

**From:** Mahesh Chawla  
**To:** llahti@entergy.com  
**Date:** 08/23/2007 1:24:24 PM  
**Subject:** **MD 6564 - STEAM GENERATOR TUBE INSPECTION DISCUSSION DURING UPCOMING PALISADES OUTAGE**

The NRC staff would like to discuss the results of the SG tube inspections to be conducted during the upcoming Palisades Nuclear Generating Station refueling outage. This phone call shall be scheduled towards the end of the planned SG tube inspection interval, but before the unit completes the inspections and repairs. Please inform me when you get to that point so I can arrange a teleconference with the staff. Following are the points of discussion:

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 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 a summary of the number of indications identified to-date of 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., provide the voltage, depth, and length of the indication). In particular, address whether tube integrity (structural and accident induced leakage integrity) was maintained during the previous operating cycle. In addition, discuss whether any location exhibited a degradation mode that had not previously been observed at this location at this unit (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. Provide the schedule for steam generator-related activities during the remainder of the current outage.
9. Discuss the following regarding loose parts:
  - what inspections are performed to detect loose parts
  - a description of any loose parts detected and their location within the SG
  - if the loose parts were removed from the SG
  - indications of tube damage associated with the loose parts
  - the source or nature of the loose parts if known

10. Discuss the results of any secondary side inspections.
11. Discuss any unexpected or unusual results.

**CC:** Allen Hiser; John Burke; Justin Poole; Kenneth Karwoski

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