

September 15, 2010

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

L. McDade  
P. Abramson  
G. Arnold

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On or around September 15, 2010, 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](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, 2010.

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**

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<b>ID#</b>	<b>Accession Number</b>	<b>Document Date</b>	<b>Title</b>
08-0001	ML100190443	08/12/2010	Watts Bar Nuclear Plant, Unit 2 - Safety Evaluation Regarding Generic Letter 1995-07, "Pressure Locking and Thermal Binding of Safety-Related Power-Operated Gate Valves" (TAC MD6717).
08-0002	ML102180055	08/11/2010	08/03/2010 Summary of Meeting with Tennessee Valley Authority Regarding Watts Bar Unit 2 Final Safety Analysis Report Review.
08-0003	ML102240382	08/11/2010	Watts Bar, Unit 2 - NRC August 3-4, 2010 Instrumentation and Controls Meeting - Request for Additional Information.
08-0004	ML102240384	08/02/2010	Nuclear Power Group Calculation Titled "Segmentation Analysis for Watts Bar Unit 2 DCS (Distributed Control System)," dated August 2, 2010, Revision 0, Enclosure 2.
08-0005	ML102280036	08/10/2010	2010/08/10 Watts Bar 2 OL - TVA Letter to NRC - Fire Protection Program_8-9-10
08-0006	ML102280037	08/13/2010	2010/08/13 Watts Bar 2 OL - Tuesday SAMA Meeting Confirmation
08-0007	ML102280063	08/06/2010	2010/08/06 Watts Bar 2 OL - FW: Common Q documents for submittal (I&C review).
08-0008	ML102280064	08/05/2010	2010/08/05 Watts Bar 2 OL - Bucket List (Open Items for licensing)
08-0009	ML102280066	07/12/2010	2010/07/12 Watts Bar 2 OL - Code of Record (regarding 10 c.f.r. 50.55a)
08-0010	ML102280069	08/02/2010	2010/08/02 Watts Bar 2 OL - 7-30-10_GL 95-07 RAI Response to NRC
08-0011	ML102280070	07/30/2010	2010/07/30 Watts Bar 2 OL - Seismic I(L) Definition for Equipment Qualification
08-0012	ML102280072	07/28/2010	2010/07/28 Watts Bar 2 OL - RE: For Your Action - Watts Bar Unit 2 - GL 1995-07
08-0013	ML102280073	08/02/2010	2010/08/02 Watts Bar 2 OL - Personnel and Proposed Agenda for 8/3/ Meeting - Rev 1
08-0014	ML102280074	07/29/2010	2010/07/29 Watts Bar 2 OL - 7-29-10_TVA letter_Antitrust Review
08-0015	ML102280076	07/14/2010	2010/07/14 Watts Bar 2 OL - TVA letter to NRC - RAI Ch. 7 I&C Common Q Proprietary Documents
08-0016	ML102280077	07/14/2010	2010/07/14 Watts Bar 2 OL - FW: TVA letter to NRC - RAI Ch. 7 I&C Common Q Proprietary Documents
08-0017	ML102280123	07/23/2010	2010/07/23 Watts Bar 2 OL - SAMA RAI

