

WBN2Public Resource

From: Clark, Mark Steven [msclark0@tva.gov]
Sent: Tuesday, August 16, 2011 4:25 PM
To: Hilmes, Steven A; Crouch, William D; Bryan, Robert H Jr; Smith, James D
Cc: Poole, Justin
Subject: 20110729 Open Item List Master TVA Update 08-16-11.docx
Attachments: 20110729 Open Item List Master TVA Update 08-16-11.docx

All:

Attached is the open items list. In accordance with the feedback from Norbert and Rossnyev, I closed the items on the list that were for Common Q PAMS and WINCISE. This reduced the open items to 11. Of these there are a number that should be able to be closed. I've highlighted these in dark green. These items either have simple responses that have been submitted, or have been added to the SSER Appendix HH by the NRC.

Regards,

Steve

Hearing Identifier: Watts_Bar_2_Operating_LA_Public
Email Number: 664

Mail Envelope Properties (7AB41F650F76BD44B5BCAB7C0CCABFAF1816A3AA)

Subject: 20110729 Open Item List Master TVA Update 08-16-11.docx
Sent Date: 8/16/2011 4:25:05 PM
Received Date: 8/16/2011 4:25:15 PM
From: Clark, Mark Steven

Created By: msclark0@tva.gov

Recipients:

"Poole, Justin" <Justin.Poole@nrc.gov>
Tracking Status: None
"Hilmes, Steven A" <saHilmes@tva.gov>
Tracking Status: None
"Crouch, William D" <wdcrouch@tva.gov>
Tracking Status: None
"Bryan, Robert H Jr" <rhbryan@tva.gov>
Tracking Status: None
"Smith, James D" <jdsmith@tva.gov>
Tracking Status: None

Post Office: TVANUCXVS2.main.tva.gov

Files	Size	Date & Time
MESSAGE	473	8/16/2011 4:25:15 PM
20110729 Open Item List Master TVA Update 08-16-11.docx		583541

Options

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

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
001	All	All	✓	The Watts Bar Nuclear Plant FSAR red-line for Unit 2 (Agency	12/15/2009 Presentation Slides	1. Y	Closed	Closed	EICB RAI	3/12/2010	NNC 11/19/09: The FSAR contains
002	All	All	✓	Are there I&C components and systems that have changed to a	12/15/2009 Presentation Slides	2. Y	Closed	Closed	EICB RAI	3/12/2010	NNC 11/19/09: The FSAR contains
003	All	All	✓	Because a digital I&C platform can be configured and programmed	12/15/2009 Presentation Slides	3. Y	Closed	Closed	EICB RAI	3/12/2010	NNC 11/19/09: The FSAR contains
004	All	All	✓	Please identify the information that will be submitted for each	Responder: Webb 1/13/10 Public Meeting	4. Y	Closed	Closed	EICB RAI	January 13, 2010	NNC 11/19/09: LIC-110 Rev. 1 Section
005	7.1.3.		✓	By letter date February 28, 2008 (Agencywide Documents Access	Responder: Craig/Webb	5. Y	Closed	Closed	EICB RAI	TVA Letter dated	
006			✓	Amendment 95 of the FSAR, Chapter 7.3, shows that change 7.3-1	By letter dated February 5, 2010: TVA provided the Unit 2	6. Y	Closed	Closed	EICB RAI	TVA Letter dated	NNC: WCAP-12096 Rev. 7
007	7.1.3.		✓	The setpoint methodology has been reviewed and approved by the	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 7	7. Y	Closed	Closed	EICB RAI	TVA Letter dated	TVA to provide Rev. 8 of the Unit 1
008	7.3		✓	There are several staff positions that provide guidance on setpoint	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 8	8. Y	Closed	Closed	EICB RAI	TVA Letter dated	
009	7.3.2	5.6,	✓	Change 7.3-2, identified in Watts Bar Nuclear Plant FSAR red-line	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 9	9. Y	Closed	Closed	EICB RAI	3/12/10,	
010	7.3	7.3	✓	The original SER on Watts Bar (NUREG-0847) documents that the	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 10	10. Y	Closed	Closed	EICB RAI	3/12/10,	
011	7.3.2	5.6,	✓	NUREG-0847 Supplement No. 2 Section 7.3.2 includes an	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 11	11. Y	Closed	Closed	EICB RAI	ML101680598,	
012	7.4	7.4	✓	The original SER on Watts Bar (NUREG-0847) documents that the	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 12	12. Y	Closed	Closed	EICB RAI	TVA Letter dated	
013	7.1.3.		✓	Chapter 7 and Chapter 16 of Amendment 95 to the FSAR do not	TVA Letter Dated March 12, 2010 (Enclosure 1, Item No. 13	13. Y	Closed	Closed	EICB RAI	TVA Letter dated	TS have been docketed.
014	All	All	✓	Provide the justification for any hardware and software changes	Date: 4/27/10	14. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
015			✓	Verify that the refurbishment of the power range nuclear	Date: 4/27/10	15. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
016			✓	Identify the precedents in license amendment requests (LARs), if	Date: 4/27/10	16. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
017	7.3.1	7.3.1,	✓	Identify precedents in LARs, if any, for the solid state protection	Date: 4/27/10	17. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
018			✓	Identify any changes made to any instrumentation and control	Date: 4/27/10	18. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
019			✓	Verify that the containment purge isolation radiation monitor is the	Date: 4/27/10	19. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
020			✓	Provide environmental qualification information pursuant to Section	Date: 4/27/10	20. Y	Closed	Closed	NRC Meeting	TVA Letter dated	NNC 4/30/10: SRP Section 7.0 states:
021		7.3	✓	For the Foxboro Spec 200 platform, identify any changes in	Date: 5/25/10	21. Y	Closed	Closed	NRC Meeting	TVA Letter dated	The resolution of this item will be
022	7.3.2	5.6,	✓	Verify the auxiliary feedwater control refurbishment results in a like-	Date: 4/27/10	22. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
023			✓	Provide environmental qualification (10 CFR 50.49) information for	Date: 4/27/10	23. Y	Closed	Closed	NRC Meeting	TVA Letter dated	NNC 4/30/10: SRP Section 7.0 states:
024			✓	Provide a schedule by the January 13, 2010, meeting for providing	During the January 13, 2010 meeting, TVA presented a	24. Y	Closed	Closed	NRC Meeting	N/A – Request for	NNC 4/30/10: Carte to address
025	7.5.2	7.5.1	✓	For the containment radiation high radiation monitor, verify that the	Date: 4/27/10	25. Y	Closed	Closed	NRC Meeting	ML101230248,	
026			✓	Provide environmental qualification (10 CFR 50.49) information for	Date: 4/27/10	26. Y	Closed	Closed	NRC Meeting	TVA Letter dated	NNC 4/30/10: SRP Section 7.0 states:
027	7.7.1.		✓	For Foxboro I/A provide information regarding safety/non-safety-	Date: 4/27/10	27. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
028			✓	For the turbine control AEH system, verify that the refurbishment	Responder: Mark Scansen	28. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
029			✓	For the rod control system, verify that the refurbishment results in a	Date: 4/27/10	29. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
030			✓	Regarding the refurbishment of I&C equipment, identify any	Responder: Clark	30. Y	Closed	Closed	NRC Meeting	TVA Letter dated	
031			✓	For the rod position indication system (CERPI), provide information	Date: 4/27/10	31. Y	Closed	Closed	NRC Meeting	TVA Letter dated	CERPI is non-safety related.
032			✓	For the process computer, need to consider cyber security issues	Date: 4/27/10	32. Y	Closed	Closed	NRC Meeting	TVA Letter dated	EICB will no longer consider cyber
033			✓	For the loose parts monitoring system, provide information	Date: 4/27/10	33. Y	Closed	Closed	NRC Meeting	TVA Letter dated	The loose parts monitoring system is
034			✓	2/4/2010	Responder: TVA	34. Y	Closed	Closed	N/A	TVA Letter dated	
034.			✓	Chapter 7.1 – Introduction		35. Y	Closed	Closed	N/A	N/A	
034.			✓	Chapter 7.2 - Reactor Trip System		36. Y	Closed	Closed	N/A	N/A	
034.	7.3	7.3	✓	Chapter 7.3 – ESFAS		37. Y	Closed	Closed	N/A	N/A	
034.	7.5.1.	7.5.2	✓	Chapter 7.5 - Instrumentation Systems Important to Safety		38. Y	Closed	Closed	N/A	N/A	Closed
034.	7.5.1.	7.5.2	✓	Chapter 7.6 - All Other Systems Required for Safety		39. Y	Closed	Closed	N/A	N/A	Closed
034.			✓	Chapter 7.7 Control Systems		40. Y	Closed	Closed	N/A	N/A	
035			✓	2/18/2010	Responder: Clark	41. Y	Closed	Closed	RAI No. 1	TVA Letter dated	LIC-110 Section 6.2.2 states: "Design
036	7.5.2	7.5.1	✓	February 18, 2010	Date: 5/25/10	42. Y	Closed	Closed	NRC Meeting		NNC: Unit 2 FSAR Section 7.5.1, "Post
037	7.5.1.	7.5.2	✓	2/18/2010	Responder: Clark Date: 5/25/10	43. Y	Closed	Closed	N/A	TVA Letter dated	FSAR Amendment 100 provides

