

From: Christian Araguas
To: jtdavis@southernco.com
Date: 11/15/2006 3:39:17 PM
Subject: Draft RAIs for Section 2.5 - Geology, Seismology, and Geotechnical Engineering

Jim,

Attached are draft RAIs pertaining to Section 2.5 that the staff plans to issue. Please take a look and let me know if you would like to have a conference call to discuss further these draft RAIs. Thanks.

Christian Araguas

US Nuclear Regulatory Commission
Nuclear Reactor Regulation
Division of New Reactor Licensing
New Reactors AP1000 Branch
Vogtle ESP Project Manager
301-415-3637 (Work)
240-498-7614 (Cell)

CC: Clifford Munson; Gerry Stirewalt; Rebecca Karas; Sarah Gonzalez; Stephanie Coffin;
Yong Li; Zahira Cruz-Perez

MESSAGE 969
Draft RAIs Vogtle Sec 2.5 Part 1.pdf
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11/15/2006 3:39:17 PM
8105 11/15/2006 3:31:55

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Draft Requests for Additional Information (RAIs)
Vogtle ESP Sections 2.5.2

RAI Number	Reviewer	Question Summary	Full Text
2.5.2-1	Munson C	Confirmatory Analysis of PSHA results. (2.5.2)	In order for the staff to determine the adequacy of the Probabilistic Seismic Hazard Analysis (PSHA) for the Vogtle ESP site, please provide the following data electronically: <ol style="list-style-type: none"> 1. EPRI seismicity catalog (EPRI NP-4726-A 1988) for the region of interest (30° to 37° N, 78° to 86° W). 2. Updated EPRI seismicity catalog as shown in SSAR Table 2.5.2-1. 3. Geographic coordinates of the corner points for the primary (99% of total hazard) source zones for each of the 6 EPRI-SOG Earth Science Teams (ESTs). 4. 1- and 10-Hz mean hazard curves for each of the 6 EPRI-SOG ESTs for each of their source zones. 5. 1- and 10-Hz mean hazard curves for the updated Charleston seismic source.
2.5.2-2	Munson C	Description of update for Charleston seismic source. (2.5.2)	In order for the staff to fully evaluate the update for the Charleston seismic source, please provide a copy of Bechtel engineering study report 25144-006-V14-CY06-00006 entitled "Update of Charleston Seismic Source and Integration with EPRI Source Models."
2.5.2-3	Munson C	Confirmatory Analysis of SSE. (2.5.2)	In order for the staff to verify the adequacy of the SSE, please provide electronically 1, 2.5, 5, 10, 25, and 100 Hz mean hazard curves at the prescribed elevation, which takes into account the effect of rock and soil above the hard rock horizon.