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08-0018	ML102280124	08/02/2010	2010/08/02 Watts Bar 2 OL - 7-30-10_TVA letter to NRC--RAI--Instrument and Controls response
08-0019	ML102280125	08/02/2010	2010/08/02 Watts Bar 2 OL - FSAR RAI Responses Submittal_ 7-31-10 (multiple FSAR sections)
08-0020	ML102280127	08/03/2010	2010/08/03 Watts Bar 2 OL - FYI: 7-30-10_GL 95-07 RAI Response to NRC
08-0021	ML102280129	08/04/2010	2010/08/04 Watts Bar 2 OL - Watts Bar Unit 2 - GL 1983-28 - Items 3.1, 3.2, 4.2, and 4.5
08-0022	ML102280130	08/04/2010	2010/08/04 Watts Bar 2 OL - FW: Pat Milano Request re Steam Generator Tubes
08-0023	ML102280134	08/05/2010	2010/08/05 Watts Bar 2 OL - TVA letter to NRC - Response to RAI FSAR Chapter 8 'Electric Power'
08-0024	ML102280136	07/29/2010	2010/07/29 Watts Bar 2 OL - FW: NRC Open Item List
08-0025	ML102280522	08/13/2010	IR 05000391-10-606 on 06/28/2010 - 07/02/2010 for Watts Bar Nuclear Plant, Unit 2.
08-0026	ML102280585	08/12/2010	Watts Bar, Unit 2 - Request for Additional Information Regarding Individual Plant Examination.
08-0027	ML102290075	08/16/2010	Watts Bar Nuclear Plant (WBN) - Unit 2 - Change to Developmental TS Section 4.2.2, "Control Rod Assemblies".
08-0028	ML102290258	07/31/2010	Watts Bar, Unit 2 - Final Safety Analysis Report - Response to Preliminary Requests for Additional Information and Requests for Additional Information.
08-0029	ML102290350	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Response to Request for Additional Information re Licensee's Final Safety Analysis Report Amendment Related to Chapter 8, Electric Power.
08-0030	ML102290383	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-17 (Dwg No. 1-45W724-2, R24).
08-0031	ML102290384	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-18 (Dwg No. 1-45W724-3, R23).
08-0032	ML102290385	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-19 (Dwg No. 1-45W724-4, R20).
08-0033	ML102290386	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-20 (Dwg No. 1-45W749-1, R58).

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08-0034	ML102290387	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-14C (Dwg No. 1-45W760-82-1A, R8).
08-0035	ML102290388	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-14D (Dwg No. 1-45W760-82-1B, R8).
08-0036	ML102290389	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-14E (Dwg No. 1-45W760-82-1C, R8).
08-0037	ML102290390	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-15 (Dwg No. 1-45W731, R23).
08-0038	ML102290391	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-16 (Dwg No. 1-45W724-1, R24).
08-0039	ML102290392	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-20A (Dwg No. 1-45W749-1A, R37).
08-0040	ML102290403	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-24 (Dwg No. 1-45W727, R20).
08-0041	ML102290404	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-24A (Dwg No. 1-45W728-1, R10).
08-0042	ML102290405	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-21(Dwg No. 1-45W749-2, R54).
08-0043	ML102290406	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-22 (Dwg No. 1-45W749-3, R56).
08-0044	ML102290407	08/05/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report Figure 8.3-22A (Dwg No. 1-45W749-03A, R38).
08-0045	ML102290408	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-23 (Drwing No. 1-45W749-4, R61).
08-0046	ML102290409	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-24B (Dwg No. 1-45W728-2, R3).
08-0047	ML102290410	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-24C (Dwg No. 1-45W760-82-20, R6).
08-0048	ML102290411	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-24D (Dwg No. 1-45W760-82-21, R3).

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08-0049	ML102290414	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-23A (Dwg No. 145W749-4A, R40).
08-0050	ML102290439	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3.25E (Dwg No. 1-45W760-82-2C, R8).
08-0051	ML102290440	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3.25A (Dwg No. 1-45W760-82-12, R7).
08-0052	ML102290441	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-25B (Dwg No. 1-45W760-82-2, R17).
08-0053	ML102290442	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-25C (Dwg No. 1-45W760-82-2A, R7).
08-0054	ML102290443	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3.25D (Dwg No. 1-45W760-82-2B, R8).
08-0055	ML102290444	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-26A (Dwg No. 1-45W60-82-13, R4).
08-0056	ML102290445	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-26B (Dwg No. 1-45W760-82-3, R10).
08-0057	ML102290446	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-26C (Dwg No. 1-45W760-82-3A, R3).
08-0058	ML102290447	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-26D (Dwg No. 1-45W760-82-3B, R3).
08-0059	ML102290448	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-26E (Dwg No. 1-45W760-82-3C, R3).
08-0060	ML102290458	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-27E (Dwg No. 1-45W760-82-4C, R7).
08-0061	ML102290459	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-27A (Dwg No. 1-45W760-82-14, R9).
08-0062	ML102290460	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-27B (Dwg No. 1-45W760-82-4, R20).
08-0063	ML102290461	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-27C (Dwg No. 1-45W760-82-4A, R6).