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
038	7.5.1.	7.5.2	~>	2/18/2010	Responder: Clark Date: 5/25/10	44. Y	Closed	Closed	EICB RAI	TVA Letter dated	The slides presented at the December
039			~>	January 13, 2010	Responder: Clark Date: 5/25/10	45. Y	Closed	Closed	EICB RAI	FSAR amendment	The equation for the calculation of the
040			~>	January 13, 2010	Responder: Clark Date: 5/25/10	46. Y	Closed	Closed	EICB RAI EICB RAI	FSAR amendment	The equation for the calculation of the
041	7.5.2	7.5.1	~>	2/19/2010	Responder: WEC	47. N	Closed	Closed	NRC Meeting	TVA Letter dated	See also Open Item Nos. 226 & 270.
042	All	All	~>	February 25, 2010: Telecom	Date: 5/25/10	48. Y	Closed	Closed	EICB RAI	TVA Letter dated	The drawing provided did not have the
043	7.5.2	7.5.1	~>	2/19/2010	Responder: WEC	49. N	Closed	Closed	EICB RAI	TVA Letter dated	NNC 8/25/10: A CQ PAMS ISG6
044	7.5.2	7.5.1	~>	February 25, 2010	Date: 5/25/10	50. Y	Closed	Closed	EICB RAI	TVA Letter dated	
045			~>	February 25, 2010	Date: 5/25/10	51. Y	Closed	Closed	EICB RAI	TVA Letter dated	
046			~>	February 25, 2010	Date: 5/25/10	52. Y	Closed	Closed	N/A – Request for	N/A	
047	7.5.2	7.5.1	~>	4/8/2010	Responder: WEC/Hilmes Date: 5/25/10	53. Y	Closed	Closed	EICB RAI	TVA Letter dated	
048	7.5.2	7.5.1	~>	April 8, 2010	Date: 5/25/10	54. Y	Closed	Closed	EICB RAI	TVA Letter dated	
049	7.5.2	7.5.1	~>	4/8/2010	Responder: WEC Date: 5/25/10	55. Y	Closed	Closed	EICB RAI	TVA Letter dated	
050	7.5.2	7.5.1	~>	4/8/2010	Responder: WEC Date: 5/25/10	56. N	Closed	Closed	EICB RAI	TVA Letter dated	NNC 11/18/10: SysRS Rev. 2 contains
051			~>	April 15, 2010	Date: 5/25/10	57. Y	Closed	Closed	N/A	N/A	Review addressed by another Open
052	7.5.2	7.5.1	~>	April 19, 2010	Date: 5/25/10	58. Y	Closed	Closed	RAI No. 12		
053	7.5.2	7.5.1	~>	April 19, 2010	Date: 5/25/10	59. Y	Closed	Closed	RAI No. 13		
054	7.5.2	7.5.1	~>	4/19/2010	Responder: Slifer/Clark Date: 5/25/10	60. Y	Closed	Closed	RAI No. 14	TVA Letter dated	
055	7.5.2	7.5.1	~>	4/19/2010	Responder: Slifer/Clark Date: 5/25/10	61. Y	Closed	Closed	RAI No. 15	TVA Letter dated	
056			~>	April 19, 2010	Date: 5/25/10	62. Y	Closed	Closed	RAI No. 16	TVA Letter dated	Sorrento Radiation Monitoring
057	7.5.2	7.5.1	~>	4/19/2010	Responder: TVA I&C Staff Date: 5/25/10	63. Y	Closed	Closed	RAI No. 17	TVA Letter dated	
058	7.5.0	7.5	~>	April 19, 2010	Date: 5/25/10	64. Y	Closed	Closed	RAI No. 18	TVA Letter dated	
059	7.5.2	7.5.1	~>	April 19, 2010	Date:	65. Y	Closed	Closed	RAI No. 19	TVA Letter dated	
060	7.5.2	7.5.1	~>	April 19, 2010	Date: 5/25/10	66. Y	Closed	Closed	N/A	N/A	Addressed by Open Item No. 47
061	7.5.2	7.5.1	~>	April 19, 2010	Date: 5/25/10	67. Y	Closed	Closed	N/A	N/A	Addressed by Open Item No. 48
062	7.5.2	7.5.1	~>	April 19, 2010	Date: 5/25/10	68. Y	Closed	Closed	N/A	N/A	Addressed by Open Item No. 49
063	7.5.2	7.5.1	~>	April 19, 2010	Date: 5/25/10	69. Y	Closed	Closed	N/A	N/A	Addressed by Open Item No. 50
064	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: Webb Date: 4/8/2010	70. Y	Closed	Closed	N/A - No question	TVA Letter dated	
065	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	71. Y	Closed	Closed	N/A - No question	TVA Letter dated	
066	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	72. Y	Closed	Closed	N/A - No question	TVA Letter dated	
067	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	73. Y	Closed – See ML111150287	Closed	N/A - No question	TVA Letter dated	
068	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	74. Y	Closed – See ML111150287	Closed	N/A - No question	TVA Letter dated	
069	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	75. Y	Closed – See ML111150287	Closed	N/A - No question	N/A	
070	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	76. N	Closed	Closed	N/A - No question	TVA Letter dated	NNC 11/23/10: The dues date in this
071	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	77. N	Closed	Closed	N/A - No question	N/A	NNC 11/23/10: The dues date in this
072	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	78. Y	Closed	Closed	N/A - No question	N/A	
073	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	79. N	Closed	Closed	N/A - No question	N/A	
074	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	80. Y	Closed – See ML111150287	Closed	N/A - No question	N/A	Rev. 4 will be available for the NRC
075	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	81. N	Closed	Closed	N/A - No question	N/A	
076	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: Clark Date: 5/25/10	82. Y	Closed	Closed	N/A - No question	N/A	
077	7.5.2	7.5.1	~>	By letter dated March 12, 2010 TVA stated that the target submittal	Responder: WEC Date: 5/25/10	83. Y	Closed	Closed	N/A - No question	TVA Letter dated	
078			~>	4/26/2010	Responder: Clark Date: 5/25/10	84. Y	Closed	Closed	EICB RAI	TVA Letter dated	
079			~>	4/26/2010	Responder: Clark Date: 5/25/10	85. Y	Closed	Closed	EICB RAI	TVA Letter dated	Reviewed under Item 154
080			~>	4/26/2010	Responder: WEC	86. Y	Closed	Closed	RAI No. 2	TVA Letter dated	

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
081	7.5.2	7.5.1	U	5/6/2010	Responder: Merten/WEC	87. N	Open	Closed	EICB RAI	TVA Letter dated	NNC 1/5/11: See Also Open Item No.
082	7.5.2	7.5.1	U	5/6/2010	Responder: WEC Date: 6/18/10	88. N	Closed	Closed	EICB RAI	TVA Letter dated	NNC 11/18/10: See also Open Item No.
083	7.5.2	7.5.1	U	May 6, 2010	Date: 6/18/10	89. Y	Closed	Closed	EICB RAI	TVA Letter dated	
084	7.5.2	7.5.1	U	May 6, 2010	Date: 6/18/10	90. Y	Closed	Closed	EICB RAI	TVA Letter dated	
085	7.5.2	7.5.1	U	5/6/2010	Responder: WEC	91. N	Closed	Closed	EICB RAI		
086	7.5.2	7.5.1	U	5/6/2010	Responder: WEC Date: 5/24/10	92. N	Open	Closed	EICB RAI	TVA Letter dated	NNC 1/6/11: See Also Open Item No.81
087	7.5.2	7.5.1	S	May 6, 2010	Date: 5/24/10	93. Y	Closed	Closed	RAI No. 20	TVA Letter dated	
088	7.5.2	7.5.1	S	May 6, 2010	Date: 5/24/10	94. Y	Closed	Closed	RAI No. 21	TVA Letter dated	
089			U	5/6/2010	Responder: Clark	95. Y	Closed	Closed	EICB RAI	TVA Letter dated	NNC: Docketed response states that
090			U	5/6/2010	Responder: Clark Date: 5/25/10	96. Y	Closed	Closed	EICB RAI	TVA Letter dated	
091	7.4	7.4	D S	May 20, 2010	Date: 5/25/10	97. Y	Closed	Closed	EICB RAI No.1	TVA Letter dated	
092			P	5/20/2010	Responder: Hilmes	98. Y	Open	Closed			Continuous review as items are added
093			U	May 20, 2010	Date: 5/25/10	99. Y	Closed	Closed	N/A	N/A	Will be reviewed under item 154
094			U	5/20/2010	Responder: Clark Date: 5/25/10	100. Y	Closed	Closed	N/A	N/A	Information was found in FSAR
095	7.8.1,	XX	D S	May 20, 2010	Date:	101. Y	Closed	Closed	EICB RAI No. 2	TVA Letter dated	
096	7.7.5	XX	D S	5/20/2010	Responder:	102. Y	Closed	Closed	EICB RAI No.3	TVA Letter dated	
097	7.4.2	7.4	D S	May 20, 2010	Date:	103. Y	Closed	Closed	EICB RAI No.4	TVA Letter dated	
098	7.4.2	7.4	D S	May 25, 2010	Date:	104. Y	Closed	Closed	EICB RAI No.5	TVA Letter dated	
099			D S	April 12, 2010	Date:	105. Y	Closed	Closed			Closed to Item 129
100			U	5/20/2010	Responder: WEC	106. Y	Closed	Closed	N/A - No question	N/A	
102			U	May 24, 2010	Date: 5/24/10	107. Y	Closed	Closed	N/A	TVA Letter dated	Request for schedule not information.
103	7.4	7.4	D S	5/27/2010	Responder: Ayala Date: 5/27/10	108. Y	Closed	Closed	EICB RAI No.1	TVA Letter dated	Submittal date is based on current
104	7.4	7.4	D S	5/27/2010	Responder: Merten Date: 5/27/10	109. Y	Closed	Closed	EICB RAI No.1	TVA Letter dated	Submittal date is based on current
105			U	April 29, 2010	Date:	110. Y	Closed	Closed	N/A	N/A	Will be reviewed under item 154.
106			S	May 6, 2010	Date: 5/25/10	111. Y	Closed	Closed	RAI No. 9	TVA Letter dated	
107			S	May 6, 2010	Date: 5/28/10	112. Y	Closed	Closed	RAI No. 22	TVA Letter dated	
108			U	May 6, 2010	Date: 5/25/10	113. Y	Closed	Closed	N/A	N/A	Will be reviewed under OI#154
109.	7.8	XX	D S	5/6/2010	Responder: N/A	114. Y	Closed	Closed	N/A	N/A	
109.			U	5/6/2010	Responder: N/A	115. Y	Closed	Closed	N/A	N/A	Duplicate of another open Item.
110			U	May 6, 2010	Date:	116. Y	Closed	Closed	N/A	N/A	Information was found.
111			U	May 6, 2010	Date: 5/28/10	117. Y	Closed	Closed	N/A	TVA Letter dated	Request to help find, not a request for
112			U	June 1, 2010	Date:	118. Y	Closed	Closed	N/A	N/A	Information was received
113			U	6/1/2010	Responder: Clark	119. Y	Closed	Closed	EICB RAI	TVA Letter dated	
114	7.2	7.2	U	6/1/2010	Responder: WEC	120. Y	Close	Closed	EICB RAI	TVA Letter dated	
115			U	2/25/2010	Responder: Clark	121. Y	Closed	Closed	EICB RAI	TVA Letter dated	
116			U	6/3/2010	Responder: WEC	122. Y	Closed	Closed	EICB RAI	TVA Letter dated	Letter sent to Westinghouse requesting
117	7.1	7.1	U	6/3/2010	Responder: Hilmes	123. Y	Closed	Closed	EICB RAI	TVA Letter dated	
118	7.4	7.4	D S	6/8/2010	Responder: Merten	124. Y	Closed	Closed	EICB RAI No.1	TVA Letter dated	Submittal date is based on current
119			S	June 10, 2010	Date:	125. Y	Closed	Closed	RAI No. 23	TVA Letter dated	
120			U	5/6/2010	Responder: Hilmes/Merten/Costley	126. Y	Closed	Closed	EICB RAI	TVA Letter dated	
121			U	5/6/2010	Responder: Webb/Webber	127. Y	Closed	Closed	EICB RAI	TVA Letter dated	
122			U	June 14, 2010	Date:	128. Y	Closed	Closed	N/A - Request for	N/A	
123	7.7.3	7.4.1,	D S	6/14/2010	Responder:	129. Y	Closed	Closed	ML101720589,	TVA Letter dated	

