

## WBN2Public Resource

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**From:** Boyd, Desiree L [dlboyd@tva.gov]  
**Sent:** Thursday, June 13, 2013 9:07 AM  
**To:** Poole, Justin; Arent, Gordon; Bryan, Robert H Jr; Hon, Andrew  
**Cc:** Boyd, Desiree L  
**Subject:** 2012-6-13 - WBN Project Plan - Unit 2.pdf  
**Attachments:** 2013-06-13 - WBN Project Plan - Unit 2.pdf

*Please see attached for today's 9:15 phone call.*

*Thank you*

*Desiree L. Boyd*

WBN Unit 2 Licensing  
EQB 1-B (Trailer NP70)

[dlboyd@tva.gov](mailto:dlboyd@tva.gov)

423-365-8764

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**Email Number:** 826

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**Subject:** 2012-6-13 - WBN Project Plan - Unit 2.pdf  
**Sent Date:** 6/13/2013 9:06:52 AM  
**Received Date:** 6/13/2013 9:10:02 AM  
**From:** Boyd, Desiree L

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

**Recipients:**

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2013-06-13 - WBN Project Plan - Unit 2.pdf		154507

**Options**

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**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

# WBN UNIT 2 PROJECT PLAN: 06/13/2013

## I. SUBMITTAL LOOK-AHEAD

Item No.	Description	Resp. Person	Due Date
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### License Amendments / Technical Specifications

1.	Common Service Station Transformer (CSST) A & B Credit	Shea	August 1, 2013
2.	SSER Open Item 32: Revise Diesel Generator Frequency Allowable Value. [Commitment 1136760666] <ul style="list-style-type: none"> <li>• Revised Proposal from Flowserve to Bechtel</li> <li>• Issue Purchase Order</li> <li>• Provide Runout Analysis</li> <li>• Westinghouse draft evaluation of analysis impacts</li> <li>• Westinghouse final analysis impact evaluation</li> <li>• Add Flowserve and Westinghouse evaluations to LAR write-up.</li> <li>• Finalize and Submit LAR to NRC.</li> </ul>	Hilmes FlowServe Wiggall FlowServe Morgan Wiggall/Hilmes Licensing	TBD COMPLETE COMPLETE COMPLETE COMPLETE COMPLETE May 15, 2013 July 1, 2013
3.	Fuel Storage	Bryan	June 27, 2013
4.	RCS Dose Equivalent Iodine	Bryan	June 12, 2013
5.	CCS Maintenance	Bryan	June 12, 2013
6.	EGTS Testing	Koontz/Bryan	August 1, 2013
7.	Incorp U1 changes to TS 5.9.2	Bryan	June 12, 2013

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## License Amendments / Technical Specifications

8.	<p>The Unit 1 Environmental Protection Plan (EPP) is based on Supplement 1 of NUREG 0498, "Final Environmental Statement" and references Supplement 1 in several places. Since Supplement 2 of NUREG 0498 updates Supplement 1, an amendment needs to be processed to update the Unit 1 EPP for two unit operation.</p>	Bushnell	August 1, 2013
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**SSER Appendix HH Open Items (requiring submittal)**

1.	<p>SSER Open Item 1: Following completion of cable pulls, submit letter to NRC either:</p> <ul style="list-style-type: none"> <li>* Affirming no power assisted cable pulls were made, or</li> <li>* Documenting any power assisted cable pulls.</li> </ul> <p>[Commitment 113676047]</p>	Hilmes	January 17, 2014
2.	<p>SSER Open Item 13: Submit an ASME Section XI Inservice Test Program for the first ten year interval six months before receiving an Operating License. [Commitment NCO080008033: Item 017 of Enclosure 2 of letter T90 080128 001]</p>	McDonald / Crouch	June 12, 2014
3.	<p>SSER Open Item 37: Submit changes to the Emergency Plan (REP) prior to fuel load. [Commitment 111032952]</p>	Detchemendy	November 15, 2013
4.	<p>SSER Open Item 41: Update the following to provide two unit capability:</p> <ul style="list-style-type: none"> <li>• Plant design displays [Commitment 111033086], and</li> <li>• dose assessment models [Commitment 113841821]</li> </ul>	Hilmes	November 15, 2013
5.	<p>SSER Open Item 43: Submit Emergency Plan implementing procedures no less than 180 days before schedule issuance of Operating License. [Commitment 113841955]</p>	Detchemendy	November 15, 2013
6.	<p>SSER Open Item 61: Fuel Thermal Conductivity Degradation Model (PAD Code) - Note: currently this is a License Condition - tracking PWROG activity to update code. [Commitment 113676152]</p>	Koontz	August 7, 2013

