

## PMSTPCOL PEmails

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**From:** Tai, Tom  
**Sent:** Tuesday, February 21, 2012 9:27 AM  
**To:** Green, Sharon; Misenhimer, David; Chappell, Coley; wemookhoek@stpegs.com; Head, Scott; Elton, Loree; jaagles@stpegs.com; jeprice@stpegs.com; Scheide, Richard; Chakrabarti, Samir; Morante, Richard J; Wei, Xing; Parvizi, Fariba; Chakravorty, Manas; Mansour Tabatabaie; peter@astralengineering.com; ravindramalathi@cox.net; Wu, Cheng-Ih; Spicher, Terri; Colaccino, Joseph; Huang, Jason; Wong, Yuken; Williams, Stephen; Dehmel, Jean-Claude; Stutzcage, Edward; Hinson, Charles; McCoppin, Michael  
**Cc:** STPCOL; Wunder, George; Jenkins, Ronaldo  
**Subject:** NINA/STP OI Telecom agenda for February 22, 2012  
**Attachments:** OI List 2-21-12.pdf

Good Morning,

**NOTE to Sharon:** Please enter the Open Items Master List file (OI list\_2-22-12.pdf) into ADAMS and provide the ADAMS accession number to Fariba and myself so as to be included in the meeting summary for February 22, 2012.

**The NINA/STP Open Items telecom is scheduled for February 22, 2012 starting at 1 pm.**

**Until further notice, there will be NO morning session.**

These are standing bridge lines available every Wednesday from 1:00 pm to 4:00 pm. NRC HQ staff will participate in the morning telecom in room **T-10C1**.

Conference Line - 866-803-2146  
Pass Code - 7482641

### 1:00 pm agenda:

- Chapter 9 Fuel Rack Structural Analysis
- OI Master List (attached)
- Comments/Questions
- Any other COL related topics
- Chapters 3.7/3.8 audit date and agenda
- Scope and status of hurricane wind analyses
- Staff feedback of RWB classification analysis audit
- Impact of RW-IIa to Chapters 3.7/3.8 scope and schedule
- Miscellaneous

### 3:00 pm

- ASME spec audit actions status and update
- ACSTIC2 results (plant condition) comparison with K-6 measurements
- March 2012 public meeting

Regards

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**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 3297

**Mail Envelope Properties** (0A64B42AAA8FD4418CE1EB5240A6FED160DF2FC335)

**Subject:** NINA/STP OI Telecom agenda for February 22, 2012  
**Sent Date:** 2/21/2012 9:27:17 AM  
**Received Date:** 2/21/2012 9:27:19 AM  
**From:** Tai, Tom

**Created By:** Tom.Tai@nrc.gov

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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1497	2/21/2012 9:27:19 AM
OI List 2-21-12.pdf	442208	

