



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555 - 0001

September 15, 2011

Administrative Judge
Lawrence G. McDade, Chair
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Administrative Judge
Paul B. Abramson
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Administrative Judge
Gary S. Arnold
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

In the Matter of
TENNESSEE VALLEY AUTHORITY
(Watts Bar Nuclear Plant Unit 2)
Docket No. 50-391-OL; ASLBP No. 09-893-01-OL-BD01

Dear Administrative Judges:

The NRC Staff hereby submits Supplement 20 to the hearing file for the Watts Bar Nuclear Plant (Unit 2) OL proceeding, Docket No. 50-391-OL.

Pursuant to the agreement of the parties, disclosures and the hearing file may be limited to final non-privileged documents relevant to the admitted contentions. Further, historical versions of the application need not be listed and privilege logs are waived.

This supplement to the hearing file includes materials required pursuant to 10 C.F.R. §2.1203, as well as the Staff's mandatory disclosures produced pursuant to 10 C.F.R. §2.336, as modified by the agreement. Materials in the hearing file may be accessed through the Agencywide Documents Access and Management System ("ADAMS"). An index containing the ADAMS accession number, date, and title or description of each item in the hearing file is appended hereto as Attachment 1. An index of documents protected due to proprietary or security concerns is appended as Attachment 2.

The Staff has taken a broad approach in identifying potentially-relevant documents for inclusion in the disclosures and hearing file. Additional public documents associated with the application, but not relevant to the admitted contention, are readily accessible in ADAMS. In addition,

L. McDade
P. Abramson
G. Arnold

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pursuant to the agreement of the parties, the Staff will continue to work with both parties to provide access to documents

On or around September 15, 2011, the supplement to the hearing file will be made available via the Electronic Hearing Docket ("EHD"), which may be accessed at the following URL: http://ehd.nrc.gov/EHD_Proceeding/home.asp. The hearing file will be contained in a sub-folder entitled, "Watts Bar Hearing File" of the "Watts_Bar_50-391-OL" folder of the EHD.

Further, attached is the affidavit of Justin C. Poole certifying that all relevant materials required under the agreement of the parties by this section have been disclosed, and that the disclosures are accurate and complete for documents identified as of September 15, 2011.

Sincerely,

/Signed (electronically) by/

David E. Roth
Counsel for NRC Staff

Enclosures: Attachment 1–Hearing File Index
Attachment 2 - Protected Index

Affidavit of Justin C. Poole

cc: Service List

ATTACHMENT 1 WATTS BAR OPERATING LICENSE APPLICATION HEARING FILE AND MANDATORY DISCLOSURES

HEARING FILE INDEX

Supplemental Disclosures – September 15, 2011

ID#	Accession Number	Document Date	Title
20-0001	ML111250430	08/12/2011	Watts Bar Nuclear Plant, Unit 2 - Transition of Components to American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI (TAC No. ME0853).
20-0002	ML111960228	08/12/2011	Watts Bar Nuclear PLant, Unit 2 - Review of Individual Plant Examination Submittal - Internal Events and Internal Flood (TAC No. ME3334).
20-0003	ML112140217	09/07/2011	Watts Bar Nuclear Plant, Unit 2 - Complete List of Comments, Suggestions, and Staff Responses Condensed From the October 6, 2009, Public Scoping Meeting.
20-0004	ML112170260	08/16/2011	08/31/2011 Notice of Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Related to Section 9.5.1 Fire Protection and SER Open Items.
20-0005	ML11221A224	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Transmittal of Amendment 102 to Final Safety Analysis Report (FSAR).
20-0006	ML11221A235	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 2 A, Redacted, Site Characteristics.
20-0007	ML11221A236	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 2 B, Part 1 of 2, Redacted.
20-0008	ML11221A237	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2 B, Part 2 of 2, Redacted.
20-0009	ML11221A238	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2 C, Geology, Seismology, and Geographical Engineering Summary of Foundation Conditions.
20-0010	ML11221A239	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2 D.
20-0011	ML11221A240	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 1.0, Introduction and General Description of Plant.
20-0012	ML11221A241	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), List of Revised Pages.
20-0013	ML11221A242	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 1, Redacted, Introduction and General Description of Plant.
20-0014	ML11221A243	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2 E, Redacted, Figure 2.5-181 through Figure 2.5-510.

