

Westinghouse's ISG-06 Review Process Lessons Learned

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Topics

- Westinghouse's Diablo Canyon PPS Upgrade Project Scope Overview
- Specific Lessons Learned
 - SharePoint Site
 - Open Items Table
 - Submittal of Project Documentation
 - Communication between vendor and the regulator

Westinghouse's Diablo Canyon PPS Upgrade Project Scope Overview

- Project replaces the Westinghouse Eagle 21 Protection System
- Advanced Logic System™ (ALS™) Safety System Platform
Scope Of Supply
 - Executes safety functions where the former D3 analyses credit backup manual action under 30 minutes
 - Low reactor coolant flow mitigation of loss of reactor coolant flow due to a locked rotor
 - Low Pressurizer Pressure mitigation of RCS depressurization, steam line break and Loss of Coolant Accident (LOCA)
 - High Containment pressure mitigation of steam line break and LOCA.
 - RTD signal conditioning for input to the Tricon scope of supply



Lessons Learned 1: SharePoint Site

➤ Benefits

- Convenient means to post project documentation for NRC review/use
- Avoids unnecessary docketing of material
- NRC can receive documents quickly moving the review forward
- Docketing becomes a formality

➤ Potential improvements

- Westinghouse had no access to NRC side of the SharePoint site
 - Westinghouse could not view which revisions of project documentation NRC were reviewing. Led to communication challenges in open item meetings.
- Consider using vendor controlled SharePoint site

Lessons Learned 2: Open Items Table

➤ Benefits

- Efficient means to address technical issues
- Predecessor to formal RAI process
- Supported a collaborative and efficient process between NRC, Licensee and Vendors in addressing and resolving project issues
- Eliminates delay time in NRC reviews
- RAIs become a formality to docket responses

➤ Potential Improvements

- Use SharePoint site to capture updates to the open items list based on public meetings
- Provide (read only) access to the open items list on SharePoint site for vendors
- Use a WebEx type of tool to share the open item table during public meetings

Lessons Learned 3: Submittal of Project Documentation

- ISG-06 Phase 2 Table requires project documentation to be docketed too early in the process (12 months before LAR approval).
- Project Documentation continues to be revised in the 12 months prior to LAR approval.
- The SharePoint site should be used for posting project documentation as they are revised during project execution, and only formally docket when documentation is stable.

Lessons Learned 4: Communication between vendor and regulator

- **Benefits**
 - Regular public meetings are an effective tool to allow open communication between the vendor and the regulator – with the licensee directly involved.

- **Potential improvements**
 - Additional specific communication between the vendor and the NRC could help improve overall communications on the project.
 - Improvement suggestion: define an allowable method and frequency for direct, proprietary communications between the vendor and the NRC with licensee present.

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