PMSTPCOL PEmails

From: Eudy, Michael
Sent: Thursday, March 03, 2011 1:36 PM
To: Chappell, Coley; Elton, Loree
Cc: Tai, Tom; Govan, Tekia; Wunder, George; Tonacci, Mark; STPCOL
Subject: 3/4/11 STP OI call
Attachments: OI list_3-4-11.pdf; STP 3 7 RAI Status 2-24-11.pdf; STP 3 8 RAI Status 2-24-11.pdf

Importance: High

Coley,

I have attached the revised Open Items list to be discussed during the call tomorrow at 301-415-4045. In addition, I have also attached two supplemental spread sheets for section 3.7 and 3.8 Open Items, which has been modified to only show STP/NINA actions.

Agenda:

1. Mike Eudy – Chapter 12 Spent Fuel Pool Open Item (tentative), 10-10:30
2. Mike Eudy - Open Items status, 10:30-11:00
3. Tekia Govan – Section 2.4.4 RAI break out call, 11-noon
4. Tom Tai – Section 3.7 and 3.8 RAI break out call, Monday afternoon 3/7 from 1:30-3:30.

Michael A. Eudy - Project Manager
U.S. Nuclear Regulatory Commission
NRO/DNRL/NGE1&2
301-415-3104

Hearing Identifier: SouthTexas34Public_EX
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Subject: 3/4/11 STP OI call
Sent Date: 3/3/2011 1:35:37 PM
Received Date: 3/3/2011 1:35:39 PM
From: Eudy, Michael

Created By: Michael.Eudy@nrc.gov

Recipients:
"Tai, Tom" <Tom.Tai@nrc.gov>
Tracking Status: None
"Govan, Tekia" <Tekia.Govan@nrc.gov>
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"Wunder, George" <George.Wunder@nrc.gov>
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"Elton, Loree" <leelton@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	709	3/3/2011 1:35:39 PM
OI list_3-4-11.pdf	112511	
STP 3 7 RAI Status 2-24-11.pdf	94196	
STP 3 8 RAI Status 2-24-11.pdf	102062	

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

2011 STP Item Status Counts

OPEN	1/12/2011	1/19/2011	1/26/2011	2/9/2011	2/16/2011	2/23/2011	3/4/2011
NRC action	45	34	37	34	31	36	22
STP action	20	25	22	22	20	28	37
	65	59	59	56	51	64	59
CONFIRMATORY	**1/12/2011**	**1/19/2011**	**1/26/2011**	**2/9/2011**	**2/16/2011**	**2/23/2011**	**3/4/2011**
NRC action	2	2	2	2	2	2	2
STP Action	81	138	154	152	154	155	147
	83	140	156	154	156	157	149
CLOSED	**1/12/2011**	**1/19/2011**	**1/26/2011**	**2/9/2011**	**2/16/2011**	**2/23/2011**	**3/4/2011**
	53	92	92	95	101	101	116

