PMSTPCOL PEmails

From: Eudy, Michael
Sent: Tuesday, February 22, 2011 3:21 PM
To: Chappell, Coley; Elton, Loree
Cc: Tai, Tom; Govan, Tekia; Wunder, George; Tonacci, Mark; STPCOL
Subject: 2/23/11 STP OI call
Attachments: OI list_2-23-11.pdf; STP 3 7 RAI Status.pdf; STP 3 8 RAI Status.pdf

Coley,

I have attached the revised Open Items list to be discussed during the call. In addition, I have also attached two supplemental spread sheets for section 3.7 and 3.8 Open Items.

Agenda:

1. Mike Eudy – Chapter 12 Spent Fuel Pool Open Item (tentative), 9-9:30
2. Mike Eudy - Open Items status, 9:30-10
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, 1-2pm.

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

Hearing Identifier: SouthTexas34Public_EX
Email Number: 2638

Mail Envelope Properties (9E28710E0B702149AEC6639728636440610872321C)

Subject: 2/23/11 STP OI call
Sent Date: 2/22/2011 3:21:09 PM
Received Date: 2/22/2011 3:21:11 PM
From: Eudy, Michael

Created By: Michael.Eudy@nrc.gov

Recipients:
"Tai, Tom" <Tom.Tai@nrc.gov>
Tracking Status: None
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Files	**Size**	**Date & Time**
MESSAGE	593	2/22/2011 3:21:11 PM
OI list_2-23-11.pdf	112380	
STP 3 7 RAI Status.pdf	69856	
STP 3 8 RAI Status.pdf	64927	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
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Expiration Date:
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2011 STP Item Status Counts

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

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	1-3	n/a	Plant aging management	Closed				closed
#####	1	1-4	n/a	Hydrodynamic loads, Alternate Vendor Issue	Closed				closed
#####	1	1-6	3944 01-15	Parts 30, 40 and 70	Closed				closed
#####	1	1-10	n/a	Construction Impact on Units 1 and 2	Closed				closed
#####	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
#####	2	2.4.12-1	4551, 02.04.12-39	Complete evaluation of post-construction conditions in the Groundwater Model.	Closed				closed
#####	2	2.4.12-1	4551, 02.04.12-42	Complete Groundwater Model evaluation and perform sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
#####	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
#####	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
#####	2	2.4.12-1	4551, 02.04.12-45	Supplemental response to address NRC Audit issues and perform sensitivity analysis and evaluation of the Groundwater Model.	Closed				closed
#####	2	2.4.12-1	4551, 02.04.12-47	Complete Groundwater Model sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
#####	2	2.4.12-1	4551, 02.04.12-40	Complete validation runs of the Groundwater Model results.	Closed				closed
#####	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
#####	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

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
#####	2	2.4.12-1	4551, 02.04.12-46	Complete Groundwater Model evaluation and perform sensitivity analysis. (Qualitative Response) (Final Response)	Closed				closed
#####	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
#####	2	2.4.5-1	4477, 5102, 02.04.05-10, 02.04.05-11	SLOSH Model	Closed				closed
#####	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
#####	2	TBD	4279, 02.05.02-28	FSAR discrepancy in section 2.5S2	Closed				closed
#####	4	4.03-1	4161 04.03-3	Inconsistencies with figures in COLA vs. DCD	Closed				closed
#####	4	4.03-2	4143 04.03-2	Figure 4.3-2 loading patterns, need for safety finding	Closed				closed
#####	4	4.06-1	3975 04.06-4	Provide Backfill RPV report	Closed				closed
#####	5	5.3.2-1	3744 05.03.02-2	Topical Report to support application plant-specific PTLR issues.	Closed				closed
#####	5	5.3.2-5	4559 05.03.02-5	PTLR revision	Closed				closed
#####	5	5.4.6-1	2777 05.04.06-2	Issues involving RCIC turbine-pump design.	Closed				closed
#####	5	5.4.6-3	4334 05.04-06-3	NPSH calculations	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
#####	5	5.4.7-1	2539 05.04.07-1	Wetwell Spray	Closed				closed
#####	5	5.4.7-8	none	SER ERROR	Closed				closed
#####	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
#####	6	6.2.1.1.C-17	4264 06.02.01.01.C-17	Vacuum breaker COL Item	Closed				closed
#####	6	6.2.2-26	4484 06.02.02-26	Latent Debris	Closed				closed
#####	6	6.4-2	4330 06.04-2 06.04-3	Maximum Puddle Area, Toxic Gas	Closed				closed
#####	6	STD DEP T2 9.4-1	Chapter 6 06.04-2	Toxic Gas ITAAC	See OI 06.04-2				closed
#####	7	7-5	3377 7-5	Data communication	Closed				closed
#####	7	7.6-2	4533 07.06-2	COL Item 7.2	Closed				closed
#####	7	7.6-3	4528 07.06-3	STD DEP T1 2.2-1 impact on 7.6	Closed				closed
#####	7	TBD	07.01-14	RG 1.152 Rev 2 Applicability	Closed				closed
#####	8	8.1-1	3848 08.01-2	EMI	Closed				closed
#####	8	8.2-2	3494 08.02-22	Transmission line failure	Closed				closed
#####	8	8.2-3	4017 08.02-23 08.02-24	Inaccessible cable testing program	Closed				closed
#####	8	8.2-4	3731 08.02-20	Communication	Closed				closed
#####	8	8.3.1-2	3619 08.03.01-13	Isolation devices	Closed				closed
#####	8	8.4-2	4602 08.04-4	SBO timing	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
#####	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
#####	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
#####	9	9.4.5-1	4544 09.04.05-1	RB HVAC	Closed				closed
#####	10	10.4.3-4	4102 10.04.03-4 (1)	Loop Seal	Closed				closed
#####	10	10.4.3-5	4102 10.04.03-4 (2)	Pressure Switch	Closed				closed
#####	10	10.4.3-6	4102 10.04.03-4 (6)	Check Valve Deletion	Closed				closed
#####	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
#####	11	11.02-7	3676 11.02-7	CST source term revisions to FSAR, - being tracked under 12.02-18	Closed				closed
#####	11	11.02-9	3676 11.02-9	CST descriptions	Closed				closed
#####	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
#####	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
#####	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
#####	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