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ID#	Accession Number	Document Date	Title
20-0015	ML11221A244	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3 A, Redacted.
20-0016	ML11221A245	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3 B, Redacted.
20-0017	ML11221A248	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 6 A, Redacted, Engineered Safety Features.
20-0018	ML11221A249	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 6 B. Emergency Core Cooling System.
20-0019	ML11221A250	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 7, Instrumentation and Controls.
20-0020	ML11221A251	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 8 Redacted, Electric Power.
20-0021	ML11221A252	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3 C, Redacted.
20-0022	ML11221A253	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3 D, Redacted.
20-0023	ML11221A254	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 4, Reactor.
20-0024	ML11221A255	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 5, Reactor Coolant System.
20-0025	ML11221A256	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 9, Redacted, Auxiliary Systems.
20-0026	ML11221A258	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 9B, Redacted, Air Conditioning, Heating Cooling, and Ventilation Systems.
20-0027	ML11221A287	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 14, Redacted, Initial Test Program.
20-0028	ML11221A288	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 10.0, Redacted, Main Steam and Power Conversion Systems.
20-0029	ML11221A289	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 11, Redacted, Radioactive Waste Management.

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ID#	Accession Number	Document Date	Title
20-0030	ML11221A290	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 12, Redacted, Radiation Protection.
20-0031	ML11221A293	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 13, Redacted, Conduct of Operations.
20-0032	ML11221A294	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 15, Redacted, Accident Analyses.
20-0033	ML11221A295	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 16, Technical Specifications (Redacted).
20-0034	ML11221A296	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section, 17, Quality Assurance (Redacted,).
20-0035	ML11221A322	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Table 6.2.4-1, Page 1 of 69 - 64 of 69.
20-0036	ML11221A327	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.3, Subregional Geologic Section.
20-0037	ML11221A328	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.3, Geologic Section Through Plant Area.
20-0038	ML11221A329	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.71, Graphic Log and Elastic Moduli Sta. L-61+00.
20-0039	ML11221A330	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.222, Borrow Investigation.
20-0040	ML11221A331	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.281, Category I Conduit Banks Section F-F, Sheet 1 of 2.
20-0041	ML11221A332	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.281, Category I Conduit Banks Section F-F.
20-0042	ML11221A333	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.549, ERCW Pipeline Section A-A.
20-0043	ML11221A334	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5.549, ERCW Pipeline Section A-A.
20-0044	ML11221A335	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-549, ERCW Pipeline Section A-A.

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20-0045	ML11221A336	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-549, ERCW Pipeline Section A-A Sheet 4 of 4.
20-0046	ML11221A341	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-550, ERCW Pipelin Seciton B-B.
20-0047	ML11221A344	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-551, ERCW Pipeline Section C-C.
20-0048	ML11221A345	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-554, Category I Electrical Conduits, Section F-F, Sheet 1 of 2.
20-0049	ML11221A346	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-554, Category I Electrical Conduits Section F-F Sheet 2 of 2.
20-0050	ML11221A347	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-555, Category I Electrical Conduits Section G-G.
20-0051	ML11221A348	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-556, Category I Electrical Conduits Section H-H.
20-0052	ML11221A349	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-571, ERCW Pipeline, Section A-A Sheet 1 of 4.
20-0053	ML11221A350	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-571, ERCW Pipeline, Section A-A, Sheet 2 of 4.
20-0054	ML11221A351	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-571, ERCW Pipeline Section A-A Sheet 3 of 4.
20-0055	ML11221A352	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-571, ERCW Pipeline Section A-A, Sheet 4 of 4.
20-0056	ML11221A358	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-576, Category I Electrical Conduits, Section F-F, Sheet 2 of 2.
20-0057	ML11221A359	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-577, Category I Electrical Conduits Section G-G.
20-0058	ML11221A360	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Category I Electrical Conduits Section H-H, Figure 2.5-578.
20-0059	ML11221A361	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Miscellaneous ERCW Piping and IE Conduit Soil Borings, Figure 2.5-579.

