

PMTurkeyCOLPEm Resource

From: Orthen, Richard [Richard.Orthen@fpl.com]
Sent: Monday, August 03, 2015 11:54 AM
To: Comar, Manny
Cc: Burski, Raymond; Franzone, Steve; Maher, William; TurkeyCOL Resource
Subject: [External_Sender] ASER FSAR CHAPTER REVIEW STATUS MATRIX - 8/3/15
Attachments: image001.gif; 20150803_ASER_FSAR_CHAP_Review_Matrix.docx

Manny,

Attached is the subject matrix, updated through today.

Thanks.

Rick

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Subject: [External_Sender] ASER FSAR CHAPTER REVIEW STATUS MATRIX - 8/3/15
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From: Orthen, Richard

Created By: Richard.Orthen@fpl.com

Recipients:

"Burski, Raymond" <RAYMOND.BURSKI@fpl.com>
Tracking Status: None
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20150803_ASER_FSAR_CHAP_Review_Matrix.docx		51908

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ASER FSAR CHAPTER REVIEW STATUS MATRIX

FSAR Chapter	Safety Eval. Received Date	Associated ML#	Open Items/Remaining Actions to Complete Safety Evaluation
1			Hold for open chapters 1. COD date changes to June 2027 (Unit 6) & June 2028 (Unit 7)(Rev. 7)-FPL
2			1. RAIs& revisions for 2.5.1 (Separate sheet attached) 2. RAIs & revisions for 2.5.4 (Separate sheet attached) 3. Provide source of equation & /constants in FSAR Sec 2.2.3.1.1.7 – Complete
3			1. Provide calculations associated with Hurricane Missile RAI 3.5.3-34 – Calculations are available at WEC Office in Rockville. 2. NRC Audit: Week of June 22 nd , 2015– Complete, Follow-up actions in yellow highlights 3. Update Sec. 3.7 to address “2 over 1” issue (Separate sheet attached) 4. Update RAI 3.7.1-15 (Separate sheet attached)
4	05/08/2013		No Open Items
5	05/06/2014		No Open Items
6			1. ISG-11Hydrogen Venting – Generic response will followafter Duke-Levy submittal (FPL) Impacts Part 2, FSAR (Ch. 6), Part 10, ITAAC 2. ISG-11 MCR Dose – Generic response will follow after Duke-Levy submittal (FPL) Impacts Part 2, FSAR (Ch. 1, 3, 6, 7, 9, 11,12, 14, 15), Part 4, Tech. Specs, Part 7, Exemptions (Tier 1 changes), Part 10, ITAAC 3. ISG-11 MCR Heat-up – Generic response will follow after Duke-Levy submittal (FPL) Impacts Part 2, FSAR (Ch. 3, 6, 7, 9, 14), Part 4, Tech. Specs. 4. ISG-11 Condensate Return Header– Generic response will follow after Duke-Levy submittal (FPL) Impacts Part 2, FSAR (Ch. 1, 3, 5, 6, 14,16, 19), Part 4, Tech. Specs, Part 7, Exemptions (Tier 1 changes), Part 10, ITAAC
7	05/08/2013		No Open Items
8			SE in review
9			
10	05/06/2014		No Open Items
11			SE readied for reviewwith two COLA Rev. 7 Confirmatory Items
12	07/20/2015		No Open Items
13			1. Update SNMPPP & Chap. 13 Table based on existing site(August, FPL)
14	10/03/2013	ML13207A396 ML13207A381 ML12262A163	No Open Items
15	07/23/2013	ML13074A087 ML13074A076	No Open Items

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		ML12262A193	
16	05/08/2013		No Open Items
17	07/24/2013	ML13074A125 ML13074A108 ML12262A238	No Open Items
18	07/24/2013	ML13101A081 ML13101A063 ML12262A247	No Open Items
19			Hold for open chapters
20			<ol style="list-style-type: none"> 1. SFP Lic. Condition maybe revised by NRC 2. Mitigative Strategies Lic. Condition for -maybe revised/ 2 years is acceptable to FPL (NRC/FPL)
Fukushima			<ol style="list-style-type: none"> 1. Mitigating Strategies for Beyond Design Basis External Events in support of Fukushima NTTF requirements. Follow Levy submittal. (July, FPL)
LEVY /APOG Issues			
MISC Issues			<ol style="list-style-type: none"> 1. NSIR Site visit? 2. Identify CCS Freshening Impact, if any(Hold for final Admin Order)-FPL

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2.5.1 Response Schedules (eRAI 7804)			
RAI	Response Approach	Target Response Date	Actual 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 • Discuss final Questionnaire at Public meeting to be held on 7/2/15& 7/9/15 *Target Early submittal date is 7/10/2015	07/15/15*	Met
Supporting Information	<ul style="list-style-type: none"> • Place SSHAC Questionnaire examples and list of experts contacted/to be contacted in electronic reading room 	04/13/15	Met
Supporting Information	<ul style="list-style-type: none"> • Place preliminary SSHAC Study Results in electronic reading room 	04/23/15	Met
Supporting Information	<ul style="list-style-type: none"> • Place SSHAC Study results in electronic reading room 	04/30/15	Met
Supporting Information	<ul style="list-style-type: none"> • Place final SSHAC Questionnaire for Dr. Eberli in electronic reading room *awaiting final review & approval by Dr. Eberli	06/17/15*	Met
Supporting Information	<ul style="list-style-type: none"> • Place PHSA sensitivity calculation for Santaren Anticline in electronic reading room 	06/12/15	Met
Supporting Information	<ul style="list-style-type: none"> • Place draft response in electronic reading room (response will not be available until after 5 pm DST on 7/6) *Posted after 5 pm on 7/6/15	07/06/15	Late (1 day*)
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 	06/09/15	Early (1 day)
Supporting	<ul style="list-style-type: none"> • Place updated Phase 2 Earthquake Catalog (Calculation #74) in electronic reading room 	04/23/15	Early (1 week)
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 	05/22/15	Early (3 days)
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 	05/22/15	Early (3 days)
02.05.01-38 Issued 6/16/15	<ul style="list-style-type: none"> • Address an additional tectonic feature • No additional analysis is anticipated 	07/16/15	Early (1 day)
02.05.01-39 Issued 6/16/15	<ul style="list-style-type: none"> • Revised figures and provide table of coordinates of karst features in site vicinity 	07/16/15	Early (1 day)