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
1	1	1-1	n/a	Tier 1 Departure exemptions	NRC - exemption issuance (depends on completion of all other SER chapters and FEIS)	2nd Quarter 2011		End of P4	open
2	1	1-2	01-17	FSAR editorial errors	STP - FSAR revision				confirmatory
3	1	1-3	n/a	Plant aging management	Closed				closed
4	1	1-4	n/a	Hydrodynamic loads, Alternate Vendor Issue	Closed				closed
5	1	1-5	n/a	Financial Qualifications	NRC - Ongoing Review of Rev 5				open
6	1	1-6	3944 01-15	Parts 30, 40 and 70	Closed				closed
7	1	1-7	n/a 01-18	AIA - Compliance with 10CFR50.150	STP - FSAR revision				confirmatory
8	1	1-8	3174 01-14	OQPD RGs - TIED TO RAI 17.5-9	STP - FSAR revision				confirmatory
9	1	1-9	n/a	Tier 2 Deps Not in table 1.9S-3	STP - FSAR revision				confirmatory
10	1	1-10	n/a	Construction Impact on Units 1 and 2	Closed				closed
11	1	tbd	5303, 01-19	AIA revision references	STP - FSAR revision				confirmatory
12	1	tbd	5419, 01-20	AIA and departures	STP - FSAR revision				confirmatory
13	2	2.4.10-1	251, 02.04.10-1	Flooding parameters important for design of safety related SSCs, MCR Breach	NRC - Confirmatory Calculations	2/10/2011			open
14	2	2.4.12-1	4551, 02.04.12-38	NRC Audit issues and confirm consistency of changes in the geometric mean hydraulic conductivity values.	Closed				closed
15	2	2.4.12-1	4551, 02.04.12-39	Complete evaluation of post-construction conditions in the Groundwater Model.	Closed				closed
16	2	2.4.12-1	4551, 02.04.12-42	Complete Groundwater Model evaluation and perform sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
17	2	2.4.12-1	4551, 02.04.12-43	Perform sensitivity analysis of the impact of flooded cells on the Groundwater Model results.	Closed				closed
18	2	2.4.12-1	4551, 02.04.12-44	Supplemental response to address NRC Audit issues and perform sensitivity analysis and evaluation of the Groundwater Model	Closed				closed
19	2	2.4.12-1	4551, 02.04.12-45	Supplemental response to address NRC Audit issues and perform sensitivity analysis and	Closed				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
20	2	2.4.12-1	4551, 02.04.12-47	Complete Groundwater Model sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
21	2	2.4.12-1	4551, 02.04.12-40	Complete validation runs of the Groundwater Model results.	Closed				closed
22	2	2.4.12-1	4551, 02.04.12-49	Complete evaluation of the Groundwater Model and perform sensitivity analysis. (Qualitative Response) (Final Response)	NRC - Review 2/10/11 response	2/10/2011	3/10/2011	3/10/2011	open
23	2	2.4.12-1	4551, 02.04.12-48a	Perform sensitivity analysis of the relief well operation on the groundwater levels and model the CFRW.	Closed				closed
24	2	2.4.12-1	4551, 02.04.12-48b	Complete evaluation of the Groundwater Model (i.e., model ground cover and recharge) (Qualitative Response) (Final Response)	Closed				closed
25	2	2.4.12-1	4551, 02.04.12-46	Complete Groundwater Model evaluation and perform sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
26	2	2.4.12-1	4551, 02.04.12-50	Complete evaluation of the Groundwater Model and perform sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
27	2	2.4.13-1	n/a	Tie w/closure of OI 2.4.4-1 and 2.4.12-1	NRC - Review 12/15 and 12/22 responses	2/9/2011	2/9/2011	2/9/2011	open
28	2	2.4.4-1	5101, 02.04.04-14	Threshold maximum velocity and erosion	NRC - Review 12/22 response	2/9/2011	2/9/2011	2/9/2011	open
29	2	2.4.4-2	5101, 02.04.04-15	Revised design-basis flood characteristics	NRC - Review 12/22 response	2/9/2011	2/9/2011	2/9/2011	open
30	2	2.4.5-1	4477, 5102, 02.04.05-10, 02.04.05-11	SLOSH Model	Closed				closed
31	2	2.5.4-37	4824, 02.05.04-37	ITAAC for backfill, shear wave velocity and settlement (specific tests, frequency, and standard)	Closed				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
32	2	TBD	4279, 02.05.02-28	FSAR discrepancy in section 2.5S2	Closed				closed
33	3	3.02.02-6	2920 03.02.02-6 03.02.02-7 03.02.02-9	Request new site specific ITAAC to verify QG and ASME code class and seismic classification	STP - FSAR revision				confirmatory
34	3	3.02.02-8	2920 03.02.02-8 03.02.02-11	Request if FSAR figures will be updated to reflect classification and boundaries.	STP - FSAR revision				confirmatory
35	3	3.04.02-10	4992 03.04.02-4 (3322) 03.04.02-8 (4058)	COL Information item 3.7, Flood Protection Requirements for Other Structures	STP - FSAR revision				confirmatory
36	3	3.04.02-11	4993 03.04.02-1 (3322) 03.04.02-9 (4091)	Hydrodynamic loads - Flood Protection	STP - FSAR revision				confirmatory
37	3	3.04.02-6	4058 03.04.02-2 (3322) 03.04.02-6 (4058)	Watertight doors, FSAR revision, response revised 11/29/10 per audit, NRC relook at status	STP - Revision 6				confirmatory
38	3	3.04.02-7	4058 03.04.02-3 (3322) 03.04.02-7 (4058)	Below grade tunnels	STP - FSAR revision				confirmatory
39	3	3.7 and 3.8	3.7 and 3.8 RAIs	3.7 and 3.8 Open Items and RAIs in attached spreadsheets	Section 3.7 = 23 open items, 11 STP Section 3.8 = 14 open items, 10 STP				open
40	3	3.09.02-16	03.09.02-16 to -43 (5058)	Questions from the August 23-25, 2010 audit of WEC, SWE, Toshiba, and XGEN analyses	STP - To provide letters for each calculation to confirm information from recent audit	3/3/2011	4/3/2011	4/3/2011	open
41	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	STP - to complete CVAP by 2/28/11	2/28/2011	3/28/2011	3/28/2011	open
42	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	STP - Respond to RAI and 1/24-1/26 audit	2/28/2011	3/28/2011	3/28/2011	open
43	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	STP - Respond to RAI and 1/24-1/26 audit	2/28/2011	3/28/2011	3/28/2011	open
44	3	3.09.02-47	03.09.02-47 (5343)	Section 2.2 of the FIV Stress Analysis Report of the Shroud	STP - Respond to RAI and 1/24-1/26 audit	2/28/2011	3/28/2011	3/28/2011	open
45	3	3.09.02-48	03.09.02-48 (5343)	STP steam dryer modal analysis and Japanese hammer test results	STP - Respond to RAI and 1/24-1/26 audit	2/28/2011	3/28/2011	3/28/2011	open
46	3	3.09.02-49	03.09.02-49 (5343)	Sample pressure spectra on the sub-scale steam dryer	STP - Respond to RAI and 1/24-1/26 audit	2/28/2011	3/28/2011	3/28/2011	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
47	3	3.09.02-50	03.09.02-50 (5343)	Sub-scale dryer pressure spectra compared to Japanese ABWR	STP - Respond to RAI and 1/24-1/26 audit	2/28/2011	3/28/2011	3/28/2011	open
48	3	3.09.03-6	4793, 03.09.03-6	Complete audit of design specifications.	NRC - Review latest responses and continue to evaluate acceptability of using 2004 Edition of ASME Section III Division 2 for specifications	2/16/2011			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 - FSAR revision				confirmatory
50	3	3.09.06-5	2899 03.09.06-5, 7, 8, 9, 14, 23 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 - Respond to supplemental RAIs	3/14/2011	4/14/2011	4/14/2011	open
51	3	3.11-1	3328 03.11-1, -2, -3, -5, & -6	Audit of EQ Program in mid-2010	STP - FSAR revision. Based on Dec 7 audit, STP will docket the EER and EQP separately	2/24/2011	3/24/2011	3/24/2011	open
52	3	3.11-7	4668 3.11-7	Address U3&4 EQP instead of referencing U1&2	STP - FSAR revision				confirmatory
53	4	4.03-1	4161 04.03-3	Inconsistencies with figures in COLA vs. DCD	Closed				closed
54	4	4.03-2	4143 04.03-2	Figure 4.3-2 loading patterns, need for safety finding	Closed				closed
55	4	4.04-1	4133, 04.04-3, 5047, 04.04-4	Fuel testing & acceptance criteria	STP - FSAR revision				confirmatory
56	4	4.06-1	3975 04.06-4	Provide Backfill RPV report	Closed				closed
57	5	5.2.1.2-1	2831 05.02.01.02-1	Applicant requested to provide a full description of ISI to specify Code cases.	STP - FSAR revision				confirmatory
58	5	5.2.1.2-2	2831 05.02.01.02-2	Applicant requested to provide a full description of IST to specify Code cases.	STP - FSAR revision				confirmatory
59	5	5.2.3-2	3904 05.02.03-2	Applicant to modify Departures report to clarify impact of departure.	STP - FSAR revision				confirmatory