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20-0060	ML11221A362	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-583.
20-0061	ML11221A363	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-588.
20-0062	ML11221A364	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-572, ERCW Pipeline Section B-B.
20-0063	ML11221A365	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-573, ERCW Pipeline Section C-C.
20-0064	ML11221A366	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-576, Category I Electrical Conduits Section F-F, Sheet 1 of 2.
20-0065	ML11221A367	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-589.
20-0066	ML11221A379	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-602, R0, Underground Barrier Trench B, STA 1 + 00.
20-0067	ML11221A381	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-603, Underground Barrier Trench B, STA 2 + 50.
20-0068	ML11221A382	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-604, Underground Barrier Trench B, STA 3 + 00.
20-0069	ML11221A383	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-605, Underground Barrier Trench B, STA 4 + 50.
20-0070	ML11221A384	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-594, Underground Barrier Trench A, STA 1 + 78.
20-0071	ML11221A385	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-595, Underground Barrier Trench A, STA 3 + 78.
20-0072	ML11221A386	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-596, Underground Barrier Trench A, STA 3 + 78.
20-0073	ML11221A387	12/17/2010	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-597, Underground Barrier Trench A, STA 7 + 78.
20-0074	ML112232205	08/23/2011	Watts Bar Nuclear Plant, Unit 2 - Closeout of Generic Letter 2008-01, "Managing Gas Accumulation in Emergency Containment Spray System" (Tac No. MD6717).

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ID#	Accession Number	Document Date	Title
20-0075	ML11227A207	08/15/2011	Press Release-II-11-044: NRC Schedules Public Meeting for Aug. 24 to Discuss Watts Bar Unit 2 Construction Project.
20-0076	ML11227A254	08/09/2011	Watts Bar, Unit 2 - Submittal of Pre-Op Test Instruction 2-PTI-072-02, Rev 0, "Containment Spray System Air Flow Test."
20-0077	ML11228A046	08/10/2011	Watts Bar, Unit 2 - Submittal of Complete Version of Developmental Revision of the Technical Specifications and Technical Specifications Bases.
20-0078	ML11228A047	08/10/2011	Watts Bar, Unit 2 - Technical Specifications (Developmental Revision F), Enclosure 1.
20-0079	ML11228A048	08/10/2011	Watts Bar, Unit 2 - Technical Specifications Bases (Developmental Revision F), Enclosure 2.
20-0080	ML11229A020	08/12/2011	Watts Bar Nuclear Plant (WBN), Unit 2 - Safety Evaluation Report Supplement 22 (SSER22) - Response to NRC Required Action Item.
20-0081	ML11231A667	08/17/2011	Watts Bar, Unit 2 - Submittal of Pre-Op Test Instruction, 2-PTI-090-01, Revision 0, "Radiation Monitors - Area Dose Rate."
20-0082	ML112350646	08/22/2011	Watts Bar, Unit 2 - Response to Request for Additional Information on the Determination of the 50 Mile Population Dose.
20-0083	ML11236A158	08/12/2011	Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Safety Analysis Report (FSAR), Amendment 105.
20-0084	ML112430549	08/31/2011	08/24/2011 Meeting Summary with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant Unit 2 Construction Project.
20-0085	ML112430555	08/31/2011	08/24/2011 Agenda for Public Meeting with NRC and Watts Bar Nuclear Plant Unit 2.
20-0086	ML112430561	09/01/2011	08/24/2011 TVA Presentation - WBN Unit 2 WRAG Presentation.
20-0087	ML112430566	09/01/2011	08/24/2011 NRC Slides for Watts Bar Nuclear 2 Public Meeting.
20-0088	ML112430571	09/01/2011	08/24/2011 NRC Presentation-Watts Bar Unit 2 Construction Status Public Meeting.
20-0089	ML112430582	09/01/2011	08/24/2011 Watts Bar Nuclear Plant Unit 2 Attendees List.
20-0090	ML112440576	09/01/2011	Watts Bar, Unit 2 - Safety Evaluation Report Supplement 22 - Response to NRC Required Action Item 11.
20-0091	ML112440649	09/01/2011	Watts Bar Unit 2 - Mid-Cycle Assessment Letter (NRC Inspection Report 05000391-12-601).
20-0092	ML11249A046	08/31/2011	Browns Ferry, Units 1, 2 & 3, Sequoyah, Units 1 & 2 and Watts Bar, Units 1 & 2 - Organization Topical Report, TVA-NPOD89-A.