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08-0064	ML102290462	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-27D (Dwg No. 1-45-W760-82-4B, R7).
08-0065	ML102290463	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 8.3-32 (Dwg No. 1-45W760-18-1, R12).
08-0066	ML102290464	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-1 (Dwg No. 1-47W845-1, R56).
08-0067	ML102290465	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-2 (Dwg No. 1-47W845-2, R76).
08-0068	ML102290466	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-3 (Dwg No. 1-47W845-3, R23).
08-0069	ML102290467	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-4 (Dwg No. 1-47W845-4, R32).
08-0070	ML102300326	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-7 (Dwg No. 1-47W611-67-3, R2).
08-0071	ML102300327	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-4A (Dwg No. 1-47W845-5, R38).
08-0072	ML102300328	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-4B (Dwg No. 1-47W845-7, R14).
08-0073	ML102300329	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-5 (Dwg No. 1-47W611-67-1, R8).
08-0074	ML102300330	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-6 (Dwg No. 1-47W611-67-2, R5).
08-0075	ML102300331	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-8 (Dwg No. 1-47W611-67-4, R5).
08-0076	ML102300332	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-9 (Dwg No. 1-47W611-67-5, R10).
08-0077	ML102300333	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-10 (Dwg No. 1-47W610-67-1, R27).
08-0078	ML102300334	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-10 SH A (Dwg No. 1-47W610-67-1A, R16).
08-0079	ML102300335	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-11



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08-0080	ML102300343	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-12 SH A (Dwg No. 1-47W610-67-3A, R7).
08-0081	ML102300344	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-13 (Dwg No. 1-47W610-67-4, R17).
08-0082	ML102300345	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-11 SH A (Dwg No. 1-47W610-67-2A, R8).
08-0083	ML102300346	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-12 (Dwg No. 1-47W610-67-3, R12).
08-0084	ML102300347	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-14 (Dwg No. 1-47W610-67-5, R14).
08-0085	ML102300348	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-14 (Dwg No. 1-47W610-67-5A, R2).
08-0086	ML102300349	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-16 (Dwg No. 1-47W859-4, R23).
08-0087	ML102300350	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-17 (Dwg No. 1-47W859-3, R18).
08-0088	ML102300351	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-18 (Dwg No. 1-47W859-2, R36).
08-0089	ML102300352	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-19 (Dwg No. 1-47W859-1, R47).
08-0090	ML102300360	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-23 (Dwg No. 1-47W611-70-1, R9).
08-0091	ML102300361	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-20 (Dwg No. 1-47W610-70-1, R23).
08-0092	ML102300362	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-21 (Dwg No. 1-47W610-70-2, R29).
08-0093	ML102300363	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-21A (Dwg No. 1-47W610-70-2A, R15).
08-0094	ML102300364	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-22 (Dwg No. 1-47W610-70-3, R17).



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08-0095	ML102300365	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-24 (Dwg No. 1-47W611-70-2, R11).
08-0096	ML102300367	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-25 (Dwg No. 1-47W611-70-3, R4).
08-0097	ML102300368	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.2-25A (Dwg No. 1-47W611-70-4, R4).
08-0098	ML102300369	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-1 (Dwg No. 1-47W610-32-1, R15).
08-0099	ML102300370	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-2 (Dwg No. 1-47W610-32-2, R19).
08-0100	ML102300373	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-6 (Dwg No. 1-47W848-1, R24).
08-0101	ML102300374	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-6A (Dwg No. 1-47W848-10, R22).
08-0102	ML102300375	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-3 (Dwg No. 1-47W611-32-1, R5).
08-0103	ML102300376	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-4 (Dwg No. 1-47W611-32-2, R5).
08-0104	ML102300377	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-5A (Dwg No. 1-47W846-02, R37).
08-0105	ML102300378	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-15 SH 1 (Dwg No. 1-47W809-1, R59).
08-0106	ML102300379	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.3-15 (Dwg No. 1-47W809-2, R22).
08-0107	ML102300380	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.4-2 (Dwg No. 1-47W865-3, R19).
08-0108	ML102300381	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.4-3 (Dwg No. 1-47W865-7, R22).
08-0109	ML102300382	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.5-20 SH B (Dwg No. 1-47W840-1B, R11).

