

Comments/Questions on Vogtle LAR 13-038 and Exemption, Annex Building Structure and Layout Changes (ML14234A423)

Questions/Comments

1. Enclosure 1, Page 12 of 20, Fourth Paragraph—It states in part that the proposed annex building EL. 117 feet-6 inches floor slab thickness increases are currently reflected in the structural configuration of the annex building that was used to analyze the structure for safe shutdown earthquake (SSE) and other design loads and load combinations, thus the structural analysis is not adversely affected. Can you clarify or confirm that the current analysis of record include effect of 8 inch slab (the existing the floor has thickness is 6 inches)?
2. Enclosure 1--This LAR proposes changes to Tier 1 Figure 3.3-11A. LAR 13-019, Annex and Radwaste Building changes also proposes changes to Tier 1 Figure 3.3-11A. Specifically, LAR 13-019 proposes to delete the column line designations. Is there any conflict with these changes with respect to changes proposed in LAR 13-038? Please clarify
3. Enclosure 1, Section 4.1 Applicable Regulatory Requirements/Criteria (pages 16 and 17)—In addition to the fire protection changes, this LAR also contains structural changes (room height and floor thickness changes). However, no criteria are specified or discussed for the structural changes. Please clarify
4. Enclosure 1, Section 4.3, Significant Hazards Consideration, Section 4.3.1(Page 17 of 20)—It appears that the structural changes (room heights and floor thickness) are addressed for the fire protection analysis aspect but not addressed from the structural analysis aspect (How that impact Seismic category II requirements). Please clarify.
5. Minimum gap requirements between Cat 1 and non-Cat 1 structures: What's the revised displacements that meet the seismic interaction criteria as per UFSAR commitments (i.e., the combined displacements must be less than 4 inches clearance between the Annex building and NI)?
6. Provide technical justification on increasing the floor slab thickness from six inches to eight inches at EL. 135'-3" between Column Lines 4 and 4.1 and Column Line E and H, and Room 40552. Similar justification was provided in the LAR for EL. 117'-6" (see Para 4 on Page 12 of 20)
7. Tier 1 Figure 3.3-11A "Annex Building Plan View at EL. 100'-0" "on Page 2 of 18 Elevator shaft and doors are missing. It is inconsistent with other figures in the LAR at elevation 100'

8. Confusion between “Rating” vs. “Category”: In Para 4 on Page 12 of 20 and Para 2 on Page 13 of 20, there is a confusion between “rating” and “category” in the discussion on Technical Evaluation. Rating refers to capacity while Category refers to classification. Should it be Category?

Observation

1. Enclosure 1, Tier 2* changes: Based on review of Enclosure 1 (Table 2-1), it appears that there is only one Tier2* change (Figure 9A-201 (SUNSI Figure)). Can you confirm?