PMHarrisCOL PEmails

From: Manny Comar
Sent: Wednesday, February 04, 2009 12:18 PM
To: Kitchen, Robert; Waters, David; Wilkins, Tillie
Cc: HarrisCOL Resource; Manny Comar
Subject: Draft RAI No:2096, related to SRP Section 02.05.04 - Stability of Subsurface Materials and foundations for Shearon Harris Units 2 and 3 combined License Application
Attachments: RAI 2096.doc

To All,

Attached is a Draft RAI No:2096, related to SRP Section 02.05.04 - Stability of Subsurface Materials and foundations for Shearon Harris Units 2 and 3 combined License Application

If you need a conference call to discuss the question(s) please contact me at 301-415-3863. Unless you request additional clarification we will normally issue the RAI as final within 3 to 5 days, from today.

Thanks

Manny Comar
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301-415-3863
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Hearing Identifier: ShearonHarris_COL_Public
Email Number: 354

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Subject: Draft RAI No:2096, related to SRP Section 02.05.04 - Stability of Subsurface Materials and foundations for Shearon Harris Units 2 and 3 combined License Application
Sent Date: 2/4/2009 12:17:57 PM
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From: Manny Comar

Created By: Manny.Comar@nrc.gov

Recipients:
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Files	**Size**	**Date & Time**
MESSAGE	601	2/4/2009 12:17:59 PM
RAI 2096.doc	32250	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
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Recipients Received:

Request for Additional Information No. 2096

Shearon Harris
Progress Energy Carolinas, Inc.
Docket No. 52-022 and 52-023
SRP Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 2.5.4.10

QUESTIONS from Geosciences and Geotechnical Engineering Branch 1 (RGS1)

02.05.04-***

The Westinghouse AP 1000 DCD, Revision 17, Tier 2, Table 2.5-1, incorporated into the application, provides the limits of acceptable settlement without additional evaluation. The table states that the total settlement for the nuclear island foundation mat is 3 inches and the differential settlement across the nuclear island foundation mat is limited to ½ inch in 50 ft. Additionally, the differential settlement between the nuclear island and the turbine building is limited to ½ inch, and the differential settlement between the nuclear island and other buildings is also limited to ½ inch.

In the case of a nuclear island founded on rock and the turbine building and other surrounding buildings founded on shallow foundations supported on fill, please provide a description of the program/method that you will implement to ensure that the actual settlement/differential settlement of the structures do not exceed the DCD settlement criteria.