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08-0111	ML102300394	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.5-21 (Dwg No. 1-47W610-18-1, R14).
08-0112	ML102300395	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.4-24 (Dwg No. 1-47W839-1, R17).
08-0113	ML102300396	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.5-25 (Dwg No. 1-47W610-82-1, R18).
08-0114	ML102300397	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.5-25A (Dwg No. 1-47W610-82-2, R7).
08-0115	ML102300398	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.5-25B (Dwg No. 1-47W610-82-3, R7).
08-0116	ML102300399	08/05/2010	Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Figure 9.5-25C (Dwg No. 1-47W610-82-4, R7).
08-0117	ML102300638	08/19/2010	09/01/10 - 09/02/10 Notice of Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Submittals Relating to Chapter 7.
08-0118	ML102350530	08/19/2010	FEMA Letter RE: Watts Bar Nuclear (WBN) Unit 2 Qualifying Exercises.
08-0119	ML102360201	08/27/2010	Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding Licensee's Final Safety Analysis Report Amendment Related to Chapters 11, "Radioactive Waste Management" and 12, "Radiation Protection" (TAC No. ME2731).
08-0120	ML102360705	08/25/2010	Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding Final Safety Analysis Report Related to Instrumentation and Controls (TAC No. ME2371).
08-0121	ML102371202	08/25/2010	2010/08/25 Watts Bar 2 OL - Preliminary Additional RAIs Chapters 11 and 12
08-0122	ML102371323	08/12/2010	2010/08/12 Watts Bar 2 OL - Bucket List 8/12/10 (Open Item List for licensing)
08-0123	ML102371324	08/11/2010	2010/08/11 Watts Bar 2 OL - Watts Bar 2 I&C documents available for audit
08-0124	ML102371325	08/12/2010	2010/08/12 Watts Bar 2 OL - RE: Next Tuesdays Agenda (FSAR submittal meeting)

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08-0125	ML102371326	08/16/2010	2010/08/16 Watts Bar 2 OL - Information you requested for the FR Notice and Distribution for the DSFES
08-0126	ML102371327	08/18/2010	2010/08/18 Watts Bar 2 OL - No Bucket list call today
08-0127	ML102371329	08/17/2010	2010/08/17 Watts Bar 2 OL - 8-16-10_Control Rod Assemblies TS Change Submittal_NRC FINAL
08-0128	ML102371330	08/19/2010	2010/08/19 Watts Bar 2 OL - Bucket List 8/19/10 (Open Item list for licensing)
08-0129	ML102371331	08/18/2010	2010/08/18 Watts Bar 2 OL - Documents sent to Westinghouse Rockville office
08-0130	ML102371343	08/20/2010	2010/08/20 Watts Bar 2 OL - GSI 191 Testing
08-0131	ML102380256	08/20/2010	Watts Bar Unit 2 - Instrumentation and Controls Staff Information Requests.
08-0132	ML102380431	09/08/2010	Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding licensee's Final Safety Analysis report Amendment Related to chapter 14, "Initial test Program" (Tac No. ME2731).
08-0133	ML102390473	08/25/2010	2010/08/25 Watts Bar 2 OL - Bucket List (Open Item list for licensing)
08-0134	ML102420582	10/06/2009	2009 Watts Bar FEMA Final Exercise Report.
08-0135	ML102420625	09/07/2010	Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding Section 3.5 of the Preservice Inspection Program Plan.
08-0136	ML102420679	08/30/2010	Watt Bar, Unit 2 - Submittal of Pre-op Test Instruction Startup 2-PTI-030A-01, "Auxiliary Building ESF Coolers".
08-0137	ML102430175	09/07/2010	Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information from the Vessels Internals Integrity Branch Regarding Preservice Inspection Program Plan.
08-0138	ML102440303	09/01/2010	Watts Bar, Unit 2 - Request for Additional Information (RAI) Regarding Final Safety Analysis Report Amendment Related Section 3.11.
08-0139	ML102450523	09/01/2010	MD-Cycle Assessment Letter - Watts Bars Nuclear Plant Unit 2 (NRC Inspection Report 05000391-11-601).
08-0140	ML102450636	09/02/2010	09/15/2010 Notice of Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Submittals

