

PMNorthAnna3COLPEmails Resource

From: Patel, Chandu
Sent: Tuesday, November 01, 2011 12:43 PM
To: 'na3raidommailbox@dom.com'
Cc: Weisman, Robert; PMNorthAnna3COLPEmails Resource; Graizer, Vladimir; Cook, Christopher; Roy, Tarun
Subject: RAI Letter No. 88, RAI6032, FSAR Section 2.5.2, North Anna 3 COLA
Attachments: RAI Letter 88 RAI 6032.doc

By letter dated November 26, 2007, Dominion Virginia Power (Dominion) submitted a Combined License Application for North Anna, Unit 3, pursuant to Title 10 of the *Code of Regulations*, Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this COLA.

The NRC staff has identified that additional information is needed to continue portions of the review and a Request for Additional Information (RAI), is enclosed. To support the review schedule, Dominion is requested to respond within 30 days of the date of this request. If the RAI response involves changes to the application documentation, Dominion is requested to include the associated revised documentation with the response.

Sincerely,
Chandu Patel
Lead Project Manager for NA3 COLA

Hearing Identifier: NorthAnna3_Public_EX
Email Number: 1028

Mail Envelope Properties (8C658E9029C91D4D90C6960EF59FC0D659A808FB83)

Subject: RAI Letter No. 88, RAI6032, FSAR Section 2.5.2, North Anna 3 COLA
Sent Date: 11/1/2011 12:43:19 PM
Received Date: 11/1/2011 12:43:20 PM
From: Patel, Chandu

Created By: Chandu.Patel@nrc.gov

Recipients:

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Tracking Status: None

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Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	823	11/1/2011 12:43:20 PM
RAI Letter 88 RAI 6032.doc		30714

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

RAI Letter No. 88
11/1/2011
North Anna, Unit 3
Dominion Virginia Power
Docket No. 52-017
SRP Section: 02.05.02 - Vibratory Ground Motion
Application Section: 2.5.2

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

Request for Additional Information No. 6032

02.05.02-4

In accordance with NUREG-0800, Standard Review Plan, Chapter 2.5.2, "Vibratory Ground Motion," and Regulatory Guide (RG) 1.208, "A Performance-Based Approach to Define the Site-Specific Earthquake Ground Motion" please assess the adequacy of the existing EPRI-SOG seismic source model in light of the August 23, 2011 **M**5.8 Mineral, Virginia earthquake. The earthquake was located in the Central Virginia Seismic Zone, which is modeled by all of the EPR-SOG ESTs except for the Law Engineering Team. Please review the adequacy of each of the ESTs source models that incorporate the earthquake of the size of the Mineral, Virginia, earthquake on August 23, 2011, (including the Law Engineering Team) in terms of the maximum magnitude probability distribution, source geometry, probability of activity, and seismicity rates. In addition, please address the impact on the GMRS.

In addition, please provide your assessment of the ground shaking experienced at NANPP Units 1 and 2 during the August 23, 2011 **M**5.8 Mineral, Virginia earthquake and address the impact on the GMRS from the COL application for NANPP Unit 3.