

Hope Creek 10 CFR 50.69 License Amendment Request

Pre-Submittal Meeting
November 12, 2019



Agenda

Introduction/Opening Remarks

Hope Creek Submittal Overview

- PRA Technical Adequacy
- Deviations from NEI 00-04
 - Passive Categorization
 - Seismic Justification

Schedule

Closing Remarks

Model - Internal Events (With Internal Flooding)

- Probabilistic Risk Assessment (PRA) model technical adequacy previously evaluated by Staff
 - Inverter allowed outage time
- Facts & Observations (F&O) closure peer review performed 2017 in accordance with NEI 05-04 Appendix X.
- Peer Review closed all F&Os meeting closure requirements. Upgrades verified to have been peer reviewed.
- Changes to as-built, as-operated plant reviewed periodically to determine if model impacts require off-cycle update.
- Sensitivity studies in accordance with NEI 00-04 for areas such as Human Reliability Analysis (HRA) and Common Cause Failures (CCF).
- Sensitivity study for FLEX to determine FLEX human event impacts.

PRA Technical Adequacy – Current PRA Models

Model – Fire PRA

- Fire Probabilistic Risk Assessment (PRA) model technical adequacy previously evaluated by Staff
 - Inverter allowed outage time
- Facts & Observations (F&O) closure peer review performed September 2018 with NRC observation in accordance with NEI 05-04 Appendix X.
- Peer Review closed all F&Os meeting closure requirements. Upgrades verified to have been peer reviewed.
- Changes to as-built, as-operated plant reviewed periodically to determine if model impacts require off-cycle update.
- Sensitivity studies in accordance with NEI 00-04 for areas such as Human Reliability Analysis (HRA) and Common Cause Failures (CCF).
- Sensitivity study for FLEX to determine FLEX human event impacts.

Passive Categorization

- Passive components and passive function of active components evaluated using Arkansas Nuclear One Risk-Informed Repair/Replacement Activities (RI-RRA) method.
- Previously approved by NRC for Vogtle 10 CFR 50.69 application.
- ASME Code Class 1 SSCs with pressure retaining function and supports will be assigned as high safety significant (HSS) for passive categorization.
 - Resulting HSS for risk-informed safety classification cannot be changed by integrated decision-making panel (IDP).

Seismic Hazard Assessment

- EPRI Technical Report 3002012988 for seismic considerations in categorization process.
- Basis for meeting Tier 1 site criteria provided.
- System seismic insights to be provided to IDP.
- Lessons learned from lead Tier 1 plant incorporated.

Schedule

- NEI Coordinating Committee review and comment complete.
- LAR submittal target by end of November 2019.

Closing Remarks