

From: Lamb, John
Sent: Wednesday, February 23, 2022 11:08 AM
To: Gayheart, Cheryl Ann
Cc: Joyce, Ryan M.; Lowery, Ken G.; Pournaras, DeLisa S.; Carusone, Caroline; Markley, Michael; Bloom, Steven; Johnson, Andrew; Klein, Paul; Terry, Leslie; Makar, Gregory; Blamey, Alan; Mas-Penaranda, Delza; Safouri, Chris; Magyar, Michael
Subject: Vogtle Electric Generating Plant, Unit 2 - Upcoming Steam Generator Tube Inspection (EPID: L-2022-LRO-0012)

Importance: High

Dear Ms. Gayheart:

Inservice inspections of steam generator (SG) tubes play a vital role in assuring SG tube integrity. A telephone conference call will be arranged with members of the Southern Nuclear Operating Company (SNC) staff to discuss the ongoing results of the SG tube inspections to be conducted during the upcoming Vogtle Electric Generating Plant (Vogtle), Unit 2, refueling outage. This call will occur after the majority of the Vogtle, Unit 2, tubes have been inspected, but before the SG inspection activities have been completed. Enclosed is a list of discussion points to facilitate this call.

The U.S. Nuclear Regulatory Commission (NRC) staff will document a publicly available summary of the conference call, including any material that SNC provides to the NRC staff in support of the call. The NRC staff will await SNC's availability for the conference call, then schedule the call in TEAMS.

Should you have any questions you can contact me at 301-415-3100.

Sincerely,
John G. Lamb, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-425
Enclosure: Steam Generator Tube Inspection Discussion Points

ENCLOSURE

STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

The following discussion points have been prepared to facilitate the conference call arranged with the licensee to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming spring 2022 Vogtle Electric Generating Plant (Vogtle), Unit 2, refueling outage. This conference call is scheduled to occur towards the end of the planned SG tube inspections, but before the Vogtle, Unit 2, completes the inspections and repairs.

The NRC staff plans to document a publicly available summary of the conference call, as well as any material that is provided in support of the call.

1. Discuss any trends in the amount of primary-to-secondary leakage observed during the recently completed cycle.
2. Discuss whether any secondary side pressure tests were performed during the outage and the associated results.
3. Discuss any exceptions taken to the industry guidelines.
4. For each SG, provide a description of the inspections performed including the areas examined and the probes used (e.g., dents/dings, sleeves, expansion-transition, U-bends with a rotating probe), the scope of the inspection (e.g., 100 percent of dents/dings greater than 5 volts and a 20 percent sample between 2 and 5 volts), and the expansion criteria.
5. For each area examined (e.g., tube supports, dent/dings, sleeves, etc), provide the following:
 - a. A summary of the number of indications identified to date for each degradation mode (e.g., number of circumferential primary water stress corrosion cracking indications at the expansion transition).
 - b. For the most significant indications in each area, provide an estimate of the severity of the indication (e.g., voltage, depth, and length of the indication), including whether SG tube integrity (structural and accident induced leakage integrity) was maintained during the previous operating cycle. In addition, discuss any analyses performed specifically for the most significant indications to demonstrate tube integrity.
 - c. Discuss whether any location exhibited a degradation mode that had not previously been observed at this location at Vogtle, Unit 2 (e.g., observed circumferential primary water stress corrosion cracking at the expansion transition for the first time at this unit).
6. Describe repair/plugging plans.
7. Describe in-situ pressure test and tube pull plans and results (as applicable and if available).
8. Discuss the following regarding loose parts:
 - a. The inspections performed to detect loose parts.
 - b. A description of any loose parts detected and their location within the SG (including the source or nature of the loose part, if known).
 - c. If the loose parts were removed from the SG.
 - d. Indications of SG tube damage associated with the loose parts.
9. Discuss the scope and results of any secondary side inspection and maintenance activities (e.g., in-bundle visual inspections, feeding inspections, sludge lancing, assessing deposit loading, etc).

10. Discuss any unexpected or unusual results.

11. Provide the schedule for SG-related activities during the remainder of the current outage

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From: Lamb, John

Created By: John.Lamb@nrc.gov

Recipients:

"Joyce, Ryan M." <RMJOYCE@southernco.com>
Tracking Status: None
"Lowery, Ken G." <KGLOWERY@southernco.com>
Tracking Status: None
"Pournaras, DeLisa S." <DSPOURNA@SOUTHERNCO.COM>
Tracking Status: None
"Carusone, Caroline" <caroline.carusone@nrc.gov>
Tracking Status: None
"Markley, Michael" <Michael.Markley@nrc.gov>
Tracking Status: None
"Bloom, Steven" <Steven.Bloom@nrc.gov>
Tracking Status: None
"Johnson, Andrew" <Andrew.Johnson@nrc.gov>
Tracking Status: None
"Klein, Paul" <Paul.Klein@nrc.gov>
Tracking Status: None
"Terry, Leslie" <Leslie.Terry@nrc.gov>
Tracking Status: None
"Makar, Gregory" <Gregory.Makar@nrc.gov>
Tracking Status: None
"Blamey, Alan" <Alan.Blamey@nrc.gov>
Tracking Status: None
"Mas-Penaranda, Delza" <Delza.Mas-Penaranda@nrc.gov>
Tracking Status: None
"Safouri, Chris" <Christopher.Safouri@nrc.gov>
Tracking Status: None
"Magyar, Michael" <Michael.Magyar@nrc.gov>
Tracking Status: None
"Gayheart, Cheryl Ann" <CAGAYHEA@SOUTHERNCO.COM>
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