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
#####	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
#####	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
#####	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
#####	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
#####	14	14.02-14	4581 14.02-14	License info item 14.2 as License Condition	Closed				closed
#####	15	15.6-1	3387 15.00.03-1	Control Room radiological analysis	Closed				closed
#####	15	15.6-2	n/a	TSC Dose Calculation	Closed				closed
#####	15	15.A-1	4300 15.08-3	Suppression pool temp change	Closed				closed
#####	15	15.E -1	3919 15.08-2	ATWS mitigation logic	Closed				closed
#####	16	16.1b	n/a	RCS P-T Limits, RAI	Closed: See OI 5.3.2-1				closed
#####	19	19-13	19-1 19-2 19-28	MAAP and Fusible Plug	Closed				closed
#####	19	19-14	19-24 19-33	Seismic Effect	Closed				closed
#####	19	19-7	19.01-25	Resolution of COL Information Items	Closed				closed
#####	1	1-2	01-17	FSAR editorial errors	STP - FSAR revision				confirmatory
#####	1	1-7	n/a 01-18	AIA - Compliance with 10CFR50.150	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
#####	1	1-8	3174 01-14	OQPD RGs - TIED TO RAI 17.5-9	STP - FSAR revision				confirmatory
#####	1	1-9	n/a	Tier 2 Deps Not in table 1.9S-3	STP - FSAR revision				confirmatory
#####	1	tbd	5303, 01-19	AIA revision references	STP - FSAR revision				confirmatory
#####	3	3.02.02-6	2920 03.02.02-6 03.02.02-7 03.02.02-9 03.02.02-10	Request new site specific ITAAC to verify QG and ASME code class and seismic classification	STP - FSAR revision				confirmatory
#####	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
#####	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
#####	3	3.04.02-11	4993 03.04.02-1 (3322) 03.04.02-9 (4091)	Hydrodynamic loads - Flood Protection	STP - FSAR revision				confirmatory
#####	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
#####	3	3.04.02-7	4058 03.04.02-3 (3322) 03.04.02-7 (4058)	Below grade tunnels	STP - FSAR revision				confirmatory
#####	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
#####	3	3.11-7	4668 3.11-7	Address U3&4 EQP instead of referencing U1&2	STP - FSAR revision				confirmatory
#####	4	4.04-1	4133, 04.04-3, 5047, 04.04-4	Fuel testing & acceptance criteria	STP - FSAR revision				confirmatory
#####	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
#####	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
#####	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
#####	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
#####	5	5.4-2	3527 05.04-2	Applicant to provide contingency plan for RIP maintenance.	STP - FSAR revision				confirmatory
#####	6	6.2.1.1.C-14	4264 06.02.01.01.C-14	Mass and Energy confirmation	STP - FSAR revision				confirmatory
#####	6	6.2.1.1.C-15	4264 06.02.01.01.C-15	FSAR Update	STP - FSAR revision				confirmatory
#####	6	6.2.1.1.C-16	4264 06.02.01.01.C-16	FSAR Update	STP - FSAR revision				confirmatory
#####	6	6.2.1.1.C-18	4264 06.02.01.01.C-18	FSAR Update	STP - FSAR revision				confirmatory
#####	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
#####	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
#####	7	7.1-15	4241 07.01-15 07.01-16	Setpoint Methodology	STP - FSAR revision				confirmatory
#####	8	8.2-1	3731 08.02-21	Switchyard battery	STP - FSAR revision				confirmatory
#####	8	8.3.1-1	3619 08.03.01-14	Diesel temp	STP - FSAR revision				confirmatory
#####	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
#####	8	8.4-1	3632 08.04-3	Severe weather	STP - FSAR revision				confirmatory
#####	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
#####	9	9.2.2-6	3882 09.02.02-6	Adjust refrigerator capacity to chilled water outlet temperature.	STP - FSAR revision				confirmatory

STP Phase 4 Open Items

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#####	9	9.5.1-11	4704 09.05.01-11	Change process LC	STP - FSAR revision				confirmatory
#####	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
#####	11	11.02-4	2955 11.02-4	FSAR editorial errors regarding compiance with 40 CFR 190	STP - Rev 6 revision				confirmatory
#####	11	11.02-8	3676 11.02-8	CST descriptions	STP - FSAR revision				confirmatory
#####	12	Conf Item 12.01-2	3014 12.01-1	NEI Template 07-08A not referenced in COL revision	STP - Rev 6 revision				confirmatory
#####	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
#####	12	12.02-18	4492, 12.02-18 5050, 12.02-21	CST radiation source	STP - FSAR revision				confirmatory
#####	12	12.02-2	3795 12.02-12 12.02-17	40 CFR Part 190	STP - FSAR revision				confirmatory
#####	12	12.02-3	3854 12.02-13	Rad source calibration	STP - FSAR revision				confirmatory
#####	12	12.03-12.04-1	3857 12.03-12.04-12	CUW backwash	STP - FSAR revision				confirmatory
#####	12	12.03-12.04-2	3982 12.03-12.04-13	ARM and airborne monitoring calibration methods	STP - Rev 6 revision				confirmatory
#####	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
#####	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

