WBN2Public Resource

From: Crouch, William D [wdcrouch@tva.gov]
Sent: Thursday, September 16, 2010 3:09 PM
To: Poole, Justin; Milano, Patrick; Wiebe, Joel; Arent, Gordon
Subject: Bucket List 9/16/10
Attachments: NRC PM Open Items List 9-16-10.docx

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Hearing Identifier: Watts_Bar_2_Operating_LA_Public
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Subject: Bucket List 9/16/10
Sent Date: 9/16/2010 3:09:29 PM
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From: Crouch, William D

Created By: wdcrouch@tva.gov

Recipients:
"Poole, Justin" <Justin.Poole@nrc.gov>
Tracking Status: None
"Milano, Patrick" <Patrick.Milano@nrc.gov>
Tracking Status: None
"Wiebe, Joel" <Joel.Wiebe@nrc.gov>
Tracking Status: None
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Files	**Size**	**Date & Time**
MESSAGE	86	9/16/2010 3:09:33 PM
NRC PM Open Items List 9-16-10.docx	48654	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
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NRC PM Open Items List
9/9/10
(423) 751-6338 ID 657601

No.	Description	Status	Additional Comments
	Respond to Refurbishment meeting questions	C - 9/22	
	Respond to Replacement Items question	C - 9/15	
	Letter on MSIP	C - 11/04	
	List of I&C systems and affected FSAR section	C - 9/17	
	List of open commitments	C - 10/1	
	Resolve fifth DG licensing basis	C- 11/24 FSAR A95	NPG Issue Rod Krich
	EDCR Proc Appendix J	C - 9/8	
	FSAR drawings	C - 10/13	
	List of Project Milestones	C - 9/24	
	Public Meeting Part 70 License	C - 10/22	Application submitted 11/11
	Decision on incorporating TSTF-493 (this will require you to develop a setpoint control program)	C - 11/18	Follow BFN path
	Other Unit 1 TSs that require revision for dual-unit operation (a list of any to start with)	C - 11/30	
	Provide info on your material purchases so that NRC can decide if vendor inspections are warranted.	C - 10/6	
	Test sequence schedule for Eagle-21 Factory Acceptance Testing	C - 11/23	
	PRA/IPE/ submittal in Jan 2010	C - 2/9/10	
	Estimated schedule for cold and hot functional testing	C - 9/24	
	On-site emergency preparedness drill	C - 9/24	
	Current lists of items recommended in SECY 07-0096: e.g., betterments, adopt updated standards for Unit 2 where it would not significantly detract from design and operational consistency between Units 1 and 2, opportunities to resolve GSIs, exemptions/reliefs	List Available Now	
	Evacuation time estimates and State/local EP Plans	C – 12/3	
	Support Contracts	C - 12/14	

No.	Description	Status	Additional Comments
	Security Plan update (cyber security)	C - 11/23	
	FSAR Chapter 7 I&C	C - 12/14	A-96
	Commitment list for WRAG	C - 2/18/10	List ready
	Big FSAR drawings for 9.2.1, 9.2.2 and 9.2.5	C- 1/20	
	Refurbishment Electrical RAI	C - 2/5/10	
	Draft I&C RAI	3/8/10	Complete
	RM-1000 Proprietary Documents and schedule for nonP	3/8/10	Ps will be in I&C RAI response
	Presevice Inspection/Refurbishment - example implementing procedures for audit	12/31/09	Regional Request Complete.
	Additional information related to GLs/ Bulletins / TMI items		Region II request - Bulletins sent
	Environmental RAIs	~~3/12/10~~ Step 1 Complete	
	TS / TRM meeting ?	3/30/10	Meeting Set
	Preservice Inspection Additional Information	~~3/12/10~~ ~~04/02/2010~~ 04/19/2010	Drawings and preservice scope to be provided In-signoff
1.	PSI Commitments – Revised PSI procedure and ASME Inspection Plan and Schedule (Chinn)	Complete	
2.	Security Plan update	~~05/28/10~~ 05/14/10A	RAI response submitted. Plan submitted.
3.	List of TVA QA and Bechtel self-assessments on implementation of licensing basis program, refurb program, etc. (Metzler)	Complete	List of self assessments provided for NRC selection on 8/3/10. See item 95 for NRC action.
4.	EAL procedure revisions (Walt Lee) (Lyons)	~~04/10/2010~~ ~~04/20/2010~~ ~~04/29/10~~ 9/17/10	~~RAIs received~~ ~~In Review/Signoff~~ ~~RAIs submitted 4/26~~ ~~NRC questions: Are the EALs the same for U1 and U2?~~ ~~Potential RAI on evacuation time estimate.~~
5.	Antitrust Info - Gap analysis	~~3/12/10~~ ~~04/02/2010~~ ~~04/23/2010~~	Complete - Department of Justice Review

