

Engineering Inspections

Douglas Bollock
IRIB/DRO/NRR

Engineering Inspection Program Starting in 2023

- 4 Engineering inspections will be conducted at each site in during the 4-year cycle.
- Comprehensive Engineering Team Inspection (CETI)
 - Combines the current IP 71111.21M Design Bases Assurance Inspection (Team) with the triennial portions of IP 71111.07 “Heat Exchanger/Sink Performance”, and IP 71111.17T, “Evaluations of Changes, Tests and Experiments”
- 3 Focused Engineering Inspections (FEI)s.
 - IP 71111.21N.05 “Fire Protection Team Inspection,”
 - *IP 71111.21N.03 “Commercial Grade Dedication,” and
 - *IP 71111.21N.04 “Age-Related Degradation”

New Focused Engineering Inspections

- Commercial Grade Dedication (CGD)
 - Inspection Procedure IP71111.21N.03 (ML22075A251)
 - First public meeting was on September 20 (ML22249A232)
 - Next public meeting on October 13 in the Region 2, Atlanta GA.

New Focused Engineering Inspections

- Age-Related Degradation (ARD)
 - Inspection Procedure IP71111.21N.04 is in development. To be completed and publicly available by end of December 2022
 - First ARD inspections to begin after July 2023

Age-Related Degradation Inspection

DRAFT Objectives

- To verify the effectiveness of maintenance activities for aging plant structures, systems, and components (SSCs) in order to minimize the likelihood of failures and events caused by the lack of effective maintenance.
- To verify that age related performance or condition problems for plant SSCs are appropriately identified, addressed, and corrected.

Age-Related Degradation Inspection

- ARD inspection will sample both active and passive components
- This is NOT an aging-management program inspection.
 - Age-related issues, aging components or phenomenon that accelerates the age of components.

Questions?