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**Priority:** Standard  
**Return Notification:** No  
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STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
4	1	1-5	(6049) 01-23 (6167) 01-24	Financial Qualifications	<b>NRC - Review response to RAI 01-24</b>	2/17/2012		TBD	open
4A	1	1-5	(5856) 01-21 (6046) 01-22	Foreign Ownership	See Letter ML113390176, NRC/STP met on 1/26/12 and will meet next on 3/5/12	3/5/2012	TBD	TBD	open
5	1	1-6	3944 01-15	Parts 30, 40 and 70	STP - to update COL revision 7 w/ part 70 changes	FSAR Rev. 7		8/31/2011	Closed
38	3	3.7 and 3.8	3.7 and 3.8 RAIs	3.7 and 3.8 Open Items and RAIs being handled by Tom Tai during weekly breakout calls	STP action with NRC discussion				open
38A	03.05.03-2		3224	Update 3.H.6.6.6 (in 3H.6.9 instead of 3H.6.6.6 as stated in RAI response)	NINA	FSAR Rev 4	1/3/2012		Confirmed and Closed
40A	3	03.09.01-1	03.09.01-1	ACSTIC2 V&V	NINA - provide adequate V&V package for ACSTIC2 and clarify ACSTIC versus ACSTIC2. Superceded by RAI 03.09.01-2.	8/18/2011	1/4/2012	NA	Closed and Unresolved
39	3	03.09.02-16	03.09.01-2 (6252) 03.09.02-16 to -43 (5058)	ACSTIC2 V&V issue from audit Questions from the August 23-25, 2010 audit of WEC, SWE, Toshiba, and XGEN analyses	<b>NINA to respond to RAI</b> NRC - to review latest responses to RAI 5058 in 5/16/11	1/19/2012 7/7/2011			open Closed
40B	3	03.09.02-21	03.09.02-21 (5058)	ACSTIC2 FSAR markup	NRC - confirm acceptability of ACSTIC2 in the closure of RAI 03.09.01-2	2/29/2012			confirmatory
40	3	3.09.02-44	03.09.02-44 (5256)	Questions from the October 18-19 2010 audit of CVAP, including ACM methodology and license condition	<b>NRC - to review latest response to 3.09.02-44 on 6/30/11</b>	2/29/2012			Closed
41	3	3.09.02-45	03.09.02-45 (5343)	Table 5.4 of FIV Stress Analysis Report of the Control Rod Guide Tube and Control Rod Drive Housing	NRC - to review responses to 3.09.02-45 on 2/28/11, and responses to RAI 5256 and 03.09.02-49 on 6/30/11	8/30/2011			closed
42	3	3.09.02-46	03.09.02-46 (5343)	Tables 5.11 and 5.13 of FIV Stress Analysis Report of the High Pressure Core Flood Sparger and Coupling	NRC - to review responses to 3.09.02-46 on 2/28/11, and responses to RAI 5256 and 03.09.02-49 on 6/30/11	8/30/2011			closed
43	3	3.09.02-47	03.09.02-47 (5343)	Section 2.2 of the FIV Stress Analysis Report of the Shroud	<b>NRC - to review responses to 3.09.02-47 on 2/28/11, and responses to RAI 5256 and 03.09.02-49 on 6/30/11</b>	2/29/2012			Closed



STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
44	3	3.09.02-48	03.09.02-48 (5343)	STP steam dryer modal analysis and Japanese hammer test results	NRC - to review responses to 3.09.02-48 on 2/28/11, and responses to RAI 5256 and 03.09.02-49 on 6/30/11	8/30/2011			closed
45	3	3.09.02-49	03.09.02-49 (5343)	Sample pressure spectra on the sub-scale steam dryer	NRC - Review of revised technical reports submitted by STP on 6/30/11 to support review of FIV program (RAI 03.09.02-49 revised submittal on 6/30/11)	2/29/2012			Closed
46	3	3.09.02-50	03.09.02-50 (5343)	Sub-scale dryer pressure spectra compared to Japanese ABWR	NRC - to review responses to 3.09.02-50 on 2/28/11, and responses to RAI 5256 and 03.09.02-49 on 6/30/11	2/29/2012			Closed
48	3	03.09.04-1	03.09.04-1 (5870)	FMCRD spec load requirements	NRC - Review response submitted 8/15/11. Also provide feedback on HCU spec	2/29/2012			open
49	3	3.09.06-1	2899 03.09.06-16, -18, -24, -25, COL Items 3.9.7.3, 3.9.7.4	Follow-up audit of design and procurement spec	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
50	3	3.09.06-5	5453 03.09.06-27, 28	1. Compliance with ASME OM Code for 24 month testing of RHR system fill pumps 2. Revisions to Table 3.9S-1	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
51	9	tbd	5685 (ltr 377), 09.01.02-2	Descriptions of pools, racks and fuel-handling system	NRC - Review of RAI responses submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
52	9	tbd	5685 (ltr 377), 09.01.02-3	Fuel rack loads and load combinations	NRC - Review of RAI responses submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
53	9	tbd	5685 (ltr 377), 09.01.02-4	Fuel drop analysis	NRC - Review of RAI responses submitted on 11/14/2011	1/17/2012		6/22/2012	Closed
54	9	tbd	5685 (ltr 377), 09.01.02-5	Fuel rack seismic modeling and analysis	NRC - Review of RAI responses submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
55	9	tbd	5685 (ltr 377), 09.01.02-6	Fuel rack design checks	NRC - Review of RAI responses submitted on 11/14/2011	1/17/2012		6/22/2012	open
56	9	tbd	5685 (ltr 377), 09.01.02-7	Fuel rack quality assurance programs and quality control issues	NRC - Review of RAI responses submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
57	9	tbd	5685 (ltr 377), 09.01.02-8	Fuel rack thermal stress analysis	NRC - review of RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
58	9	tbd	5685 (ltr 377), 09.01.02-9	Fuel rack seismic loading	NRC - Review of revised RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	open
61	9	tbd	5540 (ltr 375), 09.04.03-2	Site Specific ITAAC and Tier 1 exemption for 99% charcoal filter efficiency	NRC - Review 3/31/11 response and supporting white paper submitted on 6/15/11. NRC staff to provide SER update on 9/9/11.	9/9/2011		6/22/2012	Closed
62	9	tbd	5540 (ltr 375), 09.04.03-3	Standard or Site Specific departure regarding charcoal efficiency design change	NRC - Review 3/31/11 response and supporting white paper submitted on 6/15/11. NRC staff to provide SER update on 9/9/11.	9/9/2011		6/22/2012	Closed
111	9	tbd	5987 (ltr 412) 09.01.02-10	Spent Fuel Assembly Integrity	NRC-Review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Open
112	2	tbd	2.05.04-36	Chapter 2 Settlement ITAAC (CI - 02.05.04.05-1)	STP-include in FSAR Revision 7	FSAR Rev. 7			Confirmatory
113	9	tbd	6070 (ltr 413) 09.01.02-11	Supp. fuel rack RAI to RAI 09.01.02-2, parts a & h	NRC - review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
114	9	tbd	6070 (ltr 413) 09.01.02-12	Supp. fuel rack RAI to RAI 09.01.02-3, part c	NRC - review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
115	9	tbd	6070 (ltr 413) 09.01.02-13	Supp. fuel rack RAI to RAI 09.01.02-4, part a	NRC - review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed
116	9	tbd	6070 (ltr 413) 09.01.02-14	Supp. fuel rack RAI to RAI 09.01.02-5, parts d & e	NRC - review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
117	9	tbd	6070 (ltr 413) 09.01.02-15	Supp. fuel rack RAI to RAI 09.01.02-6, part a	NRC - review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed / Unresolved
118	9	tbd	6070 (ltr 413) 09.01.02-16	Supp. fuel rack RAI to RAI 09.01.02-7	NRC - review RAI response submitted on 11/14/2011	1/17/2012		6/22/2012	Closed
119	2	tbd	tbd	Chapter 2.4 Potential CIs	NRC - potential CIs for FSAR Revision 7	FSAR Rev. 7			Open

