

## PMNorthAnna3COLPEmails Resource

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**From:** Monarque, Stephen  
**Sent:** Thursday, July 28, 2011 8:22 AM  
**To:** na3raidommailbox@dom.com  
**Cc:** Patel, Chandu; NorthAnna3COL Resource  
**Subject:** North Anna Draft RAI 5939  
**Attachments:** NA draft RAI 5939.docx

I am sending you a draft of North Anna RAI 5939. Please let me know if a call is required.

Thanks,

Stephen Monarque  
Project Manager  
Comanche Peak COL  
NRO/DNRL/NMIP  
301-415-1544

**Hearing Identifier:** NorthAnna3\_Public\_EX  
**Email Number:** 1000

**Mail Envelope Properties** (9C2386A0C0BC584684916F7A0482B6CA2F2CEB4435)

**Subject:** North Anna Draft RAI 5939  
**Sent Date:** 7/28/2011 8:21:45 AM  
**Received Date:** 7/28/2011 8:21:56 AM  
**From:** Monarque, Stephen

**Created By:** Stephen.Monarque@nrc.gov

**Recipients:**

"Patel, Chandu" <Chandu.Patel@nrc.gov>  
Tracking Status: None  
"NorthAnna3COL Resource" <NorthAnna3COL.Resource@nrc.gov>  
Tracking Status: None  
"na3raidommailbox@dom.com" <na3raidommailbox@dom.com>  
Tracking Status: None

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**Options**

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**Return Notification:** No  
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Draft Request for Additional Information No. 5939 Revision 3

North Anna, Unit 3

Dominion

Docket No. 52-017

SRP Section: 03.07.04 - Seismic Instrumentation

Application Section: 03.07.04

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

03.07.04-\*\*\*

FSAR Section 2.5.2 describes the GMRS location as a hypothetical outcrop. The response to RAI 5198, dated January 28, 2011, states that the GMRS is defined at elevation 250 ft, which is approximately 20 to 70 ft below the ground surface. In accordance with RG 1.12 and RG 1.166, free-field instrumentation should be installed on the ground surface. Data recorded by this instrumentation will be used to determine if the OBE has been exceeded should a seismic event occur.

Considering the subsurface complexity and varying ground surface elevation of the site, specify the location you are planning to install the free-field instrument. Also, clarify if you are planning to develop a transfer function from the elevation at which the free-field instrument will be installed to the GMRS elevation.