

## **NRR-PMDAPEm Resource**

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**From:** Miller, Ed  
**Sent:** Friday, March 17, 2017 8:05 AM  
**To:** Miller, Ed  
**Subject:** NRC Slides for Mar 13, 2017, Public Meeting  
**Attachments:** RAI 6 slides for Mar 13 2017 Mtg.pptx

Attached are the NRC slides from the March 13, 2017, public meeting with SNC to discuss the Vogtle 4b LAR

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NRC Staff Slides For  
March 13, 2017, Public Meeting  
With SNC Regarding Vogtle 4b LAR

# Accounting for CCF in RICT

- When, prior to exceeding the front stop, there is a high degree of confidence, based on the evidence collected, that there is no common cause failure mechanism that could affect the redundant components

**THEN**

- The licensee can calculate a RICT using nominal CCF probability

# Accounting for CCF in RICT

- If a high degree of confidence cannot be established that there is no common cause failure mechanism that could affect the redundant components

**THEN**

- The licensee must account for the increased possibility of CCF

# Increased Possibility of CCF

- The licensee shall adjust the RICT calculation to numerically account for the increased possibility of CCF, in accordance with RG 1.177, as specified in Section A-1.3.2.1 of Appendix A of the RG. That is, when a component fails, the CCF probability for the remaining redundant components shall be increased to represent the conditional failure probability due to CCF of these components, in order to account for the possibility that the first failure was caused by a CCF mechanism.

**OR**

- Prior to exceeding the front stop, the licensee shall implement RMAs, not already credited in the RICT calculation, that target the success of redundant and/or diverse SSCs that perform the function(s) of the failed SSC, and, if possible, reduce the frequency of initiating events that call upon the function(s) performed by the failed SSC. Documentation of the RMAs shall be available for NRC review.

**OR**

- The licensee shall not exceed the front stop completion time.

# Level of Control

- How the RICT Program addresses CCF is integral to the NRC staff's regulatory decision

**THUS**

- It is appropriate to include this limitation on usage in the TSs as an obligation