NRC FORM 699 (03-2013)

U.S. NUCLEAR REGULATORY COMMISSION

CONVERSATION RECORD

DATE OF SIGNATURE: 02/24/2017

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	DATE OF CONTACT	TYPE OF CONVERSATION
Virginia Electric and Power Company (Dominion)	02/15/2017	☐ E-MAIL ☑ TELEPHONE ☐ INCOMING ☑ OUTGOING
E-MAIL ADDRESS	TELEPHONE NUMBER	

ORGANIZATION	DOCKET NUMBER(S)
Virginia Electric and Power Company (Dominion)	72-16
LICENSE NUMBER(S)	CONTROL NUMBER(S)
SNM-2507	L25121

SUBJECT

Discuss NRC's February 2, 2017, request for information (ML17041A166) on the North Anna Power Station (NAPS) Independent Spent Fuel Storage Installation (ISFSI) license renewal application.

SUMMARY

Virginia Electric and Power Company (Dominion) attendees: Diane Aitken, Tony Banks, Chuck Zalesiak, Chip Combs, Brian Wakeman, Jim Williams, Jim Johnson

AREVA attendees: Tom Edwards, Jason Mantzouranis

NRC attendees: Kristina Banovac, Zhian Li, David Tang, Antonio Rigato

A teleconference was held between NRC, Dominion, and AREVA representatives to discuss NRC's February 2, 2017, request (ML17041A166) for information referenced in Dominion's January 20, 2017, Response to Request for Additional Information on the NAPS ISFSI license renewal application (ML17025A128).

The purpose of the call was to: (1) ensure a common understanding of the requested information; (2) ensure that the information Dominion submits will provide the information needed by the NRC staff to complete its technical review of the application.

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ACTION REQUIRED (IF ANY)

Dominion to provide the requested information to the NRC by March 20, 2017.

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NAME OF PERSON DOCUMENTING CONVERSATION

Kristina Banovac

SIGNATURE

CONVERSATION RECORD (continued)

SUMMARY: (Continued from page 1)

Regarding the analysis of TN-32 surface dose rates (referenced in the 1/20/17 response to RAI 2-2), Dominion plans to submit:
• a summary of the referenced dose analysis that was conducted to support an earlier license amendment request;
• the specific dose calculation referenced in the summary, which contains details on the dose rates vs. distance, method of analysis, model inputs and assumptions, and the calculation results; and
• the MCNP code output files.
The NRC staff noted that this information appears sufficient to address RAI 2-2. If the MCNP output files are extensive, Dominion may follow-up with the NRC staff to discuss which files should be submitted.

Regarding the analysis comparing the amount of hydrogen gas generated in the neutron shield polymer to the amount of hydrogen gas dissolved in the polymer (referenced in the 1/20/17 response to RAI 3-5), Dominion plans to submit:
• a calculation of the amount of combustible gas generated in the neutron shield as it is irradiated vs. what amount of hydrogen remains dissolved in the polymer. AREVA has used this methodology previously.
• a neutron fluence calculation that was an input to the combustible gas calculation.
The NRC staff noted that it is looking for a summary of the methodology, and the information discussed appears sufficient to address RAI 3-5.

Regarding the revised cask drop calculation (referenced in the 1/20/17 response to RAI 3-8), Dominion plans to submit:
• the original calculation of the cask deceleration values for the bottom-end drop and cask tip-over analyses, using the 28-day strength of the concrete;
• Addendum A to the original calculation, which uses the same methodology as the original calculation and calculates the changes in the deceleration values considering concrete hardening over a 60-year timeframe.
The NRC staff noted that this information appears sufficient to address RAI 3-8.

The NRC staff also asked Dominion to explain the meaning of the last sentence in the 1/20/17 response to RAI 2-4, as it was confusing to the staff. Dominion noted that it was meant to be a factual statement related to Dominion's 10 CFR 72.48 change control process. Dominion explained that when it plans to make any change at the NAPS site (e.g., addition of a general-licensed ISFSI pad), Dominion evaluates the effects of the planned change on the Final Safety Analysis Reports (FSARs) for the NAPS operating units and the specific-licensed ISFSI. If any changes need to be made to the specific-licensed ISFSI FSAR to reflect the planned change, then Dominion would review those FSAR changes per 10 CFR 72.48 to determine if Dominion needs prior NRC approval for the changes.

Dominion noted that the submittal of the requested information will include proprietary information, and Dominion will submit the information with the appropriate document markings and affidavit, per 10 CFR 2.390. Dominion estimated that it will submit the information to NRC by March 20, 2017.