PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Saturday, July 10, 2010 12:57 PM
To: TurkeyCOL Resource
Subject: FW: Draft RAI 4809 regarding SRP Section: 02.04.06 - Probable Maximum Tsunami Flooding for the Turkey Point Units 6 and 7 COL application
Attachments: draft RAI 4809_TPN.doc

From: Comar, Manny
Sent: Thursday, June 24, 2010 11:34 AM
To: 'Antonio Fernandez'; 'orthen, Richard'; 'William Maher'
Subject: Draft RAI 4809 regarding SRP Section: 02.04.06 - Probable Maximum Tsunami Flooding for the Turkey Point Units 6 and 7 COL application

To All,

Attached is the draft of RAI No:4809, regarding SRP 02.04.06 - Probable Maximum Tsunami Flooding 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

Manny Comar
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SRP Section:

Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 162

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D024C365E0CE)

Subject: FW: Draft RAI 4809 regarding SRP Section: 02.04.06 - Probable Maximum Tsunami Flooding for the Turkey Point Units 6 and 7 COL application
Sent Date: 7/10/2010 12:57:13 PM
Received Date: 7/10/2010 12:57:15 PM
From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	893	7/10/2010 12:57:15 PM
draft RAI 4809_TPN.doc	31738	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information No. 4809

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: 02.04.06 - Probable Maximum Tsunami Flooding
Application Section: FSAR 2.4.6

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.06-***

Section C.I.2.4.6.3 of Regulatory Guide 1.206 (RG 1.206) provides specific guidance with respect to the source characteristics needed to determine the PMT. These characteristics include detailed geologic descriptions of the controlling tsunami generators, including location, source dimensions, and maximum displacement.

In the FSAR, discuss submarine landslides in the Florida Straits/Bahamas/Cuba region and indicate how these sources will be included in determination of the PMT. If these sources are not considered for determination of the PMT, provide the justification for excluding them.

02.04.06-***

Section C.I.2.4.6.4 of Regulatory Guide 1.206 (RG 1.206) provides specific guidance with respect to tsunami analysis. This includes providing a complete description of the analysis procedure used to calculate tsunami wave height and period at the site, including the theoretical bases of the models, their verification and the conservatism of all input parameters.

Provide a complete description in the updated FSAR of the numerical modeling methodology used for the revised tsunami analysis and supply water level results specific to the site, taking into account the regional and local (site-specific) bathymetry/topography.

02.04.06-***

Section C.I.2.4.6.3 of Regulatory Guide 1.206 (RG 1.206) provides specific guidance with respect to the historical tsunami record, including paleo-tsunami evidence, source characteristics needed to determine the PMT, and orientation of the site relative to the generating mechanism, shape of the coastline, offshore land areas, and hydrography.

Describe in the FSAR:
(1) any evidence of tsunami deposits at the site, distinguishing characteristics of tsunami versus storm deposits, and interpretation of the boring logs;
(2) any updated information on submarine landslides offshore of Puerto Rico and indicate how these sources are included in the PMT determination; (3) clarification that

seafloor offset from earthquake sources is not necessary to generate significant tsunamis, with regard to mid-plate earthquakes; and
(4) the meaning of the phrase “wide continental shelf” offshore of the site in relation to the attenuating effect of tsunami waves.