



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 28, 2010

LICENSEE: Virginia Electric and Power Company (VEPCO, Licensee)
FACILITY: North Anna Power Station, Unit Nos. 1 and 2 (North Anna)
SUBJECT: SUMMARY OF JULY 14, 2010, MEETING WITH VEPCO, ON FUEL
TRANSITION LICENSING (TAC NO. ME4102 AND ME4103)

On July 14, 2010, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of VEPCO at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the licensing approach for transitioning to the Westinghouse RFA-1 Fuel Product. A list of attendees is provided as an Enclosure.

The licensee presented information (licensee's handouts) (See Agencywide Documents Access and Management System (ADAMS), Accession No. ML102010021).

Representatives from VEPCO discussed their transition to the Westinghouse RFA-1 Fuel Product. Specifically, licensee representatives presented their approach for the required licensing changes. The transition to a new nuclear fuel vendor requires the North Anna licensee to perform analyses to ensure that this change will still meet the regulations and allow the plant to operate safely.

The licensee identified the following specific issues regarding the technical scope of the NRC staff's review of the proposed fuel transition:

- Licensee requested that the NRC staff have adequate resources to support the independent NRC analysis of their submittals. Additionally, the licensee inquired about the impact of a generic communication pertaining to Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.46, on any docketed loss-of-coolant accident analysis submittals.
- How to handle the plant-specific reference to ASTRUM in the Core Operating Limits Report (COLR).
- The required information for NRC to review the ASTRUM BELOCA analysis with a multi-node downcomer model (approved for D.C. Cook Unit 1)

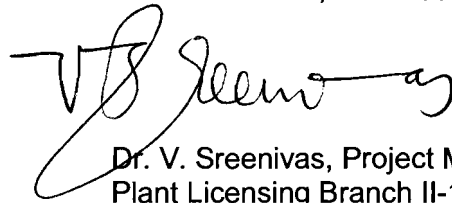
The NRC staff commented:

1. The staff expects a clear discussion of plans regarding any methodology transitions and the impact these transitions would have on the COLR- References section of the North Anna Technical Specifications. The intent of this comment was to improve navigability

of the COLR such that the basis for the new fuel can be distinguished from the requirements from the old fuel.

2. The Licensee has proposed using a finer node model in their BELOCA analysis for "improved resolution of downcomer boiling phenomenon". The NRC staff questioned if node/cell size in the model had an appreciable effect on the analysis results, and furthermore, the validity of previous models using a coarser (larger) node/cell size. In a developed model it is presumed that the appropriate node size is chosen such that further refining will not significantly change the outcome of the analysis.
3. The NRC staff commented that the licensee should perform an evaluation of the spent fuel pool as a result of the change to a new fuel vendor.

Members of the public were not in attendance. Public meeting feedback forms were not received. Please direct any inquiries to me at 301-415-2597, or v.sreenivas@nrc.gov.



Dr. V. Sreenivas, Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-338 and 50-339

Enclosure:
List of Attendees

cc w/encl: Distribution via Listserv

MEETING ATTENDANCE LIST

Licensee: Virginia Electric and Power Company (VEPCO) Plant(s): North Anna, Units 1 & 2

Subject: Licensing Approach for Fuel Transition Date: July 14, 2010

Location: NRC Headquarters, Room 012-B06 Time: 10:00 a.m. -12:00 p.m.

CATEGORY 1 PUBLIC MEETING

NAME	TITLE	ORGANIZATION	PHONE NO.
V. Sreenivas	Project Manager	NRC/NRR/DORL	301-415-2597
Karen Cotton	Project Manager	NRC/NRR/DORL	301-415-1438
Shih-Liang Wu	Sr. Reactor Engineer	NRC/NRR/DSS	301-415-3284
Andrew Proffitt	Sr. Reactor Engineer	NRC/NRR/DSS	301-415-1418
Samuel Miranda	Sr. Reactor Systems Engineer	NRC/NRR/DSS	301-415-2303
Chris Smith	NSPDP/Resident	NRC/R4	817-860-8095
Anthony Ulises	Branch Chief	NRC/NRR/DSS	301-415-8535
Dana Knee	Licensing	Dominion/Corporate	804-273-2255
Chris Clemens	Licensing	Dominion	804-273-2249
Tom Bookmire	Licensing	Dominion	804-273-3243
Thomas Shaub	Licensing	Dominion	804-273-2763

Enclosure

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2. The Licensee has proposed using a finer node model in their BELOCA analysis for "improved resolution of downcomer boiling phenomenon". The NRC staff questioned if node/cell size in the model had an appreciable effect on the analysis results, and furthermore, the validity of previous models using a coarser (larger) node/cell size. In a developed model it is presumed that the appropriate node size is chosen such that further refining will not significantly change the outcome of the analysis.
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/RA/

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NSanfilippo, EDO R-II

ADAMS Accession No. PKG ML102080049 Meeting Notice ML101730481 Meeting Summary ML102070458 Handouts ML102010021

OFFICE	DORL/LPL2-1/PM	DORL/LPL2-1/LA	DORL/LPL2-1/BC	DORL/LPL2-1/PM
NAME	VSreenivas	MOBrien	GKulesa (JStang for)	VSreenivas
DATE	07/28/10	07/28/10	07/28/10	07/28/10

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