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**SSER Appendix HH Open Items (requiring submittal)**

7.	<p>SSER Open Item 79: Perform an EMI survey of the containment high range radiation monitors after they are installed in WBN Unit 2, and submit the results to the NRC within two weeks of the survey being completed. [Commitment 112177753]</p>	Hilmes	March 4, 2014
8.	<p>SSER Open Item 83: Provide Letter verifying completion of data storm test on DCS. [Commitment 113676093]</p>	Hilmes	August 30, 2013
9.	<p>SSER Open Item 132:</p> <ul style="list-style-type: none"> <li>a. Issue EDCR to add high VCT level alarm to the main control room annunciator system</li> <li>b. Submit letter documenting that plant modifications to add high VCT level alarm to main control room annunciator system have been completed. [Commitment 113111704]</li> <li>c. Revise appropriate procedures (SOI, GO) to limit the number of operating pumps and isolate potential boron dilution paths as required by the Chapter 15 analysis. Also revise the ARIs and AOIs as needed to account for the new VCT high level alarm.</li> <li>d. Submit letter documenting that procedure changes associated with limiting the number of operating primary water pumps and isolating potential boron dilution paths have been made. [Commitment 113111705]</li> </ul>	Hilmes  Arent  Wallace  Arent	<p><b>COMPLETE</b></p> <p>December 16, 2013</p> <p>December 16, 2013</p> <p>January, 2014</p>
10.	<p>SSER Open Item 134: Modifications for Cherokee and Douglas Dams will be designed and implemented prior to WBN Unit 2 Startup. [Commitment 113880166]</p>	Williams	July 1, 2014

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**Other Submittals**

1.	As-Constructed Fire Protection Report [Commitment 113461862]	Hilmes	July 18, 2014
2.	U2 FSAR With As-Constructed Figures [Commitment 112068531]	Arent	September 12, 2014
3.	Prior to fuel load, a final report will be submitted following certain validation activities as described in the IPEEE Design Report (Enclosure 1). [Commitment 111027893]	Koontz / Enis	July 18, 2014
4.	Submit a merged U2 FSAR / U1 UFSAR [Commitment 111360889]	Licensing	April 2016
5.	As-Constructed PRA [Commitment 111029124]	Guey / Koontz	July 18, 2014
	<ul style="list-style-type: none"> <li>• Milestone – start PSA Update</li> </ul>		Complete
	<ul style="list-style-type: none"> <li>• Data Update</li> </ul>		Apr 1, 2013- Oct 31, 2013
	<ul style="list-style-type: none"> <li>• System Update</li> </ul>		Apr 1, 2013 - Feb 28, 2014
	<ul style="list-style-type: none"> <li>• Human Reliability Analysis Update</li> </ul>		Apr 1, 2013 - Feb 28, 2014
	<ul style="list-style-type: none"> <li>• Draft Quantification</li> </ul>		Feb 28, 2014 - Mar 17, 2014
	<ul style="list-style-type: none"> <li>• Independent review</li> </ul>		Mar 10, 2014 - April 4, 2014
	<ul style="list-style-type: none"> <li>• Final Quantification</li> </ul>		Apr 4, 2014 - April 30, 2014
	<ul style="list-style-type: none"> <li>• Summary Report</li> </ul>		Apr 25, 2014 - May 30, 2014
	<ul style="list-style-type: none"> <li>• Milestone – Closure Submittal to NRC</li> </ul>		June 16, 2014
6.	TMI Commitment Review Letter [Commitment 113967286]	Licensing	January 24, 2014