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
60	5	5.2.5-5	4354 05.02.05-5	Alarm response procedures and Surveillance procedures to be added to FSAR.	STP - FSAR revision				confirmatory
61	5	5.3.2-1	3744 05.03.02-2	Topical Report to support application plant-specific PTLR issues.	Closed				closed
62	5	5.3.2-5	4559 05.03.02-5	PTLR revision	Closed				closed
63	5	5.4.6-1	2777 05.04.06-2	Issues involving RCIC turbine-pump design.	Closed				closed
64	5	5.4.6-3	4334 05.04-06-3	NPSH calculations	Closed				closed
65	5	5.4.7-1	2539 05.04.07-1	Wetwell Spray	Closed				closed
66	5	5.4.7-8	none	SER ERROR	Closed				closed
67	5	5.4-2	3527 05.04-2	Applicant to provide contingency plan for RIP maintenance.	STP - FSAR revision				confirmatory
68	5	STD DEP T1 2.4-3	Chapter 5 OI 05.04.06-2 05.04.06-3	RCIC Turbine/Pump, See OIs 05.04.06-2 and 05.04.06-3	Closed				closed
69	6	6.2.1.1.C-14	4264 06.02.01.01.C-14	Mass and Energy confirmation	STP - FSAR revision				confirmatory
70	6	6.2.1.1.C-15	4264 06.02.01.01.C-15	FSAR Update	STP - FSAR revision				confirmatory
71	6	6.2.1.1.C-16	4264 06.02.01.01.C-16	FSAR Update	STP - FSAR revision				confirmatory
72	6	6.2.1.1.C-17	4264 06.02.01.01.C-17	Vacuum breaker COL Item	Closed				closed
73	6	6.2.1.1.C-18	4264 06.02.01.01.C-18	FSAR Update	STP - FSAR revision				confirmatory
74	6	6.2.2-26	4484 06.02.02-26	Latent Debris	Closed				closed
75	6	6.2.2-27	4577, 06.02.02-27 5064, 06.02.02-28, 29, 30 and 31	Aluminum Corrosion	STP - FSAR revision				confirmatory

STP Phase 4 Open Items

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76	6	6.4-2	4330 06.04-2 06.04-3	Maximum Puddle Area, Toxic Gas	Closed				closed
77	6	TBD	4133, 04.04-3	Latent Fiber Assumption for Downstream Effects Testing, to be covered by revised response to 04.04-4	STP - FSAR revisions				confirmatory
78	6	STD DEP T2 9.4-1	Chapter 6 06.04-2	Toxic Gas ITAAC	See OI 06.04-2				closed
79	7	7-5	3377 7-5	Data communication	Closed				closed
80	7	7.1-15	4241 07.01-15 07.01-16	Setpoint Methodology	STP - FSAR revision				confirmatory
81	7	7.6-2	4533 07.06-2	COL Item 7.2	Closed				closed
82	7	7.6-3	4528 07.06-3	STD DEP T1 2.2-1 impact on 7.6	Closed				closed
83	7	TBD	07.01-14	RG 1.152 Rev 2 Applicability	Closed				closed
84	8	8.1-1	3848 08.01-2	EMI	Closed				closed
85	8	8.2-1	3731 08.02-21	Switchyard battery	STP - FSAR revision				confirmatory
86	8	8.2-2	3494 08.02-22	Transmission line failure	Closed				closed
87	8	8.2-3	4017 08.02-23 08.02-24	Inaccessible cable testing program	Closed				closed
88	8	8.2-4	3731 08.02-20	Communication	Closed				closed
89	8	8.3.1-1	3619 08.03.01-14	Diesel temp	STP - FSAR revision				confirmatory
90	8	8.3.1-2	3619 08.03.01-13	Isolation devices	Closed				closed
91	8	8.3.1-3	2389 08.03.01-4 supp 3	FSAR 8.3.3.5.1 is not revised per 8.3.1-4 S3. Inadvertently revised FSAR 8.3.3.5.1.3. And Part 7, Section 2.2 is not revised, but revised Part 7, Section 3.0.	STP - Rev 6 revision				confirmatory