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20-0093	ML11252A530	09/09/2011	Watts Bar Nuclear Plant, Unit 1 - Anticipated License Amendment Requests.
20-0094	ML11256A049	09/08/2011	Watts Bar, Unit 2 - Submittal of Pre-op Test Instruction No. 2-PTI-067-03, Rev. 0, "ERCW Valve Logic Test."
20-0095	ML11257A155	08/11/2011	2011/08/11 Watts Bar 2 OL - NRC PM Open Items List 8-12-11.docx
20-0096	ML11257A156	09/09/2011	2011/09/09 Watts Bar 2 OL - Updated Appendix HH Status Table
20-0097	ML11257A157	09/09/2011	2011/09/09 Watts Bar 2 OL - RE: Question - FSAR Figure 9.2-23
20-0098	ML11257A158	09/09/2011	2011/09/09 Watts Bar 2 OL - NRC PM Open Items List 9-12-11 .docx
20-0099	ML11257A159	09/08/2011	2011/09/08 Watts Bar 2 OL - billcopy markup Watts Bar 2 APPENDIX HH Status 9-8-11 (2).docx
20-0100	ML11257A163	09/08/2011	2011/09/08 Watts Bar 2 OL - TVA letter to NRC_09-08-11_2-PTI-067-03 transmittal to NRC
20-0101	ML11257A165	09/08/2011	2011/09/08 Watts Bar 2 OL - NRC PM Open Items List 9-9-11 Rev 1
20-0102	ML11257A177	09/08/2011	2011/09/08 Watts Bar 2 OL - NRC PM Open Items List 9-9-11.docx
20-0103	ML11257A179	09/07/2011	2011/09/07 Watts Bar 2 OL - NRC PM Open Items List 9-8-11.docx
20-0104	ML11257A180	09/06/2011	2011/09/06 Watts Bar 2 OL - NRC PM Open Items List 9-7-11.docx
20-0105	ML11257A181	09/08/2011	2011/09/08 Watts Bar 2 OL - FW: Tables to be revised
20-0106	ML11257A209	08/12/2011	2011/08/12 Watts Bar 2 OL - TVA lette to NRC_08-12-2011_WBN U2 FSAR A105
20-0107	ML11257A210	08/12/2011	2011/08/12 Watts Bar 2 OL - NRC PM Open Items List 8-15-11.docx
20-0108	ML11257A224	08/11/2011	2011/08/11 Watts Bar 2 OL - TVA letter to NRC_08-10-11_TS - TS BASES - REVISION F
20-0109	ML11257A225	08/12/2011	2011/08/12 Watts Bar 2 OL - TVA letter to NRC_08-12-11 - SSER Open Item 30 Response
20-0110	ML11257A226	08/15/2011	2011/08/15 Watts Bar 2 OL - NRC PM Open Items List 8-16-11.docx
20-0111	ML11257A227	08/16/2011	2011/08/16 Watts Bar 2 OL - Review of outstanding open items in the I&C Open Item List
20-0112	ML11257A228	08/11/2011	2011/08/11 Watts Bar 2 OL - NRC Questions on GA-ESI Qualification Report 04308800
20-0113	ML11257A233	08/17/2011	2011/08/17 Watts Bar 2 OL - 8-17-11_Pre-op Test Instruction 2-PTI-090-01 ltr to NRC_NRC ccs.pdf - Adobe Acrobat Professional
20-0114	ML11257A235	08/19/2011	2011/08/19 Watts Bar 2 OL - NRC PM Open Items List 8-22-11.docx

