

Vogtle Unit 2 Accident Tolerant Fuel (ATF) Lead Test Assemblies (LTAs) with Increased Enrichment

Pre-submittal Meeting
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Background

- Pre-submittal meeting, January 27, 2022.
- Pre-submittal meeting summary dated February 1, 2022 (ML22028A046).
- Topical Report Precedent: SNC GSI-191 one-time exception to LIC-109, LIC-101, and LIC-500 acceptance review criteria dated January 10, 2017 (ML17010A325).

Background

- In License Condition D, an exemption, dated August 21, 1986 (ML012280408), relieved the licensee from having a criticality alarm system and was based on enrichment of less than 4 weight-percent U-235. This License Condition was brought forth to the Renewed License.
- By letter dated October 10, 1989 (ML19327B134), the NRC issued Amendment No. 5 for Vogtle, Unit 2, that allowed up to 4.55 weight percent U-235.

Licensing Questions

- Does SNC plan to submit a one-time exception to LIC-109, LIC-101, and LIC-500 acceptance review criteria for Vogtle, Unit 2, ATF LTA Topical Reports supporting licensing request?
- Besides exemption dated August 21, 1986, please identify if SNC has an exemption that relieves Vogtle, Unit 2, from having a criticality alarm system for fuel greater than 4 weight percent U-235

Licensing Questions

- Please explain the basis for the assertion that License Condition D has no enrichment limit.
- Please explain the basis for the assertion that an exemption from 10 CFR 70.24 is not needed to go to 6 weight percent U-235.
- Please provide the safety basis and justify the assertion criticality monitors are not needed for 6 weight-percent U-235.

Licensing Questions

- During the January 27, 2022, meeting, SNC mentioned the need for changes to TS 4.2.1 and 4.3.1 as well as “Potential Changes” for TS 3.7.18.
- Among other aspects discussed during the meeting on January 27, 2022, the staff had a question regarding the TS Risk Informed Completion Time (RICT) Program.

Licensing Questions

- Has SNC determined if changes to TS 3.7.18 will be required?
- If so, what are those changes?
- Has consideration been given to providing a discussion in the proposed LAR that addresses or confirms that the TS RICT is not impacted by the fuel change?

Licensing Questions

- Provide update on any plan to revise TS 3.7.18
 - “Fuel Assembly Storage in the Fuel Storage Pool,” which was mentioned as a potential change at the January 27, 2022, meeting

The NRC staff did not make any regulatory decisions at today's meeting.