

## WBN2Public Resource

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**From:** Crouch, William D [wdcrouch@tva.gov]  
**Sent:** Thursday, July 15, 2010 8:23 AM  
**To:** Wiebe, Joel; Milano, Patrick; Arent, Gordon; Poole, Justin  
**Subject:** Bucket List  
**Attachments:** NRC PM Open Items List 7-15-10.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**William D. (Bill) Crouch**  
**(423) 365-2004 WBN**  
**(256) 777-7676 Cell**

**Hearing Identifier:** Watts\_Bar\_2\_Operating\_LA\_Public  
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**Subject:** Bucket List  
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**From:** Crouch, William D

**Created By:** wdcrouch@tva.gov

**Recipients:**

"Wiebe, Joel" <Joel.Wiebe@nrc.gov>  
Tracking Status: None  
"Milano, Patrick" <Patrick.Milano@nrc.gov>  
Tracking Status: None  
"Arent, Gordon" <garent@tva.gov>  
Tracking Status: None  
"Poole, Justin" <Justin.Poole@nrc.gov>  
Tracking Status: None

**Post Office:** TVANUCXVS2.main.tva.gov

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**NRC PM Open Items List**  
**7/15/10**  
**(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)	8/30/10	List of self assessment compiled. Ready for NRC review.
4.	EAL procedure revisions (Walt Lee) (Lyons)	04/10/2010 04/20/2010 04/29/10 8/6/10	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 04/29/10 5/13/10A	Complete

No.	Description	Status	Additional Comments
6.	<p>Step 1 - Submit Cyber Security Plan/Controls and Implementation Schedule. State will be ready for inspection by April 2011.</p> <p>Step 2 - Conduct Cyber Security Self Assessment (Pointer)</p>	<p>Step 1 - 7/23/10</p> <p>Step 2 - TBD</p>	<p>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</p>
7.	NUREG-0847 Appendix update (Pointer)	<del>01/31/2010</del> <del>04/30/2010</del> <del>5/26/10</del> 7/23/10	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 <del>4/30/10</del> 05/12/10A	Complete
11.	Regulatory Framework Update	<del>3/18/10</del> <del>4/9/10</del> 4/30/2010	Complete 4/29
12.	IPEEE submittal	<del>3/31/10</del> <del>04/19/2010</del> 04/30/10	In Review/Signoff Comment incorporation in progress Complete - Fed Ex'd out
13.	FSAR RAIs (Elton)	7/30/10	
14.	FSAR RAIs 11, 12, 14		Closed to Item 13

No.	Description	Status	Additional Comments
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)	?????????	Coordinate Date with the Region
27.	SAMA RAIs (Metzler)	Step 1 – 3/31/10 5/14/10 5/28/10 Step 1 7/20/10 Step 1 8/15/10 Step 2	2-Step Approach Step 1 – Address Initial RAIs Step 2 – Provide segue to new PRA and impact on SAMA
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 <ul style="list-style-type: none"> <li>• duplicate documents for Rosemount 3051 Vendor document dated March of 2008,</li> <li>• Duplicate documents dated November 2009 with missing pages 3-1 through 3-6</li> <li>• Duplicate CAM documents,</li> <li>• EDCR – 2-523343-A missing pages 1, 11,12,13,14,15,16 &amp; 17 of 17– need to resubmit with correct documentation</li> </ul>	5/11/10A	Complete

No.	Description	Status	Additional Comments
	<ul style="list-style-type: none"> <li>RM-100 Vendor test report missing page 6 of Appendix F</li> </ul> Need to confirm duplicates are not required  Provide missing sheets to Joel		
30.	12/14/2009 Cultural resources submittal rejected by ADAMS <ul style="list-style-type: none"> <li>Missing pages 3, 5, &amp; 7 and now is lost.</li> <li>We need to resubmit with correct documentation again.</li> </ul>	<del>4/26/10</del> 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)	7/16/10	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 ( <del>Includes Control Room Lighting?</del> )	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 <ul style="list-style-type: none"> <li>Updated GANT Chart - not required</li> <li>Points of Contact</li> <li>Testing to be Performed</li> <li>Location &amp; Hotels</li> </ul>	4/23/10	Complete
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 (Chinn)	Step 1 7/30/10  Step 2 9/15/10	Step 1 Report w/o test data

No.	Description	Status	Additional Comments
			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)	August 2010	Review Slides for October Meeting
52.	Discuss status of the U1/U2 Integration Team. Who is responsible for plant from now until U2 Licensing? (Pointer)	8/20/10	When does U1 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	Need	TVA/NRC Region



No.	Description	Status	Additional Comments
	(Metzler)	Schedule	mtg 5/20
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.	<p>Eagle 21 FAT Issues</p> <ol style="list-style-type: none"> <li>1. Provide NRC with difference form from WBN Design change package EDCR 52319 Unit Diff Form provided</li> <li>2. Provide NRC a statement of the new power supplies have been installed by TVA in WBN 1 – that how the equipment was installed via equivalency evaluation from Westinghouse. WO 08-813412-000</li> <li>3. Provide NRC with Rack 5 issue cause determination and corrective actions needed for resolution</li> <li>4. Was a PER written and an Extent of Condition performed? Westinghouse PER initiated. Cause analysis and extent of condition in process (Lyons)</li> </ol>	12/3/10	Need Submittal

No.	Description	Status	Additional Comments
60.	Biweekly meeting on Shared Systems	5/25/10A	Complete - See Item 68 for follow up meeting
61.	<p>Rx Systems RAI</p> <p>FSAR 15.2.14 Inadvertent SI @ Power - RIS on subject not addressed</p> <p>FSAR 5.2.2 and 5.5.13 - Does not address Overpressure Protection relief capacity at power (Elton)</p>	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)	7/23/10	IEB 79-14 records were found. The HAUUP records (in punch card format) have also been located. In process of reading cards to verify all records present.
64.	Confirm acceptability of shifting EP drill from May 2011 to July 2011 to support other state drills. (Crouch)	7/20/10	No NRC objections. Need FEMA and state of TN concurrence Meeting with state on 7/16/10
65.	<p>Three issues identified regarding environmental items:</p> <ol style="list-style-type: none"> <li>1. Three reports (Baxter)</li> <li>2. Water samples different</li> <li>3. Addressing three reactor events (locked rotor, RCP shaft break, ???)</li> </ol> <p>Look at ML101370186 for NRC telecom minutes for 5/15/10. (Lyons)</p>	Closed 7/6/10A	

No.	Description	Status	Additional Comments
66.	Control Room Lighting RAI (Elton)	Closed to Item 13.	
67.	Instrumentation RAI List (Knuettel)	Ongoing	Next Submittal planned for 7/23/10
68.	Shared Systems Meeting (Crouch)	7/20/10	
69.	Emergency Preparedness RAI (Lyons)	7/16/10	In concurrence
70.	Part 70 and 50 License RAI regarding EP and Security from NMSS (Lyons)	7/16/10	In final Corporate signoff
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 (Elton)	8/15/10	
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 <sub>2</sub> igniters being the same as Unit 1 - (i.e.,procedural guidance)	Closed	7/01/10A
77.	Answer RAI related to Spent Fuel Pool Heat Loads specific to Unit 2 only.		
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	7/15/10	In Concurrence
82.	IPE RAI Questions	7/26/10	
83.	Anti Trust RAI	8/13/10	
84.			
85.			
86.			