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20-0115	ML11257A236	09/01/2011	2011/09/01 Watts Bar 2 OL - TVA letter to NRC_09-01-2011_I&C RAI Response
20-0116	ML11257A237	09/01/2011	2011/09/01 Watts Bar 2 OL - NRC PM Open Items List 9-6-11.docx
20-0117	ML11257A283	09/01/2011	2011/09/01 Watts Bar 2 OL - TVA letter to NRC_2011-09-01 - SSER Open Item 11 Response
20-0118	ML11257A285	09/01/2011	2011/09/01 Watts Bar 2 OL - TVA letter to NRC_09-01-2011_Code Transition Timing Clarification
20-0119	ML11257A286	09/01/2011	2011/09/01 Watts Bar 2 OL - TVA letter to NRC_09-01-2011_N801 N802 Relief Request
20-0120	ML11257A289	08/29/2011	2011/08/29 Watts Bar 2 OL - NRC PM Open Items List 8-30-11.docx
20-0121	ML11257A299	08/29/2011	2011/08/29 Watts Bar 2 OL - DRAFT Fire Protection RAIs to be used during the public meeting
20-0122	ML11257A300	08/30/2011	2011/08/30 Watts Bar 2 OL - Typo in Letter Dated May 6, 2011
20-0123	ML11257A301	08/31/2011	2011/08/31 Watts Bar 2 OL - RE: Revision to the handout for tomorrow's fire protection meeting
20-0124	ML11257A302	08/22/2011	2011/08/22 Watts Bar 2 OL - FW: NRC PM Open Items List 8-26-11.docx

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ID#	Accession Number	Document Date	Protected Reason	Title
20-P001	ML111960062	08/12/2011	Security	Watts Bar Nuclear Plant, Unit 2 - Review of Individual Plant Examination Submittal - Internal Events and Internal Flood (TAC No. ME3334).
20-P002	ML111960218	08/12/2011	Security	Technical Evaluation Report by the Office of Nuclear Regulatory Research Related to Individual Plant Examination Submittal Tennessee Valley Authority Watts Bar Nuclear Plant, Unit Docket No. 50-391
20-P003	ML11223A069	12/17/2010	Security ¹	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2, Site Characteristics, Section 2.5 through Table 2.5-43.
20-P004	ML11223A070	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2, Site Characteristics, Table 2.5-44 through Figure 2.5-180.
20-P005	ML11223A071	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2, Site Characteristics, Figure 2.5-181 through Figure 2.5-610.
20-P006	ML11223A072	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3, Design of Structures, Components, Equipment, and Systems, Table of Contents through Section 3.5A.
20-P007	ML11223A073	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3, Design of Structures, Components, Equipment, and Systems, Section 3.6 through Figure 3.7-45.
20-P008	ML11223A074	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Table of Contents.

¹ TVA submitted redacted and 2.390 security versions of the FSAR. Please see the public log for the redacted versions.

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20-P009	ML11223A075	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), List of Revised Pages.
20-P010	ML11223A076	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 1, Introduction and General Description of Plant.
20-P011	ML11223A077	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2, Site Characteristics, Table of Contents through Figure 2.3-29.
20-P012	ML11223A078	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2, Site Characteristics, Section 2.4 through Figure 2.4-29.
20-P013	ML11223A079	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 2, Site Characteristics, Figure 2.4-30 through Figure 2.4-111.
20-P014	ML11223A081	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3.8 Design of Category I Structures Through Figure 3.8.4-80.
20-P015	ML11223A082	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 3.8.5 Foundations & Concrete Supports Through Table 3.11-2 Compliance With NRC Criteria And Standards.
20-P016	ML11223A083	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 4, Table of Contents Through Figure 4.4-6 Location of Incore Instrumentation System fixed Incore Detector Core Exit Thermocouples and IITAs (Unit 2).