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08-0141	ML102450649	09/02/2010	09/15/2010 Notice of Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Regarding Chapter 7 Instrumentation and Controls.
08-0142	ML102460080	09/03/2010	2010/03/09 - Letter from Edward L. Williamson to Christine A. Varney Requesting Consultation on TVA Antitrust Submittal.
08-0143	ML102500168	09/01/2010	2010/09/01 Watts Bar 2 OL - For Your Action - Watts Bar Unit 2 - Follow-Up Action to TVA Letter Dated October 1, 2008 - Generic Letter 2008-01
08-0144	ML102500170	09/01/2010	2010/09/01 Watts Bar 2 OL - 9-01-10_ TVA letter to NRC - RAI Responses - FSAR Section 3.11
08-0145	ML102500171	09/01/2010	2010/09/01 Watts Bar 2 OL - TVA letter to NRC - WBN U2 FSAR A100
08-0146	ML102510580	08/30/2010	Watts Bar Nuclear Plant, Unit 2 - Final Safety Analysis Report (FSAR) - Response to Requests for Additional Information.
08-0147	ML102520435	09/07/2010	Watts Bar, Unit 2, Denial of Notice of Violation, 05000391/2010603-08, Failure to Adequately Evaluate and Qualify Molded Case Circuit Breakers.
08-0148	ML102530216	09/01/2010	Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Safety Analysis Report (FSAR), Amendment 100.
08-0149	ML102571774	09/10/2010	2010/09/10 Watts Bar 2 OL - FW: Open Items List to be sent to TVA (Word version)
08-0150	ML102571776	09/10/2010	2010/09/10 Watts Bar 2 OL - FW: Excerpt from 08/27 NRC Letter
08-0151	ML102571779	09/10/2010	2010/09/10 Watts Bar 2 OL - 9-9-10 - TVA letter to NRC_RAI FSAR I&C_Ltr for Summary of U1 50 59 9910
08-0152	ML102571781	09/09/2010	2010/09/09 Watts Bar 2 OL - Bucket List 9-9-10 (Open Item list for licensing)
08-0153	ML102571783	09/08/2010	2010/09/08 Watts Bar 2 OL - 9-7-10_ TVA Response to NRC IR 2010603 NOV_FINAL
08-0154	ML102571786	09/07/2010	2010/09/07 Watts Bar 2 OL - FW: Updated NRC I&C RAI Matrix
08-0155	ML102571787	08/31/2010	2010/08/31 Watts Bar 2 OL - 08-30-10 TVA letter to NRC - FSAR RAI Responses
08-0156	ML102571908	08/30/2010	2010/08/30 Watts Bar 2 OL - Open item list I&C Matrix
08-0157	ML102571909	08/27/2010	2010/08/27 Watts Bar 2 OL - FW: I/A documentation (I&C review)

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08-0158	ML102571910	08/17/2010	2010/08/17 Watts Bar 2 OL - FW: LISTING OF 2010 I&C DOCS SENT TO NRC AND KNOWN FUTURE SUBMITTALS
08-0159	ML102571912	08/25/2010	2010/08/25 Watts Bar 2 OL - FW: Updated NRC RAI Matrix and reference documents
08-0160	ML102571913	08/31/2010	2010/08/31 Watts Bar 2 OL - As Requested - Draft Agenda for ACRS S/C Regarding Watts Bar Unit 2