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
120	12	tbd	12.02-20	Chapter 12 RAI response	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
121	12	tbd	Chapter 12.2	Issues specified in NRC e-mail dated 11/17/11, STP responses to e-mail acceptable to staff	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
122	12	tbd	Chapter 12.2	Changes identified regarding Chp 12 mark-ups associated with latest responses to RAI 03.08.04-18	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
146	13	tbd	3271 (ltr 203) 13.06.01-2	Chapter 13.7-FFD	STP-Include in FSAR Revision 7	FSAR Rev. 7			Confirmatory
169	16	16-3	3042, 16-3	Section 3.1 TS editorial changes	STP - include in FSAR Revision 7	FSAR Rev. 7			Confirmatory
196	19	19-9	19.01-31	Shared Fire Protection System	STP - High winds, RAI response to be provided in FSAR Revision 7	FSAR Rev. 7			confirmatory
197	15	tbd	tbd	Departure STP DEP 15.6-1	STP - include in FSAR Revision 7	FSAR Rev. 7			open
198	19	tbd	tbd	ACRS Action Item #100 for 19.14 Attachment "A" - LOLA	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
199	7	07.02-3	3130, 07.02-3	Future revision to revert to DCD value of 5 ms for sequential events interval	NRC - Clarify confirmatory status	11/30/2011			closed
200	7	07.02-4	3130, 07.02-4	Figure 7.9S-1 replacing Figure 7A-1	NRC - Clarify confirmatory status	11/30/2011			closed
201	7	07.03-4	3131, 07.03-4	Incorporation of proposed optimal mode status tracked as confirmatory	NRC - Clarify confirmatory status	11/30/2011			closed
202	17	17.04-9	3998, 17.04-09	Issues specified in NRC e-mail dated 11/17/11, 11/23/11 OI call discussion	STP - include in FSAR Revision 7	FSAR Rev. 7			confirmatory
203	11	tbd	Draft RAI 5124/3171, 11.05-1	Chapter 11 draft RAI	NRC - Determine if issuance of RAI is needed, RAI NOT ISSUED	tbd			Closed
204	2	02.03.01	RAI 02.03.01-24, 6246	Chapter 2 Extreme winds RAI	STP - RAI Response	1/15/2012			open
205	9	tbd	RAI 09.01.02-17, 6263, Question 23123	Chapter 9, Fuel Racks, WCAP clarifications	STP - RAI Response	2/8/2012		6/22/2012	open
206	9	tbd	RAI 09.01.02-18, 6263, Question 23124	Chapter 9, Fuel Racks, functional capability and/or structural integrity	STP - RAI Response	2/8/2012		6/22/2012	open
207	9	tbd	RAI 09.01.02-19, 6263, Question 23125	Chapter 9, Fuel Racks, dropped fuel assembly radiological consequences	STP - RAI Response	2/8/2012		6/22/2012	open
208	9	tbd	RAI 09.01.02-20, 6263, Question 23126	Chapter 9, Fuel Racks, wall boundaries and gaps between racks & walls	NRC - Review RAI Response	3/8/2012		6/22/2012	open
209	9	tbd	RAI 09.01.02-21, 6263, Question 23127	Chapter 9, Fuel Racks, Revise response to RAI 09.01.02-9	NRC - Review RAI Response	3/8/2012		6/22/2012	open
210	9	tbd	RAI 09.01.02-22, 6263, Question 23128	Chapter 9, Fuel Racks, WCAP modeling methodology, effects of fluid-structure interaction	STP - RAI Response	2/8/2012		6/22/2012	open
211	9	tbd	RAI 09.01.02-23, 6263, Question 23129	Chapter 9, Fuel Racks, validation and WPM rack finite element models	NRC - Review RAI Response	3/8/2012		6/22/2012	open
212	9	tbd	RAI 09.01.02-24, 6263, Question 23130	Chapter 9, Fuel Racks, TGSIS discussion	STP - RAI Response	2/8/2012		6/22/2012	open

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
213	9	tbd	RAI 09.01.02-25, 6263, Question 23131	Chapter 9, Fuel Racks, supplemental RAI to RAI 09.01.02-10 response	STP - RAI Response	2/8/2012		6/22/2012	open
214	9	tbd	RAI 09.01.02-26, 6263, Question 23132	Chapter 9, Fuel Racks, supplemental RAI to RAI 09.01.02-2, Rev. 1 response	NRC - Review RAI Response	3/8/2012		6/22/2012	open
215	9	tbd	RAI 09.01.02-27, 6263, Question 23133	Chapter 9, Fuel Racks, STP 3&4 spent fuel storage rack material data	NRC - Review RAI Response	3/8/2012		6/22/2012	open
216	9	tbd	RAI 09.01.02-28, 6263, Question 23134	Chapter 9, Fuel Racks, supplemental RAI to RAI 09.01.02-12 response	STP - RAI Response	2/8/2012		6/22/2012	open
217	9	tbd	RAI 09.01.02-29, 6263, Question 23135	Chapter 9, Fuel Racks, supplemental RAI to RAI 09.01.02-8 & WCAP	NRC - Review RAI Response	3/8/2012		6/22/2012	open
218	9	tbd	RAI 09.01.02-30, 6263, Question 23136	Chapter 9, Fuel Racks, "Summary of Seismic Forces" & "Summary of Seismic Displacements"	STP - RAI Response	2/8/2012		6/22/2012	open
219	9	tbd	RAI 09.01.02-31, 6263, Question 23137	Chapter 9, Fuel Racks, supplemental RAI to RAI 09.01.02-5, item I & WCAP	STP - RAI Response	2/8/2012		6/22/2012	open
220	9	tbd	RAI 09.01.02-32, 6263, Question 23138	Chapter 9, Fuel Racks, fuel impact submodel	STP - RAI Response	2/8/2012		6/22/2012	open