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20-P017	ML11223A084	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 5 - Reactor Coolant System.
20-P018	ML11223A085	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 6 - Engineered Safety Features, Pages 6.1-1 through 6.2.6-30.
20-P019	ML11223A086	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 6 - Engineered Safety Features, Pages 6.3-1 through 6.9-2.
20-P020	ML11223A087	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 7 - Instrumentation And Controls.
20-P021	ML11223A088	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 8 - Electric Power.
20-P022	ML11223A089	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 9 - Auxiliary Systems, Pages 9.1-1 through 9.3-158.
20-P023	ML11223A090	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 9 - Auxiliary Systems, Pages 9.4-1 through 9.5-66.
20-P024	ML11223A124	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 10 - Main Steam & Power Conversion System.
20-P025	ML11223A125	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 11 - Radioactive Waste Management.

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20-P026	ML11223A126	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 12 - Radiation Protection.
20-P027	ML11223A127	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 13 - Conduct of Operations
20-P028	ML11223A128	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 14 - Initial Test Program.
20-P029	ML11223A129	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 15 - Accident Analyses.
20-P030	ML11223A131	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 16 - Technical Specifications.
20-P031	ML11223A132	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Section 17 - Quality Assurance.
20-P032	ML11223A145	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Table 6.2.4-1 - Containment Penetrations and Barriers.
20-P033	ML11223A149	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-281 - Category I Conduit Banks, Section F-F, Sheet 1 of 2.
20-P034	ML11223A150	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-281 - Category I Conduit Banks, Section F-F, Sheet 2 of 2.

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20-P035	ML11223A151	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.4-549 - ERCW Pipeline, Section A-A, Sheet 1 of 4.
20-P036	ML11223A152	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-3 - Subregional Geologic Section.
20-P037	ML11223A153	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-11 - Geologic Section Through Plant Area.
20-P038	ML11223A154	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-71 - Graphic Log and Elastic Moduli STA. L-61+00.
20-P039	ML11223A155	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-222 - Borrow Investigation.
20-P040	ML11223A156	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-549 - ERCW Pipeline, Section A-A, Sheet 2 of 4.
20-P041	ML11223A157	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-549 - ERCW Pipeline, Section A-A, Sheet 3 of 4.
20-P042	ML11223A158	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-549 - ERCW Pipeline, Section A-A, Sheet 4 of 4.
20-P043	ML11223A160	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-550 - ERCW Pipeline, Section B-B.
20-P044	ML11223A161	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-551, ERCW Pipeline, Section C-C, Figure 2.5-551.

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20-P045	ML11223A162	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-554, Category I Electrical Conduits, Section F-F, Sheet 1 of 2, Figure 2.5-554.
20-P046	ML11223A163	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-554, Category I Electrical Conduits, Section F-F, Sheet 2 of 2, Figure 2.5-554.
20-P047	ML11223A164	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-555, Category I Electrical Conduits, Section G-G, Figure 2.5-555.
20-P048	ML11223A165	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-556, Category I Electrical Conduits, Section H-H, Figure 2.5-556.
20-P049	ML11223A166	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.6-571, ERCW Pipeline, Section A-A, Sheet 1 of 4, Figure 2.5-571.
20-P050	ML11223A167	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.6-571, ERCW Pipeline, Section A-A, Sheet 2 of 4, Figure 2.5-571.
20-P051	ML11223A168	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.6-571, ERCW Pipeline, Section A-A, Sheet 3 of 4, Figure 2.5-571.

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20-P052	ML11223A169	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.6-571, ERCW Pipeline, Section A-A, Sheet 4 of 4, Figure 2.5-571.
20-P053	ML11223A172	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), ERCW Pipeline, Section B-B, Figure 2.5-572.
20-P054	ML11223A173	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), ERCW Pipeline, Section C.C, Figure 2.5-573.
20-P055	ML11223A174	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Category 1 Electrical Conduits, Section F-F, Sheet 1 of 2, Figure 2.5-576.
20-P056	ML11223A175	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Category 1 Electrical Conduits, Section F-F, Sheet 2 of 2, Figure 2.5-576.
20-P057	ML11223A176	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Category 1 Electrical Conduits Section G-G, Figure 2.5-577.
20-P058	ML11223A177	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Category 1 Electrical Conduits Section H-H, Figure 2.5-578.
20-P059	ML11223A178	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Miscellaneous ERCW Piping and IE Conduit Soil Borings, Figure 2.5-579.
20-P060	ML11223A179	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-583.

