

WORKSHOP ON LESSONS LEARNED IN THE LICENSING AND TOPICAL REPORT REVIEWS FOR DIGITAL INSTRUMENTATION AND CONTROL (DI&C)

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Background

- The TR (WCAP-17867-P, Revision 0, "Westinghouse SSPS Board Replacement Licensing Summary Report,") was submitted to the NRC on February 21, 2014
- The NRC Acceptance Letter was issued on March 25, 2014
- The RAIs were formally issued on May 7, 2014
- The RAI responses were transmitted on June 20, 2014
- The NRC Fee Waiver Letter was issued on August 18, 2014
- WCAP-17867-P, Revision 1, was transmitted on August 25, 2014

Background (cont.)

- The Draft Safety Evaluation (DSE) was issued on September 11, 2014
- The NRC issued the Final Safety Evaluation (FSE) for WCAP-17867-P on September 19, 2014
- The FSE was issued 7 months after the TR was submitted to the NRC for review and approval
- Enforcement Guidance Memorandum (EGM) 14-002 was issued on October 2, 2014
- WCAP-17867-P-A, Revision 1 was transmitted to the NRC on October 8, 2014
- The NRC issued their verification letter for WCAP-17867-P-A, Revision 1 (the approved version of the Topical Report) on December 16, 2014

Summary of Lessons Learned

- Two key lessons learned were the use of multiple lines of communication, and oversight by both the PWROG and NRC management to ensure that the review schedule was met

Communications

- Three PWROG-NRC meetings were held:
 - April 5, 2013
 - October 30, 2013
 - January 10, 2014
- The meetings occurred before the TR was submitted to better understand the staff and industry concerns and expected outcomes

Communications (cont.)

- The NRC conducted two Audits:
 - April 7-11, 2014
 - July 15-17, 2014
- The Audits were working meetings that focused on the exchange of technical information between the Staff reviewers and industry and vendor experts

Communications (cont.)

- Bi-weekly status calls were held initially and weekly status calls were held starting on April 24, 2014
- Provided an open, regularly scheduled, forum that ensured focus on the objective
- Each NRC Action Item was discussed (in the form of questions/responses), and the calls provided a forum for a free exchange of information including any concerns, opinions and/or changes in direction

Communications (cont.)

- Sharepoint Website Portal
 - The meeting minutes that were posted from previous calls identified the Action Items that were closed and those that remained open and served as an agenda for the weekly calls
 - A collated Action Item list facilitated the identification and agreement of questions/issues that needed to be addressed
 - Provided the capability for the PWROG to post responses to questions/issues, as well as draft revisions to Sections of the TR, which facilitated an expedited review and agreement, as opposed to the formal written RAI process
 - Provided the capability for the NRC to informally transmit preliminary draft documents to the PWROG (i.e., advance draft RAIs, advance draft Safety Evaluation, etc.)

PWROG and NRC Management

- Management ensured that the review schedule was met by ensuring the timely identification and resolution of the issues/questions on the TR
- The schedule for the review and approval of the TR was based on the installation of the new design boards at a plant, which provided a defined schedule that both the PWROG and NRC worked to meet
- The NRC, Industry and OEM realized the importance of project to resolve the issue, therefore the management assigned the resources (design experts, licensing experts, etc.) necessary to support the project

PWROG and NRC Management (cont.)

- Utility participation via the PWROG SSPS Core Team provided the licensee and plant perspective regarding the need to install the new design SSPS boards
- Both the PWROG and NRC upper management levels were involved throughout the entire project