No.	Description	Status	Additional Comments
		~~04/29/10~~ 5/13/10A	started 9/1/10
6.	Step 1 - Submit Cyber Security Plan/Controls and Implementation Schedule. State will be ready for inspection by April 2011. Step 2 - Conduct Cyber Security Self Assessment (Pointer)	Step 1 - Complete Step 2 - TBD	Update Cyber Security Plan IAW NEI 08-09 Rev 6 per NRC letter dated 5/24/10. NRC Inspection early 2011 Need TVA letter to state ready for inspection in April 2011
7.	NUREG-0847 Appendix update (Pointer) A-12 and A-36 in particular	~~01/31/2010~~ ~~04/30/2010~~ ~~5/26/10~~ 10/1/10	Letter to update the TVA appendices from NUREG-0847 including the USIs.
8.	IDVP Rationale for system selection	~~4/22/10~~ 5/12/10A	System selected CCS and RHR. Scheduled for week of 9/28/10. Wally Justice to lead. NRC Question: Who did the IDVP for U1?
9.	SBO assumptions	W/ A98	FSAR A75 sent, needs additional clarification to ensure assumptions and coping strategy remain unchanged.- Need to Docket result. Define where in FSAR the info is located. Info provided. See item 71.
10.	Environmental RAIs	Step 2 due ~~4/30/10~~ 05/12/10A	Complete
11.	Regulatory Framework Update	~~3/18/10~~ ~~4/9/10~~ 4/30/2010	Complete 4/29
12.	IPEEE submittal	~~3/31/10~~ ~~04/19/2010~~ 04/30/10	~~In Review/Signoff~~ ~~Comment incorporation in progress~~ Complete - Fed Ex'd out

No.	Description	Status	Additional Comments
13.	FSAR RAIs (Elton)	9/17/10	
14.	FSAR RAIs 11, 12, 14		Closed to Item 13
15.	FSAR RAIs 3.8-1 thru 3.8-5		Closed to Item 13
16.	FSAR RAIs 3.5.1 & 3.5.3, 3.10		Closed to Item 13
17.	FSAR RAIs 3.2.2		Closed to Item 13
18.	FSAR RAIs 2.3		Closed to Item 13
19.	FSAR RAIs 9.4.4 & 9.4.8		Closed to Item 13
20.	FSAR RAIs 9.3.2, 9.2.6		Closed to Item 13
21.	FSAR RAIs 11.3 & 11.4		Closed to Item 13
22.	Amendment 98	~~4/15/10~~ ~~4/23/10~~ ~~4/30/10~~ 5/7/10A	Complete
23.	Hydrology Section 2.4	w/A98	Complete
24.	Buried Piping/Cable White Paper (Lyons)	6/3/10A	Complete
25.	ACRS Meeting Preparations SR Refurb (Valves, Pumps, Motors) – totals, refurb, replace Fire Protection Program Buried Piping & Cables, other technical issues (Crouch)	Complete	Develop Agenda
26.	Refurbishment Mtg – Overall Program: Region/NRR/TVA (Crouch/Charlton)	Complete	Purpose of meeting accomplished by NRR review of Refurb program document and Region inspection of program
27.	SAMA RAIs (Metzler)	Step 1 – ~~3/31/10~~ ~~5/14/10~~ ~~5/28/10 Step 1~~ Step 1 - Complete Step 2- 10/1/10	2-Step Approach Step 1 – Address Initial RAIs Step 2 – Provide comparison of Riskman vs CAFTA results New date is for a new forecast
28.	Indemnity Letter	~~04/02/2010~~ ~~04/23/2010~~ 04/29/10	Complete
29.	3/12/2010 submittal rejected by ADAMs due to duplicate and missing pages • duplicate documents for Rosemount 3051 Vendor document dated March of 2008,	5/11/10A	Complete