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
#####	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
#####	12	12.05-1	3856 12.05-5	High rad areas	STP - FSAR revision				confirmatory
#####	12	12.05-2	4151 12.05-6	Air samplers	STP - FSAR revision				confirmatory
#####	13	13.03-1	3427 13.03-73	Assess TSC radiological consequences	STP - FSAR revision				confirmatory
#####	13	TBD	3271 Ltr. 203	Fitness for Duty 2 questions	STP - FSAR revision				confirmatory
#####	13	TBD	4530 Ltr. 399	Cyber Security 1 questions	STP - FSAR revision				confirmatory
#####	13	TBD	4974, Ltr.362 Open -17	17 RAIs on Physical Loss of Large Areas	STP - FSAR revision				confirmatory
#####	14	14.3.2-8	4105 14.3.2-10	ITAAC for structural analysis for as built data	STP - FSAR revision				confirmatory
#####	14	14.3.2-9	4105 14.3.2-9	Ext Diesel tanks and vault ITAAC	STP - FSAR revision				confirmatory
#####	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
#####	14	TBD	4861, 14.02-15	Intermediate stop and intercept valve test abstract update	Closed				confirmatory
#####	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
#####	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
#####	16	16-14	3046, 16-14	Change "DCD" references to "FSAR"	STP - Rev 6 revision				confirmatory
#####	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
#####	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

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
#####	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
#####	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
#####	16	16-3	3042, 16-3	Section 3.1 TS editorial changes	STP - Rev 6 revision				confirmatory
#####	16	16-46	3191, 16-46	GTS LCO 3.8.1 - No new STD DEP identified	STP - Rev 6 revision				confirmatory
#####	16	16-65	3973, 16-65	Division Functional Testing and add "rev 2" to WCAP-17119P reference	STP - Rev 6 revision				confirmatory
#####	16	16-70	4826 16-70	Operation with one MSL isolated	STP - Rev 6 revision				confirmatory
#####	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 from Section 19K.7 of the STP FSAR the text “circuit breakers that will trip CWS pumps.” However, based on Revision 4 of the FSAR, this text was not deleted.	STP - Rev 6 revision				confirmatory
#####	17	17.04-11	3998 17.04-11	Deterministic criteria	STP - FSAR revision				confirmatory
#####	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

STP Phase 4 Open Items

Item #	Chp	OI #	RAI #	Description	Next Action	Next Action Completion Date	OI Closure Date	SER Completion Date	OI Status
#####	17	17.04-7	3089, 17.04-7	Late 2010 audit to confirm list of risk significant SSCs	STP - FSAR revision				confirmatory
#####	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 audit materials available for review on 2/17/11.				confirmatory
#####	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	NRC - Confirmatory item pending RAP audit, draft audit plan sent to STP 9/29/10. Complete audit materials now available for				confirmatory
#####	17	17.5-9	4373 17.5-9	NEI 06-14 incorporation	STP - FSAR revision				confirmatory
#####	19	19-1	19.01-13	Feedwater Line Break Mitigation	STP - FSAR revision				confirmatory
#####	19	19-10	19.01-23	Fire Risk Evaluation in Turbine Building	STP - FSAR revision				confirmatory
#####	19	19-11	19-16	Flushing of RPV Water Level Instrumentation Lines in Mode 4 & 5	STP - FSAR revision				confirmatory
#####	19	19-12	19-30	MCR Breach Evaluation	STP - FSAR revision				confirmatory
#####	19	19-17	19-31	Demonstrate the Sequence and Plant-Level Seismic HCLPF Capacity	STP - FSAR revision				confirmatory
#####	19	19-2	19.01-22	PRA Level 1 Results	STP - FSAR revision				confirmatory
#####	19	19-3	19.01-29	Medium Voltage Electrical Design	STP - FSAR revision				confirmatory
#####	19	19-4	19.01-22	Evaluation of Common Cause Failures	STP - FSAR revision				confirmatory
#####	19	19-5	19-5	Steam Explosion Potential from Premature Opening of the Drywell Flooder	STP - FSAR revision				confirmatory
#####	19	19-6	19-32	Capability of Containment Isolation Valves	STP - FSAR revision				confirmatory
#####	19	19-8	19-3	Impact of Hydrogen Combustion During Shutdown	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
#####	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
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	1-5	n/a	Financial Qualifications	NRC - Ongoing Review of Rev 5				open
3	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
4	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	3/10/2011	3/10/2011	3/10/2011	open
5	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
6	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
7	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
8	3	3.7 and 3.8	3.7 and 3.8 RAIS	The open items and RAIs associated with sections 3.7 and 3.8 are being tracked in separate spreadsheets	Section 3.7 has 23 open items Section 3.8 has 13 open items				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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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
19	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 needs to docket the EER and EQP.	2/24/2011	3/24/2011	3/24/2011	open
20	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
21	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 to schedule audit in March 2011	1/31/2011	2/28/2011	3/1/2011	open
22	10	10.2-3	3008, 10.02-1 4103, 10.02-3 4860, 10.02-5	Normal speed control mode	STP - STP to submit updates based on 2/2/11 meeting, need to meet 4/6/11 ACRS schedule	2/16/2011	3/2/2011	3/2/2011	open
23	10	10.2-4	3008, 10.02-2 4103, 10.02-4 4860, 10.02-6, 7, 8	Turbine Trip Set-Points	STP - STP to submit updates based on 2/2/11 meeting, need to meet 4/6/11 ACRS schedule	2/16/2011	3/2/2011	3/2/2011	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
24	12	12.02-4	3984, 12.02-14, 5049, 12.02-20	Spent Fuel Storage, Chapter 9 related issue, revised calc in reading room	NRC - To propose path forward and STP to revise RAI and FSAR accordingly	2/16/2011			open
25	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	2/28/2011			open
26	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	2/28/2011			open
27	19	19-16	5167, 19-22	Housing of ACIWA Equipment	STP - Tied to closure of 19-9				open
28	19	19-9	19.01-31	Shared Fire Protection System	STP - Provide revisions based on 2/8/11 meeting, also tied with revisions to RAI 19.03-15	?			open
29	1	tbd	5419, 01-20	AIA and departures	STP - submit RAI response	2/25/2011			

