

March 9, 2001

Mr. Craig G. Anderson
Vice President, Operations ANO
Entergy Operations, Inc.
1448 S. R. 333
Russellville, AR 72801

SUBJECT: ARKANSAS NUCLEAR ONE, UNIT 1 - UPCOMING STEAM GENERATOR
TUBE INSERVICE INSPECTION

Dear Mr. Anderson:

This letter is to inform you that a telephone conference will be arranged with members of your staff to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming Arkansas Nuclear One, Unit 1 (ANO-1) refueling outage. Inservice inspections of SG tubes play a vital role in assuring that adequate structural integrity of the tubes is maintained. The Technical Specifications (TS) for ANO-1 contain reporting requirements for SG inspections. In addition to the formal reports, the staff has found it useful to have a telephone conference call with licensees during the actual inspection of SG tubes. We have had such discussions with your staff during previous ANO outages. The planned telephone call with your staff will 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.

It is the staff's expectation that any significant results discussed during the telephone conference, as well as any insightful information provided by your staff to assist us during the telephone conference in the understanding of the SG tube results, will be included in one of the reports required by the ANO-1 TS. Please contact me if you have any questions about the call.

Sincerely,

/RA/

William Reckley, Project Manager, Section 1
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-313

Enclosure: List of Discussion Points

cc: See next page

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STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

ENERGY OPERATIONS, INC.

ARKANSAS NUCLEAR ONE, UNIT 1

DOCKET NO. 50-313

The following discussion points have been prepared to facilitate the telephone conference arranged with the Arkansas Nuclear One, Unit 1 (ANO-1) licensee to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming refueling outage. This telephone call is scheduled to occur towards the end of the planned SG tube inspection interval, but before the unit exits its refueling outage.

It is the staff's expectation that any significant results or relevant trends discussed during the telephone conference, as well as any insightful information provided by your staff to assist us in the understanding of the SG tube results, will 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 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.

Enclosure

10. Discuss the assessment of tube integrity for the previous operating cycle.
11. Discuss the assessment of tube integrity for 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 Nuclear Generating Station, Unit 2 tube failure. In addition, please be prepared to discuss the following:
 - a) the actions that are taken in response to identifying a new degradation mechanism,
 - b) the actions taken to ensure that data noise levels are acceptable, and
 - c) data quality issues and the need for criteria to address data quality.
14. Discuss the indications related to the re-roll repair methodology (including any indications of circumferential cracks) and the population of tubes with indications of outer diameter intergranular attack.