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## Other Submittals

7.	Letter to terminate Part 30/40 License after receipt of Part 50 License [Commitment 113967302]	Licensing	December 4, 2015
8.	ASME Section III N-3 Report [Commitment 113967305]	Crouch	September 2014
9.	Letter to NRC for notification of Vital Area Boundary Restoration [Commitment 110850749]	Licensing	January 24, 2014
10.	Unit 2 Completion Letter [Commitment 113967311]	Licensing	August 8, 2014
11.	PAM variable Calculation for EOP reviews [Commitment 113967317]	Clark	November 1, 2013
12.	TMI Action Item Status Letter	Arent	April 30, 2014
13.	Facility Operating License No. NPF Unit 2	Arent	December 12, 2013
14.	SG Alternate Repair Criteria Prepare Submittal & Submit to NRC	Goetcheus	January 7, 2015
15.	Regulatory Framework Update [for status as of 06/30/2013] [Commitment 11027916 - 02	Elton	July 23, 2013
16.	PST & IST Plans	Stockton	August 2013
17.	FSAR Amendment 110	Stockton	August 1, 2013
18.	Submit a revised final report for CDR 390/84-36 and a final report for CDR 391/84-32 to clarify that the applicable code is NFPA 13-1975	Bushnell	June 14, 2013



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## Regional Submittals

1.	Unit Differences Update Letter [Commitment 112145218 - 01]	Stockton	June 27, 2013
2.	10 CFR 50.55(e) Report - Instrument Line Slope (60 Day Update)	Bushnell	June 28, 2013
3.	10 CFR 50.55(e) Report - Commercial Grade Dedication Third Interim Report	Stockton	July 18, 2013

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<b>Fukushima</b>			
1.	NRC Order EA-12-049; Mitigating Strategies Order: Licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment and SFP cooling capabilities following a beyond-design-basis external event. Must be implemented in all modes. [Commitment 113868651]	Williams/Spink	NRC Update August 28, 2013
2.	NRC Order EA-12-049; Mitigating Strategies Order: Strategies must be capable of mitigating a simultaneous loss of all alternating current (AC) power and loss of normal access to the ultimate heat sink and have adequate capacity to address challenges to core cooling, containment, and SFP cooling capabilities at all units on a site. [Commitment 113871962]	Williams/Spink	NRC Update August 28, 2013
3.	NRC Order EA-12-049; Mitigating Strategies Order: Provide reasonable protection for the associated equipment from external events. Such protection must demonstrate that there is adequate capacity to address challenges to core cooling, containment, and SFP cooling capabilities at all units on a site. [Commitment 113871973]	Williams/Spink	NRC Update August 28, 2013
4.	NRC Order EA-12-051; Order: Licensees to provide instrumentation, able to withstand design-basis natural phenomena and remain reliable at temperature, humidity and radiation levels at saturation conditions, to monitor SFP water level from the control room. DCN 59683, Spent Fuel Pool Level Indication 10% of package [Commitment 113872005]	Williams/Spink	NRC Update August 28, 2013
5.	10 CFR 50.54 F Letter Request for Information: Submit Base Velocity and subsurface material response. [Commitment 113872017]	Williams/Spink	September 12, 2013

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## Fukushima

6.	10 CFR 50.54 F Letter Request for Information: Licensees to reevaluate the flooding hazards at their sites against current NRC requirements and guidance, and if necessary, update the design basis and SSCs important to safety to protect against the updated hazards. [Commitment 113872029]	Williams/Spink	March 2015
7.	10 CFR 50.54 F Letter Request for Information: Recommendation 9.3 requires licensees to evaluate communication and staffing needs for multi-unit events. [Commitment 113872040]	Williams/Spink	October 30, 2013
8.	WBN-1 RAI NRC Target Dates	Williams/Spink	July 17, 2013
9.	WBN SER NRC Target Dates	Williams/Spink	October 11, 2013

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## Waste Confidence

1.	TVA actions on Waste Confidence: Finalize contractor outputs on reports for Waste Confidence Plan	Vigliucci / Baker	COMPLETE
2.	Follow NRC Generic Effort Comment as appropriate		September 2013

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**Significant New Regulatory Issues**

1.	New Station Blackout Rule <ul style="list-style-type: none"> <li>• Ongoing rulemaking</li> </ul>	Hilmes	Late 2014
2.	10 CFR 50.46 Rule Change <ul style="list-style-type: none"> <li>• Oxidation limits</li> <li>• Ongoing rulemaking</li> </ul> NRC planning to tie to GSI-191 (Sump Issue)	Koontz/Westinghouse	February 28, 2016
3.	DOEL Reactor Vessel Issues NRC issue Information Notice	Hemmer	May 2013
4.	10 CFR 73 - Rulemaking on Firearms	Reynolds/Baker	End of 2014
5.	10 CFR Part 37 Physical Protection of Byproduct Material	Reynolds/Baker	TBD