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
92	8	8.4-1	3632 08.04-3	Severe weather	STP - FSAR revision				confirmatory
93	8	8.4-2	4602 08.04-4	SBO timing	Closed				closed
94	8	Conf Item	2389, 08.03.01-11	FSAR Subsection 9.5.13.8 is not revised to delete item (3).)	STP - Rev 6 revision				confirmatory
95	8	STD DEP T1 12.15-2	Chapters 8 and 9 OI 08.03.01-1 09.04.05-1	RBSRDG HVAC, See OIs 08.03.01-1 and 09.04.05-1	Closed				closed
96	9	9.1.1-3	4173 - 09.01.01-3	Criticality analysis will be updated to discuss GE7 fuel	NRC - Review 1/25 response	2/25/2011	2/25/2011	2/25/2011	open
97	9	9.1.1-4	4561, 09.01.01-4	Basis for WCAP 17311 and 17331: Fuel rack structural analysis	NRC - Review updated WCAPS in 12/9/10, NRC audit in March 2011 unlikely	1/31/2011	2/28/2011	3/1/2011	open
98	9	9.2.2-6	3882 09.02.02-6	Adjust refrigerator capacity to chilled water outlet temperature.	STP - FSAR revision				confirmatory
99	9	Conf Item 9.3.8-1	103, 09.03.03-1 & -2	STP revised Figure 9.3-11 in Revision 4 with no justifications. NRC reviewer is satisfied with response	Closed				closed
100	9	9.4.5-1	4544 09.04.05-1	RB HVAC	Closed				closed
101	9	9.5.1-11	4704 09.05.01-11	Change process LC	STP - FSAR revision				confirmatory
102	10	10.2-3	3008, 10.02-1 4103, 10.02-3 4860, 10.02-5	Normal speed control mode	STP - FSAR revision				confirmatory
103	10	10.2-4	3008, 10.02-2 4103, 10.02-4 4860, 10.02-6, 7, 8	Turbine Trip Set-Points	STP - FSAR revision				confirmatory
104	10	10.4.3-4	4102 10.04.03-4 (1)	Loop Seal	Closed				closed
105	10	10.4.3-5	4102 10.04.03-4 (2)	Pressure Switch	Closed				closed
106	10	10.4.3-6	4102 10.04.03-4 (6)	Check Valve Deletion	Closed				closed

STP Phase 4 Open Items

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107	10	10.4.7-3	4440 10.04.07-3	CFS update, STP to put in reading room 10/27/2010, Applicant to propose new Tier 1 exemption based on 10/5/10 telecon	Closed				closed
108	11	11.02-10	4448, 11.02-10	The applicant committed to change the reference in the third paragraph of this section to refer to Section 12.2.2.4. This change was not made as this paragraph still states 12.2.2.2.	STP - Rev 6 revision				confirmatory
109	11	11.02-4	2955 11.02-4	FSAR editorial errors regarding compiance with 40 CFR 190	STP - Rev 6 revision				confirmatory
110	11	11.02-7	3676 11.02-7	CST source term revisions to FSAR, - being tracked under 12.02-18	Closed				closed
111	11	11.02-8	3676 11.02-8	CST descriptions	STP - FSAR revision				confirmatory
112	11	11.02-9	3676 11.02-9	CST descriptions	Closed				closed
113	12	12.02-1	3018 12.02-7 12.02-15 12.02-16 12.02-19	Gaseous effluent data, input parameters, and resulting gaseous effluent dose info, closed pending finished SER	Closed				closed
114	12	Conf Item 12.01-2	3014 12.01-1	NEI Template 07-08A not referenced in COL revision	STP - Rev 6 revision				confirmatory
115	12	Conf Item 12.02-3	2553 12.02-3	Editorial errors to fix 10 CFR 20 isotope limits in table 12-2-20	STP - Rev 6 revision				confirmatory
116	12	12.02-18	4492, 12.02-18 5050, 12.02-21	CST radiation source	STP - FSAR revision				confirmatory
117	12	12.02-2	3795 12.02-12 12.02-17	40 CFR Part 190	STP - FSAR revision				confirmatory
118	12	12.02-3	3854 12.02-13	Rad source calibration	STP - FSAR revision				confirmatory
119	12	12.02-4	3984, 12.02-14, 5049, 12.02-20	Spent Fuel Storage, Chapter 9 related issue, revised calc in reading room	STP/NRC - Find path forward and STP to revise RAI and FSAR accordingly	3/4/2011			open
120	12	12.03-12.04-1	3857 12.03-12.04-12	CUW backwash	STP - FSAR revision				confirmatory

