

SummerRAIsPEm Resource

From: Hearn, Peter
Sent: Monday, December 05, 2016 3:46 PM
To: SummerRAIsPEm Resource
Subject: Summer RAI on Auxiliary Building Floor Slab

Below is an Summer RAI. Please place in ADAMS.

Pursuant to 10 CFR 52.98(c) and in accordance with 10 CFR 50.90, South Carolina Electric and Gas Company (SCE) to change thickness of one floor in the auxiliary building above the Component Cooling Water System (CCS) room located at 0'. The proposed change will depart from plant-specific AP1000 Design Control Document (DCD) Tier 1 information and Tier 2* information in the Updated Final Safety Analysis Report (UFSAR).

The proposed change revises the thickness of the floor of the reinforced concrete composite slab (RCCS) from 0'-9" to 05, justifies the change in slab thickness by stating:

The proposed changes to the design of the subject floor as described in the UFSAR are needed because of a discrepancy in design finalization was reached.

The licensee further in the same paragraph indicates:

The proposed change to increase the floor thickness at the location indicated above does not change the design requirements incorporated in UFSAR Subsection 3.8.4 including conformance with American Institute of Steel Construction (AISC) I

Consistent with SRP Section 3.8.4, the applicant has committed to use American Institute of Steel Construction (AISC) reinforced concrete composite elements of category I safety-related structures and components. The licensee indicates no significant effect on margin of safety.

Since the RCCS thickness change leads to increased dead load (DL) by approximately 67%, the staff in order to complete

Describe the *discrepancy between the detailed design and licensing basis that was identified after design finalization* which does not serve the desired function and causes to change the thickness to 15".

Explain the effect of the increase in load from the thickened slab on the margin of safety, and

Address how the increase in mass of the slab was accounted for in the dynamic and static analysis of the structure.

Question Number

Hearing Identifier: Summer_COL_eRAIs
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