No.	Description	Status	Additional Comments
	• Duplicate documents dated November 2009 with missing pages 3-1 through 3-6 • Duplicate CAM documents, • EDCR – 2-523343-A missing pages 1, 11,12,13,14,15,16 & 17 of 17– need to resubmit with correct documentation • RM-100 Vendor test report missing page 6 of Appendix F Need to confirm duplicates are not required Provide missing sheets to Joel		
30.	12/14/2009 Cultural resources submittal rejected by ADAMS • Missing pages 3, 5, & 7 and now is lost. • We need to resubmit with correct documentation again.	~~4/26/10~~ Complete 4/23/10	Complete
31.	TVA – what is the schedule for the Fire Protection Plan submittal accounting for WBN 2 within the plan? What changes have occurred to the Unit 1 plan since last submitted to NRC? (Knuettel/Woodfin)	Complete 7/16/10A	Will provide another briefing on Fire Protection in an upcoming bi-weekly meeting
32.	Part 70 and 50 License Telecon regarding EP and Security with NMSS	05/05/2010A	Telecon Held
33.	Pre-1995 Program Review Status for Generic Letters and TMI items	04/30/2010	Closed - Duplicate of Item 11
34.	Electrical RAIs ~~(Includes Control Room Lighting?)~~	05/27/2010A	Complete
35.	IPE/PRA RAIs on Peer Review (Metzler)	Complete	Include information regarding the status of the F&Os Additional questions during 5/13/10 telecon
36.	Internal Setpoint Methodology	5/12/10A	Complete
37.	Information for upcoming NRC visit to Westinghouse for Eagle 21 FAT • Updated GANT Chart - not required • ~~Points of Contact~~	4/23/10	Complete

No.	Description	Status	Additional Comments
	• ~~Testing to be Performed~~ • ~~Location & Hotels~~		
38.	Find & Forward: Radiation Records Data Collection and Analysis date January 4, 1994.	Closed	Addressed by RAI on SNM License
39.	GL 2004-02 submittal of post Unit 1 RAIs (Pointer)	Step 1 9/10/10A Step 2 12/15/10	Step 1 Report w/o test data Step 2 Include test data
40.	Discrepancy between A95 and A97 for Rev bars in Section 5.5.2.1; A97 P 5.5-9 no Rev bars, A95 P5.5-14 no Rev bars	With A98	Complete
41.	Section 5.5.2.4 last paragraph address Tech Spec requirement words	W/ A98	Complete
42.	Provide categorization table for A92 thru A97 (Stockton)	Step 1 6/2/10A Step 2 - TBD	Step 1 - Disks provided on 6/8/10 Step 2 - Need to add a column that identifies change by Amendment Number
43.	Issue PER and extent of condition for FSAR errors (Metzler/Stockton)	Complete	PER 233219
44.	Plan for combining Unit 1 and Unit 2 FSARs post U2 Licensing		Closed to Item 52
45.	Plan for NRC review of Fire Protection Report	5/11/10 mtg	Duplicate of 31
46.	Issue letter to change TVA WBN Licensing personnel and distribution lists for NRR and Region (Crouch)	Complete	I
47.	Add Station Blackout section to FSAR	W/ A98	Closed - See Item 71
48.	Provide FMEA for 125 VDC system (Pointer)	Complete	Presentation made in bi-weekly meeting
49.	NRC review of vendor procurement documents (Charlton)	Complete	Audit Scheduled for July
50.	Schedule for Maintenance Rule Implementation	Closed	Addressed by Reg Framework Letter
51.	ACRS Meeting Preparations SR Refurb (Valves, Pumps, Motors) – totals, refurb, replace Fire Protection Program Buried Piping & Cables, other technical issues (Pointer)	September 2010	Review Slides for October Meeting
52.	Discuss status of the U1/U2 Integration	Discuss at	When does U1

No.	Description	Status	Additional Comments
	Team. Who is responsible for plant from now until U2 Licensing? (Pointer)	next WRAG meeting	PORC assume control of U2? Will discuss at August mtg at WBN
53.	Develop Plan for early Tech Spec verification (Elton/Stockton)	Need Schedule	Describe how the Tech Spec template was developed
54.	Discuss dual unit operator licenses (Metzler)	Discussed at bi-weekly meetings - Closed pending Region review of 8/27/10 submittal	Mtg held on 7/20 between U1 and Region. Provide details of mtg to NRR.
55.	Provide plan for providing a single Emergency Plan for Unit 1 & 2 to NRC		Closed - Discussed on 5/17. Will minimize Unit 1 revisions.
56.	March 2009 Emergency Plan response showed additional staffing in Rev 88 but not in Rev 89. Address why it changed.		Information provided to Joel Wiebe on 5/11/10. Amendment 98 did not replace the template. This was explained in a letter dated 3/11/10.
57.	Provide Appendix R discussion of RCP #1 Seals need for cooling.	5/20/10A	Unit 2 will have the same seals as Unit 1 therefore post fire cooling is required.
58.	For info in the FSAR that is "as-designed/not confirmed yet" such as stress, is the info Unit 2 as designed or Unit 1 as constructed? (Knuettel)	7/6/10A	Provided discussion regarding how issue is tracked via UVAs. NRC stated no need for submittal at this time.
59.	Eagle 21 FAT Issues 1. Provide NRC with difference form from WBN Design change package EDCR 52319 Unit Diff Form provided 2. Provide NRC a statement of the new power supplies have been installed by TVA in WBN 1 – that how the equipment was	Closed by 7/30/10 letter	Need Submittal