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20-P062	ML11223A182	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-589.
20-P063	ML11223A356	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-594, Yard - Underground Barrier Trench A STA 1+78.
20-P064	ML11223A357	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-595, Yard - Underground Barrier Trench A STA 3+78.
20-P065	ML11223A358	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-596, Yard - Underground Barrier Trench A STA 5+78.
20-P066	ML11223A359	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-597, Yard - Underground Barrier Trench A STA 7+78.
20-P067	ML11223A360	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-602, Revision 0, Yard - Underground Barrier Trench B STA 1+00.
20-P068	ML11223A361	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-603, Yard - Underground Barrier Trench B STA 2+50.
20-P069	ML11223A362	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-604, Yard - Underground Barrier Trench B STA 3+00.
20-P070	ML11223A363	12/17/2010	Security	Watts Bar Nuclear Plant, Unit 2 - Amendment 102 to Final Safety Analysis Report (FSAR), Figure 2.5-605, Yard - Underground Barrier Trench B STA 4+50.

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20-P071	ML11227A257	08/05/2011	Fire Protection	Watts Bar, Unit 2 - Request for Additional Information (RAI) Group 6 Regarding "Fire Protection Report" (TAC No. ME3091).
20-P072	ML11230A385	08/15/2011	Fire Protection	Watts Bar Nuclear Plant (WBN) Unit 2 - Transmittal of Revised Unit 1 / Unit 2 As-Designed Fire Protection Report (TAC NO. ME3091).
20-P073	ML11230A387	08/15/2011	Fire Protection	Enclosure 1 - Revised Unit 1/ Unit 2 As-Designed "Fire Protection Report".
20-P074	ML11230A389	08/15/2011	Fire Protection	Part VI - Fire Hazards Analysis, Table of Contents through Page VI-880.
20-P075	ML11230A391	08/15/2011	Fire Protection	Part VI - Fire Hazards Analysis, Page VI-881 through End.
20-P076	ML11242A184	08/26/2011	Fire Protection	Watts Bar Nuclear Plant, Units 1 and 2 - Rev. 30 to Emergency Plan Implementing Procedure, EPIP-12, "Emergency Equipment and Supplies".
20-P077	ML11245A093	05/18/2011	Fire Protection	Watts Bar Nuclear Plant (WBN) Unit 2 - Fire Protection Program - Submittal of Information to Address Commitment in Support of Response to Fire Protection Report Request for Additional Information & Revision to TVA March 16, 2011 RAI Responses.
20-P078	ML11245A094	05/18/2011	Fire Protection	Watts Bar, Unit 2 - Enclosure 1, Fire Protection Program, Unit 1/Unit 2 "As-Designed" Fire Protection Report (FPR), Part 1 - Introduction through Part V - Manual Actions, Repairs, and Emergency Lighting.
20-P079	ML11245A095	05/18/2011	Fire Protection	Watts Bar, Unit 2 - Enclosure 1, Fire Protection Program, Unit 1/Unit 2 "As-Designed" Fire Protection Report (FPR), Part VI - Fire Hazards Analysis, Table of Contents through Page VI-529.

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20-P081	ML11245A097	05/18/2011	Fire Protection	Watts Bar, Unit 2 - Enclosure 1, Fire Protection Program, Unit 1/Unit 2 "As-Designed" Fire Protection Report (FPR), Part VII - Deviations and Evaluations through End.
20-P082	ML11245A099	05/18/2011	Fire Protection	Watts Bar, Unit 2 - Enclosures 2-5, Fire Protection Program, - Updated Summary Matrix Containing the Justification for Non-Editorial Changes Not Directly Related to Unit 2 Operation for FPR Version Submitted on May 18, 2011.
20-P083	ML11257A197	08/16/2011	Fire Protection	2011/08/16 Watts Bar 2 OL - TVA letter to NRC_8-15-11_Transmittal of Revised U1-U2 FPR

September 15, 2011

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
)
TENNESSEE VALLEY AUTHORITY) Docket No. 50-391-OL
)
(Watts Bar Nuclear Plant, Unit 2))

