



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Subsequent License Renewal (SLR)

Lessons Learned

Public Meeting #4

Session 2

April 7, 2020



AGENDA

- Welcome and Introductions
- Followup from the March 25, 2020 Public Telecon
- Status of SLR-ISG Set 1
- Proposed Revisions to F-J Notes
- MRP-227 Rev 1A Gap Analysis
- Summary/Next Actions
- Next Lessons Learned Meeting
- Closeout and Adjourn



Followup from the 3/25 Telecon

- Vessel Supports
- Item #15 of the F-J list (aging effects in fiberglass tanks)
- XI.M42 (internal coatings)
- XI.S1 (IWE)
- XI.M16A (PWR vessel internals)
- XI.S8 (protective coatings)
- Approach to addressing F-J items



ISG Set 1

- Focus on revisions proposed by the industry
- Available for use and comment
- Revisions to AMPs, TLAAs, and F-J Notes
- 4 ISGs
 - Mechanical
 - Structural
 - Electrical
 - PWR Vessel Internals



ISG Set 1

- Tentative Schedule
 - May 15: complete revisions
 - June 15: proposed ISGs publicly available for use and comment
 - At least 2 public meetings during comment period
 - July 15: public comments received
 - September 15: Final revisions
 - October 15: Final ISGs issued

Revisions to F-J Notes

- Diesel Fuel Oil
 - Management of reduction of heat transfer in heat exchanger tubes
 - Management of LOM for Ni alloy strainer components in fuel environment
 - Management of cracking, blistering, and LOM in polymeric tanks exposed to fuel oil environment



Revisions to F-J Notes

- Compressed Air
 - Management of loss of coating for compressed air steel tanks with internal coatings
 - Management of LOM for compressed air steel tanks with internal coatings



Revisions to F-J Notes

- Auxiliary and Radwaste Area Ventilation
 - Management of LOM/wear in elastomers exposed to condensation
- Emergency Diesel Generator
 - Management of LOM/pitting, crevice corrosion in zinc exposed to lubricating oil



Revisions to F-J Notes

- Open Cycle Cooling Water
 - Management of LOM/general, pitting, crevice corrosion in zinc exposed to condensation environment
 - Revise VII.C1.A-400 and VII.C3.A-400 to specify XI.M20 and XI.M38



Revisions to F-J Notes

- Chemical and Volume Control
 - Management of LOM/general, pitting, crevice corrosion in carbon steel, stainless steel, and copper alloy exposed to treated water environment



Revisions to F-J Notes

- Electrical Components
 - Revise VI.A.LP-32 and VI.A.LP-28 to manage LOM and reduced electrical insulation in high-voltage insulators

Revisions to F-J Notes

- Fire Protection
 - Management of cracking or LOM in subliming compound fireproofing/fire barriers
 - Management of cracking and LOM in cementitious fireproofing/fire barriers
 - Management of cracking and LOM in aluminum silicate fireproofing/fire barriers



Revisions to F-J Notes

- Group 5 Structures
 - TLAA management of stainless steel spent fuel pool liner plate fatigue



Revisions to F-J Notes

- Reactor Vessel Internals –
Westinghouse
 - Revise RVI components to reflect primary, expansion, and existing component inspections by MRP-227 Rev 1-A. Note new materials for components with stellite wear surfaces



MRP-227 Rev 1A Gap Analysis

Next Actions

- Proposed Industry Revisions (Set 1)
 - Prepare Set 1 Draft ISGs for use and comment
 - 30-day comment period
 - Public meetings will be scheduled during comment period
 - ISGs will be revised, as needed, based on public comments
 - Final ISGs will be issued



Next Actions

- Staff-Initiated Revisions (Set 2)
 - Revisions will be addressed after the Set 1 ISGs are issued



Next Lessons Learned Meeting

- July
 - Topics
 - Embark Venture Studios
 - Status of Set 1 ISGs
 - Plans for Set 2 ISGs