STP Section 3.7 RAI Status 2/15/2011

Original RAI	Date of initial RAI	Suppl RAIs	Status of Suppl RAI	Date of Response	Comment	Brief Description of the Issue	Action	Schedule
3.7.1-1	7/21/2009 RAI 2924	No	Resolved	8/20/2009	Closed/Resolved	Justification for not listing STP DEP T1 5.0-1 under FSAR 3.7		
3.7.1-2	7/21/2009 RAI 2924	Yes	See RAI 3915 (03.07.01-15) issued 12/16/09.	8/20/2009	"Input Spectra" for damping ratios other than 5% not provided. Time histories do not attenuate to low residual values at the end of duration. See also responses to 03.07.01-13. Proposed FSAR Change in S0 is in R3 of COLA and S1 also involve FSAR changes. Additional information (S2) provided on 9/22/09, and S3 on 5/13/10	Establishing site-specific SSE design spectra and time history for seismic reconciliation and analysis of site-specific structures		
3.7.1-3	7/21/2009 RAI 2924	Yes	See RAI 3915 (03.07.01-16) issued 12/16/09.	9/15/2009	Requires further clarifications on developing FIRS Proposed FSAR Change.	Details of Development of FIRS and demonstration of meeting 10CFR50 Appendix S		
3.7.1-4	7/21/2009 RAI 2924	Yes	See RAI 3915 (03.07.01-17) issued 12/16/09.	9/3/2009	Further clarification is needed on how backfill was modelled. See also responses to 03.07.01-2 and 03.07.01-2 S1.	Details of Confirmatory seismic analysis including seismic model and results		
3.7.1-5	7/21/2009 RAI 2924	Yes	See RAI 3915 (03.07.01-18) issued 12/16/09.	8/20/2009	Effect of potential increase in seismic soil pressure between RB and CB due to SSSI See also response to 03.07.01-3 and 03.07.01-7.	Consideration of Structure to Structure Interaction in the confirmatory SSI analysis		
3.7.1-6	7/21/2009 RAI 2924	Yes	See RAI 3915 (03.07.01-19) issued 12/16/09.	9/15/2009	Further information is needed on Category I DGFOSV and subgrade analysis parameters and program P-SHAKE. Proposed FSAR Change.	Supporting media for each Category I Structures		
3.7.1-7	7/21/2009 RAI 2924	Yes	See RAI 3915 (03.07.01-20) issued 12/16/09.	9/15/2009	Justification of using high poisson ratio to calculate spring constant. Also the issue needs to be addressed for CB Proposed FSAR Change.	Effect of site-specific shear wave velocity on settlement calc and mat design		
3.7.1-8	7/21/2009 RAI 2924	No	Resolved	8/20/2009	Proposed FSAR Change in R3 of COL. Closed.	Computer programs used for Category I structures		
3.7.1-9	7/21/2009 RAI 2924	No	Resolved	8/20/2009	Refes to 03.07.01-8 and FSAR change already in R3. Closed.	Verification of NASTRAN Program		

3.7.1-10	7/21/2009 RAI 2924 (Q11780)	Yes	Refer to Follow-up RAI 3.7.1-2 & 3	9/15/2009	Refer to Follow-up RAI to 3.7.1-2 & 3. Proposed FSAR changes in -02 and -03.Confirmatory.	Establishing site-specific SSE design spectra and time history for seismic analysis of site-specific structures		
3.7.1-11	7/21/2009 RAI 2924 (Q11781)	Yes	See RAI 3915 (03.07.01-21) issued 12/16/09.	9/3/2009	Not all the information per acceptance criteria of SRP 3.7.1.II.1B was provided. Proposed FSAR Change. Confirmatory.	Establish site-specific design time history per guidance of SRP Acceptance Criteria 3.7.1.II. 1 B		
3.7.1-12	7/21/2009 RAI 2924 (Q11782)	Yes	See RAI 3915 (03.07.01-22) issued 12/16/09.	8/20/2009	Insufficient justification for using SSE damping values for ISRS generation See also responses to 03.07.01-13 and 03.07.01-13 S1. Confirmatory.			
3.7.1-13	7/21/2009 RAI 2924 (Q11783)	Yes	See RAI 3915 (03.07.01-23) issued 12/16/09.	8/20/2009	Additional information is needed to complete review STP is planning to issue supplemental response on 12/31. Proposed FSAR Change in S0 were in R3 of the COL. S1, and S2 responses also involve FSAR changes. Confirmatory.	Information on soil condition, backfill material, foundation dimension, ground water, soil properties per SRP Acceptance Criteria 3.7.1.II.3 for the site-specific Category I structures		
3.7.1-14	7/28/2009 RAI 3283 (Q13029)	Yes	See RAI 3915 (03.07.01-24) issued 12/16/09.	8/26/2009	See also responses to 03.07.01-2 S0 and S1. Potential effect on soil pressure and seismic input to adjacent structures Proposed FSAR Change.	Effect of 90 ft concrete retaining wall to be left in place (in close proximity of RB) on SSI analysis		
3.7.1-15	12/16/09 RAI 3915 (Q15158)	Followup to 03.07.01-2 RAI 2924 Q11770)	U7-C-STP-NRC-100035	2/4/2010	Closed/Unresolved. Supplemental responses in other RAI.		NRC	Early Fin. 7/5/11
3.7.1-16	12/16/09 RAI 3915 (Q15167)	Followup to 03.07.01-3 RAI 2924 Q11771)	U7-C-STP-NRC-100035	2/4/2010	Closed/Unresolved. Supplemental responses in other RAI.		NRC	Early Fin. 7/5/11
3.7.1-17	12/16/09 RAI 3915 (Q15196)	Followup to 03.07.01-4 RAI 2924 Q11772)	U7-C-STP-NRC-100035	2/4/2010	Supplemented by 03.07.01-25 (RAI 4817, Q18196)			
3.7.1-18	12/16/09 RAI 3915 (Q15204)	Followup to 03.07.01-5 RAI 2924 Q11774)	U7-C-STP-NRC-100035, 100093	2/4/2010 4/30/10	Supplemented by 03.07.01-26 (RAI 4817, Q18197)			
3.7.1-19	12/16/09 RAI 3915 (Q15207)	Followup to 03.07.01-6 RAI 2924 Q11775)	U7-C-STP-NRC-100035, 100093	2/4/2010 4/30/10 6/7/2010	Supplemented by 03.07.01-27 (RAI 4817, Q18198)			

