

## PMNorthAnna3COLPEmails Resource

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**From:** Patel, Chandu  
**Sent:** Thursday, June 05, 2014 3:43 PM  
**To:** 'na3raidommailbox@dom.com' (na3raidommailbox@dom.com)  
**Cc:** PMNorthAnna3COLPEmails Resource; Weisman, Robert; Carpentier, Marcia; Chakravorty, Manas; Xu, Jim; Buckberg, Perry  
**Subject:** RAI Letter 122, RAI 7535, FSAR Section 3.7.3, North Anna 3 COLA (52-017)  
**Attachments:** RAI Letter 122 RAI\_7535.docx

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:** 1172

**Mail Envelope Properties** (8C658E9029C91D4D90C6960EF59FC0D601325B219EFC)

**Subject:** RAI Letter 122, RAI 7535, FSAR Section 3.7.3, North Anna 3 COLA (52-017)  
**Sent Date:** 6/5/2014 3:43:16 PM  
**Received Date:** 6/5/2014 3:43:17 PM  
**From:** Patel, Chandu

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

**Recipients:**

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Tracking Status: None  
"Weisman, Robert" <Robert.Weisman@nrc.gov>  
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"Xu, Jim" <Jim.Xu@nrc.gov>  
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**Post Office:** HQCLSTR02.nrc.gov

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MESSAGE	838	6/5/2014 3:43:17 PM
RAI Letter 122 RAI_7535.docx	29662	

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## **Request for Additional Information 122**

Issue Date: 06/05/2014

Application Title: North Anna, Unit 3 - Docket Number 52-017

Operating Company: Dominion

Docket No. 52-017

Review Section: 03.07.03 - Seismic Subsystem Analysis

Application Section:

### QUESTIONS

03.07.03-1

FSAR Section 3.7.3.13 describes Seismic Category I buried piping, conduits and tunnels, as well as buried Seismic Category II and radwaste tunnels, and Safety Class RW-IIa radwaste piping installed in trenches or tunnels. This FSAR section indicates that "Seismic input motions are based on the single envelope design response spectra as defined in DCD Table 3.7-2, using applicable scale factors, and site-specific SSE FIRS." Since site-specific FIRS have not been established in the NA3 application for use in the seismic design of buried structures under FSAR Section 3.7.3.13, the applicant is requested to describe in the FSAR how the seismic input motions for the applicable buried structures will be developed. The applicant is also requested to provide site-specific ITAAC to address the verification of implementation of the commitment that a site-specific analysis following the method as specified in the FSAR for Seismic Category I structures has been conducted demonstrating the as built Seismic Category I buried piping, conduits, and tunnels conform to their design.