

**SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)
STEAM GENERATOR REPAIR TEAM (SGR_T)**

Revised

MEETING PURPOSE: 1400 11/16/12 MHI Video Conference Presentation

- The purpose of the meeting was for MHI present the results to date in the development of repairs for the installed steam generators, "Verification of Repair Method for Tube Vibration" (Attachment 1).

SUMMARY:

Discussion

- REDACTED of MHI presented "Verification of Repair Method for Tube Vibration" presentation (Attachment 1) using a video conference with MHI Kobe for support.
- MHI presented three types of anti-vibration bar (AVBs) repair which are under development.
 - "Thicker AVBs" installed through the existing access (Type 1 repair).
 - "30 Degree AVBs" installed by removal of the steam generator dome (Type 2 repair).
 - "Combe Type AVB's" installed through the existing access (Type 1 repair).
- SCE identified concerns to MHI with the Type 1 and Type 2 repairs which need to be considered in the 11/30/12 MHI submittal for a selected repair:
 - Wear be addressed for the 'loose end' of the 30 degree AVB within the bundle need to be addressed.
 - Insertion forces affect may create scratches or dings.
 - Installation time under actual containment conditions still needs to be addressed. (The mock up plan does consider installation under more realistic conditions. This has not been performed.
 - MHI is in the process of performing the wear calculations to demonstrate the ability of the proposed options to restore the SG for 40 years.
 - Stay time for dose estimates were based on installation times from mock up conditions. Actual dose is likely to be greater than the estimates.
- MHI concluded that the "Thicker AVBs" are remain feasible , the "30 degree AVBs" are challenging and the "Comb type AVBs" are not feasible.

Action Items:

- None

Attachments: Attendees, Handouts