

**WBN2Public Resource**

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**From:** Hamill, Carol L [clhamill@tva.gov]  
**Sent:** Friday, May 28, 2010 8:29 AM  
**To:** Wiebe, Joel; Raghavan, Rags; Milano, Patrick; Campbell, Stephen  
**Cc:** Arent, Gordon; Crouch, William D; Knuettel, Edward Terry; Stockton, Rickey A  
**Subject:** TVA letter to NRC - FSAR Amendment 99  
**Attachments:** 5-27-10\_FSAR A99\_Final\_NRC ccs.pdf

**Please see attached letter sent to NRC today.**

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*Carol L. Hamill*

Licensing/Quality Assurance  
WBN Unit 2 Project, EQB 1B- WBN  
423-365-3177, fax 423-365-3833  
\*\*\*\*\*

**Hearing Identifier:** Watts\_Bar\_2\_Operating\_LA\_Public  
**Email Number:** 30

**Mail Envelope Properties** (25547F570B005144A141ECCA95DA1AB20A1D0002)

**Subject:** TVA letter to NRC - FSAR Amendment 99  
**Sent Date:** 5/28/2010 8:28:31 AM  
**Received Date:** 5/28/2010 8:28:52 AM  
**From:** Hamill, Carol L

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

**Recipients:**

"Arent, Gordon" <garent@tva.gov>  
Tracking Status: None  
"Crouch, William D" <wdcrouch@tva.gov>  
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**Post Office:** TVACOCXVS2.main.tva.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	316	5/28/2010 8:28:52 AM
5-27-10_FSAR A99_Final_NRC ccs.pdf		1256184

**Options**

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



Tennessee Valley Authority, Post Office Box 2000, Spring City, TN 37381-2000

May 27, 2010

10 CFR 50.4(b)(6)  
10 CFR 50.34(b)  
10 CFR 2.390(d)(1)

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Stop: OWFN P1-35  
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant, Unit 2  
Docket No. 50-391

Subject: **WATTS BAR NUCLEAR PLANT (WBN) – UNIT 2 – FINAL SAFETY ANALYSIS REPORT (FSAR), AMENDMENT 99**

Reference: TVA letter to the NRC dated May 7, 2010, "Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Safety Analysis Report Amendment 98"

This letter transmits WBN Unit 2 FSAR Amendment 99 (A99), which reflects changes made since the issuance of Amendment 98 (A98) on May 7, 2010 (Reference). This Unit 2 amendment incorporates updated data for Section 2.3, "Meteorology," as committed to in the above reference. In addition, other needed changes that have been identified since A98 have also been incorporated. Additional editorial and administrative changes have also been made in this amendment.

Enclosure 1 contains a "Summary Listing" of FSAR sections and corresponding Unit 2 change package numbers associated with the A99 FSAR changes. Enclosure 2 contains revision bar methodology change discussion. With A99, TVA has changed the method in how changes are identified in this and future Unit 2 amendments.

As stated in the reference above, future amendments are anticipated due to the potential for FSAR changes resulting from resolution of outstanding Requests for Information from NRC. Changes to the FSAR can also occur as modifications in the plant are completed and inspected to determine as-constructed configurations. For example, FSAR tables that currently contain Unit 1 data (e.g., data comprised of stresses at pipe break locations, etc.) can then be updated to reflect actual Unit 2 data once the analysis can be completed based on the actual as-built configuration.

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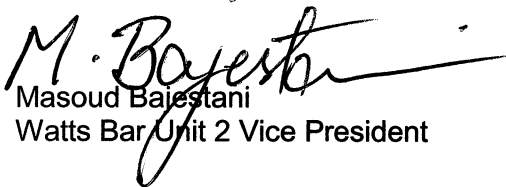
FSAR A99 is contained on the enclosed Optical Storage Media (OSM #1) (Attachment 1). The FSAR contains security-related information identified by the designation "Security-Related Information - Withhold Under 10 CFR 2.390." TVA hereby requests this information be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390. A redacted version of the FSAR is contained on OSM #2 (Attachment 2), which is suitable for public disclosure. Enclosure 3 contains a listing of the FSAR pages that have been redacted. Enclosure 4 lists the files and file sizes on the security-related OSM (OSM #1), and Enclosure 5 lists the files and file sizes on the publicly available OSM (OSM #2).

This letter does not close any "Generic Communications." If you have any questions, please contact me at (423) 365-2351.

There are no new commitments made in this submittal.

I declare under the penalty of perjury that the foregoing is true and correct. Executed on May 28, 2010.