AFFIDAVIT OF JUSTIN C. POOLE CONCERNING
MANDATORY DISCLOSURE REQUIREMENT OF 10 C.F.R. § 2.336(b)

I, Justin C. Poole, do hereby state as follows:

1. I am employed as Project Manager, Watts Bar Special Projects Branch, in the Division of Operator Reactor Licensing in the U.S. Nuclear Regulatory Commission's ("NRC") Office of Nuclear Reactor Regulation. My responsibilities include oversight of the NRC Staff's review and evaluation of the Watts Bar Nuclear Plant, Unit 2 operating license application ("OLA"). Among other things, I am managing the preparation of the hearing file and mandatory disclosures in connection with the OLA at issue in this proceeding.

2. I hereby certify that all relevant materials required to be disclosed pursuant to 10 C.F.R. §§ 2.336 and 2.1203, as modified by the parties' agreement of December 1, 2009, have been disclosed, and that the disclosures are accurate and complete for documents identified as of September 15, 2011.

3. I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge, information and belief.

A handwritten signature in black ink, appearing to read 'Justin C. Poole', with a long horizontal flourish extending to the right.

Justin C. Poole

Executed in Rockville, Maryland
this 15th day of September, 2011

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
)
TENNESSEE VALLEY AUTHORITY) Docket No. 50-391-OL
)
(Watts Bar Nuclear Plant, Unit 2))

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing "NRC STAFF'S SUPPLEMENTAL DISCLOSURE, INCLUDING HEARING FILE INDEX, PROTECTED INDEX, AND AFFIDAVIT OF JUSTIN C. POOLE," dated September 15, 2011, have been served upon the following by the Electronic Information Exchange, this 15th day of September, 2011:

Administrative Judge
Lawrence G. McDade, Chair
Atomic Safety and Licensing Board Panel
U.S. Nuclear Regulatory Commission
Mail Stop: T-3 F23
Washington, DC 20555-0001
E-mail: lqm1@nrc.gov

Office of Commission Appellate
Adjudication
U.S. Nuclear Regulatory Commission
Mail Stop: O-16G4
Washington, DC 20555-0001
E-mail: OCAAMAIL.resource@nrc.gov

Administrative Judge
Paul B. Abramson
Atomic Safety and Licensing Board Panel
U.S. Nuclear Regulatory Commission
Mail Stop: T-3 F23
Washington, DC 20555-0001
E-mail: pba@nrc.gov

Office of the Secretary
Attn: Rulemaking and Adjudications Staff
Mail Stop: O-16G4
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: Hearing.Docket@nrc.gov

Administrative Judge
Gary S. Arnold
Atomic Safety and Licensing Board Panel
U.S. Nuclear Regulatory Commission
Mail Stop: T-3 F23
Washington, DC 20555-0001
E-mail: gxa1@nrc.gov

Edward Vigluicci, Esq.
Christopher C. Chandler, Esq.
Scott A. Vance, Esq.
Tennessee Valley Authority
400 West Summit Hill Drive, WT 6A-K
Knoxville, TN 37902
E-mail: ejvigluicci@tva.gov
ccchandler0@tva.gov
savance@tva.gov

Kathryn M. Sutton, Esq.
Paul M. Bessette, Esq.
Morgan, Lewis & Bockius, LLP
1111 Pennsylvania Avenue, NW
Washington, D.C. 20004
E-mail: ksutton@morganlewis.com
E-mail: pbessette@morganlewis.com

Diane Curran
for Southern Alliance for Clean Energy
(SACE)
Harmon, Curran, Spielberg & Eisenberg, LLP
1726 M Street N.W., Suite 600
Washington, DC 20036
E-mail: dcurran@harmoncurran.com

/Signed (electronically) by/

David E. Roth
Counsel for NRC Staff
U.S. Nuclear Regulatory Commission
Office of the General Counsel
Mail Stop O15-D21
Washington, DC 20555
Telephone: (301) 415-2749
E-mail: David.Roth@nrc.gov
Signed: September 15, 2011