

September 12, 2011

APPLICANT: DOMINION VIRGINIA POWER

APPLICATION: NORTH ANNA, UNIT 3, COMBINED LICENSE APPLICATION

SUBJECT: SUMMARY OF THE JULY 8, 2011, PUBLIC TELECONFERENCE MEETING WITH DOMINION VIRGINIA POWER REGARDING THE DISCUSSION OF THE GROUND MOTION RESPONSE SPECTRA, RELATED TO SECTION 2.05.02, OF THE FINAL SAFETY ANALYSIS REPORT FOR THE NORTH ANNA, UNIT 3, COMBINED LICENSE APPLICATION

On July 8, 2011, a public teleconference meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and the combined license (COL) applicant, Dominion Virginia Power (Dominion). A meeting notice was issued on June 28, 2011, and was documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML111790054. The purpose of the meeting was to discuss the Ground Motion Response Spectra (GMRS) related to Section 2.05.02, of the Final Safety Analysis Report (FSAR) for the North Anna, Unit 3, COL application. Enclosed is the list of attendees.

The NRC staff and Dominion discussed its response to Request for Additional Information (RAI) 5199, Question 2.05.02-2 and draft RAI 5693, related to GMRS. Dominion's presentation entitled, "Borehole Site Response Study," is documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML11230A290. The NRC staff's presentation entitled, "North Anna Unit 3, Section 2.5.2, was documented in the ADAMS under accession number ML11230A291.

The following items were discussed during the meeting:

- Each of the five downhole S-wave velocity measurements show strong impedance contrasts noted by the NRC staff and was discussed during the teleconference. Considering the existence of those impedance contrasts and undulating layers, Dominion should provide justification as to why refraction, reflection and wave trapping effects can be ignored in Dominion's site response analysis. The NRC staff indicated that the site appears to be non-uniform and 1-D analysis does not appear appropriate.
- The NRC staff indicated that the FSAR should be updated to include a discussion of how this apparent non-uniformity is taken into account in the site response analysis.
- Dominion will provide a justification of why it considers profiles 1 and 2, and the best estimate (BE) profile to be representative of the actual measured profiles B-901, B-907, B-909, M10 and M30.

- Dominion will provide a comparison of the MACTEC boring logs and GEOVision S-wave velocity measurements for downholes B-901, B-907, B-909, M10 and M-30 (App. A, B.1, C.1) versus the values shown in FSAR Table 2.5-208.
- There is inconsistency in the concrete S-wave velocity used in site response calculations: 7000 ft/sec in FSAR and 6200 ft/sec in Draft response to RAI 5693.
- The NRC staff is developing separate RAIs to resolve inconsistency in the S-wave velocity under SRP 3.7.1.

Members of the public were not in attendance during the meeting. Please direct any inquiries to me at 301-415-0493, or via email [Tarun.Roy@nrc.gov](mailto:Tarun.Roy@nrc.gov).

**/RA/**

Tarun C. Roy, Project Manager  
US-APWR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors

Docket No.: 52-017

Enclosure:  
List of Attendees

cc w/encl.: See next page

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/RA/

Tarun C. Roy, Project Manager  
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Division of New Reactor Licensing  
Office of New Reactors

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cc w/encl.: See next page

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**NRC-001**

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DATE	09/12/2011	09/12/2011	09/12/2011

**OFFICIAL RECORD COPY**

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(Revised 05/23/2011)

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**List of Attendees**

Public teleconference with Dominion Virginia Power Regarding the Discussion of Ground Motion Response Spectra, Section 2.05.02, of the Final Safety Analysis Report for the North Anna, Unit 3, held on July 8, 2011

<b><u>Name</u></b>	<b><u>Representing</u></b>
Alidad Hashemi	Bechtel Corporation
Farahang Ostadan	Bechtel Corporation
Gabriel Toro	Bechtel Corporation
John Davie	Bechtel Corporation
Mark Loeffler	Bechtel Corporation
Richard Baker	Bechtel Corporation
Gina Borsh	Dominion Virginia Power
Mark Hotchkiss	Dominion Virginia Power
Chandu Patel	U.S. Nuclear Regulatory Commission
Christopher Cook	U.S. Nuclear Regulatory Commission
Tarun Roy	U.S. Nuclear Regulatory Commission
Vladimir Graizer	U.S. Nuclear Regulatory Commission
Weijun Wang	U.S. Nuclear Regulatory Commission

Enclosure