Sincerely,

  
Masoud Bajestani  
Watts Bar Unit 2 Vice President

Enclosures:

1. WBN Unit 2 FSAR A99, "Summary Listing of A99 FSAR Changes"
2. WBN Unit 2 FSAR A99, "Description of Change in Revision Bar Methodology"
3. WBN Unit 2 FSAR A99, "Summary of Redacted Pages"
4. List of files and file sizes on the security-related OSM (OSM #1)
5. List of files and file sizes on the publicly available OSM (OSM #2)

Attachments:

1. OSM #1: WBNP Unit 2 FSAR Amendment 99 - Security-Related Information - Withhold Under 10 CFR 2.390
2. OSM #2: WBNP Unit 2 FSAR Amendment 99 - Public Version

cc: See Page 3

U.S. Nuclear Regulatory Commission  
Page 3  
May 27, 2010

cc (w/enclosures):

U. S. Nuclear Regulatory Commission  
Region II  
Marquis One Tower  
245 Peachtree Center Ave., NE Suite 1200  
Atlanta, Georgia 30303-1257

NRC Resident Inspector Unit 2  
Watts Bar Nuclear Plant  
1260 Nuclear Plant Road  
Spring City, Tennessee 37381

**ENCLOSURE 1****WBN Unit 2 FSAR A99****"Summary Listing of A99 FSAR Changes"**

<b>Item No.</b>	<b>Section</b>	<b>Section Title</b>	<b>Change Package Number</b>
1.	1.9	Nuclear Performance Plan	2-99-11
2.	2.3	Meteorology	2-99-10
3.	3.9	Mechanical Systems And Components	2-99-01
4.	4.1	Reactor -Summary Description	2-99-04
5.	6.2.4	Containment Isolation Systems	2-99-08 2-99-12 2-99-13
6.	6.5	Fission Product Removal And Control Systems	2-99-03
7.	9.2.2	Component Cooling System (CCS)	2-99-02
8.	10.4.1	Main Condenser	2-99-09
9.	12.3	Radiation Protection Design Features	2-99-06
10.	14.2	Test Program	2-99-14
11.	15.2	Condition II - Faults Of Moderate Frequency	2-99-07
12.	15.5	Environmental Consequences Of Accidents	2-99-05

## **ENCLOSURE 2**

### **WBN Unit 2 FSAR A99**

#### **Description of Change in Revision Bar Methodology**

Due to the problems associated with rolling revision bars/amendment numbers experienced during Amendments 92 through 98, the following changes are being implemented for Amendment 99 and future Unit 2 FSAR amendments in the following sequence:

1. Amendment page markers (amendment number at the top of the each page) will be updated with the new amendment number.
2. All previous amendment revision bars will be removed.
3. All future revision bars (Amendment 99 and later) will indicate only what changed in the amendment being prepared and submitted. All textural revisions will be marked with no distinction between major changes and editorial/administrative type changes. Spacing/formatting changes with no technical significance may not be marked.
4. In Amendment 99, any subsections not revised by Amendment 99 will have no revision bars.
5. A new amendment page marker will be added in the electronic file at the location where a change was made. This will allow TVA to automatically create a list of pages that have been revised.
6. The effective page listing will be converted to a revised page listing. Placing a new amendment marker by each new change as stated in Item 5 above will ensure that an accurate list of changes for that amendment can be auto-generated into a new revised page listing once all the changes have been made.
7. When the Unit 1 and Unit 2 FSARs are recombined into a single document, the practice of using an "Effective Page List" will then again be used as is currently used in the Unit 1 FSAR.