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	installed via equivalency evaluation from Westinghouse. WO 08-813412-000 3. Provide NRC with Rack 5 issue cause determination and corrective actions needed for resolution 4. Was a PER written and an Extent of Condition performed? Westinghouse PER initiated. Cause analysis and extent of condition in process (Lyons)		
60.	Biweekly meeting on Shared Systems	5/25/10A	Complete - See Item 68 for follow up meeting
61.	Rx Systems RAI FSAR 15.2.14 Inadvertent SI @ Power - RIS on subject not addressed FSAR 5.2.2 and 5.5.13 - Does not address Overpressure Protection relief capacity at power (Elton)	Closed to Item 13	Confirmed contained in the list for Item 13
62.	A97 Sect 5.5.1.2 - Verify if TVA will do a periodic ISI inspection of the RCP flywheel versus taking credit for the vibration monitoring system (Pointer)	Closed	Addressed in NRC EMCB RAI
63.	Provide discussion of missing QA Records Was a PER written? What was the cause? What is the regulatory impact? What happened from 1985 to 1995 on Unit 1 pipe supports that makes Unit 1 different than Unit 2? Why was the same process not applied to Unit 2? What went wrong? How did we lose the records? Address 10CFR50 Appendix B Control of Records. Does the CAP and/or Implementation Plan need to be changed? (Stephenson)	9/16/10	IEB 79-14 records were found. The HAUUP records (in punch card format) have also been located. In process of procuring new machine to read cards to verify all records present. New machine received. Cards have been read and data is being sorted.
64.	Confirm acceptability of shifting EP	Re-Opened	No NRC objections. Meeting with state

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	drill from May 2011 to July 2011 to support other state drills. (Crouch)		on 7/16/10 determined state does not need a U2 drill and thus will not participate. TVA/NRC to address issue with FEMA
65.	Three issues identified regarding environmental items: 1. Three reports (Baxter) 2. Water samples different 3. Addressing three reactor events (locked rotor, RCP shaft break, ???) Look at ML101370186 for NRC telecom minutes for 5/15/10. (Lyons)	Closed 7/6/10A	
66.	Control Room Lighting RAI (Elton)	Closed to Item 13.	
67.	Instrumentation RAI List (Knuettel)	Ongoing	
68.	Shared Systems Meeting (Crouch)	8/17/10A	
69.	Emergency Preparedness RAI (Lyons)	Complete	
70.	Part 70 and 50 License RAI regarding EP from NMSS (Lyons)	7/30/10A - Complete	Corporate provided response
71.	NRC reviewing the Station Blackout Design Criteria to determine if it provides the info they are requesting. (Stockton)	Complete	NRC stated that answering the FSAR RAI questions will provide the required info.
72.	Questions on A98 rev bars- Sections 8.3.1.1, 9.4, 11.2.6, 11.3, 15.2 (Stockton)	Closed	Discussed with NRC
73.	Appendix R changes from Rev 0 to current (Boyd/Woodfin)	Closed to Item 31	
74.	Technical Specifications Change WBN-TS-10-05 - Control Rod Assemblies (Lyon)	8/15/10A	
75.	Provide letter regarding Conformal Coatings on Eagle 21 boards.	Complete	
76.	Provide commitment letter on B.5.b assumptions and backup power to H_2 igniters being the same as Unit 1 -	Closed	7/01/10A