3.7.1-20	12/16/09 RAI 3915 (Q 15261)	Followup to 03.07.01-7 RAI 2924 Q11776)	U7-C-STP-NRC-100036	2/10/2010	Supplemented by 03.07.01-28 (RAI 4817, Q18199)			
3.7.1-21	12/16/09 RAI 3915 (Q 15262)	Followup to 03.07.01-11 RAI 2924 Q11781)	U7-C-STP-NRC-100035	2/4/2010	Closed/Unresolved. Supplemental responses in other RAI.		NRC	Early Fin. 7/5/11
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 other RAI.	Damping values used for site-specific seismic analysis including justification for using SSE damping values for ISRS generation	STP	2/23 discussion
3.7.1-23	12/16/09 RAI 3915 (Q 15264)	Followup to 03.07.01-13 RAI 2924 Q11783)	U7-C-STP-NRC-100035	2/4/2010	Closed/Unresolved. Supplemental responses in other RAI.		NRC	Early Fin. 7/5/11
3.7.1-24	12/16/09 RAI 3915 (Q15265)	Followup to 03.07.01-14 RAI 3283 Q13029)	U7-C-STP-NRC-100036, 100083, 100161	2/10/2010 4/15/2010 7/21/2010	Closed/Unresolved. Supplemental responses in other RAI.		NRC	Early Fin. 7/5/11
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.	STP and NRC	Position paper from STP 2/18. NRC request for input deck 2/23. Provide assessment 4 weeks after receipt of input deck.
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.	STP	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.	STP	2/18/2011
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.	STP	3/7/2011

3.7.2-1	7/21/2009 RAI 2926 (Q11785)	Yes	See RAI 3942 (03.07.02-13) issued 12/16/09	9/15/2009	Incomplete response. Further information is required on stability analysis of non-seismic Category I structures with potential of interaction. Proposed FSAR Change.	Identification and design criteria of non-seismic Category I structures having the potential to interact with Category I structures.		
3.7.2-2	7/21/2009 RAI 2926 (Q11787)	Yes	See RAI 3942 (03.07.02-14) issued 12/16/09	9/3/2009	Incomplete response. Further information is required on seismic analysis methods of site-specific Category I structures. See also responses to 03.07.01-11, 03.07.01-13, and 03.07.01-13 S1.	Requested to provide seismic analysis method for site-specific Category I structures per SRP 3.7.2.II.1		
3.7.2-3	7/21/2009 RAI 2926 (Q11789)	Yes	See RAI 3942 (03.07.02-15) issued 12/16/09	9/3/2009	Response is incomplete. Further information is required on seismic analysis results for site-specific Category I structures. See also response to 03.07.01-13 S1.	Requested to provide seismic analysis performed for site-specific Category I structures per SRP 3.7.2.II.2		
3.7.2-4	7/21/2009 RAI 2926 (Q11791)	Yes	See RAI 3942 (03.07.02-16) issued 12/16/09	9/15/2009	Further information is required on analytical modeling of site-specific Category I structures See also responses to 03.07.01-3, 03.07.01-13 S1, and 03.07.02-8.	Requested to provide analytical modeling per guidelines of SRP Acceptance Criteria 3.7.2.II.3 corresponding to the actual seismic analysis performed for site-specific Category I structures		
3.7.2-5	7/21/2009 RAI 2926 (Q11792)	Yes	See RAI 3942 (03.07.02-17) issued 12/16/09	9/15/2009	Response is incomplete. Further information is required on SSI analysis results for site-specific Category I structures. See also responses to 03.07.01-3 and 03.07.01-13 S1.	Requested to provide in the FSAR soil-structure interaction analysis performed for the site-specific structures guidelines of SRP Acceptance Criteria 3.7.2.II.4		
3.7.2-6	7/21/2009 RAI 2926	No	Resolved	8/20/2009	Refers to 03.07.01-13 and FSAR Change in R3. See also 03.07.01-13 S1.	Procedure used to develop ISRS		
3.7.2-7	7/21/2009 RAI 2926	No	Resolved	8/20/2009	Refers to 03.07.01-13 and FSAR Change in R3.	Procedure used for combining the responses due to three components of earthquake motion for the site-specific Category I structures.		

3.7.2-8	7/21/2009 RAI 2926 (Q11795)	No	Resolved / Confirmatory	8/20/2009	Refers to 03.07.01-13 and 3H.6.5.2.4 not in R3. See also 03.07.01-13 S1.	Procedure used and the amount of peak broadening in accounting the effects of expected variations of structural properties (including effect of potential concrete cracking on structural stiffness), damping values, soil properties, and SSI effects for site-specific Category I structures		
3.7.2-9	7/21/2009 RAI 2926 (Q11797)	No	Resolved / Confirmatory	9/3/2009	Refers to 03.07.01-11 and 3H.6.5.2.11 not in R3.	Clarification of the procedure used to account for torsional-effects (including how accidental torsional moment at a particular location is calculated) in the seismic analysis of site-specific Category I structures		
3.7.2-10	7/21/2009 RAI 2926 (Q11798)	Yes	See RAI 3942 (03.07.02-18) issued 12/16/09	9/15/2009	Further information is required on stability analysis of site-specific Category I structures See also responses to 03.07.01-3 and 03.07.01-13 S2 (F/C 12/31)	Clarification of the procedure used in determining seismic overturning moments and sliding forces for site-specific Category I structures in accordance with the guidelines of SRP Acceptance Criteria 3.7.2.II.14.		
3.7.2-11	7/29/2009 RAI 3284	Yes	See RAI 3942 (03.07.02-19) issued 12/16/09	9/9/2009	Incomplete response. Include the method proposed in the response for establishing the design response spectra for RWB together with the design spectra input for RWB in the FSAR.	Because of the proximity of Reactor Building (RB) to the RWB, the seismic demand/response of RWB may be affected due to structure-to-structure interaction effect.		
3.7.2-12	7/29/2009 RAI 3284	Yes	See RAI 4818 (03.07.02-22) issued 6/20/10	9/9/2009	Response will be provided in a supplemental response to RAI 03.07.01-13 on 12/31/2009	Provide the dynamic lateral soil pressures on the exterior walls below grade calculated from the SSI analysis using SASSI for comparison with those of ASCE 4 to ensure that the inertial interaction effect of the structure on the exterior walls is adequately accounted for in the wall design.		

