

Partial

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

MEETING PURPOSE: 09/21/12 MHI Repair Option Matrix Meeting

The purpose of the meeting was to discuss MHI proposed repair/replace options matrix for SONGS Steam Generators.

SUMMARY:

- MHI presented the repair/replace options matrices for the SONGS Steam Generators. The data was provided in two formats;
 - a) by parameter addressed, i.e., Thermal Hydraulics, Structural Reinforcement or both, and
 - b) by difficulty of installation.
- MHI indicated that a number of proposed options provided will be eliminated, reducing the number of option to a half dozen (possibly in October), and then to a single recommended option at the end of November.
- There was much discussion about 'acceptance criteria' for a successful modification (i.e., void fraction, velocity, etc). SCE's position is that SCE has provided the "performance criteria" (Resolve T/H, Restore Tube plugging margin, Return to Post SGR 100% power, be able to operate for 40 years, and be able to obtain NRC approval. SCE is not a component designer and expects a recommendation to come from MHI.

ACTION ITEM STATUS:

- The following action items were identified:
 - MHI to re-review Option 1.4, (stay cylinder effect) to see if the overall benefit was in fact very little (SCE and MHI were both surprised at the analysis result, may need to look at sensitivity of number of tubes, look at modeling of TS Plate Number 7, or other analytical method).
 - MHI to provide void fraction, highest steam and velocity for every T/H including current void fraction, highest steam and velocity for the current Steam Generators.
 - MHI / SCE Senior managers to discuss the 11/30 date for modification recommendation provided last week.
 - SCE to provide comments on MHI provided repair/replace options matrix.
 - SCE to provide data for NRC Acceptability / Licensing column identified in MHI provided repair/replace options matrix.

Attachments: Attendees, Handouts