STP Phase 4 Open Items

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121	12	12.03-12.04-2	3982 12.03-12.04-13	ARM and airborne monitoring calibration methods	STP - Rev 6 revision				confirmatory
122	12	12.03-12.04-3	4286 12.03-12.04-15	Criticality monitoring compliance with 10 CFR 70.24 or exemption request.	STP - FSAR revision				confirmatory
123	12	12.03-12.04-4	3855 12.03-12.04-11	Operational programs and operating procedures to address 10 CFR 20.1406 and radwaste system piping locations.	STP - FSAR revision				confirmatory
124	12	12.03-12.04-5	3981 12.03-12.04-14	FSAR revisions requested for bases, models, assumptions and input data. Response received and pending staff review.	STP - Rev 6 revision				confirmatory
125	12	12.05-1	3856 12.05-5	High rad areas	STP - FSAR revision				confirmatory
126	12	12.05-2	4151 12.05-6	Air samplers	STP - FSAR revision				confirmatory
127	13	13.03-1	3427 13.03-73	Assess TSC radiological consequences	STP - FSAR revision				confirmatory
128	13	TBD	4535 Ltr. 398 Open - 0 Resolved - 9 Confirmatory - 24	Physical Security - PSP 33 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				closed
129	13	TBD	4451 Ltr. 400 Open - 0 Resolved - 17 Confirmatory - 1	Physical Security - Target Sets 18 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				closed
130	13	TBD	4589 Ltr. 402 Open - 0 Resolved - 2 Confirmatory - 9	Physical Security - ICE 11 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				closed
131	13	TBD	4593 Ltr. 402 Open -0 Resolved - 2 Confirmatory - 2	Physical Security - ICE 4 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				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
132	13	TBD	4604 Ltr. 404 Open - 0 Resolved - 4 Confirmatory - 6	SGI related - ICE 10 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				closed
133	13	TBD	4605 Ltr.403 Open - 0 Resolved - 3 Confirmatory - 7	SUNSI related - ICE 10 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				closed
134	13	TBD	3271 Ltr. 203	Fitness for Duty 2 questions	STP - FSAR revision				confirmatory
135	13	TBD	4905 Ltr.361 Open - 0 Resolved - 2 Confirmatory - 5	Physical Security - ICE 7 questions	NRC - reviewing revised RAI responses received on 12/9/2010.				closed
136	13	TBD	4530 Ltr. 399	Cyber Security 1 questions	STP - FSAR revision				confirmatory
137	13	TBD	4974, Ltr.362 Open - 0 Resolved - 13 Confirmatory - 4	17 RAIs on Physical Loss of Large Areas	STP - FSAR revision				confirmatory
138	14	14.02-14	4581 14.02-14	License info item 14.2 as License Condition	Closed				closed
139	14	14.02-6	2898, 14.02-6	SSC Pre-Op test abstracts. Link to RAI 5256 (OI 3.9.2-44)	STP - STP to submit CVAP reports (tied to Chapter 3) Updates pending 1/24- 1/26 audits. Tracked as open item in Chp 3 and closed for Chp 14				closed
140	14	14.02-8	3097 14.02-8	SSC start up test program. Link to RAI 5256 (OI 3.9.2-44)	STP - STP to submit CVAP reports (tied to Chapter 3) Updates pending 1/24- 1/26 audits. Tracked as open item in Chp 3 and closed for Chp 14				closed
141	14	14.3.2-8	4105 14.3.2-10	ITAAC for structural analysis for as built data	STP - FSAR revision				confirmatory
142	14	14.3.2-9	4105 14.3.2-9	Ext Diesel tanks and vault ITAAC	STP - FSAR revision				confirmatory