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
124	7.7.5	XX	☐ ☐	6/14/2010	Responder:	130. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
125	7.7.8	7.7.1.12	☐ ☐	6/14/2010	Responder:	131. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
126	7.8	7.8	☐ ☐	June 14, 2010	Date:	132. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
127	7.2	7.2	☐ ☐	6/16/2010	Responder: WEC/Clark	133. Y	Closed	Closed	EICB RAI	TVA Letter dated	
128	7.2	7.2	☐ ☐	6/18/2010	Responder: WEC Drake /TVA Craig	134. Y	Closed	Closed	EICB RAI	TVA Letter dated	Track through SE open item
129			☐ ☐	6/12/2010	Responder: WEC	135. Y	Closed	Closed	N/A	TVA Letter dated	
130			☐ ☐	6/28/2010	Responder: Clark	136. Y	Closed	Closed	N/A	TVA Letter dated	
131			☐ ☐	6/28/2010	Responder: Clark	137. Y	Closed	Closed	N/A	TVA Letter dated	
132			☐ ☐	6/28/2010	Responder: Clark	138. Y	Closed	Closed	N/A	TVA Letter dated	
133			☐ ☐	6/28/2010	Responder: Clark	139. Y	Closed	Closed		TVA Letter dated	
134			☐ ☐	6/28/2010	Responder: Clark	140. Y	Closed	Closed		TVA Letter dated	
135	7.3.1	7.3.1	☐ ☐	6/30/2010	Responder: Clark	141. Y	Closed	Closed	RAI not necessary	TVA Letter dated	
136	7.3.2,	7.4, 5.6,	☐ ☐	6/30/2010	Responder: Clark	142. Y	Closed	Closed	RAI not necessary	TVA Letter dated	
137			☐ ☐	Several WBN2 PAMS documents contain a table titled, "Document	Responder: WEC	143. Y	Closed	Closed	ML101650255, Item	TVA Letter dated	
138			☐ ☐	By letter dated February 3, 2010, Westinghouse informed TVA that	Responder: WEC	144. N	Closed – See ML111150287	Closed	ML101650255, Item		See also No. 82.
139			☐ ☐	The WBN2 PAMS System Requirements Specification (WBN2	Responder: WEC	145. Y	Closed	Closed	ML101650255, Item	TVA Letter dated	WBN2 PAMS System Requirements
140			☐ ☐	The first requirement in the WBN2 PAMS SysRS (i.e., R2.2-1)	Responder: Clark	146. N	Closed	Closed	ML101650255, Item	TVA Letter dated	WBN2 PAMS System Requirements
141			☐ ☐	Deleted by DORL	Date:	147. Y	Closed	Closed	ML101650255, Item		WBN2 PAMS System Requirements
142			☐ ☐	The applicable regulatory guidance for reviewing the WBN2 PAMS	Responder: WEC	148. N	Closed	Closed	ML101650255, Item		WBN2 PAMS System Requirements
143			☐ ☐	The WBN2 PAMS Software Requirements Specification (WBN2	Responder: WEC	149. N	Closed	Closed	ML101650255, Item		WBN2 PAMS System Requirements
144			☐ ☐	The WBN2 PAMS Software Requirements Specification (WBN2	Responder: WEC	150. N	Closed	Closed	ML101650255, Item	TVA Letter dated	WBN2 PAMS Software Requirements
145			☐ ☐	The WBN2 PAMS System Design Specification (WBN2 PAMS	Responder: WEC	151. N	Closed	Closed	ML101650255, Item		WBN2 PAMS System Design
146			☐ ☐	6/17/2010	Responder:	152. Y	Closed	Closed	ML101650255, Item		PAMS System Requirements
147			☐ ☐	6/17/2010	Responder:	153. Y	Closed	Closed	ML101650255, Item		PAMS System Requirements
148			☐ ☐	6/17/2010	Responder:	154. Y	Closed	Closed	ML101650255, Item		PAMS System Requirements
149	7.2	7.2	☐ ☐	FSAR Section 7.1.1.2(2), Overtemperature delta T and	Responder: Tindell	155. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
150	7.2	7.2	☐ ☐	Many of the changes were based on the Westinghouse document	Responder: Clark	156. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
151	7.2	7.2	☐ ☐	Provide the EDCR 52378 and 54504 which discusses the basis for	Responder: Clark	157. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
152	7.2	7.2	☐ ☐	Deleted portion of FSAR section 7.2.3.3.4 and moved to FSAR	Responder: Merten/Clark	158. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
153	7.2	7.2	☐ ☐	FSAR section 7.2.1.1.7 added the reference to FSAR section	Responder: Craig/Webb	159. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
154	7.2	7.2	☐ ☐	FSAR section 7.2.1.1.10, setpoints: NRC staff has issued RIS	Responder: Craig/Webb	160. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	EICB RAI ML102861885 sent to DORL
155	7.2	7.2	☐ ☐	Summary of FSAR change document section 7.2 states that	Date:	161. Y	Closed	Closed	ML101720589, Item		
156	7.2	7.2	☐ ☐	FSAR section 7.2.2.1.1 states that dashed lines in Figure 15.1-	Responder: WEC	162. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	Response on hold pending
157	7.2	7.2	☐ ☐	FSAR section 7.2.2.1.1, fifth paragraph was deleted except for the	Responder: Tindell	163. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
158	7.2	7.2	☐ ☐	FSAR section 7.2.2.1.1, paragraph six was changed to state that	Responder: Tindell	164. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
159	7.2	7.2	☐ ☐	FSAR section 7.2.2.1.2 discusses reactor coolant flow	Responder: Craig	165. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
160	7.2	7.2	☐ ☐	FSAR section 7.2.2.2(7) deleted text which has references 12 and	Responder: Tindell	166. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
161	7.2	7.2	☐ ☐	FSAR section 7.2.2.3 states that changes to the control function	Responder: Clark	167. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
162	7.2	7.2	☐ ☐	FSAR section 7.2.2.2(14) states that bypass of a protection	Responder: Tindell	168. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
163	7.2	7.2	☐ ☐	Deleted by DORL	Date:	169. Y	Closed	Closed	ML101720589, Item		
164	7.2	7.2	☐ ☐	FSAR section 7.2.2.2(20) has been revised to include the plant	Responder: Perkins	170. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	Item No. 8 sent to DORL
165	7.2	7.2	☐ ☐	FSAR section 7.2.2.3.2, last paragraph of this section has been	Responder: Clark	171. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	
166	7.2	7.2	☐ ☐	Changes to FSAR section 7.2.2.2(20) are justified based on the	Responder: Clark	172. Y	Closed	Closed	ML101720589, Item	TVA Letter dated	

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
167	7.2	7.2	U	FSAR section 7.2.2.4, provide an analysis or reference to chapter	Responder: Clark	173. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
168	7.2	7.2	U	FSAR table 7.2-4, item 9 deleted loss of offsite power to station	Responder: Clark	174. Y	Close	Closed	ML101720589, Item	TVA Letter dated	
169			U	6/18/2010	Responder: Clark	175. Y	Closed	Closed			
170			U	6/17/2010	Responder: Clark	176. Y	Closed	Closed			
171	7.2	7.2	U	6/17/2010	Responder: Craig	177. Y	Closed	Closed	EICB RAI	TVA Letter dated	Closed to SE Open Item
172			U	6/17/2010	Responder: Craig	178. Y	Closed	Closed	EICB RAI		
173	7.1	7.1	U	6/17/2010	Responder: Craig/Webb/Powers	179. Y	Closed	Closed	EICB RAI		
174			U	6/28/2010	Responder: Hilmes/Craig	180. Y	Closed	Closed	EICB RAI		
175			U	June 28, 2010	Responder:	181. Y	Closed	Closed	EICB RAI		
176	7.1	7.1	U	6/28/2010	Responder: Craig/Webb	182. Y	Closed	Closed	EICB RAI		
177	7.5.2.	7.5.1	U	7/15/2010	Responder: Clark	183. Y	Closed	Closed	N/A	TVA Letter dated	RAI not required
178	7.5.2.	7.5.1	U	7/15/2010	Responder: Clark	184. Y	Closed	Closed	N/A	TVA Letter dated	RAI not required
179			U	An emphasis is placed on traceability in System Requirements	Responder: WEC	185. Y	Closed	Closed	N/A – Closed to	NA	
180			U	The SRP, BTP 7-14, Section B.3.3.1 states that Regulatory Guide	Responder: WEC	186. Y	Closed	Closed	N/A – Closed to	NA	
181			U	An emphasis is placed on traceability in System Requirements	Responder: WEC	187. Y	Closed	Closed	N/A – Closed to	NA	
182			U	Characteristics that the SRP states that a Software Requirements	Responder: WEC	188. Y	Closed	Closed	N/A – Closed to	NA	
183			U	7/15/2010	Responder: WEC	189. Y	Closed	Closed	EICB RAI	TVA Letter dated	
184			U	7/15/2010	Responder: WEC	190. Y	Closed	Closed	N/A – Closed to	N/A	
185			U	7/15/2010	Responder: WEC	191. N	Closed	Closed	EICB RAI		
186	7.7.8	7.7.1.12	U	7/15/2010	Responder: Perkins/Clark	192. Y	Closed	Closed	EICB RAI No.6	TVA Letter dated	
187			U	By letter dated June 18, 2010, TVA docketed responses to NRC	Responder: Merten	193. N	Closed	Closed	ML101970033, Item	TVA Letter dated	Are these connections already
188			U	By letter dated June 30, 2010, TVA docketed, "Tennessee Valley	Responder: Clark	194. Y	Closed	Closed	ML101970033, Item	TVA Letter dated	
189		7.6.7	U	7/20/2010	Responder: Clark	195. Y	Closed	Closed	RAI No. 3	TVA Letter dated	
190	7.9		U	FSAR Table 7.1-1 states: "Regulatory Guide 1.133, May 1981	Responder: Clark	196. Y	Closed	Closed	RAI No. 4	TVA Letter dated	Closed to OI-331.
191	7.9		U	NUREG-0800 Chapter 7, Section 7.9, "Data Communication	Responder: Jimmie Perkins	197. Y	Closed	Closed	ML10197016, Item	TVA Letter dated	
192	7.5.1.	7.5.2	U	The NRC Staff is using SRP (NUREG-0800) Chapter 7 Section	Responder: Clark	198. Y	Closed	Closed	Item No. 1 sent to	TVA Letter dated	EICB RAI ML1028618855 sent to
193	7.5.1.	7.5.2	U	The WBU2 FSAR, Section 7.5.2, "Plant Computer System,"	Responder: Clark	199. Y	Closed	Closed	Item No. 2 sent to	TVA Letter dated	EICB RAI ML1028618855 sent to
194	7.5.1.	7.5.2.1	U	The WBU2 FSAR Section 7.5.2.1, "Safety Parameter Display	Responder: Costley/Norman	200. Y	Closed	Closed	Item No. 3 sent to	TVA Letter dated	EICB RAI ML1028618855 sent to
195	7.5.1.	7.5.2.2	U	Bypassed and Inoperable Status Indication (BISI)	Responder: Costley/Norman	201. Y	Closed	Closed	Item No. 4 sent to	TVA Letter dated	EICB RAI ML1028618855 sent to
196	7.5.1.	7.5.2.2	U	Bypassed and Inoperable Status Indication (BISI)	Responder: Costley/Norman	202. Y	Closed	Closed	Item No. 5 sent to	TVA Letter dated	EICB RAI ML1028618855 sent to
197			X	Open Item 197 was never issued.		203. Y	Closed	Closed			
198	7.5.1.	7.5.2.2	U	SRP Section 7.5, Subsection III, "Review Procedures" states:	Responder: Costley/Norman	204. Y	Closed	Closed	Item No. 6 sent to	TVA Letter dated	EICB RAI ML1028618855 sent to
199	7.5.1.	7.5.2.3	U	The WBU2 FSAR Section 7.5.2.3, "Technical Support Center and	Responder: Costley/Norman	205. Y	Closed	Closed	Item No. 7 sent to	TVA Letter dated	Related SE Section 7.5.5.3 EICB RAI
200	7.2			7/21/2010	Responder: Clark	206. Y	Closed	Closed	EICB RAI	TVA Letter dated	
201	7.7.1.	7.7.11	U	7/21/2010	Responder: Webb	207. Y	Closed	Closed	EICB RAI	TVA Letter dated	
202	7.5.2		U	7/22/2010	Responder: WEC	208. N	Open	Closed	EICB RAI	TVA Letter dated	NNC 1/5/11: See Also Open Item No.
203	7.5.1.	7.5.2	U	7/26/2010	Responder: Clark	209. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
204	7.5.1.	7.5.2	U	7/26/2010	Responder: Costley/Norman	210. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
205			U	7/26/2010	Responder: Clark	211. Y	Closed	Closed	EICB RAI	TVA Letter dated	Question B related to prior NRC
206	7.5.1.	7.5.2	U	7/27/2010	Responder: Clark	212. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
207			U	July 27, 2010	Date:	213. Y	Closed	Closed			
208	7.5.2.	7.5.1	U	7/27/2010	Responder: Clark	214. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
209	7.5.2.	7.5.1	U	7/27/2010	Responder: Clark	215. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
210	7.5.2.	7.5.1	— ≥	7/27/2010	Responder: Clark	216. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
211	7.5.1.		— 0	7/27/2010	Responder: Clark	217. Y	Closed	Closed	EICB RAI	TVA Letter dated	Relates to SE Sections:
212	7.5.2		— 0	7/27/2010	Responder: WEC	218. N	Open	Closed	EICB RAI		
213	7.5.2		— 0	7/27/2010	Responder: WEC	219. N	Closed	Closed	EICB RAI		
214			— 0	7/27/2010	Responder: WEC	220. Y	Closed	Closed	EICB RAI	TVA Letter dated	
215			— P	7/29/2010	Responder: WEC	221. Y	Closed	Closed			
216	7.5.1.	7.5.2	— ≥	7/29/2010	Responder: Clark	222. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
217			— 0	7/6/2010	Responder: Clark	223. Y	Close	Closed	EICB RAI	TVA Letter dated	
218			— 0	7/6/2010	Responder: Clark	224. Y	Closed	Closed	EICB RAI	TVA Letter dated	
219			— 0	8/4/2010	Responder: TVA Licensing	225. Y	Closed	Closed	EICB RAI		
220			— 0	8/4/2010	Responder: Ayala	226. Y	Closed	Closed	EICB RAI	TVA Letter dated	
221	7.7.1.	7.7.1.3	— ≥	8/4/2010	Responder: Trelease	227. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
222			— 0	8/4/2010	Responder: Clark	228. Y	Close	Closed	EICB RAI	TVA Letter dated	
223			— 0	8/4/2010	Responder: Clark	229. Y	Closed	Closed	EICB RAI		
224	7.5.1.	7.5.2	— ≥	8/4/2010	Responder: Norman (TVA CEG)	230. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
225			— 0	8/4/2010	Responder: Scansen	231. Y	Close	Closed	EICB RAI	TVA Letter dated	
226			— 0	8/4/2010	Responder: TVA Licensing	232. Y	Closed	Closed	N/A – Information	TVA Letter dated	See also Open Item Nos. 41 & 270.
227			— 0	8/4/2010	Responder: Clark	233. Y	Close	Closed	EICB RAI	TVA Letter dated	
228			— 0	8/4/2010	Responder: Clark	234. Y	Closed	Closed	EICB RAI	TVA Letter dated	
229			— 0	8/4/2010	Responder: Clark	235. Y	Closed	Closed	EICB RAI	TVA Letter dated	
230			— 0	8/4/2010	Responder: Webb	236. Y	Closed	Closed	EICB RAI	TVA Letter dated	
231			— 0	8/4/2010	Responder: Clark	237. Y	Closed	Closed	EICB RAI	TVA Letter dated	
232			— S	8/4/2010	Responder: Clark	238. Y	Closed	Closed	RAI No. 5	TVA Letter dated	
233			— 0	8/4/2010	Responder: Clark	239. Y	Closed	Closed	EICB RAI	TVA Letter dated	
234			— 0	8/4/2010	Responder:	240. Y	Closed	Closed	N/A – Duplicate	N/A	
235			— 0	8/4/2010	Responder: TVA Licensing	241. Y	Closed	Closed	N/A	N/A	
236			— 0	8/4/2010	Responder: Clark	242. Y	Close	Closed	EICB RAI	TVA Letter dated	
237			— 0	8/4/2010	Responder: Clark	243. Y	Closed	Closed	EICB RAI	TVA Letter dated	
238			— 0	8/4/2010	Responder: Webb/Hilmes	244. Y	Closed	Closed	N/A – Duplicate	N/A	
239			— 0	8/4/2010	Responder: Hilmes	245. Y	Closed	Closed	N/A – Meeting	N/A	
240			— 0	8/4/2010	Responder: Clark	246. Y	Close	Closed	MI102910008	TVA Letter dated	
241			— S	8/4/2010	Responder: Davies	247. Y	Closed	Closed	RAI No. 10	TVA Letter dated	
242			— 0	8/4/2010	Responder: Hilmes	248. Y	Close	Closed	EICB RAI	TVA Letter dated	
243			— 0	8/3/2010	Responder: WEC	249. Y	Closed	Closed	N/A – Closed to	N/A	
244			— 0	8/3/2010	Responder: WEC	250. N	Closed	Closed	EICB RAI	Response is	LIC-101 Rev. 3 Appendix B Section 4,
245			— 0	8/3/2010	Responder: WEC	251. N	Closed	Closed	EICB RAI		LIC-101 Rev. 3 Appendix B Section 4,
246			— 0	8/3/2010	Responder: WEC	252. N	Closed	Closed	EICB RAI	Response is	LIC-101 Rev. 3 Appendix B Section 4,
247			— 0	8/8/2010	Responder: WEC	253. Y	Closed	Closed	EICB RAI	Response is	LIC-101 Rev. 3 Appendix B Section 4,
248			— 0	8/8/2010	Responder: WEC	254. Y	Closed	Closed		Response is	LIC-101 Rev. 3 Appendix B Section 4,
249			— 0	8/8/2010	Responder: WEC	255. Y	Closed	Closed			LIC-101 Rev. 3 Appendix B Section 4,
250			— 0	8/8/2010	Responder: WEC	256. N	Closed	Closed			LIC-101 Rev. 3 Appendix B Section 4,
251			— 0	8/8/2010	Responder: WEC	257. N	Closed	Closed			LIC-101 Rev. 3 Appendix B Section 4,
252			— 0	8/8/2010	Responder: WEC	258. N	Closed	Closed			LIC-101 Rev. 3 Appendix B Section 4,