3.7.2-13	12/16/09 RAI 3942 (Q15324)	Followup to 03.07.02-1 RAI 2926 Q11785)	U7-C-STP-NRC-100036, 100093 ML100550613	2/10/2010 4/30/2010	Response appears okay and no major issue.	Describe in detail the criteria for determining if the failure of non-safety related SSCs will impact the ability of the safety-related SSC to perform its safety function. Also describe the analysis criteria to be used for demonstrating structural integrity of non-seismic Category I SSCs	NRC	Early Fin. 7/5/11
3.7.2-14	12/16/09 RAI 3942 (Q15325)	Followup to 03.07.02-2 RAI 2926 Q11787)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Supplemented by 03.07.02-23 (RAI 4818 Q18201)			
3.7.2-15	12/16/09 RAI 3942 (Q15326)	Followup to 03.07.02-3 RAI 2926 Q11789)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Supplemented by 03.07.02-24 (RAI 4818 Q18225)			
3.7.2-16	12/16/09 RAI 3942 (Q15327)	Followup to 03.07.02-4 RAI 2926 Q11791)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Supplemented by 03.07.02-25 (RAI 4818 Q18226)			
3.7.2-17	12/16/09 RAI 3942 (Q15328)	Followup to 03.07.02-5 RAI 2926 Q11792)	U7-C-STP-NRC-100035	2/4/2010	Supplemented by 03.07.02-26 (RAI 4818 Q18227)			
3.7.2-18	12/16/09 RAI 3942 (Q15330)	Followup to 03.07.02-10 RAI 2926 Q11798)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Closed/Unresolved. Supplemental responses in other RAI.		NRC	Early Fin. 7/5/11
3.7.2-19	12/16/09 RAI 3942 (Q15331)	Followup to 03.07.02-11 RAI 2926 Q13031)	U7-C-STP-NRC-100035, 100093	2/4/2010 4/10/2010	Supplemented by 03.07.02-27 (RAI 4818 Q18228)			
3.7.2-20	12/16/09 RAI 3942 (Q15716)	New question. No predecessor.	U7-C-STP-NRC-100035	2/4/2010	Response appears okay and no major issue.		NRC	Early Fin. 7/5/11
3.7.2-21	RAI 4392 (Q16760)	New question. No predecessor.	U7-C-STP-NRC-100069	3/25/2010	Supplemented by 03.07.02-28 (RAI 4818 Q18230)			
3.7.2-22	RAI 4818 (Q18200)	Followup to 03.07.02-12 RAI 3284 Q13034)			Expect response 1/31/2011. LATE.		STP	3/15/2011
3.7.2-23	RAI 4818 (Q18201)	Followup to 03.07.02-14 RAI 3942 Q15325)	U7-C-STP-NRC-100208	9/15/2010	Response appears okay and no major issue.		NRC	Early Fin. 7/5/11
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.	STP	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.	STP	3/15/2011
3.7.2-26	RAI 4818 (Q18227)	Followup to 03.07.02-17 RAI 3942 Q15328)	U7-C-STP-NRC-100268	12/15/2010	Under review. No major issues.		NRC	Early Fin. 7/5/11
3.7.2-27	RAI 4818 (Q18228)	Followup to 03.07.02-19 RAI 3942 Q15330)	U7-C-STP-NRC-100268	12/15/2010	Under review. No major issues.	RWB wall pressure.	NRC	Early Fin. 7/5/11
3.7.2-28	RAI 4818 (Q18230)	Followup to 03.07.02-21 RAI 4392 Q16760)			Expect response 1/31/2011. LATE.	Hydrodynamic mass.	STP	3/15/2011
3.7.2-29	RAI 5226 (Q19474)			1/18/2011	Discussed in 2/2/11 mtg. Supplemental response pending.	V&V.	STP	3/15/2011
3.7.2-30	RAI 5318 (Q19703)			1/18/2011	Issued to STP 1/5/2011. Will issue follow-up RAI.	TB MSL FRS	NRC	2/23/2011
3.7.3-1	RAI 2928 (Q11799)	Link to 03.07.03-3 RAI 3943 (15332)	Supplemental RAI 3943 (03.07.03-3) has been issued	9/15/2009	provide the results of the SSI analysis as described in the response together with the seismic input motion for the Control Building Annex in the FSAR. Proposed FSAR Change.	Consider effects of structure-to-structure interaction in establishing the acceleration level at the foundation of the CBA during an SSE event		
3.7.3-2	RAI 2928 (Q11801)	No	Resolved / Confirmatory	9/3/2009	Refere to 03.07.01-11 and 3H.6.5.2.16 not in R3.	Site-specific seismic sub-system analysis procedure.		
3.7.3-3	RAI 3943 (Q15332)	Followup to 03.07.03-1 (RAI 2928 Q11799)	U7-C-STP-NRC-090025, 100093	12/16/2009 4/30/2010	Under review. No major issues.	Include results of the SSI analysis together with the seismic input motion for the Control Building Annex in the FSAR.	NRC	Early Fin. 7/5/11