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2.5.4 Response Schedules (eRAI 7811)			
RAI	Response Approach	Target Response Date	Actual Response Date
02.05.04-26	<ul style="list-style-type: none"> • Grout Layout (previously 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 • Discuss revised ITAAC at Public meeting to be held on 7/2/15 • Ensure/revise as required to confirm response meets methodology as provided to NRC auditors and addresses NRC Comment 01 <p>**Final response/calculation is tracking to 7/17/2015</p>	06/17/15 Revised Date 07/15/15**	Met
Supporting Calculation	<ul style="list-style-type: none"> • Provide calculation in electronic reading room <p>* 1 day late to the original 7/15/2015 schedule date **Final response/calculation is tracking to 7/17/2015</p>	07/15/15**	Late (1 day*)
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 	04/30/15	Early (1 day)
02.05.04-27 Revision	<ul style="list-style-type: none"> • Revise ITAAC to address extended drilling zone and to narrow shear wave velocity acceptance criteria • Revise ITAAC based on feedback from NRC at Public meeting held on 6/9/15 • Discuss removing ITAAC based on sensitivity at Public meeting to be held on 7/2/15 <p>**Final response/calculation is tracking to 7/17/2015</p>	07/15/15**	Met
Supporting Calculation	<ul style="list-style-type: none"> • Provide sensitivity calculation in electronic reading room <p>*Posted after 5 pm on 7/6/15</p>	07/06/15	Late (1 day*)
02.05.04-28	<ul style="list-style-type: none"> • Provide reasoning for why lower blow counts in the initial investigation • Include corrected and measured blow count figures from presentation in FSAR 	04/07/15	Late (3 days-original target prior to schedule ltr)
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 	04/17/15	Met
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 	04/17/15	Met
Supporting	<ul style="list-style-type: none"> • Place sensitivity analysis calculation in electronic reading room 	04/17/15	Met

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Calculation			
02.05.04-31	<ul style="list-style-type: none"> • Provide ITAAC for fill concrete 	04/10/15	Met
02.05.04-31 Revision	<ul style="list-style-type: none"> • Revise ITAAC based on feedback from NRC at Public meeting held on 6/9/15 • Discuss revised combined ITAAC at Public meeting to be held on 7/2/15 	07/15/15	Early (2 days)
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 	04/24/15	Early (1 week)
02.05.04-32 Revision	<ul style="list-style-type: none"> • Revise ITAAC based on feedback from NRC at Public meeting held on 6/9/15 • Discuss FSAR revision and deletion of ITAAC at Public meeting to be held on 7/2/15 	07/15/15	Early (2 days)
02.05.04-33	<ul style="list-style-type: none"> • RAI response to provide ITAAC for fill 	04/29/15	Early (2 days)
02.05.04-33 Revision	<ul style="list-style-type: none"> • Revise ITAAC based on feedback from NRC at Public meeting held on 6/9/15 • Discuss revised combined ITAAC at Public meeting to be held on 7/2/15 	07/15/15	Early (2 days)
02.05.04-34	<ul style="list-style-type: none"> • RAI response to provide info on Mechanically Stabilized Earth (MSE) wall 	03/20/15	Met
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 	04/27/15	Met
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	Early (1 day)
Supporting Calculation	<ul style="list-style-type: none"> • Place sensitivity and 3D finite element model analyses in electronic reading room (to extent possible) 	04/30/15	Met
02.05.04-37	<ul style="list-style-type: none"> • Provide additional details similar to those in the Levy COL Application. 	04/09/15	Late (1 day-original target prior to schedule ltr)

Chapter 3 Site Specific Seismic Issues			
	Response Approach	Target Response Date	Actual Response Date
FSAR Subsection 3.7	Chapter 3 Site Specific Seismic 2 over 1 issue (voluntary response) <ul style="list-style-type: none"> • Provide voluntary response with FSAR mark-ups for FSAR Subsection 3.7 (i.e. 3.7.2.8 "Interaction of Seismic Category II and Nonseismic Structures with Seismic Category I Structures, Systems, or Components") • Ensure/confirm response meets methodology as provided to NRC auditors during week of 6/22 	07/30/15	Met
Supporting Calculation	<ul style="list-style-type: none"> • Place draft response in electronic reading room 	07/21/15 Revised Date 07/23/15	Met

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03.07.01-15	<ul style="list-style-type: none"> • Provide revised RAI response: <ol style="list-style-type: none"> 1. Address NRC comments 04, 05, & 06 (also addresses Audit Issue #3) 	07/17/15	Met
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Chapter 19 Site Specific Seismic Margin Analysis (voluntary response)			
	Response Approach	Target Response Date	Actual 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 	05/21/15	Early (2 days)
Supporting Calculation	<ul style="list-style-type: none"> • Place Site Specific Seismic Margin Analysis in electronic reading room 	04/17/15	Met