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
253			U	8/8/2010	Responder: Clark	259. Y	Closed	Closed		TVA Letter dated	Related to Open Item no. 83.
254			U	8/10/2010	Responder: WEC	260. Y	Closed	Closed	N/A - Request to	TVA Letter dated	
255			U	8/10/2010	Responder: WEC	261. Y	Closed	Closed	N/A - Request to	TVA Letter dated	
256			U	8/10/2010	Responder: WEC	262. Y	Closed	Closed	N/A - Request to	TVA Letter dated	
257			U	8/10/2010	Responder: WEC	263. Y	Closed	Closed	N/A - Request to	N/A	
258			U	8/10/2010	Responder: WEC	264. Y	Closed	Closed	N/A - Request to	N/A	
259			U	8/10/2010	Responder: WEC	265. Y	Closed	Closed	N/A - Request to	TVA Letter dated	
260			U	8/10/2010	Responder: WEC	266. Y	Closed	Closed	N/A - Request to	N/A	
261			U	8/10/2010	Responder: WEC	267. Y	Closed	Closed	N/A - Closed to	TVA Letter dated	LIC-110 Rev. 1 Section 6.2.2 states:
262			U	8/10/2010	Responder: WEC	268. Y	Closed	Closed	N/A - Request to	N/A	
263			U	8/11/2010	Responder: WEC	269. Y	Closed	Closed	ML101650255, Item		
264			U	8/11/2010	Responder: WEC	270. Y	Closed	Closed	ML101650255, Item		
265			U	8/11/2010	Responder: WEC	271. Y	Closed	Closed	ML101650255, Item		
266			U	8/11/2010	Responder: Webb/Webber	272. Y	Closed	Closed		TVA Letter dated	
267			U	8/11/2010	Responder: WEC	273. Y	Closed	Closed			
268			U	8/19/2010	Responder: WEC	274. N	Closed	Closed			
269			U	8/20/2010	Responder: NRC	275. Y	Closed	Closed	N/A	N/A	
270			U	8/23/2010	Responder: Clark	276. Y	Closed	Closed			See also Open Item Nod. 41 & 245.
271			U	8/23/2010	Responder: WEC	277. Y	Closed	Closed	N/A - Closed to	NA	
272	7.5.2.	7.5.1	U	8/26/2010	Responder: Clark	278. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
273	7.5.2.	7.5.1	U	8/26/2010	Responder: Clark	279. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
274.			U	8/26/2010	Responder: Stockton	280. Y	Closed	Closed	RAI No. 6	TVA Letter dated	
274.	7.5.2.	7.5.1	U	8/26/2010	Responder: Clark	281. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
275			U	8/27/2010	Responder: Clark	282. Y	Closed	Closed	Not Required	N/A	
276	7.6	7.6	U	8/27/2010	Responder: Webb	283. Y	Closed	Closed	EICB RAI	TVA Letter dated	
277	7.6	7.6.3	U	8/27/2010	Responder: Clark	284. Y	Close	Closed	EICB RAI	TVA Letter dated	
278	7.6	7.6.6	U	8/27/2010	Responder: Trelease	285. Y	Close	Closed	EICB RAI	TVA Letter dated	
279	7.6	7.6.6	U	8/27/2010	Responder: Mather	286. Y	Close	Closed	EICB RAI	TVA Letter dated	
280	7.6	7.6.6	U	8/27/2010	Responder: Trelease	287. Y	Closed	Closed	EICB RAI	TVA Letter dated	
281	7.6	7.6.8	U	8/27/2010	Responder: Webb	288.	Closed	Closed	EICB RAI	TVA Letter dated	
282	7.6	7.6.9	U	8/27/2010	Responder: Trelease	289. Y	Close	Closed	EICB RAI	TVA Letter dated	
283	7.7.5	XX	U	8/27/2010	Responder: Clark	290. Y	Closed	Closed	EICB RAI No.13	TVA Letter dated	This item is a follow-up question to item
284	7.7.3	7.4.1	U	8/27/2010	Responder: Webber	291. Y	Closed	Closed	EICB RAI No.14	TVA Letter dated	This item is a follow-up question to item
285	7.3.3	7.3	U	8/27/2010	Responder: McNeil	292. Y	Closed	Closed	EICB RAI No.15	TVA Letter dated	This item is a follow-up question to item
286	7.7.3	9.3.4.2.4	U	8/27/2010	Responder: Webber	293. Y	Closed	Closed	EICB RAI No.16	TVA Letter dated	
287	7.3	7.3-1	U	8/27/2010	Responder: Elton	294. Y	Closed	Closed	ML102390538, Item	Response	
288	7.3		U	9/2/2010	Responder: McNeil	295. Y	Closed	Closed	EICB RAI		
289			U	9/2/2010	Responder: Faulkner	296. Y	Closed	Closed	RAI No. 24	TVA Letter dated	
290		7.7	U	9/7/2010	Responder: Clark	297. Y	Closed	Closed	N/A	N/A	This item is a duplicate of item 291.
291		7.7	U	9/7/2010	Responder: Clark	298. Y	Closed	Closed		TVA Letter dated	
292	7.2.5	7.2	U	9/7/2010	Responder: Craig	299. Y	Closed	Closed	EICB RAI	TVA Letter dated	
293	7.7.4	7.2.2.3.5	U	9/8/2010	Responder: Craig	300. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
294	7.3	7.3.1.1.1	U	9/9/2010	Responder: Elton	301. Y	Closed	Closed	ML102390538, Item	Response	