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Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
143	14	14.3-1	RAI 14.03-1	Tier 1 needs to reflect ITAAC changes, Tables 2.12.1(Item 11), 2.12.12(item 8), 2.12.14(Item 10), and 2.12.15(Item 9)	STP - Rev 6 revision				confirmatory
144	14	TBD	4861, 14.02-15	Intermediate stop and intercept valve test abstract update	Closed				confirmatory
145	14	TBD	4862 14.03.07-4	Update to Tier 1 Section 2.10 (power cycle systems) to make consistent with Tier 2 Section 10.2	Closed				confirmatory
146	15	15.6-1	3387 15.00.03-1	Control Room radiological analysis	Closed				closed
147	15	15.6-2	n/a	TSC Dose Calculation	Closed				closed
148	15	15.A-1	4300 15.08-3	Suppression pool temp change	Closed				closed
149	15	15.E -1	3919 15.08-2	ATWS mitigation logic	Closed				closed
150	16	16.1a	n/a	Instrument Set-point Methodology RAI 7.1-15, tied to supp RAI for 7.1-15	STP - FSAR revision				confirmatory
151	16	16.1b	n/a	RCS P-T Limits, RAI	Closed: See OI 5.3.2-1				closed
152	16	16-14	3046, 16-14	Change "DCD" references to "FSAR"	STP - Rev 6 revision				confirmatory
153	16	16-21.12	3120, 16-21.12	Bases for SR 3.3.7.1.1 needs to specify 12 hour frequency	STP - Rev 6 revision				confirmatory
154	16	16-21.22	3120, 16-21.22	% sign missing from methyl iodide penetration value in TS 5.5.7.2	STP - Rev 6 revision				confirmatory
155	16	16-21.4	3120, 16-21.4	STD DEP 16.3-104 needs to be listed in the beginning of Section	STP - Rev 6 revision				confirmatory
156	16	16-21.8	3120, 16-21.8	PTS SR 3.3.4.2.4 - should use term "SENSOR CHANNEL CHECK" instead of "CHANNEL CHECK"	STP - Rev 6 revision				confirmatory
157	16	16-3	3042, 16-3	Section 3.1 TS editorial changes	STP - Rev 6 revision				confirmatory
158	16	16-46	3191, 16-46	GTS LCO 3.8.1 - No new STD DEP identified	STP - Rev 6 revision				confirmatory
159	16	16-65	3973, 16-65	Division Functional Testing and add "rev 2" to WCAP-17119P reference	STP - Rev 6 revision				confirmatory
160	16	16-70	4826 16-70	Operation with one MSL isolated	STP - Rev 6 revision				confirmatory
161	17	17.04-10	3998, 17.04-3, 17.04-10	In response to RAI 17.04-3 (dated September 28, 2009), STP indicated that it would delete	STP - Rev 6 revision				confirmatory

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Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
162	17	17.04-11	3998 17.04-11	Deterministic criteria	STP - FSAR revision				confirmatory
163	17	17.04-2	3089, 17.04-2	Table 19K-1 needs revised text to replace "Multiplex Transmission Network" to "Essential Communication Function (ECF) CCF" and "Remote Multiplexing Units" to "Remote Digital Logic Controller CCF"	STP - Rev 6 revision				confirmatory
164	17	17.04-7	3089, 17.04-7	Late 2010 audit to confirm list of risk significant SSCs	STP - FSAR revision				confirmatory
165	17	17.04-8	3089, 17.04-8	RAP audit: The D-RAP program procedure provided at the Twinbrook office for the staff's review is based on an outdated version of FSAR Section 17.4. As such, the D-RAP program procedure is outdated.	NRC - Confirmatory item pending RAP audit, draft audit plan sent to STP 9/29/10. Complete materials available for NRC audit starting 2/17/11.				confirmatory
166	17	17.04-9	3998, 17.04-9	RAP audit: The STP expert panel is to perform system reviews to update the list of risk-significant SSCs. Based on the Expert Panel meeting minutes provided at the Twinbrook office, it appears that this activity has not yet begun. Based on the meeting minutes, the system reviews will begin in December 2010. Both ACRS and the NRC staff are interested in the results for a sample of the system reviews. We will not be able to close this confirmatory item until after reviewing these results. We will not be able to close this confirmatory item until after reviewing these results.	NRC - Confirmatory item pending RAP audit, draft audit plan sent to STP 9/29/10. Complete materials available for NRC audit starting 2/17/11.				confirmatory
167	17	17.5-9	4373 17.5-9	NEI 06-14 incorporation	STP - FSAR revision				confirmatory
168	19	19-1	19.01-13	Feedwater Line Break Mitigation	STP - FSAR revision				confirmatory

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
169	19	19-10	19.01-23	Fire Risk Evaluation in Turbine Building	STP - FSAR revision				confirmatory
170	19	19-11	19-16	Flushing of RPV Water Level Instrumentation Lines in Mode 4 & 5	STP - FSAR revision				confirmatory
171	19	19-12	19-30	MCR Breach Evaluation	STP - FSAR revision				confirmatory
172	19	19-13	19-1 19-2 19-28	MAAP and Fusible Plug	Closed				closed
173	19	19-14	19-24 19-33	Seismic Effect	Closed				closed
174	19	19-16	5167, 19-22	Housing of ACIWA Equipment	STP - FSAR revision				confirmatory
175	19	19-17	19-31	Demonstrate the Sequence and Plant-Level Seismic HCLPF Capacity	STP - FSAR revision				confirmatory
176	19	19-2	19.01-22	PRA Level 1 Results	STP - FSAR revision				confirmatory
177	19	19-3	19.01-29	Medium Voltage Electrical Design	STP - FSAR revision				confirmatory
178	19	19-4	19.01-22	Evaluation of Common Cause Failures	STP - FSAR revision				confirmatory
179	19	19-5	19-5	Steam Explosion Potential from Premature Opening of the Drywell Flooder	STP - FSAR revision				confirmatory
180	19	19-6	19-32	Capability of Containment Isolation Valves	STP - FSAR revision				confirmatory
181	19	19-7	19.01-25	Resolution of COL Information Items	Closed				closed
182	19	19-8	19-3	Impact of Hydrogen Combustion During Shutdown	STP - FSAR revision				confirmatory
183	19	19-9	19.01-31	Shared Fire Protection System	STP - FSAR revision				confirmatory
184	19	Conf Item	RAI 19-14	STP should correct an editorial error in Table 19.2-2 under STD DEP 12.3-4, “Alarm Capability for Area Radiation Monitors (ARMs),” in the column titled “US ABWR/STP Design Basis.” STP entered the statement: “The ARMs will have alarm capability andNo effect on the PRA, not modeled. five additional monitors are required in the Reactor Building.” The following misplaced text should be removed from that statement: “No effect on the PRA, not modeled.”	STP - Rev 6 revision				confirmatory