STP Section 3.8 RAI Status 2/18/2011

Original RAI	Date of initial RAI	Suppl RAIs	Status of Suppl RAI	Date of Response	Comment	Brief Description of the Issue	Action	Schedule
3.8.1-1	7/21/2009 RAI 2962 (Q11920)	No	N/A	9/15/2009 10/28/2009	Initial partial response reviewed. Proposed FSAR changes confirmed in R4. Status C/R per Samir 2/14/11.	Use of new version of IBC code. Compare 1991 UBC and 2006 IBC requirements in S1.		
3.8.1-2	7/21/2009 RAI 2962 (Q11921)	No	Resolved	8/20/2009		Error in identifying STD DEP 1.8-1		
3.8.1-3	7/21/2009 RAI 2962 (Q11922)	Yes RAI 4045 Q 15688	Supp. RAI 4045 (03.08.01-6) sent 12/8	9/15/2009	Proposed FSAR Changes.	Design information for water-tight doors.		
3.8.1-4	7/21/2009 RAI 2962 (Q11923)	Yes RAI 4045 Q 15689	Supp. RAI 4045 (03.08.01-7) sent 12/8	9/15/2009	Proposed FSAR Changes.	Evaluation of standard plant structures for site-specific flood load.		
3.8.1-5	7/21/2009 RAI 2962 (Q11924)	Yes RAI 4045 Q 15690	Supp. RAI 4045 (03.08.01-8) sent 12/8	9/15/2009		Impact of increased Pool Swell loads on containment and internal structures.		
3.8.1-6	12/7/09 RAI 4045	Followup to 03.08.01-3 (RAI 2962 Q11922)	U7-C-STP-NRC-100018, 100154	1/14/2010 6/29/10	supplemented by 03.08.01-9 (RAI 4832 Q18280)			
3.8.1-7	12/7/09 RAI 4045	Followup to 03.08.01-4 (RAI 2962 Q11923)	U7-C-STP-NRC-100018, 100208, 100253	1/14/2010, 9/15/10, 11/29/10	supplemented by 03.08.01-10 (RAI 4832 Q18281)			
3.8.1-8	12/7/09 RAI 4045 (Q15690)	Followup to 03.08.01-5 (RAI 2962 Q11924)	U7-C-STP-NRC-100018, 100083	1/14/2010 4/15/2010	S1 provided FSAR markup. Confirmed in R4 Part 7 Section 2.3. C/R per Samir 2/14/11.	Effects of revised pool swell loads.		
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.	STP	3/7/2011
3.8.1-10	7/9/10 RAI 4832 (Q18281)	Followup to 03.08.01-7 (RAI 4045 Q15689)	U7-C-STP-NRC-100208, 100253	9/15/10, 11/29/10	See 03.08.01-7 R2 response. FSAR markup not in R4 yet. Status CONFIRMATORY per Samir 2/14/11.	Flood load due to debris.	STP	R6
3.8.4-1	7/21/2009 RAI 2964	Yes RAI 4046 Q 15691	Letter 299 RAI 4046 Issued 12/9/09.	9/15/2009	Proposed FSAR Changes. Supplemented by 03.08.04-17 (RA 4046 Q15691)	Lateral soil pressure on standard plant structures.		
3.8.4-2	7/21/2009 RAI 2964	Yes RAI 4046 Q 15693	Letter 299 RAI 4046 Issued 12/9/09.	9/15/2009	Supplemented by 03.08.04-18 (RA 4046 Q15693)	Design information for Radwaste Building structure.		
3.8.4-3	7/21/2009 RAI 2964	No	Confirmatory. R/C	8/20/2009	Proposed FSAR Changes confirmed in Rev 4 FSAR..	Removal of seismic category I tunnels from Section 3H.5.3.		

3.8.4-4	7/21/2009 RAI 2964	No	Resolved/Closed	8/20/2009		Inconsistency in Section 3H.5.5 regarding the code used for RWB structure design.		
3.8.4-5	7/21/2009 RAI 2965	Yes RAI 4046 Q 15694	Letter 299 RAI 4046 Issued 12/9/09.	9/15/2009	Supplemented by 03.08.04-19 (RA 4046 Q15694)	COL License Information Item 3.23 - Foundation waterproofing.		
3.8.4-6	7/21/2009 RAI 2965	Yes RAI 4046 Q 15695	Letter 299 RAI 4046 Issued 12/9/09.	9/15/2009	Supplemented by 03.08.04-20 (RA 4046 Q15695)	COL License Information Item 3.25 - Details of Containment Structural Integrity Test.		
3.8.4-7	7/21/2009 RAI 2965	No	Resolved/Closed	8/20/2009		Discrepancy in designation of Figures, illegible Figures.		
3.8.4-8	7/21/2009 RAI 2965	No	Resolved/Closed	8/20/2009		Incomplete list of codes and standards in Section 3H.6.4.1.		
3.8.4-9	7/21/2009 RAI 2965	Yes RAI 4046 Q 15698	Letter 299 RAI 4046 Issued 12/9/09.	9/3/2009	Supplemented by 03.08.04-21 (RA 4046 Q15698)	Consideration of 25% of live load in seismic loading combinations.		
3.8.4-10	7/21/2009 RAI 2965	Yes RAI 4046 Q 15699	Letter 299 RAI 4046 Issued 12/9/09.	8/20/2009	Supplemented by 03.08.04-22 (RA 4046 Q15699)	Including extreme snow load as an extreme environmental load in Section 3H.6.4.3.3.		
3.8.4-11	7/21/2009 RAI 2965	No	N/A	9/15/2009 12/31/2009	See also responses to 03.07.01-3 and 03.07.01-13S2 (F/C 12/31/09). No supplemental RAI. C/R per Samir 2/14/11.	Performing overall damage prediction due to tornado loads.		
3.8.4-12	7/21/2009 RAI 2965	Yes RAI 4046 Q 15700	Letter 299 RAI 4046 Issued 12/9/09.	8/20/2009	See also response to 03.07.01-13. Supplemented by 03.08.04-23 (RAI 4046 Q15700)	Incomplete list of loads for design of site-specific structures.		
3.8.4-13	7/21/2009 RAI 2965	Yes RAI 4046 Q 15701	Letter 299 RAI 4046 Issued 12/9/09.	8/20/2009 12/31/2009	See also responses to 03.07.01-13, 03.07.01-13S1, and 03.07.01-13S2 (F/C 12/31/09) Supplemented by 03.08.04-24 (RAI 4046 Q15701)	Structural analysis and design information for all site-specific seiamic category I structures.		
3.8.4-14	8/19/2009 RAI 3323	Yes RAI 4046 Q 15702	Letter 299 RAI 4046 Issued 12/9/09.	9/16/2009	Supplemented by 03.08.04-25 (RA 4046 Q15702)	Extreme snow load for standard plant structures.		
3.8.4-15	8/19/2009 RAI 3323	Yes RAI 4046 Q 15703	Letter 299 RAI 4046 Issued 12/9/09.	10/5/2009	See also responses to 03.07.01-3 and 03.07.01-13. Supplemented by 03.08.04-26 (RAI 4046 Q15703)	Design of interface between Service Water Tunnel and Control Building and Pump House.		
3.8.4-16	8/19/2009 RAI 3323	Yes RAI 4046 Q 15704	Letter 299 RAI 4046 Issued 12/9/09.	9/16/2009	Supplemented by 03.08.04-27 (RA 4046 Q15774)	Modeling of hydrodynamic loads for UHS basin. Also, not listing thermal and flood loads for design of UHS structure.		