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
295	7.3	7.3.1.1.2	Ⓛ Ⓜ	9/9/2010	Responder: Elton	302. Y	Closed	Closed	ML102390538, Item	Response	
296	7.3	7.3.1.2.1	Ⓛ Ⓜ	9/9/2010	Responder: Elton	303. Y	Closed	Closed	ML102390538, Item	Response	
297	7.3	7.3.1.2.2	Ⓛ Ⓜ	9/9/2010	Responder: Elton	304. Y	Closed	Closed	ML102390538, Item	Response	
298	7.3	XX	Ⓛ Ⓜ	9/9/2010	Responder: Clark	305. Y	Closed	Closed	ML102390538, Item	Response	
299			Ⓛ Ⓜ	Provide Common Q Software Requirements Specification Post	Attachment 41 of the 10/5 letter contains the Common Q	306. Y	Closed	Closed		TVA Letter dated	
300			Ⓛ Ⓜ	Need Radiation Monitoring System Description/Design Criteria	Responder: Temples/Mather	307. Y	Closed	Closed	RAI No. 25	TVA Letter	
301			Ⓛ Ⓜ	1.TVA is requested to address the consequences of software	Responder: WEC/Davies/Clark	308. Y	Closed	Closed	RAI No. 11	TVA Letter dated	Note 1:
302	7.5.2.	7.5.1	Ⓛ Ⓜ	09/17/2010	Responder: Tindell	309. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
303	7.5.2.	7.5.1	Ⓛ Ⓜ	09/17/2010	Responder: Tindell	310. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
304	7.5.2.	7.5.1	Ⓛ Ⓜ	09/17/2010	Responder: Tindell	311. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
305	7.5.2.	7.5.1	Ⓛ Ⓜ	09/17/2010	Responder: Tindell	312. Y	Closed	Closed	EICB RAI	TVA Letter dated	EICB RAI ML102861885 sent to DORL
306	7.1	7.1	Ⓛ Ⓜ	FSAR amendment 100, page 7.1-12 provides the definition of	Responder: Hilmes	313. Y	Closed	Closed	EICB RAI	TVA Letter dated	
307	7.1	7.1	Ⓛ Ⓜ	(1) FSAR amendment 100, Section 7.1, page 7.1-12, definition of	Responder: Hilmes	314. Y	Closed	Closed	EICB RAI	TVA Letter dated	
308	7.1	7.1	Ⓛ Ⓜ	(1) FSAR Amendment 100, Section 7.1, page 7.1-13, definition of	Responder: Hilmes	315. Y	Closed	Closed	EICB RAI	TVA Letter dated	
309	7.1	7.1.2.1.9	Ⓛ Ⓜ	(1) FSAR amendment 100, Page 7.1-14, Westinghouse setpoint	Responder: Hilmes	316. Y	Closed	Closed	EICB RAI	TVA Letter dated	
310	7.1	7.1.2.1.9	Ⓛ Ⓜ	(1) FSAR amendment 100, Page 7.1-14, TVA setpoint	Responder: Hilmes	317. Y	Closed	Closed	EICB RAI	TVA Letter dated	
311	7.1	7.1	Ⓛ Ⓜ	Both Westinghouse and TVA setpoint methodology do not have	Responder: Hilmes	318. Y	Closed	Closed	EICB RAI	TVA Letter dated	
312		7.0	Ⓛ Ⓜ	By letter dated September 10,2010, TVA provided the summary	Responder: Stockton	319. Y	Close	Closed	EICB RAI	TVA Letter dated	
313	7.7.8	7.7.1.12	Ⓛ Ⓜ	EDCR 52408 (installation of AMSAC in Unit 2) states that Design	Responder: Ayala	320. Y	Closed	Closed	EICB RAI No.18	TVA Letter dated	
314	7.3	7.3	Ⓛ Ⓜ	The following 50.59 changes were listed in the March 12 RAI	Responder: Stockton	321. Y	Closed	Closed	EICB RAI No. 19	TVA Letter dated	Related to OI 10
315	7.5.3	7.5.3	Ⓛ Ⓜ	IE Bulletin 79-27 required that emergency operating procedures to	Responder: S. Smith (TVA Operations)	322. Y	Close	Closed	EICB RAI	TVA Letter dated	
316	7.5.2.	7.5	Ⓛ Ⓜ	TVA has provided various documents in support of RM-1000 high	Responder: Temples/Mather	323. Y	Closed	Closed	RAI No. 26		
317	7.5.2.	7.5	Ⓛ Ⓜ	TVA has provided a proprietary and a non-proprietary version of	Responder: Temples	324. Y	Closed	Closed	RAI No. 27	TVA Letter dated	
318	7.5.2.	7.5	Ⓛ Ⓜ	TVA has provided the following documents for RM-1000	Responder: Temples	325. Y	Closed	Closed	RAI No. 28	TVA Letter dated	
319	7.5.2.	7.5	Ⓛ Ⓜ	TVA provided System Verification Test Results 04507007-1TR	Responder: Temples	326. Y	Closed	Closed	RAI No. 29	TVA Letter dated	
320			Ⓛ Ⓜ	Per Westinghouse letter WBT-D-2340, TENNESSEE VALLEY	Responder: Clark	327. Y	Closed	Closed	N/A	N/A	Duplicate of item 156
321			Ⓛ Ⓜ	For the purposes of measuring reactor coolant flow for Reactor	Responder: Clark	328. Y	Closed	Closed	N/A	N/A	Duplicate of OI# 157
322		7.7.1.11	Ⓛ Ⓜ	Section 7.7.1.11 will be added to FSAR Amendment 101 to provide	Responder: Clark	329. Y	Closed	Closed			
324			Ⓛ Ⓜ	Per the NRC reviewer, the BIS1 calculation is not required to be		330. Y	Closed	Closed			
325			Ⓛ Ⓜ	The Unit 2 loops in service for Unit 1 that are scheduled to be	Responder: TVA Startup Olson	331. Y	Closed	Closed			Closed to open item ?
326			Ⓛ Ⓜ	TVA uses double-sided methodology for as-found and as-left	Responder: Webb	332. Y	Closed	Closed		TVA Letter dated	
328	7.5.2.	7.5	Ⓛ Ⓜ	Provide the model number for the four containment high range	Responder: Temples	333. Y	Closed	Closed	RAI No. 30	TVA Letter dated	
329	7.6.1	7.6.7	Ⓛ Ⓜ	Section 7.6.7 of the FSAR (Amendment 100) states that, "The	Responder: Clark	334. Y	Closed	Closed	RAI No. 1	TVA Letter dated	
330	7.3	7.3	Ⓛ Ⓜ	Related to Item 298	Responder: Hilmes/Faulkner	335. Y	Closed	Closed	EICB RAI No.20	Item 7, TVA letter	
331	7.6.1	7.6.7	Ⓛ Ⓜ	As a follow up of OI 190, Staff has reviewed the proprietary version	Responder: WEC/Harless/Clark	336. Y	Closed	Closed	RAI No. 8	TVA Letter dated	Follow-up of OI-190.
332	7.5.2.	7.5.1	Ⓛ Ⓜ	10/26/2010		337. Y	Closed	Closed	ML103000105 Item	TBD	EICB RAI ML103000105 sent to DORL
333	7.5.2.	7.5.1	Ⓛ Ⓜ	10/27/2010		338. Y	Closed	Closed	ML103000105 Item	TBD	EICB RAI ML103000105 sent to DORL
334	7	7	Ⓛ Ⓜ	FSAR Figure 7A-3 "Mechanical Flow and Control Diagram	Responder: Stockton	339. Y	Closed	Closed	RAI not required.	N/A	RAI not required because the figure is
335	7.6.1	7.6.7	Ⓛ Ⓜ	LPMS: Reference to OI-331, sub item 2.	Responder: WEC	340. Y	Closed	Closed	RAI# 1, EICB letter	TVA letter, dated	We need to confirm when MEEB when
336	7.5.2.	7.5	Ⓛ Ⓜ	Re: RM-1000 Report 04508905-QR	Responder: GA	341. Y	Closed	Closed			
337	7.5.2.	7.5	Ⓛ Ⓜ	Re: RM-1000 Report 04508905-QR	Responder: GA	342. Y	Closed	Closed			
338	7.5.2.	7.5	Ⓛ Ⓜ	In page 3-15 and appendix B of Qualification Test Report	04508905-QR, "Qualification Test Report for RM-1000	343. Y	Closed	Closed	RAI #4 letter dated	FSAR amend 103	Note: Item to be added to Section 3.10
339	7.5.2.	7.5	Ⓛ Ⓜ	In the Qualification Test Report 04508905-QR, the licensee	As agreed to with the reviewer, Attachment 1 contains the	344. Y	Closed	Closed	RAI #5 letter dated	FSAR amend 103	Note: Item to be added to Section 3.10

