

PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Thursday, November 17, 2011 4:43 PM
To: orthen, Richard; Raymond Burski; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher
Cc: Comar, Manny
Subject: Draft RAI 6184 related to SRP Section 02.05.04 -Stability of Subsurface Materials and Foundations for the Turkey Point Units 6 and 7 combined license application
Attachments: draft RAI 6184_TPN.doc

To All,

Attached is the draft of RAI No:6184, regarding section 02.05.04 - Stability of Subsurface Materials and Foundations for the Turkey Point Units 6 and 7 combined license application.

If you need a conference call to discuss the question(s) of the draft RAIs 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

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Request for Additional Information No. 6184

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: 02.05.04 - Stability of Subsurface Materials and Foundations
Application Section: 2.5.4

QUESTIONS from Geosciences and Geotechnical Engineering Branch 1 (RGS1)

02.05.04-***

FSAR Section 2.5.4.2.1.3.4 states that the core recovery and the rock quality designation (RQD) for the limestone layers are very inconsistent. Also, according to FSAR Section 2.5.4.2.3, Laboratory strength tests were performed on intact rock core samples from the Key Largo and Fort Thompson formations. However, no further discussion is presented in the FSAR about the characteristics of the rock mass for these formations. In order to better understand how the foundation bearing rock mass was characterized and in accordance with 10 CFR 100.23 (d) (4) and NUREG-0800, Standard Review Plan, Chapter 2.5.4, "Stability of Subsurface Materials and Foundations,"

- a) Please discuss how various geologic parameters such as voids and discontinuities (joints, faults, or bedding planes) influenced the overall rock mass behavior and thus, the rock mass classification.
- b) Please describe how the deformation modulus, compressive strength and shear strength parameters for rock mass were accounted for in the foundation stability analysis (settlement, bearing capacity).