

PMSTPCOL PEmails

From: Raj Anand
Sent: Tuesday, September 30, 2008 9:08 AM
To: Mookhoek, William; Stillwell, Daniel
Cc: George Wunder
Attachments: RAI 1283 (2).doc

Hi Bill,
Please let me know if you need a conference call to discuss the enclosed RAIs, before we issue them with a letter.
Thanks,
Raj

Raj Anand

Raj Anand
Project Manager
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation
E-mail: Raj.Anand@nrc.gov

Hearing Identifier: SouthTexas34Public_EX
Email Number: 745

Mail Envelope Properties (CB87FC66F95637428C5E0D066E756B6F8F01F1BAC5)

Subject:
Sent Date: 9/30/2008 9:07:42 AM
Received Date: 9/30/2008 9:07:44 AM
From: Raj Anand

Created By: Raj.Anand@nrc.gov

Recipients:
"George Wunder" <George.Wunder@nrc.gov>
Tracking Status: None
"Mookhoek, William" <wemookhoek@STPEGS.COM>
Tracking Status: None
"Stillwell, Daniel" <dwstillwell@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

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MESSAGE	306	9/30/2008 9:07:44 AM
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Options
Priority: Standard
Return Notification: No
Reply Requested: Yes
Sensitivity: Normal
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Request for Additional Information No. 1283

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 2.5.4

QUESTIONS for Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.04-13

FSAR Section 2.5S 4.10.4 describes potential settlement for STP 3 and 4. Please discuss the assumptions made to estimate the settlement and heave and provide a sample calculation of settlement and heave under STP 3 and 4.

02.05.04-14

FSAR Section 2.5S 4.10.5.2 describes the seismic lateral earth pressures. Please provide a sample calculation of the dynamic lateral stress computation.

02.05.04-15

FSAR Section 2.5S 4.11 describes the allowable bearing capacity. Please discuss the assumptions and soil properties used to compute the factor of safety against dynamic bearing capacity and provide a sample calculation of the dynamic bearing capacity determination.