



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555 - 0001

May 16, 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 16 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

- 2 -

May 16, 2011

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

On or around May 16, 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](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 May 16, 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 – May 16, 2011**

<b>ID#</b>	<b>Accession Number</b>	<b>Document Date</b>	<b>Title</b>
16-0001	ML103140771	11/05/2010	2010/11/05 Watts Bar 2 OL - NPDES Info
16-0002	ML110460049	02/04/2011	2011/02/04 Watts Bar 2 OL - Fw: Documents Dates to Support Common Q PAMS Audit
16-0003	ML110910464	04/13/2011	03/29/2011 Summary 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.
16-0004	ML110950406	04/19/2011	Watts Bar, Unit 2 - Request for Additional Information Regarding Generic Letter 2004-02, Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized-Water.
16-0005	ML110960765	04/25/2011	Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding Final Safety Analysis Report Related to Section 9.5.1 Fire Protection Round 3.
16-0006	ML110980761	04/27/2011	Watts Bar Nuclear Plant, Unit 2 - Audit Report of the Common Q Post Accident Monitoring System (PAMS) (TAC NO. ME2731).
16-0007	ML111010165	04/13/2011	Watts Bar, Unit 2 - Status of Operating License Application Review and Project Schedule Implications (TAC ME0553).
16-0008	ML111010490	04/06/2011	Watts Bar Unit 2 - List of Design Differences, Revision 1.
16-0009	ML111010586	04/11/2011	Watts Bar Nuclear Plant Units 1 and 2 Multi-Unit Operator Training and Certification Program, Revision 1.
16-0010	ML111030624	04/27/2011	Watts Bar Nuclear Plant, Unit 2 - Accident Analyses Audit Report Westinghouse Documents Relating to Final Safety Analysis Report Accident Analyses (TAC No. ME4620).
16-0011	ML11104A059	04/13/2011	Watts Bar, Unit 2, Response to Request For Additional Information (RAIs) Related to FSAR Sections 9.2.1 and 9.2.2.
16-0012	ML11105A213	03/16/2011	2011/03/16 Watts Bar 2 OL - FW: Please ask Westinghouse to have certain material available for the phone call Tomorrow
16-0013	ML11105A214	03/17/2011	2011/03/17 Watts Bar 2 OL - Revised Component Cooling System RAI 9.2-CSS-6
16-0014	ML11105A215	03/17/2011	2011/03/17 Watts Bar 2 OL - TVA letter to NRC_3-16-11_I&C RAI Response
16-0015	ML11105A216	03/16/2011	2011/03/16 Watts Bar 2 OL - FW: RM-1000 WBN-2 model numbers
16-0016	ML11105A217	04/07/2011	2011/04/07 Watts Bar 2 OL - TVA letter to NRC_04-06-11_SSER 22 OPEN ITEMS
16-0017	ML111080070	04/07/2011	Watts Bar, Units 1 & 2 - Response to Request for Additional Information Regarding Cyber Security Plan License Amendment Request.

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

**HEARING FILE INDEX**

**Supplemental Disclosures – May 16, 2011**

<b>ID#</b>	<b>Accession Number</b>	<b>Document Date</b>	<b>Title</b>
16-0018	ML11109A118	04/13/2011	Browns Ferry, Units 1, 2 and 3, Sequoyah, Units 1 and 2, Watts Bar, Units 1 and 2, and Bellefonte, Units 1 and 2, Service List Update for Documents Containing Official Use Only and Safeguards Information.
16-0019	ML111110513	04/21/2011	Watts Bar, Unit 2, Withdrawal of A Previous Comment.
16-0020	ML11111A122	04/19/2011	Watts Bar, Unit 2 - Submittal of Pre-Op Test Instruction, 2-PTI-030H-01, Rev. 0, "Lower Compartment Coolers. "
16-0021	ML111120435	04/25/2011	05/05/2011 Notice of Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Related to Section 7 Instrumentation and Control.
16-0022	ML11112A137	04/20/2011	Watts Bar, Unit 2, Response to Request for Additional Information Regarding Final Safety Analysis Report Section 2.4.
16-0023	ML11115A039	04/14/2011	Notice of Deviation Pursuant to 10 CFR 21, NPKC-7-21A(N) Splice Kit with Possible Compromised Jacket Seal.
16-0024	ML111160642	04/27/2011	05/10/2011 - 05/12/2011 Notice of Forthcoming Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Submittals and Environmental Review.
16-0025	ML11124A025	04/29/2011	Watts Bar, Unit 2 - Intake Pumping Station Water Velocity - Response to Request for Additional Information.
16-0026	ML11124A059	04/29/2011	Watts Bar, Unit 2, Response to Request for Additional Information on New Fuel Receipt and Storage.
16-0027	ML11124A062	04/29/2011	Watts Bar, Unit 2 - Response to Requests for Additional Information (RAIs) Regarding Inadvertent ECCS Actuation Analysis, and Chemical & Volume Control System Malfunction Analysis.
16-0028	ML11124A083	04/29/2011	Watts Bar, Unit 2 - Response to Requests for Additional Information (RAIs) Regarding Generic Letter 2004-02, Potential Impact of Debris Blockage of Emergency Recirculation During Design Basis Accidents at Pressurized-Water Reactors.
16-0029	ML111290195	05/09/2011	05/19/2011 Notice of Forthcoming Teleconference Meeting with Tennessee Valley Authority to Discuss Watts Bar Nuclear Plant, Unit 2, Final Safety Analysis Report Related to Section 7 Instrumentation and Control.
16-0030	ML111290504	05/09/2011	Watts Bar Nuclear Plant, Units 1 and 2, Multi-Unit Operator Training and Certification Program, Revision 1, Errata.

