PMNorthAnna3COLPEmails Resource

From: Patel, Chandu
Sent: Tuesday, August 02, 2011 2:17 PM
To: 'na3raidommailbox@dom.com'
Cc: PMNorthAnna3COLPEmails Resource; Roy, Tarun; Graizer, Vladimir; Weisman, Robert
Subject: Draft RAI 5941, Section 2.5.4, North Anna 3 COLA
Attachments: Draft RAI 5941.doc

Hi,

Please see attached Draft RAI 5941 (Section 2.5.4) for North Anna 3 COLA. If you need any clarification on for this RAI, please let me know by August 5, 2011. Otherwise it will be issued as final after August 5, 2011.

Sincerely,
Chandu Patel

Hearing Identifier: NorthAnna3_Public_EX
Email Number: 994

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Subject: Draft RAI 5941, Section 2.5.4, North Anna 3 COLA
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Received Date: 8/2/2011 2:16:34 PM
From: Patel, Chandu

Created By: Chandu.Patel@nrc.gov

Recipients:
"PMNorthAnna3COLPEmails Resource" <PMNorthAnna3COLPEmails.Resource@nrc.gov>
Tracking Status: None
"Roy, Tarun" <Tarun.Roy@nrc.gov>
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"Graizer, Vladimir" <Vladimir.Graizer@nrc.gov>
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Tracking Status: None

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MESSAGE	290	8/2/2011 2:16:34 PM
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Request for Additional Information No. 5941 (Draft)

7/22/2011

North Anna, Unit 3
Dominion
Docket No. 52-017
SRP Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 02.05.04

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.04-***

FSAR Sections 2.5.4.7.1, 3.7.2.1 and Appendix 3OO.1.1 state that the fill concrete has a minimum design compressive strength of 2,500 psi and a best estimate shear wave velocity of 7,000 ft/s.

Based on ACI-318, concrete with a compressive strength of 2500 psi will result in a shear wave velocity of approximately 6200 ft/s.

Therefore, please describe and justify how you will assure that the fill concrete will attain the shear wave velocity used in the FIRS calculations of at least 7,000 ft/s.