

Duran-Hernandez, Doris

From: Sofu, Tanju <tsofu@anl.gov>
Sent: Thursday, August 24, 2017 2:35 PM
To: Mazza, Jan
Subject: [External_Sender] Fwd: Re: Tomorrow's NRC meeting on ARDC

Here are my questions. Sorry I couldn't attend in person or even be able to tune in. But I think these are important questions to consider.

Tanju

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George,

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I am afraid I will not be able to listen to Yeshink's presentation. I will send my questions through the comment line, but in case they are not answering those questions, I wanted to send those to you so that you can read them on my behalf:

- SFR-DC-75 implies that the ICS may perform a safety function. What safety functions are envisioned other than the potential decay heat removal path that is covered in SFR-DC 34-37?
- SFR-DC-76 does not include the phrase “commensurate with the importance of the safety functions” as SFR-DC-75 and 77 do. Doesn't this exclusion imply that ICS has be a safety grade system even though it may not serve any safety function? If the concern is sodium fires, isn't it already addressed in SFR-DC-73 which requires "sodium leakage detection and reaction prevention and mitigation"?
- SFR-DC-77 imposes inspection, testing, and leak detection requirements for the ICS. In what way are these specific ICS requirements differ from the “sodium leakage detection and reaction prevention and mitigation” requirements already covered under SFR-DC-73?

SUNSI Review Complete

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Add= J. Mazza (Jmrm8) - J. Parks (Jdp4)

- The NRC rationale in slide 54 (first bullet) seems to suggest a distinction between “safety related” and “important to safety”. Can you clarify this distinction?
- The NRC rationale in slide 54 (second bullet) seems to suggest that an ICS leakage can “have impact on other aspects (post-accident recovery).” Isn’t this concern already addressed in SFR-DC-73 for “sodium leakage detection and reaction prevention and mitigation”?
- In general, an ICS leakage (without activated coolant) is an operational concern (unless the ICS performs a decay heat removal function). Do SFR-DC-75-77 imply that any ICS leakage will be treated as a postulated accident?

Tanju