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

**HEARING FILE INDEX**

**Supplemental Disclosures – May 16, 2011**

<b>ID#</b>	<b>Accession Number</b>	<b>Document Date</b>	<b>Title</b>
16-0031	ML11129A205	05/06/2011	Watts Bar, Unit 2 - Instrumentation and Controls Staff Information Requests.
16-0032	ML111300426	05/10/2011	End of Cycle Assessment Letter - Watts Bar Nuclear Plant Unit 2 (NRC Inspection Report 05000391/2011601).
16-0033	ML11131A124	05/09/2011	Watts Bar, Unit 2 - Response to Request for Additional Information (RAI) Regarding Mitigation Strategy Assessments and Closure Process for Phases 1, 2, and 3 - Revised Response for RAI 2.
16-0034	ML11136A044	04/11/2011	2011/04/11 Watts Bar 2 OL - Open Item 360
16-0035	ML11136A045	04/12/2011	2011/04/12 Watts Bar 2 OL - Watts Bar 2 SAMDA clarifications
16-0036	ML11136A046	04/13/2011	2011/04/13 Watts Bar 2 OL - TVA letter to NRC_04-13-11_RAI Response-FSAR 9.2.1 & 9.2.2-GDC 5
16-0037	ML11136A051	04/13/2011	2011/04/13 Watts Bar 2 OL - 20110408 Open Item List Master TVA Update 04-13-11 r1.docx
16-0038	ML11136A052	04/15/2011	2011/04/15 Watts Bar 2 OL - FW: Updated Open Items List 4-15-11
16-0039	ML11136A053	04/18/2011	2011/04/18 Watts Bar 2 OL - TVA letter to NRC_04-15-11_I&C RAI Response
16-0040	ML11136A054	04/18/2011	2011/04/18 Watts Bar 2 OL - Draft Request for Additional Information regarding GL 2004-02
16-0041	ML11136A055	04/18/2011	2011/04/18 Watts Bar 2 OL - Draft Request for Additional Information regarding GL 2004-02 Round 2
16-0042	ML11136A056	04/19/2011	2011/04/19 Watts Bar 2 OL - Draft Requests for Additional Information Regarding Fire Protection Round 4
16-0043	ML11136A058	04/12/2011	2011/04/12 Watts Bar 2 OL - RE: WINCISE EDCR Excerpts Parts 1
16-0044	ML11136A059	04/12/2011	2011/04/12 Watts Bar 2 OL - WINCISE Info
16-0045	ML11136A085	04/19/2011	2011/04/19 Watts Bar 2 OL - RE: NRC I&C RAI metrics
16-0046	ML11136A086	04/19/2011	2011/04/19 Watts Bar 2 OL - TVA letter to NRC_04-19-11_2-PTI-030H-01 transmittal to NRC
16-0047	ML11136A087	04/19/2011	2011/04/19 Watts Bar 2 OL - 20110415 Open Item List Master TVA Update 04-19-11.docx
16-0048	ML11136A088	04/19/2011	2011/04/19 Watts Bar 2 OL - Need for clarification on Electrical Open Items
16-0049	ML11136A090	04/20/2011	2011/04/20 Watts Bar 2 OL - FW: NRC Bucket List

