



L-2015-123
10 CFR 52.3

April 10, 2015

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Re: Florida Power & Light Company
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
Updated Schedule for FSAR Chapter 2 RAI Responses and FSAR Chapter 19

References:

1. NRC Letter to FPL dated August 26, 2014, Turkey Point Units 6 and 7 Combined License Application Safety Review Schedule
2. NRC Letter to FPL dated February 18, 2015, Request for Additional Information Letter No. 081 Related to SRP Section 02.05.01 – Basic Geologic and Seismic Information for the Turkey Point Nuclear Plant Units 6 and 7 Combined License Application
3. FPL Letter L-2015-069 to NRC dated March 26, 2015, Schedule for Response to NRC Request for Additional Information Letter No. 081 (eRAI 7804) SRP Section 02.05.01 – Basic Geologic and Seismic Information
4. NRC Letter to FPL dated February 18, 2015, Request for Additional Information Letter No. 082 Related to SRP Section 02.05.04 – Stability of Subsurface Materials and Foundations for the Turkey Point Nuclear Plant Units 6 and 7 Combined License Application
5. FPL Letter L-2015-070 to NRC dated March 26, 2015, Response to NRC Request for Additional Information Letter No. 082 (eRAI 7811) SRP Section 02.05.04 – Stability of Subsurface Materials and Foundations

The purpose of this letter is to provide the NRC an update of FPL's activities related to the Requests for Additional Information (RAI) submitted to FPL in References 2 and 4.

In Reference 1, the NRC issued a new schedule for the Turkey Point Units 6 and 7 combined license (COL) application. In establishing the new schedule, the NRC Staff indicated that FPL would provide responses to any additional required RAIs and submit RAI responses, including proposed changes to the COL application, within 30 days of any RAIs issued.

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FPL expects that answering RAI 02.05.01-34, will require implementing a Senior Seismic Hazard Analysis Committee (SSHAC) process, which by its nature, cannot be performed within 30 days. However, for this and the other RAI responses, FPL is working diligently to provide high quality responses as soon as practicable, as discussed in more detail below.

In Reference 2, the NRC requested FPL to respond to the RAIs for FSAR Subsection 2.5.1 within 30 days of the date of the referenced letter. In Reference 3, FPL indicated that the RAI responses to 02.05.01-34, 02.05.01-35, 02.05.01-36, and 02.05.01-37 were scheduled to be provided by July 15, 2015. FPL was able to provide a more detailed schedule for responding to these RAIs during a public meeting on March 12, 2015. The attachment provides the current submittal dates for the FSAR Subsection 2.5.1 RAI responses. The attachment also provides dates when supporting information for the responses for RAIs 02.05.01-34 and 02.05-01-35 will be available for NRC Staff review in the electronic reading room.

In Reference 4, the NRC requested FPL to respond to the RAIs for FSAR Subsection 2.5.4 within 30 days of the date of the referenced letter. In Reference 5, FPL indicated that the RAI responses to 02.05.04-26, 02.05.04-27, 02.05.04-28, 02.05.04-29, 02.05.04-30, 02.05.04-31, 02.05.04-32, 02.05.04-33, 02.05.04-35, 02.05.04-36, and 02.05.04-37 were scheduled to be provided by May 15, 2015. FPL was able to provide a more detailed schedule for responding to these RAIs during a public meeting on March 12, 2015. For RAI 02.05.04-26, FPL now expects that it will submit the response by June 17, 2015. The attachment provides the current submittal dates for the FSAR Subsection 2.5.4 RAI responses. The attachment also provides dates that supporting information for the RAI responses for 02.05.04-30 and 02.05-04-36 will be available for NRC Staff review in the electronic reading room.

Additionally, the attachment provides the date when the supporting information for the site specific seismic margin analysis performed to support the conclusions in FSAR Subsection 19.55.6.3 will be available for NRC Staff review in the electronic reading room.

FPL is committed to providing responses of sufficient quality and completeness to help ensure no further supplemental RAIs are required on each topic. And, as FPL stated in References 3 and 5, FPL will make every effort to improve on the current dates and will keep the NRC project manager informed. To facilitate the NRC Staff review, FPL will provide updates of supporting information for the RAIs with protracted schedules via the electronic reading room as shown in the Attachment.

As discussed at the public meeting held March 12, 2015, FPL intends to request a public meeting after the Staff has had the opportunity to review the results of the SSHAC analysis performed as part of the response process for RAI 02.05.01-34. Based on the scheduled submittal date of this information and assuming an approximately two week review time for the Staff after being placed in the electronic reading room, FPL anticipates requesting a public meeting be held during the week of May 18.

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If you have any questions, or need additional information, please contact me at
561-691-7490.