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
341	7.5.2.	7.5	—S	FSAR Tables 3.10 list seismically qualified equipment. However,	A review of WBN Unit 2 FSAR amendment 102 chapters	345. Y	Closed	Closed	RAI #1 letter dated	FSAR amend 103	
342	7.5.2.	7.5	—S	Please confirm that RM-1000 monitors and the associated	The RM-1000 containment high range radiation monitors are	346. Y	Closed	Closed			
343	7.5.2.	7.5	—S	Seismic RRS in the 04508905-QR report Figures 3-2 and 3-3	(1) The cause of the difference between the RRS and TRS	347. Y	Closed	Closed			
344	7.6.6	?	—S	Unit 1 SE discussed in Section 7.6.5, "Valve Power Lockout".	(a) In accordance with 0PDP-6, "Locked Valve/Breaker	348. Y	Close	Closed			Close based on TVA letter dated
345	7.5.2.	7.5	—S	Provide the normal temperatures and expected periods of high/low	RM-1000 in a NIM Bin was Tested at 39°F for 72 Hrs and	349. Y	Closed	Closed		Response	
347	7.5.2.	7.5	—S	Qualification report 04508905-1SP does not address EMI/RFI	Qualification report 04038903-7SP, Qualification Basis for	350. Y	Closed	Closed			
348	7.5.2.	7.5	—S	Qualification report 04508905-2SP does not address EMI/RFI	Qualification report 04038903-7SP, Qualification Basis for	351. Y	Closed	Closed			
350	7.5.2.	7.5	—S	The seismic required response spectra (RRS) is shown in Figures	The RM-1000 was seismically tested in a NIM Bin and the	352. Y	Closed	Closed	RAI # 9, letter	FSAR amend 103	Note: Item to be added to Section 3.10
351	7.5.2.	7.5	—S	The replacement schedule for the components that have a	The replacement schedules stated in 04508905-1SP,	353. Y	Closed	Closed			
352	7.5.2.	7.5	—S	Please clarify how many RM-1000 radiation monitors are being	The total number of RM-1000 units procured under MR	354. Y	Closed	Closed			
354	7.5.2.	7.5	—S	RG 1.180 endorsed the guidance of IEEE-1050-1996 with	(1) The WBN Unit 2 grounding system design is in	355. Y	Closed	Closed			The grounding specification used by
355	7.5.2.	7.5	—S	Staff has not found the stated exclusion zone for EMI/RFI	Cautions and distance limitations for WBN Unit 1 legacy	356. Y	Closed	Closed			
356	7.5.2.	7.5	—S	The attachment number refers to your February 25, 2011 letter.	The loss of the RM-3 output (current to frequency (I/F)	357. Y	Closed	Closed		Closed by TVA	
357	7.5.2.	7.5	—S	In Attachment 5, Qualification Test Report Supplement, RM-1000	Attachment 8 contains GA-ESI qualification report	358. Y	Closed	Closed		Closed by TVA	
358	7.5.2.	7.5	—S	The attachment numbers refer to your February 25, 2011 letter. In	An incomplete response was inadvertently submitted in TVA	359. Y	Closed	Closed		Closed by TVA	
360			—S	In order for staff to review the acceptability of the Incore	(a) The Watts Bar Unit 2 In-core Instrumentation System	360.	Closed	Closed			
362	7.6.1	7.6.7	—S	OI #331 requested TVA to provide information regarding how the	TVA committed to provide a letter on the docket (targeted is	361.	Closed	Closed			
364	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	TVA Partial Response to NRC Request	362. N	Closed	Closed			NNC 4/125/2011: See Open Item No.
365	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	The Common Q PAMS panel internals meets the	363. Y	Closed	Closed			NNC 4/125/2011: See Open Item No.
366	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	The Common Q PAMS and RM-1000 radiation monitors	364. Y	Closed	Closed			NNC 4/125/2011: See Open Item No.
367	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	Common Q PAMS complies with Regulatory Guide 1.153	365. Y	Closed	Closed			NNC 4/125/2011: See Open Item No.
368	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	Attachment 6 contains the evaluation for Common Q PAMS	366. Y	Closed	Closed			NNC 4/125/2011: See Open Item No.
369	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	1 Attachment 2 contains the proposed FSAR change	367. N	Closed	Closed			NNC 4/125/2011: See Open Item No.
370	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	TVA Partial Response to NRC Request:	368. Y	Closed	Closed			NNC 4/125/2011: See Open Item No.
371	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	1 Attachment 2 contains the proposed FSAR change	369. N	Closed	Closed			NNC 4/125/2011: See Open Item No.
372	7.5.2.	7.5	—S	On 5/6/2010 (See Open Item No. 81) the NRC Staff requested an	TVA Partial Response to NRC Request:	370. Y	Closed	Closed			NNC 4/125/2011: See Open Item No.
373	7.5.2.	7.5	—S	The SDDs do not include any documented evidence that they were	1. See the response to Letter Item 4 (NRC Matrix Item	371. N	Closed	Closed			
374	7.5.2.	7.5	—S	By letter dated October 29, 2010 (ML103120711), TVA docketed a	1. The Technical Specification Changes required by	372. N	Closed	Closed			
375	7.7.9		A — >	1. During the conference call held on 4/12, the staff requested	TVA Partial Response to NRC Request:	373. N	Closed	Closed			
376	7.7.9		A — >	DCI-CVIB Input:	TVA does not agree with this recommendation. The IITA	374.	Closed	Closed			Related to OI 360
377	7.7.9		A — >	1. Further explanation is required for the sentence in EDCR	TVA Response	375.	Closed	Closed			
378			A — >	Make the following WEC proprietary documents available for NRC	Per Westinghouse letter WBT-D-3201 (Reference 1), the	376.	Closed	Closed			
379			A — >	Provide proprietary and non-proprietary versions of the WINCISE	The proprietary versions of the slides were provided in TVA	377.	Closed	Closed			
380			A — >	Provide Non-Proprietary functional description of the WINCISE	Attachment 3 contains the Westinghouse Non-Proprietary	378.	Closed	Closed			
381			A — >	Non-Proprietary description of the qualification of the MI cable	Attachment 4 contains the Westinghouse non-proprietary	379.	Closed	Closed			
382			A — >	Non-Proprietary description of the qualification of the SPS cabinet	Attachment 5 contains the Westinghouse non-proprietary	380.	Closed	Closed			
383			A — >	Non-Proprietary description of the qualification of the IITA with	Attachment 6 contains the Westinghouse non-proprietary	381.	Closed	Closed			
384			A — >	Non-Proprietary description of the differences between Unit 1 and	The only similarities between the WBN Unit 1 and Unit 2 IIS	382.	Closed	Closed			
385			A — >	Non-Proprietary description of the calc note shown to the NRC at	Attachment 7 contains Westinghouse non-proprietary	383.	Closed	Closed			
386			A — >	Provide a description of the communications between the SPS and	There is no direct communication between the SPS cabinets	384.	Closed	Closed			
387			A — >	Provide a copy of the analysis which states how Westinghouse has	As discussed in the Westinghouse WINCISE presentation at	385.	Closed	Closed			