STP Section 3.7 RAI Status 2/24/2011

Original RAI	Date of initial RAI	Suppl RAIs	Status of Suppl RAI	Date of Response	Comment	Brief Description of the Issue	Action	Schedule
3.7.1-22	12/16/09 RAI 3915 (Q 15263)	Followup to 03.07.01-12 RAI 2924 Q11782)	U7-C-STP-NRC-100035	2/4/2010	Closed/Unresolved. Supplemental responses in 03.07.02-24 S2 contradicted this response.	Damping values used for site-specific seismic analysis including justification for using SSE damping values for ISRS generation	NINA	Discussed in 2/23/11 telecon. Supp. Response due 3/7/11.
3.7.1-25	6/22/10 RAI 4817 (Q18196)	Followup to 03.07.01-17 RAI 3915 Q15196)	U7-C-STP-NRC-100208, 100253	9/15/2010 11/30/10	Under SEB2 evaluation Supplemental responses, including more legible figures, will be provided w/ FSAR revision per 2/2/11 meeting.	Soil pressure. Poisson's ratio. Mansour is planning to perform a confirmatory analysis. Has requested STP to provide input deck.	NINA and NRC	NINA position paper rec'd 2/18. NRC requested input deck 2/23. Hold RAI till PS reviewed. Other suppl. responses due 3/17.
3.7.1-26	6/22/10 RAI 4817 (Q18197)	Followup to 03.07.01-18 RAI 3915 Q15204)	U7-C-STP-NRC-100208	9/15/2010	Under SEB2 evaluation. Supplemental responses will be provided per 2/2/11 mtg.	Soil pressure. RB/CB SSI model. Response is okay but STP will have supplemental information to complete response.	NINA	3/7/2011
3.7.1-27	6/22/10 RAI 4817 (Q18198)	Followup to 03.07.01-19 RAI 3915 Q15207)	U7-C-STP-NRC-100208, 100274	9/15/2010 12/21/10	Under SEB2 evaluation. Per 2/2/11 mtg, staff will re-assess and inform STP of decision. Some of the responses will be part of next audit.	UB in-situ soil case. Cracked concrete and empty vs full tank cases. DGFOT is recently submitted and is under review.	NINA and NRC	NINA position paper rec'd 2/22. NRC will review PS. Supp. responses due 3/7.
3.7.1-28	6/22/10 RAI 4817 (Q18199)	Followup to 03.07.01-20 RAI 3915 Q15261)	U7-C-STP-NRC-100208	9/15/2010	Under SEB2 evaluation. Supplemental response to Item 1d expected 1/17/2011. Supplemental responses with FSAR revision will be provided per 2/2/11 mtg.	Spring constant. Mat design. Response is okay but STP will have supplemental response to complete the review.	NINA	3/7/2011
3.7.2-22	RAI 4818 (Q18200)	Followup to 03.07.02-12 RAI 3284 Q13034)			Expect response 1/31/2011. LATE.		NINA	3/15/2011
3.7.2-24	RAI 4818 (Q18225)	Followup to 03.07.02-15 RAI 3942 Q15326)	U7-C-STP-NRC-100208, 100253, 100268	9/15/10, 11/30/10, 12/15/10	2/2/11 meeting. Supplemental response to S2 later. Item 1b is okay. Item 1a is under review. See also response to 03.08.04-30.	RSW tunnel 2D SSI model. Passing frequency of 35.9 Hz in Y-axis and 61.6 Hz in X-axis. Cracked concrete.	NINA	3/7/2011
3.7.2-25	RAI 4818 (Q18226)	Followup to 03.07.02-16 RAI 3942 Q15327)	U7-C-STP-NRC-100268	12/15/2010	Discussed in 2/2/11 meeting. STP will supplement response.	SAP2000. Validate shell elements.	NINA	3/15/2011

3.7.2-28	RAI 4818 (Q18230)	Followup to 03.07.02-21 RAI 4392 Q16760)			Expect response 1/31/2011. LATE.	Hydrodynamic mass.	NINA	3/15/2011
3.7.2-29	RAI 5226 (Q19474)			1/18/2011	Discussed in 2/2/11 mtg. Supplemental response pending.	V&V.	NINA	3/15/2011
3.7.2-31	RAI 5443 (Q19974)	Followup to 03.07.02-30 RAI 5318 Q19703)	Waiting for response		Issued to NINA 2/24/11 in Letter 374.	TB MSL FRS	NINA	TBD