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08-P001	ML102250233	08/13/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts, Unit 2 - Response to Open Item ETE-1 Regarding the Radiological Emergency Plan.
08-P002	ML102290257	06/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 3 of 10.
08-P003	ML102290259	06/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 4 of 10.
08-P004	ML102290264	12/09/2008	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 7 of 10.
08-P005	ML102290268	11/25/2008	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 9 of 10.
08-P006	ML102290271	12/09/2008	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 8 of 10.
08-P007	ML102290279	07/31/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 12, Drawings to Support Accident Dose Review, Part 1 of 2.

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08-P008	ML102290284	07/31/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 12, Drawings to Support Accident Dose Review, Part 2 of 2.
08-P009	ML102290332	07/31/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Units 1 and 2, Attachments 6, Pictorial Depiction of APS, Att. 7, AC APS Analysis, Att. 8, AC APS Analysis, Att. 9, 125V DC Vital Battery System Analysis, Att. 10, 125 V Vital Battery System Analysis and Att. 11, Atmospheric Dispersion....
08-P010	ML102290341	03/31/2009	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 2, Seismic Evaluation of Nuclear Instrumentation System Console 2-M-13 with Gammametrics Equipment for Watts Bar Unit 2, EQ-EV-39-WBT Revision 1.
08-P011	ML102290342	07/31/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 3, Report No. TR-1136, Qualification Documentation review Package for Ametek Aerospace Gulton-Statham Products, Nuclear Qualified Pressure Transmitter Series Enveloping, Gage Pressure Transmitter Series PG 3200....
08-P012	ML102290343	11/12/2004	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 4, Qualification Test Report for Environmental and Seismic Qualification of Weed Model DTN2010 Pressure Transmitters.
08-P013	ML102290344	11/30/2009	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 5, Qualification Report No. 864, Rev 0, Class 1E Qualification of Source Range, Intermediate Range and Wide Range Channels.
08-P014	ML102290431	06/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 5 of 10.



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08-P015	ML102290432	06/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 6 of 10.
08-P016	ML102290433	11/21/2008	Proprietary-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Attachment 1, Foxboro Test Results, Part 10 of 10.
08-P017	ML102290469	08/09/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Request for Additional Information Regarding Fire Protection Program.
08-P018	ML102360283	08/20/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2, Fire Protection Program, Commitment to Provide Additional Information on Multiple Spurious Operation Scenarios.
08-P019	ML102371320	08/13/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/13 Watts Bar 2 OL - This week's version of the I&C Matrix
08-P020	ML102371339	08/17/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/17 Watts Bar 2 OL - Fw: NRC RAI Matrix Update
08-P021	ML102371340	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - I&C Open Item List Master

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08-P022	ML102380255	05/31/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	WNA-SD-00250-WBT, Revision 0, "Software Design Description for the Post Accident Monitoring System AC160 Software."
08-P023	ML102380258	03/31/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	WNA-VR-00279-WBT, Revision 0, "RRAS Watts Bar 2 NSSS Completion Program I&C Projects Requirements Traceability Matrix for the Post Accident Monitoring System."
08-P024	ML102380335	08/26/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2 - TVA Supplemental Response to July 15, 2010 and August 13, 2010 Submittals Regarding the Radiological Emergency Plan.
08-P025	ML102420677	08/30/2010	Security-Related Information - Withhold Under 10CFR 2.390	Watts Bar, Unit 2 - Fire Protection Program, Commitment to Provide Summary of Changes to Fire Protection Report.
08-P026	ML102510577	01/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation TI-RPS-198, Rev 22, "Dose to Control Room Personnel Due to a Regulatory 1.4 Loss of Coolant Accident".
08-P027	ML102510578	01/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation WBNAP3078, Rev 7, "Offsite and Control Room Dose Due to a ECCS Leak Outside Containment Following a LOCA".
08-P028	ML102510579	01/29/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation WBNTSR080, Rev 6 "Control Room Operator and Offsite Doses Due to a Loss of AC Power".