No.	Description	Status	Additional Comments
	(i.e.,procedural guidance)		
77.	Answer RAI related to Spent Fuel Pool Heat Loads specific to Unit 2 only.	Closed to Item 13	
78.	X-750 Bolt Material Issue (Elton)	Closed	Submittal issued 6/29/10A
79.	Control Rod Tech Spec Change (Elton)	Closed	Duplicate of item 74
80.	Develop list of planned License Conditions		
81.	Submit Licensing Basis Preservation Review Results	Complete	
82.	IPE RAI Questions (Metzler)	Complete 8/12/10A	
83.	Anti Trust RAI (Lyons)	Complete	
84.	Security Plan Update based on telecon (Corporate)	Complete	
85.	Hazardous Chemical RAI for Emergency Planning from e-mail	9/17/10	
86.	August 3 Agenda Items FSAR RAIs IST SAMA RAI ACRS Agenda	Complete	
87.	FSAR Amendment 100 with RAI incorporation and Setpoint Methodology writeup	Closed 9/1/10A	
88.	Refurb Program followup items		
89.	Baseline list of OMAs	8/9/10A	
90.	Fire Protection Report Common Sections	8/9/10A	Unit 2 Deviations included in Part VII of FPR.
91.	MSO scenarios	8/20/10A	
92.	Markup of Report Changes from Rev 5 to 40	Closed 8/30/10A	
93.	Final Fire Protection Report Submitted	12/17/10	Discuss partial submittal idea
94.	Resolve Licensing Basis Preservation Self Assessment PERs		
95.	Self Assessments Review	10/15/10	NRR select assessments for onsite review
96.	Resolve ASME Code Year approval for Section XI and OM	Complete	Based on NRC Report, code to be approved in May 2011
97.	Chapter 11/12 RAIs	Closed	NRR to provide to

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			TVA. Included in Item 13
98.	Meteorology RAI	Closed	NRR to provide to TVA. Included in Item 13
99.	Evacuation time estimate for transportation dependent people RAI Did the 2009 data confirm the 2000 data is unchanged? Rad Monitor reading factor of 10 issue.	8/13/10A	
100.	IPEEE Response NRC Review	9/28/10	Provide briefing to NRC reviewers
101.	Integrated Safeguards Testing Issue	9/17/10	Initial discussion held with NRR, Region and Residents. Provide justification submittal addressing impact on U1 loads and description of U1 testing. Justify why dual unit operation does not invalidate previous testing.
102.	B.5.b Phase I issue	TBD	Address issues on 7/1/10 submittal regarding locations and shielding.
103.	Diesel AOT duration		
104.	IDVP plan, date, personnel and resumes	9/17/10	
105.	Schedule/plan for GL89-10 testing		
106.	Schedule/plan for GL 96-01 testing		
107.	WCAP reference for NRC approval of new control rod material		
108.	Fuel Related RAI comments from 8/3 meeting SNPB 4.2.3-3, 4.3.2-1, SRP 5.2.2 ASME Code analysis, 15.2.14 Inadvertant ECCS, CVCS malfunction analysis, Fig 15.4-11 poor quality, Fig 15.4-11a vs 15.4-12a bounding reactivity issue	8/30/10	
109.	Schedule for submitting ISI/IST first 10 year plan. What triggers the submittal?		
110.	SAMA RAI response- item 5.e need more info regarding can we do		

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	something to fix the ones with low values of HCLPF?		
111.	Shared System GDC 5 - Provide explanation of why we are a hot shutdown vs cold shutdown plant. What events/scenarios are involved? How does this meet GDC 5? How did the NRC approve us as a hot shutdown plant? Do we have a procedure for heating up to hot standby on decay heat? Is the ERCW path to the cooling tower/holding pond seismic? Is the holding pond structure seismic?	9/28/10	Provide flow rates/heat load/cool down analyses. Address two unit Tech spec shutdown.
112.	B.5.b/LOLA submittal - Address Unit 1 commitments for Hydrogen Igniter, skid mounted diesels and location of power supply		Confirm ignitors have backup power
113.	Unit 2 Target Sets	11/15/10	Need concurrence from NSIR regarding inspection impact of new date
114.	FSAR Chapter 7 50.59 RAI	Complete	
115.	Generic Letter 2008-01 Gas Accumulation High Point Vents	9/24/10	Provide submittal of Engineering Products with commitment for final walkdown in 2011
116.	Status on Aquatic Contention	10/7/10	
117.	Part 30 and 40 License		
118.	Status of Aux Instrument Room CO_2 Issue		Confirm this is a Unit 1 only issue.
119.	Set up telecon/meeting for fuel thermal conductivity issue		
120.	Unit Difference submittal		
121.	Common Q Audit Trip	9/20-21/10	
122.			
123.			
124.			
125.			
126.			