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)	STP	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.	STP	3/15/2011
3.8.4-19	12/9/09 RAI 4046	Followup to 03.08.04-5 (RAI 2965 Q11929)	U7-C-STP-NRC-100036, 100093 ML100550613	2/10/2010 4/30/2010	Supplement to 03.08.04-5. Supplemented by 03.08.04-28 (RAI 4833 Q18282)			
3.8.4-20	12/9/09 RAI 4046	Followup to 03.08.04-9 (RAI 2965 Q11933)	U7-C-STP-NRC-100035	2/4/2010	Supplement to 03.08.04-6. FSAR markup confirmed in R4 but need to check UHS design parameters removed in R4 but shown in response. C/R per Samir 2/14/11.	Use of a reduced live load in the seismic load combination.		
3.8.4-21	12/9/09 RAI 4046	Followup to 03.08.04-10 (RAI 2965 Q11934)	U7-C-STP-NRC-100035	2/4/2010	Supplement to 03.08.04-10. FSAR mark-up confirmed in R4. C/R per Samir 2/14/11.	Roof load (47 lbs/ft2) for roof design.		
3.8.4-22	12/9/09 RAI 4046	Followup to 03.08.04-12 (RAI 2965 Q11937)	U7-C-STP-NRC-100036 ML100550613, 100208	2/10/2010 9/15/10	Supplement to 03.08.04-10. Supplemented by 03.08.04-29 (RAI 4833 Q 18283)			
3.8.4-23	12/9/09 RAI 4046	Followup to 03.08.04-13 (RAI 2965 Q11938)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Supplement to 03.08.04-12. Supplemented by 03.08.04-30 (RAI 4833 Q18284)			
3.8.4-24	12/9/09 RAI 4046	Followup to 03.08.04-14 (RAI 3323 Q13167)	U7-C-STP-NRC-100035	2/4/2010	Supplement to 03.08.04-14. Refer to Table 2.0-2 in 03.08.04-21. C/R per Samir 2/14/11.	Max parapet height is 9" for Cat I which limits max load be 47 lbs/ft2 in extreme winter conditions.		
3.8.4-25	12/9/09 RAI 4046	Followup to 03.08.04-15 (RAI 3323 Q13168)	U7-C-STP-NRC-100036 ML100550613, 100083	2/10/2010 4/15/2010 5/13/2010	Supplement to 03.08.04-15. Supplemented by 03.08.04-31 (RAI 4833 Q18185)			
3.8.4-26	12/9/09 RAI 4046	Followup to 03.08.04-16 (RAI 3323 Q13169)	U7-C-STP-NRC-100035	2/4/2010	Supplement to 03.08.04-16. FSAR markup confirmed in R4 except typo and editorial errors in 4th bullet. C/R per Samir 2/14/11.	Include hydrodynamic loads of UHS in FSAR.		
3.8.4-27	12/9/09 RAI 4046	Followup to 03.08.04-6 (RAI 2965 Q11930)	U7-C-STP-NRC-100036 ML100550613	2/10/2010	Supplement to 03.08.04-6. Supplemented by 03.08.04-32 (RAI 4833 Q18286)			

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.	STP	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.	STP	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.	STP	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.	STP	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.	STP	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.	Use of 1997 ACI 349 impact on existing design. OGC agreed with staff.	STP	2/28/2011
Q389		New RAI			Discussed in 2/2/11 mtg.	UHS concrete design. Averaging in and out of plane shears. Samir will concult Peter to decide next step. Will issue RAI.	NRC	2/24/2011
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

3.8.5-1	8/24/2009 RAI 3324	Yes RAI 4048 Q 15704	Supp. RAI 4048 (03.08.05-2) sent 12/8	9/22/2009 12/31/2009	Partial response provided and reviewed. Final response due. See also responses to 03.07.02-4, -5, -10, and 03.07.01-13S2 (F/C 12/31/09)	Design and stability evaluation of foundations for site-specific seismic category I structures.		
3.8.5-2	12/8/09 RAI 4048 (Q15704)	Link to RAI 3324 (Q13170)	LTR 297 sent 12/8/09	1/14/2010 4/15/2010 5/13/2010	Supplemented by 03.08.05-4 (RAI 4834 Q18288)	COL License Information Item 3.24 - Foundation settlement.		
3.8.5-3	12/8/09 RAI 4048 (Q15717)	No	LTR 297 sent 12/8/09	1/14/2010 4/15/2010	Supplemented by 03.08.05-5 (RAI 4834 Q18289)			
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