U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

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ATTACHED ARE SLIDES WHICH WERE PRESENTED AT THE JANUARY 20,2010 GENERIC TOPICS PUBLIC MEETING WITH INDUSTRY'S DESIGN-CENTERED WORKING GROUPS

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Post-COL Fuel Design License Amendments

Christopher N. Van Wert

NRO/DSRA/SRSB

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Purpose

- To highlight fuel design changes which might be expected as license amendments.
- To discuss NRC review expectations regarding Post-COL fuel design license amendments.
- Expected scope of fuel design license amendments.

Expected Fuel Design License Amendments

- Most fuel design related information in DCD (cladding material, grid design, etc.) is already designated as Tier 2*.
  - These are the areas the NRC expects to possibly see fuel design COL license amendment requests.
  - The changes might impact multiple areas.
- NRC does not expect radical fuel design changes.
  - Radical fuel design changes (e.g. switching from RCCAs to control blades, changing fuel, etc.) might impact items that were designated as Tier 1.

Review Expectations for License Amendments Involving Tier 2* Items

- A departure from a Tier 2* item is treated as a request for a license amendment under 10 CFR 50.90.
- Requires NRC review and approval.
  - Scope of amendment affects complexity of review and scheduling.

Scope of Licensing Amendments

- Review of multiple topical reports could be necessary.
  - Fuel design topical report, impacted safety analysis topical reports, etc.
  - License Amendment Requests based on approved TRs would reduce uncertainty.
- Scheduling
  - Important to inform NRC of tentative schedule and scope to support planning and budgeting.