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

**HEARING FILE INDEX**

**Supplemental Disclosures – May 16, 2011**

<b>ID#</b>	<b>Accession Number</b>	<b>Document Date</b>	<b>Title</b>
16-0050	ML11136A091	04/20/2011	2011/04/20 Watts Bar 2 OL - TVA letter to NRC_04-20-11_WBN U2 FSAR 2 4 RAI Response
16-0051	ML11136A092	04/21/2011	2011/04/21 Watts Bar 2 OL - TVA letter to NRC_04-21-11_X-750 bolting_Withdrawal of commitment
16-0052	ML11136A093	04/21/2011	2011/04/21 Watts Bar 2 OL - FW: Updated Open Items List 4-21-11
16-0053	ML11136A094	04/25/2011	2011/04/25 Watts Bar 2 OL - RE: NRC I&C RAI metrics
16-0054	ML11136A097	04/26/2011	2011/04/26 Watts Bar 2 OL - 20110421 Open Item List Master TVA Update 04-26-11.docx
16-0055	ML11136A099	04/29/2011	2011/04/29 Watts Bar 2 OL - FW: NRC PM Open Items List 4-29-11
16-0056	ML11136A114	04/29/2011	2011/04/29 Watts Bar 2 OL - FW: Open Items List
16-0057	ML11136A115	05/02/2011	2011/05/02 Watts Bar 2 OL - TVA letter to NRC_04-29-11_ Response to FSAR RAIs_CVCS & ECCS
16-0058	ML11136A117	04/29/2011	2011/04/29 Watts Bar 2 OL - TVA letter to NRC_04-29-11_New Fuel Receipt - Response to RAI_Part 70 Letter
16-0059	ML11136A118	05/02/2011	2011/05/02 Watts Bar 2 OL - TVA letter to NRC_04-29-11_IPS Flow Response
16-0060	ML11136A133	05/04/2011	2011/05/04 Watts Bar 2 OL - RE: NRC I&C RAI metrics
16-0061	ML11136A135	05/04/2011	2011/05/04 Watts Bar 2 OL - 20110429 Open Item List Master TVA Update 05-04-11.docx
16-0062	ML11136A136	05/10/2011	2011/05/10 Watts Bar 2 OL - FW: Loose Part Monitoring Information
16-0063	ML11136A137	05/10/2011	2011/05/10 Watts Bar 2 OL - FW: Items to discuss with TVA this week
16-0064	ML11136A139	05/09/2011	2011/05/09 Watts Bar 2 OL - FW: Draft copy of the group 5 Fire Protection RAIs for the meeting Thursday
16-0065	ML11136A140	05/09/2011	2011/05/09 Watts Bar 2 OL - FW: NRC Bucket List 5/12/11
16-0066	ML11136A141	05/06/2011	2011/05/06 Watts Bar 2 OL - TVA letter to NRC_05-06-11_I&C RAI Response
16-0067	ML11136A150	04/11/2011	2011/04/11 Watts Bar 2 OL - WINCISE EDCR Excerpts Parts 1
16-0068	ML11136A151	04/11/2011	2011/04/11 Watts Bar 2 OL - WINCISE EDCR Excerpts Part 2

**ATTACHMENT 2 WATTS BAR OPERATING LICENSE APPLICATION HEARING FILE AND MANDATORY DISCLOSURES**

**PROTECTED FILE INDEX**

**Supplemental Disclosures – May 16, 2011**

<b>ID#</b>	<b>Accession Number</b>	<b>Document Date</b>	<b>Protected Reason</b>	<b>Title</b>
16-P001	ML111080074	04/07/2011	Security	Response to Request for Additional Information Regarding Watts Bar Nuclear Plant Cyber Security Plan License Amendment Request, Enclosures 1, 2 and 4.
16-P002	ML11129A158	05/06/2011	Fire Protection	Watts Bar, Unit 2 - Request for Additional Information Regarding "Fire Protection Report," (TAC No. ME3091).
16-P003	ML11129A204	04/30/2010	Proprietary	EQ-QR-33-WBT, Revision 0, "Seismic Evaluation of the Digital Metal Impact Monitoring System (DMIMS-DXtm) for Watts Bar, Unit 2," Attachment 4.
16-P004	ML11129A206	01/27/2010	Proprietary	DAR-ME-09-10, Revision 0, "Qualification Summary Report for the WINCISE Cable and Connector Upgrade at Watts Bar, Unit 2," Attachment 8.
16-P005	ML11131A125	05/09/2011	Security	Watts Bar Nuclear Plant, Unit 2, Enclosure 1, Response to Request for Additional Information Regarding Mitigation Strategies - Revised Response for RAI 2.
16-P006	ML11136A084	05/06/2011	Fire Protection	2011/05/06 Watts Bar 2 OL - TVA letter to NRC_05-06-11_Response to FPR RAI

May 16, 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 May 16, 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, consisting of a large, stylized 'J' and 'P' followed by a horizontal line.

Justin C. Poole

Executed in Rockville, Maryland  
this 16th day of May, 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 May 16, 2011, have been served upon the following by the Electronic Information Exchange, this 16<sup>th</sup> day of May, 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](mailto: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](mailto: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](mailto: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](mailto: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](mailto:gxa1@nrc.gov)

Edward Viglucci, 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: [ejviglucci@tva.gov](mailto:ejviglucci@tva.gov)  
[ccchandler0@tva.gov](mailto:ccchandler0@tva.gov)  
[savance@tva.gov](mailto: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](mailto:ksutton@morganlewis.com)  
E-mail: [pbessette@morganlewis.com](mailto: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](mailto: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](mailto:David.Roth@nrc.gov)  
Signed: May 16, 2011