

From: [Justin Poole \(He/Him\)](#)
To: [James Miksa](#); [Amy Filbrandt](#)
Subject: Steam Generator Outage Call
Date: Wednesday, August 28, 2024 2:09:00 PM

Jim/Amy,

Inservice inspections of steam generator tubes play a vital role in assuring SG tube integrity. A telephone conference call has been arranged with members of your staff to discuss the ongoing results of the steam generator tube inspections to be conducted during the upcoming inspection at Palisades Nuclear Plant. This call will occur after the majority of the tubes have been inspected, but before the steam generator inspection activities have been completed.

Below is a list of discussion points to facilitate this call.

The NRC staff will document a publicly available summary of the conference call, including any material that you provide to the NRC staff in support of the call.

Should you have any questions you can contact me.

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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 tube inspections to be conducted during the upcoming steam generator inspection. This conference call is scheduled to occur towards the end of the planned SG tube inspections, but before the unit 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 most 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 steam generator, 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% of dents/dings greater than 5 volts and a 20% 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 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).
 - ☐☐☐ 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 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.
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:
 - ☐☐☐ The inspections performed to detect loose parts.
 - ☐☐☐ A description of any loose parts detected and their location within the SG (including the source or nature of the loose part, if known).
 - ☐☐☐ If the loose parts were removed from the SG.
 - ☐☐☐ Indications of 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 steam generator-related activities during the remainder of the current outage.
 12. Discuss any actions taken or plans for obtaining water samples or deposit samples (e.g., sludge pile, tube scale, etc.) to evaluate potential detrimental chemistry

conditions or contaminants (e.g., chlorides, sulfates, Pb) during the plant shutdown.