

## NorthAnnaRAIsPEm Resource

---

**From:** Patel, Chandu  
**Sent:** Monday, June 25, 2012 4:41 PM  
**To:** 'na3raidommailbox@dom.com'  
**Cc:** Weisman, Robert; Monarque, Stephen; NorthAnnaRAIsPEm Resource  
**Subject:** RAI Letter 102, RAI 6529, Section 1.05, North Anna 3 COLA (52-017)  
**Attachments:** RAI Letter 102 RAI 6529. doc.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. As stated in the NRC staff's letter, dated May 16, 2012, Dominion is requested to provide a response to all Fukushima RAIs within 60-days of receipt of the RAIs, or provide a schedule for Dominion's response within 30-days.

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\_eRAI  
**Email Number:** 36

**Mail Envelope Properties** (8C658E9029C91D4D90C6960EF59FC0D68B98ED508C)

**Subject:** RAI Letter 102, RAI 6529, Section 1.05, North Anna 3 COLA (52-017)  
**Sent Date:** 6/25/2012 4:41:05 PM  
**Received Date:** 6/25/2012 4:41:07 PM  
**From:** Patel, Chandu

**Created By:** Chandu.Patel@nrc.gov

**Recipients:**

"Weisman, Robert" <Robert.Weisman@nrc.gov>

Tracking Status: None

"Monarque, Stephen" <Stephen.Monarque@nrc.gov>

Tracking Status: None

"NorthAnnaRAIsPEm Resource" <NorthAnnaRAIsPEm.Resource@nrc.gov>

Tracking Status: None

"na3raidommailbox@dom.com" <na3raidommailbox@dom.com>

Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	949	6/25/2012 4:41:07 PM
RAI Letter 102 RAI 6529. doc.doc		33002

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

RAI Letter 102  
6/25/2012  
North Anna, Unit 3  
Dominion  
Docket No. 52-017  
SRP Section: 01.05 - Other Regulatory Considerations  
Application Section: As stated in RAIs

QUESTIONS for USAPWR Projects Branch (NMIP)

Request for Additional Information No. 6529

01.05-1

This request for additional information (RAI) specifically addresses Recommendation 2.1, of the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025 as it pertains to the seismic hazard evaluation. This recommendation specifies the use of NUREG-2115, "Central and Eastern United States Seismic Source Characterization for Nuclear Facilities," (CEUS-SSC) in a site probabilistic seismic hazard analysis (PSHA). Consistent with Recommendation 2.1, as well as the need to consider the latest available information in the (PSHA) for North Anna Unit 3 planned reactor site, the NRC staff requests that Dominion:

a) Evaluate the potential impacts of the newly released CEUS-SSC model, with potential local and regional refinements as identified in the CEUS-SSC model, on the seismic hazard curves and the site-specific ground motion response spectra (GMRS)/foundation input response spectra (FIRS). For re-calculation of the PSHA, please follow either the cumulative absolute velocity (CAV) filter or minimum magnitude specifications outlined in Attachment 1 to Seismic Enclosure 1 of the March 12, 2012 letter "Request for information pursuant to Title 10 of the *Code of Federal Regulations* 50.54(f) regarding Recommendations 2.1, 2.3, and 9.3, of the near-term task force review of insights from the Fukushima Dai-Ichi accident." (ML12053A340).

b) In your response, please identify the method you selected from the above choices to perform the evaluation. Modify and submit the site-specific GRMS and FIRS changes, as necessary, given the evaluation performed in part (a) above. Provide the bases supporting your position. In addition, please identify any necessary variance associated with ESP-003.

01.05-2

By letter dated May 16, 2012, (ML12125A131), the NRC staff informed you that the NRC staff has been directed by the Commission to implement the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025, "Proposed Orders and Requests for Information in Response to Lessons Learned from Japan's March 11, 2011, Great Tohoku Earthquake and Tsunami" dated February 17, 2012. This request for additional information (RAI) specifically addresses Recommendation 7.1, "Reliable Spent Fuel Pool Instrumentation." The NRC staff requests that you address each of the provisions for monitoring key spent fuel pool parameters as described in the March 12, 2012 Order, EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," (ADAMS Accession No. ML12054A679), including any proposals for changes to your current application.

01.05-3

By letter dated May 16, 2012, (ML12125A131), the NRC staff informed you that the NRC staff has been directed by the Commission to implement the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025, "Proposed Orders and Requests for Information in Response to Lessons Learned from Japan's March 11, 2011, Great Tohoku Earthquake and Tsunami" dated February 17, 2012. This request for additional information (RAI) specifically addresses Recommendation 9.3, "provisions for enhancing emergency preparedness." The NRC staff requests that you address each of the provisions for enhancing emergency preparedness as described in Enclosure 7 of SECY-12-0025, including any proposals for changes to your current application.