Sincerely,



William Maher
Senior Licensing Director – New Nuclear Projects

WDM/RFB

Attachment: Updated Schedule for FSAR Chapter 2 RAI Responses and FSAR
Chapter 19

cc:

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

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Updated Schedule for FSAR Chapter 2 RAI Responses (includes supporting information identified to-date)		
2.5.1 Response Schedules (eRAI 7804)		
RAI	Response Approach	Target Response Date
02.05.01-34	<ul style="list-style-type: none"> • Address new information in Kula (2014) paper and other published authors • Conduct SSHAC • Conduct seismic hazard sensitivity study • Provide discussion in the response to RAI 	07/15/2015
Supporting Information	<ul style="list-style-type: none"> • Place SSHAC Questionnaire examples and list of experts contacted/to be contacted in electronic reading room 	04/13/2015
Supporting Information	<ul style="list-style-type: none"> • Place preliminary SSHAC Study Results in electronic reading room 	04/23/2015
Supporting Information	<ul style="list-style-type: none"> • Place SSHAC Study results in electronic reading room 	04/30/2015
02.05.01-35	<ul style="list-style-type: none"> • Update Phase 2 Earthquake Catalog to include smaller Cuba earthquakes • Provide figures and discussion in the response to RAI 	06/09/2015
Supporting Calculation	<ul style="list-style-type: none"> • Place updated Phase 2 Earthquake Catalog (Calculation #74) in electronic reading room 	04/23/2015
02.05.01-36	<ul style="list-style-type: none"> • Address new information in Cunningham et al. (2012), and related literature • Provide discussion in the response to RAI • Include new figure 	05/22/2015
02.05.01-37	<ul style="list-style-type: none"> • Address information in Klimchouk,(2009) and other related literature • Provide discussion in the response to RAI • Include new figure 	05/22/2015

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Updated Schedule for FSAR Chapter 2 RAI Responses (includes supporting information identified to-date)		
2.5.4 Response Schedules (eRAI 7811)		
RAI	Response Approach	Target Response Date
02.05.04-26	<ul style="list-style-type: none"> • Geophysical survey vendor specifies the critical void size for detection • Perform static and dynamic finite element analysis to determine impact of critical void size on NI stability • Include ITAAC for acceptance criteria on voiding beneath the NI 	06/17/2015
02.05.04-27	<ul style="list-style-type: none"> • Provide discussion in response to RAI on grout inspection and testing • Include ITAAC for shear wave velocity 	04/30/2015
02.05.04-29	<ul style="list-style-type: none"> • Provide clarification of engineering parameters or engineering analyses that are developed based on and/or not based on the overall pool of "SPT N" values in the RAI response • Add additional detail in the FSAR 	04/17/2015
02.05.04-30	<ul style="list-style-type: none"> • The results of a sensitivity analysis of the uniformity calculation with LB parameters for one half and UB parameters for the other half will be provided in the RAI response 	04/17/2015
Supporting Calculation	<ul style="list-style-type: none"> • Place sensitivity analysis calculation in electronic reading room 	04/17/2015

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Updated Schedule for FSAR Chapter 2 RAI Responses (includes supporting information identified to-date)		
2.5.4 Response Schedules (eRAI 7811)		
RAI	Response Approach	Target Response Date
02.05.04-32	<ul style="list-style-type: none"> RAI response to provide information on the available amount of onsite Category I fill available Include ITAAC for onsite backfill compaction. Include ITAAC for offsite backfill compaction Include ITAAC for offsite backfill chemical properties 	04/24/2015
02.05.04-33	<ul style="list-style-type: none"> RAI response to provide ITAAC for fill 	04/29/2015
02.05.04-35	<ul style="list-style-type: none"> RAI response to demonstrate the analysis is extremely conservative and factors of safety are actually higher 	04/17/2015
02.05.04-36	<ul style="list-style-type: none"> RAI response to provide a sensitivity analysis of the settlement hand calculation. The 3D finite element model analysis will be performed to consider lower bound properties for all layers 	04/30/2015
Supporting Calculation	<ul style="list-style-type: none"> Place sensitivity and 3D finite element model analyses in electronic reading room (to extent possible) 	04/30/2015

Updated Schedule for FSAR Chapter 19		
Chapter 19 Site Specific Seismic Margin Analysis (voluntary response)		
	Response Approach	Response Date
FSAR Subsection 19.55.6.3	<ul style="list-style-type: none"> Provide voluntary response with FSAR mark-ups for FSAR Subsection 19.55.6.3 	05/21/2015
Supporting Calculation	<ul style="list-style-type: none"> Place Site Specific Seismic Margin Analysis in electronic reading room 	04/17/2015