

TurkeyPointRAIsPEm Resource

From: Comar, Manny
Sent: Monday, April 25, 2011 11:14 AM
To: TurkeyPointRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 019 RELATED TO SRP SECTION 02.02.03 FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED LICENSE APPLICATION
Attachments: PTN-RAI-LTR-019.doc

Hearing Identifier: TurkeyPoint_COL_eRAIs
Email Number: 21

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D063F99790E4)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 019 RELATED TO SRP SECTION 02.02.03 FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED LICENSE APPLICATION

Sent Date: 4/25/2011 11:14:07 AM

Received Date: 4/25/2011 11:14:39 AM

From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:

"TurkeyPointRAIsPEM Resource" <TurkeyPointRAIsPEM.Resource@nrc.gov>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	13	4/25/2011 11:14:39 AM
PTN-RAI-LTR-019.doc	52218	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

April 25, 2011

Mano K. Nazar
Senior Vice President and Chief Nuclear Officer
Florida Power & Light Company
Mail Stop NNP/JB
700 Universe Blvd
Juno Beach, FL 33408-0420

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 019 RELATED
TO SRP SECTION 02.05.02 VIBRATORY GROUND MOTION FOR THE
TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED LICENSE
APPLICATION

Dear Mr. Nazar:

By letter dated June 30, 2009, as supplemented by letters dated August 7, 2009, September 3, 2010 and December 21, 2010, Florida Power and Light submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advanced passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 45 days of the date of this letter. If you are unable to provide a response within 45 days, please state when you will be able to provide the response. In the event the response submitted is incomplete, please indicate in the response when the complete response will be provided. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes. Your response should also indicate whether any of the information provided is to be withheld as exempt from public disclosure pursuant to 10 CFR 2.390.

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or manny.comar@nrc.gov.

Sincerely,

/RA/

Manny Comar, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-040
52-041

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or manny.comar@nrc.gov.

Sincerely,

/RA/

Manny Comar, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-040
52-041
eRAI Tracking No. 5691

Enclosure:
Request for Additional Information

Distribution:

Public	BWeisman	BHughes
RidsNroDnrlNwe1	JCruz	MComar
RidsNroLAKGoldstein	BBavol	TGalletta
RidsOgcMailCenter	BAnderson	RJoshi
RidsAcrcAcnwMailCenter	SGoetz	SHaggerty
RidsRgn2MailCenter	JSebrosky	DHabib
AMinarik	CCook	DSeber

NRO-002

OFFICE	CBC1/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CCook*	MComar*	PMoulding*	MComar*
DATE	4/6/11	4/12/11	4/12/11	4/25/11

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information No. 5691

4/25/2011

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: 02.05.02 - Vibratory Ground Motion
Application Section: 2.5.2

QUESTIONS from Geosciences and Geotechnical Engineering Branch 1 (RGS1)

02.05.02-1

In order for the staff to independently evaluate the TPNPP earthquake catalog, seismic sources, hazard results and the site response calculations, in accordance with NUREG-0800, Standard Review Plan, Chapter 2.5.2, "Vibratory Ground Motion," and Regulatory Guide (RG) 1.208, "A Performance-Based Approach to Define the Site-Specific Earthquake Ground Motion", please provide digital files (ascii files) of the following:

- a. All seismic sources' geographic coordinates.
- b. Turkey Point earthquake catalog, including Phase I and Phase II data sets. Also include dependent events identified in Phase I and Phase II updates.
- c. Hazard curves of all individual seismic sources for each EPRI team as well as hazard curves of individual Caribbean seismic sources.
- d. The base case shear wave velocity profile and base case shear modulus reduction and damping curves used in the site amplification function calculations. In addition, provide the mean site amplification factors.