

PMNorthAnna3COLPEmails Resource

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
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301-415-1544

Hearing Identifier: NorthAnna3_Public_EX
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Mail Envelope Properties (9C2386A0C0BC584684916F7A0482B6CA2F2CEB4435)

Subject: North Anna Draft RAI 5939
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From: Monarque, Stephen

Created By: Stephen.Monarque@nrc.gov

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"Patel, Chandu" <Chandu.Patel@nrc.gov>
Tracking Status: None
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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.