

November 3, 2014

MEMORANDUM TO: Anthony H. Hsia, Deputy Director  
Division of Spent Fuel Management, NMSS

FROM: John-Chau Nguyen, Senior Project Manager **/RA/**  
Spent Fuel Licensing Branch  
Division of Spent Fuel Management, NMSS

SUBJECT: SUMMARY OF OCTOBER 7, 2014, PUBLIC MEETING WITH  
DOMINION VIRGINIA POWER TO DISCUSS A FUTURE NORTH ANNA  
LICENSE AMENDMENT REQUEST TO SUPPORT THE HIGH BURNUP  
FUEL IN DRY STORAGE DEMONSTRATION PROJECT (TAC NO.  
L24886)

#### PURPOSE

For Dominion Virginia Power to provide a status update on the high burn-up dry cask demonstration project proposed for the North Anna Power Station.

#### MEETING SUMMARY

The second pre-application meeting took place on October 7, 2014, from 1:00 p.m. to 3:00 p.m., at the U.S. Nuclear Regulatory Commission (NRC) Three White Flint North Building in Rockville, Maryland. Attendees included staff from Dominion Virginia Power (Dominion), NRC's Division of Spent Fuel Management (SFM), Areva - Transnuclear, Inc. (AREVA-TN), U.S. Department of Energy (DOE), Electric Power Research Institute (EPRI), Nuclear Energy Institute (NEI), electric utilities, and several members of the public. The attendance list is provided in Enclosure 1. The agenda is provided in Enclosure 2. The presentation slides are provided in Enclosure 3 (ADAMS Accession Number ML14276A654).

Dominion's staff discussed its proposed program for the storage of high burnup fuel and gas sampling data using a TN-32 cask, which will support its North Anna Independent Spent Fuel Storage Installation (ISFSI) amendment request. Dominion described technical aspects related to the implementation of the program including its licensing and regulatory perspectives, and schedule for the amendment. Dominion also provided an update on its proposed fuel selection, preliminary loading plan, baseline fuel data, data to be monitored, and upcoming site work.

For licensing considerations, Dominion will collaborate with AREVA-TN to develop the design and licensing basis document which will be submitted with the amendment request and will provide the analytical bases and conclusions for departures that were previously approved in the general license TN-32 Final Safety Analysis Report (FSAR). The amendment application is expected in July 2015 and Dominion plans to request an aggressive review schedule. Dominion also stated that an exemption from confinement regulation may be required and that they plan to have additional pre-application meetings with the NRC before submitting the amendment request.

The NRC staff raised questions and provided additional comments for Dominion to take into consideration, both in collecting data and preparing the amendment request.

Several members of the public raised a few questions and comments. One member questioned that given that North Anna is on a fault line, how did this site receive approval to perform this project without the consent of Virginians. Staff responded that North Anna has not yet received approval but is able to submit an amendment to their site-specific license which the NRC would review to ensure there is adequate protection of public health and safety and the environment. No regulatory decisions were made at the meeting.

If you have any questions or comments, please contact John-Chau Nguyen at (301) 287-9202 or [John-Chau.Nguyen@nrc.gov](mailto:John-Chau.Nguyen@nrc.gov).

Docket No.: 72-16

TAC No.: L24886

Enclosures:

1. Meeting Attendees
2. Agenda
3. Dominion presentation slides

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If you have any questions or comments, please contact John-Chau Nguyen at (301) 287-9202 or John-Chau.Nguyen@nrc.gov.

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Distribution: NRC Attendees V. Sreenivas RCarrion, RII SFM r/f

**ADAMS P8 Package No.: ML14300A135 ADAMD P8 Memo No.: ML14300A141**

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Dominion North Anna Meeting

OFC	SFM		SFM		SFM	
NAME	JNguyen		WWheatley		MSampson	
DATE	10/21/2014		10/27/2014 (via email)		11/3/14	

**OFFICIAL RECORD COPY**

## MEETING ATTENDEES

Meeting Title: To discuss pending North Anna license amendment request to support high burnup dry storage project

Date: October 7, 2014, 1:00 p.m. – 3:00 p.m.

Location: U.S. NRC Headquarters, 3WFN 03-A-28

NAME	AFFILIATION
Mark Lombard	NRC/NMSS/SFM
Anthony Hsia	NRC/NMSS/SFM
Michele Sampson	NRC/NMSS/SFM
Al Csontos	NRC/NMSS/SFM
Meraj Rahimi	NRC/NMSS/SFM
Christian Araguas	NRC/NMSS/SFM
John-Chau Nguyen	NRC/NMSS/SFM
Jennifer Davis	NRC/NMSS/SFM
Chris Allen	NRC/NMSS/SFM
Huda Akhavannik	NRC/NMSS/SFM
Joe Borowsky	NRC/NMSS/SFM
Robert Einziger	NRC/NMSS/SFM
Zhian Li	NRC/NMSS/SFM
Ricardo Torres	NRC/NMSS/SFM
David Tang	NRC/NMSS/SFM
JoAnn Ireland	NRC/NMSS/SFM
Alexis Sotomayor-Rivera	NRC/NMSS/SFM
Norma Garcia-Santos	NRC/NMSS/SFM
Jorge Solis	NRC/NMSS/SFM
Kristopher Cummings	NEI
Rod McCullon	NEI
Tom Brookmire	Dominion
Rich Ridder	Dominion
David Tomlinson	Dominion

<b>NAME</b>	<b>AFFILIATION</b>
Thomas Szymanski	Dominion
Scott Luchau	Dominion
Melissa Bates	DOE
Cori Macaluso	DOE
Ned Larson	DOE
Nicholas Dinumzio	DOE
William Boyle	DOE
Steve Marschman	Idaho National Lab
Ken Sorenson	Sandia National Lab
Sam Durbin	Sandia National Lab
John Scaglione	Oak Ridge National Lab
Phil Lozmack	Areva TN
Don McGee	Areva Fuel Services
Larry Creasy	AREVA
Gary Clark	AREVA
Steven Kickerbocker	AREVA TN
Dorothy Davidson	AREVA Federal Services
Richard Furr	AREVA TN
Keith Waldrop	EPRI
John Greeves	JTG Consulting
Stefan Anton	Holtec International
Caryn Green	UxC
Steven Dolley	UxC
Erica Gray	Virginia Sierra Club
Paul Plante	Maine Yankee
Donna Gilmore	SanOnofreSafety.org
Ace Hoffman	Nuke-free North County
Marvin Lewis	Public citizen
Terry Pickens	Xcel Energy
Pamela Cowan	Exelon

**AGENDA**  
**Meeting Between NRC and Dominion Virginia Power**  
**High Burnup Dry Storage Confirmatory Data Project**  
**October 7, 2014**  
**1:00 p.m. – 3:00 p.m.**  
**3WFN 03-A-28**

Purpose: For Dominion Virginia Power to provide a status update on the high burn-up dry cask demonstration project proposed for North Anna Power Station.

- Meeting Purpose
- Near-term Project Status
  - Fuel Selection
  - Sister Rods
  - Upcoming Site Work
- License Amendment Approach (SNM-2507)
  - Design and Licensing Basis
    - TN-32 FSAR
    - Additional Document for the Test Cask Under Development
  - Existing as-built Non-conformances
  - New Tech Specs
  - Possible Exemption Request
- Test Cask Design Elements (non-proprietary)
- Gas Sampling
- Questions

## **Dominion Presentation Slides**