¹ AP-1000 is a registered trademark of the Westinghouse Electric Company LLC

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
388				Provide the following documents, which describe operation of the		386.	Closed	Closed			
389				Provide the proprietary version of the calculation described in		387.	Closed	Closed			
390				Westinghouse has indicated that the WINCISE Application		388.	Closed	Closed			
391				Clarify the type of connector used with the MI cable in Unit 2.		389.	Closed	Closed			
392				Clarify the logic to subtract failed detectors from the		390.	Closed	Closed			
393				Clarify if the IITA assembly and the 6-to-1 transition cable		391.	Closed	Closed			
394				Confirm that power supply cables to the WINCISE SPS		392.	Closed	Closed			
395				Confirm that power supply to the WINCISE SPS cabinet are		393.	Closed	Closed			
101			DORL (Poole)	4/12/2010 The non-proprietary versions of the following RM-1000, Containment High Range Post Accident Radiation Monitor documents will be provided by June 30, 2010. 1. V&V Report 04508006A 2. System Description 04508100-1TM 3. Qualification Reports 04508905-QR, 04508905-1 SP, 04508905-2SP, 04508905-3SP 4. Functional Testing Report 04507007-1TR	Responder: Slifer The documents, and affidavits for withholding for the listed documents were submitted to the NRC on TVA letter to the NRC dated July 15, 2010.	1. Y	Open SSER 23 Table HH Item Number TVA3 Documents provided in letter dated 07/15/10	Open-NRC Review Due 10/14/10 Confirm receipt.	N/A		TVA is working with the vendor to meet the 6/30 date, however there is the potential this will slip to 7/14.
323			EICB(Garg)	WCAP-13869 revision 1 was previously reviewed under WBN Unit 1 SER SSER 13 (Reference 8). Unit 2 references revision 2. An analysis of the differences and their acceptability will be submitted to the NRC by November 15, 2010	Responder: Hilmes/Unit 1 Attachment 12 contains the WCAP 13869 Revision 1 to Revision 2 Change Analysis. TVA Response to Follow-up NRC Request A FSAR change will be submitted in a future FSAR amendment to change the revision level back to 1. TVA Response to Second Follow-up NRC Request The differences between the Revision 1 and Revision 2 WCAPs is documented in Attachment 12, "WCAP 13869 Revision 1 to Revision 2 Change Analysis", to TVA to NRC letter dated October 29, 2010 (Reference 2). The design bases for the response to feedwater break inside containment, as documented in Chapter 15 of the WBN Unit 2 FSAR, is the same for WBN Unit 1. Since WBN Unit 2 is required to match the WBN Unit 1 licensing basis to the extent practical, the decision was made to revise the WBN Unit 2 FSAR to agree with the WBN Unit 1 FSAR which uses Revision 1.	2. Y	Open SSER 23 Table HH Item Number 65 Due 3/29/11 Revised Response is included in letter dated 10/29/10 The staff is confused with the response since both units have reference leg not insulated Rev 2 should apply to Unit 1 also and there should be no difference between Unit 1 and 2 Amendment 104 has been submitted with this change. Please verify and close.	Open-NRC Review Due: Need to provide additional info on why Rev. 1 is acceptable for both units. 3/10/11 Staff does not agree with the statement that there is no technical differences between WCAP-13869 rev.1 and rev2., but staff agree that rev1 and change analysis could be basis for acceptance for both Watts Bar units. 4/6/11 TVA response is acceptable, however this item remains open until TVA makes changes to FSAR.		TVA Letter dated 10/29/10 Enclosure 1 Item No. 36	
327			DORL (Poole)	Attachment 36 contains Foxboro proprietary drawings 08F802403-SC-2001 sheets 1 through 6. An affidavit for withholding and non-proprietary versions of the drawings will be submitted by January 31, 2011.	Responder: Webber In accordance with correspondence from Foxboro, there is no proprietary information contained in the 08F802403-SC-2001 drawings. Based on this, no affidavit for withholding is required. Attachment 1 contains versions of the drawings with the proprietary information block removed.	3. Y	Open SSER 23 Table HH Item Number TVA4 Response Included in letter dated 11/24/10	Open-NRC Review Due 11/24/10			
340	7.5.2.3	7.5	CB (S) No	Provide test result curves for all EMI/RFI tests listed in Table 3.2.3 (page 3-8) of the Qualification Test Report 04508905-QR. In	Responder: GA	4. N	Open	Open-NRC Review			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
				<p>addition, please provide the standards or the guidance documents used as the source for ENV 50140, ENV 55011 Class A, and EN 55022 Class B.</p>	<p>The following responses are based on e-mail: GA-ESI to Bechtel, dated December 8, 2010 (Reference 20),</p> <p>(1) The EMI/RFI tests described in Table 3-2 are based on GA-ESI report 04509050 and are summarized in GA-ESI report 04508905-QR. The independent laboratory report, with curves, is part of GA-ESI report 04509050. Subsequent to issuing GA-ESI report 04508905-QR additional EMC testing was performed in accordance with TVA specific requirements. The results of the subsequent EMC testing are reported in GA-ESI report 04038800. GA-ESI report 04038800 includes the test curves and the report is used as the basis for EMC qualification of the Upper and Lower Inside Containment Post Accident Radiation Monitors (2-RE-90-271 through -274). The results of the testing and the acceptability of the RM-1000 monitors for use at WBN Unit 2 are addressed in GA-ESI report 04038903-7SP. This report will be submitted no later than January 28, 2010.</p> <p>(2) ENV 50140, EN 55011, and EN 55022 are British Standard Institution (BSI) publications concerning equipment electromagnetic and radio frequency performance. The standard titles are shown below:</p> <ul style="list-style-type: none"> a. ENV 50140 - Electromagnetic Compatibility - Basic Immunity Standard - Radiated Radio-Frequency Electromagnetic Field - Immunity Test b. EN 55011 - Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement c. EN 55022 - Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement <p>TVA Response to Follow-up NRC Request:</p> <p>The total EMI/RFI testing of the RM-1000 and current-to-frequency converter is documented in the following reports:</p> <ul style="list-style-type: none"> • Attachment 5 contains the proprietary version of General Atomics Electronic Systems 04508905-1SP, "Qualification Test Report Supplement, RM-1000 Upgrade." See sections 5.1.1, 5.1.2 and 5.1.4 for EMI/RFI. • Attachment 7 contains the proprietary version of General Atomics Electronic Systems 04038903-7SP, "Qualification Basis for 04034101 (2-RE-90-271, 272, 273 & 274)." See section 5 for EMC qualification basis. • Attachment 8 contains the proprietary version of General Atomics Electronic Systems 04038903-QSR, "Qualification Summary Report for Watts Bar Nuclear Plant Unit 2 Replacement Radiation Monitors." See section 3.4 for electromagnetic compatibility qualification requirements. • Attachment 23 contains the proprietary version of General Atomics Electronic Systems 04508905-QR, 		<p>SSER 23 Table HH Item Number 80</p> <p>Due 4/30/11</p> <p>Response included in letter dated 12/22/10.</p>	<p>Provide the qual reports by 1/28/11 per TVA letter of 12/22/10.</p> <p>Due: 2/25/11 Clarification Needed: Per 2/25/11 response TVA document SS-E18.14.01, Rev. 3 is the source document for all testing. Please provide this document for staff review. In addition British Standards (e.g. ENV 50140) have been cited in testing which are not per RG 1.180, R1. TVA to describe compliance of SS-E18-14.01 to RG 1.180 with justification for deviations. No test curves have been provided in any of the reports. As a minimum TVA to provide a few sample test curves or justify not supplying them.</p> <p>No EMI/RFI curves have been provided as yet. TVA to provide representative curves.</p> <p>NRC review proceeding in parallel.</p> <p>NRC current review guidance is based on compliance with RG 1.180 or equal with justification for variations. TVA is requested to provide the roadmap for compliance to RG 1.180 with justifications for any deviations. Simply following TVA standard specification SS E18.14.01, Rev. 3 is not sufficient.</p>			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
					<p>“Qualification Test Report for RM-1000 Processor Module and Current-To-Frequency Converter.” See sections 3.2.1 through 3.2.5 and 6.2 for EMI/RFI.</p> <p>Attachments 7 and 8 document the EMI/RFI testing specific to the WBN Unit 2 RM-1000 monitors and current-to-frequency converters.</p> <p>TVA Response to Second Follow-up NRC Request:</p> <p>GA-ESI qualification report 04038903-7SP, “Qualification Basis for 04034101 (2-RE-90-271, 272, 273 & 274)” Revision C dated February 22, 2011(Proprietary), submitted on TVA to NRC letter dated February 25, 2011 (Reference 2), section 5.1 states:</p> <p>“GA-ESI has performed the tests on a 2 channel RM-1000 radiation monitoring system the configuration of which is shown in GA-ESI drawing 04509000 System Installation Configuration, RFI/EMI Test, RM-1000 the results of which are issued in GA-ESI report 04038800, RM-1000 EMC Test Report, TVA and 04509050, RM-1000 EMC Test Report. The equipment tested used an RM-1000 microprocessor radiation monitor Display/Control NIM Bin Assembly, an I-F Converter, line filter, and an RD-23 detector. The monitor system being qualified is the same as the monitor system tested and includes ECO-17656 modifications to ensure EMC compliance.”</p> <p>Attachment 1 contains the TVA “Browns Ferry High Range Radiation Monitor” which contains the requested EMI test curves. We have confirmed that the GA-ESI reports (04509050, “RM-1000 EMC Test Report,” dated 4/22/03 and 04038800, RM-1000 EMC Test Report,” dated 11/11/99) included in the TVA report are applicable to the WBN Unit 2 RM-1000 monitors. The non-proprietary versions and affidavit for withholding of GA-ESI reports (04509050 and 04038800) will be submitted within two weeks of receipt from GA-ESI.</p> <p>GA-ESI qualification report 04038903-7SP, section 5, provides a detailed discussion of the test results in GA-ESI report 04509050.</p> <p>TVA Response to Follow-up NRC Request</p> <p>Attachment 1 provides a comparison of the TVA EMC specification SS E18.14.01, Revision 3 requirements to RG 1.180 requirements.</p>						
349	7.5.2.3	7.5	EICB (Singh)	Radiation testing was not considered in any of the test reports as all the equipment has been assumed to be located in nuclear power plant areas with mild environments and radiation dosages less than 1 x 10 ³ rads for total integrated dose (TID). However, the radiation monitors and the I/F converters are located in the main control room which is defined as mild environment. For WBN-2 mild environment is defined as room or building zone where (1) the temperature, pressure, or relative humidity resulting from the direct effects of a design basis event (DBE) (e.g.,	The design criteria provides the criteria for determining what is a mild environment at WBN Unit 2. Calculation WBNAPS4004 “Summary of Mild Environment Conditions for Watts Bar Nuclear Plant” provides the actual values for each area of the plant. In accordance with Table 1, the Control Room has a 40 year maximum TID of 3.5x10 ² RAD and a maximum integrated accident dose of 710.5 RAD for a maximum TID of 1060.5 RAD.	5. Y	Open Response included in letter dated 8/4/11 SSER 23 Table HH Item Number 78	Open-NRC Review Mech Eng to revise calculation Due: 2/25/11 TVA to provide the assessment document			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
				temperature rise due to steam release) are no more severe than those which would occur during an abnormal plant operational condition, (2) the temperature will not exceed 130°F due to indirect effects of a DBE, (3) the event radiation dose is less than or equal to 1 x 10 ⁴ rads, and (4) the total event plus the 40 year TID (total integrated dose) is less than or equal to 5 x 10 ⁴ rads (reference WB-DC-40-54). TVA to address lack of radiation qualification for WBN-2.	<p>The accident dose of 710.5 RAD is the dose for a 100 day LOCA at the surface of the HEPA filter in the Mechanical Equipment Room. This is documented in TVA calculation WBNTSR-005, "Dose Due to the Control Building Emergency Air Cleanup Filters" Revision 3. However, on page 25 of WBNTSR-005, the shine from this source into the control room is negligible and is not considered in the dose calculation for the control room.</p> <p>Calculation WBNAPS3-126, "EQ Dose in the U1/U2 Auxiliary Instrument Rooms and the Computer Room in the Control Building" Revision 0 documents the environmental qualification (EQ) radiation dose in the control building. A review of this document by the TVA radiation protection engineer determined that the TID including the normal and accident dose values for the control room is less than 1x10³ RAD. Calculation WBNAPS3-126, will be revised to include the control room by July 1, 2011. Since the control room TID has been determined to be less than 1x10³ RAD, radiation qualification of the RM-1000.</p> <p>Attachment 1 contains TVA calculation WBNAPS3127, "EQ Dose in the Control Building," Revision 0, which completes this item. The calculation result for the Main Control Room on elevation 755 is a total integrated gamma plus beta dose (40 year normal plus 100 day accident) of 362.76 Rads. This is less than the 1000 Rad maximum limit for the containment high range radiation monitors.</p>			<p>or a summary of the document with the reference to the appropriate document/documents.</p> <p>February 25, 2011 response is acceptable. Item will be tracked as a confirmatory item in the SE. TVA to provide calculation or summary of calculation when complete.</p>			
359	7.7.1.1		EICB (Carte)	Was the CERPI system developed under a 10 CFR 50 Appendix B compliant program?	CERPI is a non-safety related system. Therefore, 10 CFR 50 Appendix B is not applicable.	6.	<p>Open</p> <p>SSER 23 Table HH Item Number TVA6</p> <p>Due 4/15/11</p>	Open-NRC Review			
361	7.7.1.1		EICB (Carte)	Was the Foxboro IA system developed under a 10 CFR 50 Appendix B compliant program?	Foxboro I/A is a non-safety related system. Therefore, 10 CFR 50 Appendix B is not applicable.	7.	<p>Open</p> <p>SSER 23 Table HH Item Number TVA7</p> <p>Due 4/15/11</p>	Open-NRC Review			
363	7.5.1.1.3 and 7.9.1	7.5.2	EICB (Rahn and Mossman)	Ol#199 requested TVA to provide information concerning how TVA plans to meet regulatory criteria for Quality (10 CFR 50.55a(a)(1)) associated with the Technical Support Center and Nuclear Data Link. TVA responded in Letter Dated October 5, 2010, Item 63; however, TVA's response does not address the quality aspects of these system features. A similar question had been asked for Quality Criteria adherence for the SPDS and the BISI functions of the Integrated Computer System. In response to that request (same letter) TVA provided a description of TVA procedures, BISI software development procedures, and various management measures that will be taken to assure high quality in the design, operation, and maintenance of the SPDS and BISI functions of the ICS. Since the TSC and Nuclear Data Link information originates in the SPDS function of the ICS, are there any aspects of the quality measures that apply to the TSC and NDL features developed as part of quality processes for the ICS that are applicable to the data communications features?	<p>TVA Procedure SPP-2.6 "Computer Software Control" has been superseded by TVA Procedure NPG-SPP-12.7, "Computer Software Control," Revision 0, dated December 17, 2010 (Attachment 3).</p> <p>To ensure quality, the design, testing, and inspection of all Integrated Computer System (ICS) software including a) SPDS, b) BISI and c) Technical Support Center (TSC) and Nuclear Data Link (NDL) functionality is controlled by qualified personnel in accordance with TVA procedure NPG-SPP-12.7. The TSC and NDL functions are provided and performed by the ICS and, in the case of NDL, the Central Emergency Control Center (CECC) computers in Chattanooga.</p> <p>Any changes to ICS software must be documented and controlled using TVA procedure NPG-SPP-12.7. This</p>	8.	<p>Open</p> <p>SSER 23 Table HH Item Number TVA8</p> <p>Due 4/30/11</p>	Open-NRC Review			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
				<p>Specifically, what is the scope of TVA Procedure SPP-2.6 "Computer Software Control"? How does it apply to the ICS functions of a) SPDS, b) BISI, and c) TSC and NDL functions? Wouldn't there be aspects of the quality procedures that apply to the development, maintenance, and operations of the software needed to support the data communications features. Also, what quality measures will be applied to develop, maintain, and operate the hardware that accomplishes the TSC and NDL functions to ensure that these features will be reliable and available when needed?</p>	<p>includes the a) SPDS, b) BISI and c) TSC and NDL functions. The procedure details controls and processes required for the development, modification, and configuration management of computer software used to support the design, operation, modification, and maintenance of TVA's nuclear power plants consistent with the Nuclear Quality Assurance Plan.</p> <p>Controls in NPG-SPP-12.7 guide the development and testing of the software changes. Other controls established by this procedure to further maintain quality standards are:</p> <ul style="list-style-type: none"> • The application custodian implements controls to prevent unauthorized changes to the software. • Changes are made in a non-production environment, and validation testing takes place before the change is installed on the ICS when possible. • Once validation testing begins, the source code is placed under configuration control. • When the modifications are installed on the ICS, an operability test is performed to demonstrate that the software is installed correctly and is functioning correctly in its operating environment. • Documentation related to ICS software changes are QA records. • The software source code is kept in a physically secure, environmentally controlled space to prevent inadvertent changes. • Cyber security considerations are also considered in the storage environment. • The data goes through several validation steps before being presented to the operators. • When redundant sensors are used, the data received by the computer can be processed by software to determine if the quality of one or more points is questionable. <p>The hardware involved in the TSC and NDL functionality is verified to be operable on a periodic basis.</p> <p>In the case of the NDL functionality, the ICS transmits the required data to the CECC on a continuous basis. The CECC monitors the status of the ICS data communications and alarms are generated when the link is not active. The Emergency Plan (EP) staff conducts a quarterly test that verifies that NDL data is successfully transmitted from each unit to the NRC.</p>						
346	7.5.2.3	7.5	EICB (Singh)	<p>TVA has previously stated in response to open item 319 that RM-1000 System Verification Test Results report, 04507007-1TR is not applicable to WBN-2. However, TVA has not provided a WBN-2 specific test results report. Please identify and provide the appropriate test results reports to complete the review.</p>	<p>Document 04507007-1TR is the RM-1000 System Verification Test Results. 04038903-QSR, "Qualification Summary Report for Watts Bar Nuclear Plant Unit 2 Replacement Radiation Monitors" (Attachment 8) and 04038903-7SP, "Qualification Basis for 04034101 (2-RE-90-271, 272, 273 & 274) (Attachment 7) are the Watts Bar Unit 2 equipment specific qualification reports.</p> <p><u>TVA Response to Follow up NRC Request:</u></p> <p>Report 04507007-1TR "RM-1000 System Verification Test Results" is applicable to the WBN Unit 2 monitors. The</p>	9. N	<p>Open</p> <p>SSER 23 Table HH Item Number TVA5</p> <p>Due: TBD</p>	<p>Open-TVA/Bechtel</p> <p>Due: 2/25/11</p> <p>The proposed response appears to be conflicting with the proposed response for OI-351 regarding not submitting the 04508905-QR report. TVA to re-assess</p>			<p>MSC 7/11/11: Assigned to J. Temples as GA-ESI Contract Manager for Licensing Support to confirm procedure was developed under 10CFR50 Appendix B.</p>

