

PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Tuesday, April 12, 2011 9:50 AM
To: orthen, Richard; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher
Cc: Comar, Manny
Subject: Draft RAI 5154 related to SRP Section 03.02.02 - System Quality Group Classification for the Turkey Point Units 6 and 7 combined license application.
Attachments: draft RAI 5154_TPN.doc

To All,

Attached is the draft of RAI No:5154, regarding SRP section 03.02..02- System quality group Classification 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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Classification for the Turkey Point Units 6 and 7 combined license application.
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Request for Additional Information No. 5154

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: 03.02.02 - System Quality Group Classification
Application Section: 3.2.2

QUESTIONS from Engineering Mechanics Branch 1 (AP1000/EPR Projects) (EMB1)

03.02.02-***

General Design Criterion 1 states, in part, that structures, systems and components important to safety shall be designed, fabricated, erected and tested to quality standards commensurate with the importance of the safety functions to be performed. General Design Criterion 2 states, in part, that structures, systems and components important to safety shall be designed to withstand the effects of earthquakes.

PTN FSAR Revision 2 Subsection 3.2.2 states there are no safety-related structures, systems, or components outside the scope of the DCD. After excavation for the nuclear islands of Units 6 and 7, an approximately 21 foot thick sub-basemat of lean concrete fill is to be placed between the stratum 3 Key Largo limestone and each nuclear island foundation. Based on the nuclear safety importance of the sub-basemat, provide justification for not classifying it a Seismic Category I safety-related structure and adding it to DCD Table 3.2-2 and PTN FSAR Subsection 3.2.2.

The engineered fill to be placed around the sides of the nuclear island structures from the top of the sub-basemat to the finished grade is called out as Seismic Category I fill in FSAR Figure 2.5.4-222. Provide justification for not adding it to DCD Table 3.2-2 and calling it safety-related to ensure its quality standard.