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08-P029	ML102510581	01/08/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation TI-RPS-197, Rev 21, "Offsite Doses Due to a Regulatory Guide 1.4 Loss of Coolant Accident".
08-P030	ML102510582	01/29/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation WBNAPS3077, Rev 11, "Offsite and Control Room Operator Doses Due to a Main Steam Line Break".
08-P031	ML102510583	01/14/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation WBNTSR-008, Rev 11, "Control Room Operator and Offsite Doses Due to a Steam Generator Tube Rupture".
08-P032	ML102510584	04/14/2006	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation WBNTSR-064, Rev 8, "Offsite and Control Room Operator Doses Due to a Waste Gas Decay Tank Rupture".
08-P033	ML102510585	05/03/2006	Proprietary-Related Information - Withhold Under 10CFR 2.390	Calculation WBNTSR-009, Rev 11, "Control Room Operator and Offsite Doses From a Fuel Handling Accident".
08-P034	ML102510586	02/28/2006	Proprietary-Related Information - Withhold Under 10CFR 2.390	WCAP-16501-P, Rev 0, "Extension of Turbine Valve Test Frequency Up to 6 Months for BB-296 Siemens Power Generation (Westinghouse) Turbines with Steam Chests".
08-P035	ML102571770	09/02/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/09/02 Watts Bar 2 OL - 9-1-10_TVA letter to NRC - I&C RAI

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08-P036	ML102571772	09/01/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/09/01 Watts Bar 2 OL - Fw: Open item list
08-P037	ML102571848	08/20/2010	Security-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: Fire Protection Letter
08-P038	ML102571854	08/23/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/23 Watts Bar 2 OL - FW: Attachment 1, Part A.pdf - Westinghouse documents re I&C
08-P039	ML102571859	08/23/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/23 Watts Bar 2 OL - FW: Attachment 1, Part B.pdf - Westinghouse documents re I&C
08-P040	ML102571870	08/23/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/23 Watts Bar 2 OL - 8-20-10 - TVA Letter to NRC - I&C Staff Info Requests - Westinghouse documents
08-P041	ML102571876	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 10 last for today (I&C Info Requests)
08-P042	ML102571880	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 9b (I&C Info Requests)

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08-P043	ML102571886	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 9a (I&C Info Requests)
08-P044	ML102571888	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 7 (I&C Info Requests)
08-P045	ML102571892	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 8 (I&C Info Requests)
08-P046	ML102571894	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 4b (I&C Info Requests)
08-P047	ML102571899	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 4a (I&C Info Requests)
08-P048	ML102571901	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 5 (I&C Info Requests)
08-P049	ML102571902	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: NRC Docs Send 3 (I&C Info Requests)

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08-P050	ML102571903	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: Documents for the NRC (I&C Info Requests)
08-P051	ML102571904	08/20/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/20 Watts Bar 2 OL - FW: Documents for the NRC (I&C Info Requests)
08-P052	ML102571911	08/25/2010	Proprietary-Related Information - Withhold Under 10CFR 2.390	2010/08/25 Watts Bar 2 OL - FW: Updated NRC RAI Matrix and reference documents

September 15, 2010

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)

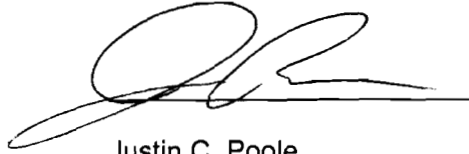
I, Justin C. Poole, do hereby state as follows:

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, 2010.



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, consisting of a large, stylized 'J' and 'P' followed by a horizontal line.

Justin C. Poole

Executed in Rockville, Maryland  
this 15th day of September, 2010

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 AND AFFIDAVIT OF JUSTIN C. POOLE," dated September 15, 2010, have been served upon the following by the Electronic Information Exchange, this 15<sup>th</sup> day of September, 2010:

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**Signed (electronically) by**

David E. Roth  
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Signed: September 15, 2010