STP Section 3.8 RAI Status 2/24/2011

Original RAI	Date of initial RAI	Suppl RAIs	Status of Suppl RAI	Date of Response	Comment	Brief Description of the Issue	Action	Schedule
3.8.1-9	7/9/10 RAI 4832 (Q18280)	Followup to 03.08.01-6 (RAI 4045 Q15688)	U7-C-STP-NRC-100208, 100253	9/15/10, 11/29/10	Discussed in 2/2/11 meeting. Will revise 3.4.3.1 (03.04.02-6); provide clarification for hydrodynamic load (38.8 ft).	Design flood load on watertight doors.	NINA	3/7/2011
3.8.4-17	12/9/09 RAI 4046	Followup to 03.08.04-1 (RAI 2964 Q11925)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Supplement to 03.08.04-1. Discussed in 2-2-11 mtg. Supp. response with clarification and FSAR markup pending. STP F/C 3/4/11 week.	Lateral soil pressure (audit item 3.8-9)	NINA	3/7/2011
3.8.4-18	12/9/09 RAI 4046	Followup to 03.08.04-2 (RAI 2964 Q11926)	U7-C-STP-NRC-100036 ML100550613, 100124, 100193, 100208	2/10/2010 6/2/2010 8/19/10 9/15/10	Supplement to 03.08.04-2 Discussed in 2/2/11 mtg. Supplemental response, incl revision to 3H.3.5.3. Staff to confirm no action needed to address tornado load. STP F/C 3/4/ week.	Radwaste bldg seismic load combination and flood and tornado design.	NINA	3/15/2011
3.8.4-28	7/9/10 RAI 4833	Followup to 03.08.04-19 (RAI 4046 Q15694)	U7-C-STP-NRC-100208	9/15/2010	Discussed in 2/2/11 mtg. Add words to 3.8.6.1. Check Table 2.5S-37B for consistency and submit supplemental response. STP F/C 3/4/week.	Foundation waterproofing.	NINA	3/7/2011
3.8.4-29	7/9/10 RAI 4833	Followup to 03.08.04-22 (RAI 4046 Q15699)	U7-C-STP-NRC-100208	9/15/2010	Discussed in 2-2-11 mtg. Will revise response on 3H.6.4.3.4. STP F/C 3/4 week.	Loading on site-specific Cat 1 structures.	NINA	3/7/2011
3.8.4-30	7/9/10 RAI 4833	Followup to 03.08.04-23 (RAI 4046 Q15700)	U7-C-STP-NRC-110008	1/17/11	Parts 1, 2a, 2b, & 3-7 expected 2/20/2011 or mabe mid-March. Part 8, 9, and 10 responses rec'd 1/17/2011. Samir will coordinate w/ Peter on responses rec'd.	Steel and concrete of SS structure design. Response refers to 03.07.01-13 for design summary info.	NINA	3/15/2011
3.8.4-31	7/9/10 RAI 4833	Followup to 03.08.04-25 (RAI 4046 Q15702)	U7-C-STP-NRC-100208 U7-C-NINA-NRC-110008	9/15/2010 1/31/11	FSAR 3H.6.8 in original response & T 3H.6-15 in supplement. Supplement 2 for Part 2 expected 1/17/2011. Discussed in 2/2/11 mtg. STP F/C 3/4 week.	SSI between DGFOT and Cat 1 structures. 2/2 mtg refers to 03.04.02-6 and future revision to Section 3.4.3.1.	NINA	3/7/2011
3.8.4.32	7/9/10 RAI 4833	Followup to 03.08.04-27 (RAI 4046 Q15774)	U7-C-STP-NRC-100208	9/15/2010	Discussed in 2/2/11 mtg. STP action 3/4/11 week.	COL Item 3.25 (SIT) info. Response completely supercedes 03.08.04-6 and -27. Supplemental response later.	NINA	3/7/2011

3.8.4.33	7/9/10 RAI 4833	New RAI	U7-C-STP-NRC-100208	9/15/2010	Discussed in 2/2/11 mtg. STP action.	Impact of use of later version of ACI 349 on existing design. OGC agreed with staff. NINA issued position paper 2/17. NRC will review PS and HOLD RAI (5542).	NINA/NRC	TBD
Q389		New RAI			Discussed in 2/2/11 mtg.	UHS concrete design. Averaging out of plane shears. NINA issued position paper 2/17. NRC will review PS and HOLD RAI (5542).	NINA/NRC	TBD
Q3810		New RAI			Discussed in 2/2/11 mtg. STP action.	UHS soil bearing pressure calc methodolody should be the same as for design of basemat & stability of structures. STP will consult MacTec. Issue RAI and have telecon prior to response.	NRC	2/24/2011
Q3811		New RAI			Discussed in 2/2/11 mtg.	UHS soil bearing pressure, wind & tornado loads. PM will coordinate with 2.5.4 lead. Hold RAI and use audit to document if necessary.	NRC	March audit
3.8.5-4	7/9/10 RAI 4834	Follow-up to 03.08.05-2 (4048 Q15704)	U7-C-STP-NRC-100208, 100248	9/15/10 11/17/10	Supp response provided FSAR markup to 3H.6.6.4, 3H.6.7, and 3H.6.9	COL License Information Item 3.24 - Foundation settlement.	NRC	6/6/2011
3.8.5-5	7/9/10 RAI 4834	Follow-up to 03.08.05-3 (4048 Q15717)	U7-C-STP-NRC-100208, 100248	9/15/10 11/17/10	Supp response provided FSAR markup to 3H.1.6 and 3H.2.6.	COL License Information Item 3.24 - Foundation settlement differential.	NRC	6/6/2011