typical rotating probes, if applicable.
12. Describe in-situ pressure test plans and results, if applicable and available, including tube selection criteria.
13. Describe tube pull plans and preliminary results, if applicable and available; include tube selection criteria.
14. Discuss the assessment of tube integrity for the previous operating cycle (i.e., condition monitoring).
15. Discuss the assessment of tube integrity for next operating cycle (i.e., operational assessment).
16. Provide the schedule for steam generator-related activities during the remainder of the current outage.

Oconee Nuclear Station

cc:

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