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
					<p>applicability is that 04507007-1TR includes all test cases called out in the 04507006 "RM-1000 System Test Procedure Specification" and contains evidence that the V&V tests were performed with version 1.0 software code. The verification report for version 1.1 software is document 04508005 "RM-1000 Software Version 1.1 Software Verification Report." Document 04508006 "RM-1000 Version 1.2 Software Verification and Validation Report" shows that the required test was completed to validated version 1.2 code for the RM-1000.</p> <p>The Engineering reviewed and approved proprietary versions of 04507007-1TR, 04508005 and 04508006 will be submitted within two weeks of receipt from GA-ESI. The unreviewed proprietary versions, non-proprietary versions and affidavit for withholding were submitted on TVA to NRC letter July 15, 2010 (Reference 3).</p> <p><u>TVA Response to Follow up NRC Request</u></p> <p>GA-ESI has a single process for buying material, assembling and testing modules. The same process is used for any part number, safety related or not so they can avoid having to store the same part number in two different locations and avoid the possibility of mixing them up. Therefore, the Sorrento Electronics "safety-related" production modules and the Sequoyah "non-safety-related" modules are physically identical. Based on the above the report is acceptable.</p>			<p>proposed response for both OIs.</p> <p>TVA to re-evaluate previous responses to OI-316 and OI-319 which have conflicting responses regarding the applicability of 04507007-1TR.</p> <p><u>NRC Follow-up question</u></p> <p>Report 04507007-1TR, 1999 states in the Test Summary that "Initially the testing was done using the SE safety related production modules that had undergone software V&V testing. The majority of the testing was done by using two of the Sequoyah non-safety related production modules for the TVA contract, substituted for the SE modules." Since the report is based on primarily non safety related components TVA to clarify and justify why NRC should accept this test report for safety related V&V testing.</p> <p><u>NRC Follow-up</u></p> <p>All safety related work must be quality controlled per 10CFR50, App. B. TVA to confirm that the procedure used for the system verification tests (04507007) was actually a procedure that was prepared per 10CFR50, App. B.</p>			
353	7.5.2.3	7.5	EICB (Singh)	Please provide a summary of the [manufacturer's] commercial dedication plan for radiation monitors with references to the guidance document that it follows. Also please include different facets (e.g. receiving, inspection, testing etc.) of the plan.	GA-ESI submitted their commercial grade dedication procedure (OP-7.3-240, "Safety-Related Commercial Grade Item Parts Acceptance," Revision H) to engineering for review. Engineering review of the procedure found that the procedure, Section 5, did not require multiple dedication	10. N	Open	Open-TVA/Bechtel			MSC 7/11/11: Assigned to J. Temples as GA-ESI Contract Manager for Licensing Support to obtain revised procedure.
							SSER 23 Table HH Item Number 81	TVA to note that staff has written a safety evaluation and			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
					<p>methods for complex CGI or CGI used in digital safety systems. As a result, it was determined that the GA-ESI program did not meet the requirements of NUREG-800, Section 7.0A, Revision 5.</p> <p>A discussion with GA-ESI found that while not required by procedure, GA-ESI does perform vendor surveys as required by Method 2 of NP-5652. The surveys are done based on prudent business practices. Based on this discussion, GA-ESI agreed to review the CGI used in the WBN Unit 2 digital safety-related monitors to determine if they had been dedicated by more than one method.</p> <p>The review of the CGI used in the WBN Unit 2 digital safety-related monitors determined that all CGI had been dedicated using Method 1 of EPRI guideline NP-5652. However, in the sample of items reviewed, there were CGI that were dedicated using a single method. Based on the results of the engineering procedure review and the results of the GA-ESI CGI review, Service Request 346896 was initiated to document the condition and to place the monitors in "Conditional Release" status.</p> <p>Based on the results of the previous reviews, GA-ESI agreed to the following plan of action to resolve the CGD issue:</p> <ol style="list-style-type: none"> GA-ESI shall revise its commercial grade dedication procedure (OP-7.3-240) to require multiple dedication methods be utilized for complex commercial grade items and commercial grade items for digital safety class systems. The evidence that this has been completed will be provided to TVA by April 15, 2011. <p>Specifically, Method 1 and at least one additional method from the list below will be used to ensure that the CGD procedure complies with the current SRP.</p> <p>Method 1 - Special Tests and Inspections Method 2 - Commercial Grade Survey of Supplier Method 3 - Source Verification Method 4 - Acceptable Supplier/Item Performance Record</p> <ol style="list-style-type: none"> GA-ESI shall take actions consistent with the revised operating procedure to address the CGIs used in the WBN Unit 2 safety-related digital monitors. Evidence that those actions have been completed will be provided no later than September 1, 2011. <p>Based on the above action plan, TVA will resolve the issues with the GA-ESI CGD of CGI used in the WBN Unit 2 monitors and submit documentation of the resolution to the NRC by:</p> <ul style="list-style-type: none"> GA-ESI procedure OP-7.3-240 revision: April 30, 2011 Resolution of CGD of CGI used in WBN Unit 2 RM-1000 monitors: September 15, 2011 		Due: TBD	<p>accepted EPRI TR-106439 (1996) as an acceptable method of addressing commercial dedication. EPRI NP-5652 must be used in conjunction with the additional guidance in EPRI TR-106439 for commercial dedication processes e.g. EPRI NP-6404, EPRI TR-102260, GL 89-02, and GL-91-05 per Section 3.3 of EPRI TR-106439.</p> <p>Follow-up clarification:</p> <p>TVA to review and satisfy itself with the procedure and provide NRC a copy of the procedure for review. In addition, TVA and GA to provide information as to what additional measures were taken by GA with available documentation to prove that more than one method was followed for commercial dedication.</p> <p>Follow-up comments</p> <p>Staff has reviewed GA document OP-7.3-240 and requests further clarification, addition, or amplification on the following comments:</p> <p><u>Section 2, Applicable Documents</u> Please add EPRI TR-102260 and IEEE 7-4.3.2 for digital components. Also add generic letter GL 91-05, Licensee Commercial-Grade Procurement and Dedication Program.</p> <p><u>Section 3, Definitions, Approved Supplier List (ASL)</u> How is Quality</p>			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
					<p><u>TVA Response to Follow up NRC Request</u></p> <p>(1) TVA has reviewed the revised GA-ESI procedure and determined that changes bring the CGD program into conformance with the requirements of NUREG-800, Section 7.0A, Revision 5 EPRI topical report TR-106439 and EPRI guideline NP-5652. Attachment 2 contains GA-ESI procedure OP-7.3-240 "Safety-Related Commercial Grade Item Parts Acceptance," Revision I.</p> <p>(2) As stated in TVA to NRC letter dated April 15, 2011(Reference 1), Attachment 4, List of New Commitment Items, item 2, the due date for resolution of this issue is September 15, 2011.</p>			<p>Assurance Program approved? Is a vendor survey performed? Please explain the basis for approving the Quality Assurance Plan.</p> <p><u>Section 3, Definitions, Basic Components</u> Incomplete definition. The definition for basic components must match the definition in 10CFR Part 21.</p> <p><u>Section 3, Definitions, Components</u> Please use or add the examples in the definitions which are relevant to General Atomics supplied equipment.</p> <p><u>Section 3, Definitions, Critical Characteristics (CC)</u> Incomplete definition. Use the definition in 10CFR Part 21.</p> <p><u>Section 3, Definitions, Dedication</u> Incomplete definition. Please use the definition in 10CFR Part 21. 10CFR Part 21 applies to components subject to 10CFR50, Appendix B and other facilities (other than nuclear power plants).</p> <p><u>Section 3, Definitions, Identical Item</u> Include same manufacturer and manufactured at the same time (Per Inspection Procedure 43004) along with same part, make and model number.</p> <p><u>Section 3, Definitions, Like-for-Like</u> This should be defined the same as identical item as noted in the comment above.</p> <p><u>Section 4, Selection of SR CGI Acceptance Methods</u> In the introductory paragraph of this section please</p>			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
								<p>elaborate where guidance for technical evaluation can be found.</p> <p><u>Section 4, Method 1, Sub-item a</u> Bullet No. 5 states the sample size to be taken but does not provide any guidance regarding the methodology for sample size selection. Please include the guidance for sample selection methodology that is based on a recognized industry statistical method (e.g. EPRI 7218).</p> <p><u>Section 4.a, Method 1</u> Bullet No. 6 describes tests and inspections but does not provide the parameters of acceptability.</p> <p><u>Section 4.b, Method 2</u> In the second paragraph please modify the wording to clarify that a commercial grade survey can be used to accept critical characteristics of simple or complex parts.</p> <p><u>Section 4.b, Method 2</u> Bullet No. 5 Suggest that the wording be changed to clarify that the critical characteristics cannot be verified easily.</p> <p><u>Section 4.b, Method 2</u> Paragraph following Bullet No. 5 Staff agrees that the approach is acceptable initially as long as receipt inspection is performed (Reference GL 89-02). Subsequently a design engineer must evaluate the performance based on a defined frequency.</p> <p><u>Section 4.b, Method 2</u> Second paragraph following Bullet No. 5.</p>			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
								<p>After the first sentence add the sentence that engineering will determine the acceptability of critical characteristics.</p> <p><u>Section 4.c. Method 3 – Source Verification</u> Please add an opening sentence explaining that this method is used when a supplier does not have adequate programmatic controls in place.</p> <p><u>Section 4.e.</u> Combination of two or more methods In the first paragraph please state that method 2 and method 4 alone are not sufficient per the guidance of GL 89-02.</p> <p><u>Section 6.e. Part Changes</u> Add the fact that the change should be based on equivalency evaluations.</p> <p><u>Section 6.f. Previous Dedication Review</u> In the first paragraph please make it clear that engineering should evaluate there have been no design changes.</p> <p><u>Section 6.h. Technical Evaluation</u> In the first paragraph (Item 1) there is a need to augment guidance for technical evaluation. Need to explain the comment further.</p> <p><u>Section 6.h. Technical Evaluation</u> In the fourth paragraph (Item 4) This paragraph does not match the definition of like-for-like replacement as noted by staff comments.</p> <p><u>Section 6.i. Determination of Critical Characteristics</u> It is not clear why the critical characteristics should be limited to</p>			

No.	SE Sec.	FSAR Sec.	NRC POC	Issue	TVA Response(s)	Response Acceptable Y/N	Status/ Current Actions	Resolution Path	RAI No. & Date	RAI Resp. Date	Comments
								environment. Please expand or justify the statement. <u>Section 9, 10CFR21</u> Please modify the requirements of reporting per the guidance of 10CFR21.21. These requirements apply to, "Each individual, corporation, partnership, dedicating entity, or other entity subject to the regulations in this part". <u>Section 10 Certifications</u> Please change the last sentence to clarify that once the critical characteristics have been verified and the item dedicated it is no longer commercial grade. Present wording causes confusion. <u>General</u> It is recommended that the order in which the procedure is organized be re-evaluated. Following the Definitions section, safety classification should be addressed first then followed by technical evaluation, and then the acceptance methods.			
396	3.10		Civil	Provide proprietary, non-proprietary versions and affidavits for withholding for the following documents: <ul style="list-style-type: none"> • General Atomics Electronic Systems 04038903-1SP, Qualification Basis for 04031101-001 (2-RE-90-130 &131). • General Atomics Electron Systems 04038903-2SP, Qualification Basis for 04031301-001 (2_RE-90-106). • General Atomics Electronic Systems 04038903-4SP, Qualification Basis for 04031501-001 (2-RE-90-112). 		11.	Open SSER 23 Table HH Item Numbers TVA21 Schedule: TBD Request from NRC Civil branch received from J. Poole via e-mail on July 6, 2011.	Open-TVA/Bechtel			MSC 7/11/11: Assigned to J. Temples as GA-ESI Contract Manager for Licensing Support.