**ENCLOSURE 3**

**WBN Unit 2 FSAR A99  
"Summary of Redacted Pages"**

<b>Chapter</b>	<b>Page(S)</b>	<b>Section No.</b>	<b>Figure No.</b>	<b>Basis For Redaction</b>
1	1.2-15	1.2	1.2-1	Security Related, 10CFR2.390(d)(1)
1	1.2-16	1.2	1.2-2	Security Related, 10CFR2.390(d)(1)
1	1.2-17	1.2	1.2-3	Security Related, 10CFR2.390(d)(1)
1	1.2-18	1.2	1.2-4	Security Related, 10CFR2.390(d)(1)
1	1.2-19	1.2	1.2-5	Security Related, 10CFR2.390(d)(1)
1	1.2-20	1.2	1.2-6	Security Related, 10CFR2.390(d)(1)
1	1.2-21	1.2	1.2-7	Security Related, 10CFR2.390(d)(1)
1	1.2-22	1.2	1.2-8	Security Related, 10CFR2.390(d)(1)
1	1.2-23	1.2	1.2-9	Security Related, 10CFR2.390(d)(1)
1	1.2-24	1.2	1.2-10	Security Related, 10CFR2.390(d)(1)
1	1.2-25	1.2	1.2-11	Security Related, 10CFR2.390(d)(1)
1	1.2-26	1.2	1.2-12	Security Related, 10CFR2.390(d)(1)
1	1.2-27	1.2	1.2-13	Security Related, 10CFR2.390(d)(1)
1	1.2-28	1.2	1.2-14	Security Related, 10CFR2.390(d)(1)
1	1.2-29	1.2	1.2-15	Security Related, 10CFR2.390(d)(1)
2	2.2-7	2.2	2.2-1	Security Related, 10CFR2.390(d)(1)
2	2.2-8	2.2	2.2-2	Security Related, 10CFR2.390(d)(1)
2	2.4-89	2.4	2.4-2	Security Related, 10CFR2.390(d)(1)
2	2.4-159	2.4	2.4-24	Security Related, 10CFR2.390(d)(1)
2	2.4-162	2.4	2.4-27	Security Related, 10CFR2.390(d)(1)
2	2.4-163	2.4	2.4-28	Security Related, 10CFR2.390(d)(1)
2	2.4-168	2.4	2.4-40a Sheet 1	Security Related, 10CFR2.390(d)(1)
2	2.4-169	2.4	2.4-40a Sheet 2	Security Related, 10CFR2.390(d)(1)
2	2.4-171	2.4	2.4-40b	Security Related, 10CFR2.390(d)(1)
2	2.4-172	2.4	2.4-40c	Security Related, 10CFR2.390(d)(1)
2	2.4-173	2.4	2.4-40d Sheet 1	Security Related, 10CFR2.390(d)(1)
2	2.4-178	2.4	2.4-40f Sheet 1	Security Related, 10CFR2.390(d)(1)
2	2.4-181	2.4	2.4-40g Sheet 1	Security Related, 10CFR2.390(d)(1)
2	2.4-206	2.4	2.4-76	Security Related, 10CFR2.390(d)(1)
2	2.4-209	2.4	2.4-79	Security Related, 10CFR2.390(d)(1)
2	2.4-212	2.4	2.4-82	Security Related, 10CFR2.390(d)(1)
2	2.4-213	2.4	2.4-83	Security Related, 10CFR2.390(d)(1)
2	2.4-218	2.4	2.4-88	Security Related, 10CFR2.390(d)(1)
2	2.4-219	2.4	2.4-89	Security Related, 10CFR2.390(d)(1)
2	2.4-220	2.4	2.4-90	Security Related, 10CFR2.390(d)(1)
2	2.5-471	2.5	2.5-185	Security Related, 10CFR2.390(d)(1)
2	2.5-472	2.5	2.5-185a	Security Related, 10CFR2.390(d)(1)
2	2.5-513	2.5	2.5-225	Security Related, 10CFR2.390(d)(1)
2	2.5-514	2.5	2.5-226	Security Related, 10CFR2.390(d)(1)
2	2.5-515	2.5	2.5-226a	Security Related, 10CFR2.390(d)(1)
2	2.5-575	2.5	2.5-273	Security Related, 10CFR2.390(d)(1)



**ENCLOSURE 3**

**WBN Unit 2 FSAR A99  
"Summary of Redacted Pages"**

<b>Chapter</b>	<b>Page(S)</b>	<b>Section No.</b>	<b>Figure No.</b>	<b>Basis For Redaction</b>
2	2.5-690	2.5	2.5-358	Security Related, 10CFR2.390(d)(1)
2	2.5-934	2.5	2.5-592	Security Related, 10CFR2.390(d)(1)
3	3.5-53	3.5	3.5-3	Security Related, 10CFR2.390(d)(1)
3	3.5-54	3.5	3.5-4	Security Related, 10CFR2.390(d)(1)
3	3.6-73	3.6	3.6-21	Security Related, 10CFR2.390(d)(1)
3	3.6-74	3.6	3.6-22	Security Related, 10CFR2.390(d)(1)
3	3.6-75	3.6	3.6-23	Security Related, 10CFR2.390(d)(1)
3	3.6-76	3.6	3.6-24	Security Related, 10CFR2.390(d)(1)
3	3.7-217	3.7	3.7-39	Security Related, 10CFR2.390(d)(1)
3	3.7-218	3.7	3.7-40	Security Related, 10CFR2.390(d)(1)
3	3.7-219	3.7	3.7-41	Security Related, 10CFR2.390(d)(1)
3	3.7-222	3.7	3.7-44	Security Related, 10CFR2.390(d)(1)
3	3.8.3-60	3.8.3	3.8.3-6	Security Related, 10CFR2.390(d)(1)
3	3.8.3-61	3.8.3	3.8.3-7	Security Related, 10CFR2.390(d)(1)
3	3.8.4-94	3.8.4	3.8.4-2	Security Related, 10CFR2.390(d)(1)
3	3.8.4-95	3.8.4	3.8.4-3	Security Related, 10CFR2.390(d)(1)
3	3.8.4-96	3.8.4	3.8.4-4	Security Related, 10CFR2.390(d)(1)
3	3.8.4-97	3.8.4	3.8.4-5	Security Related, 10CFR2.390(d)(1)
3	3.8.4-98	3.8.4	3.8.4-6	Security Related, 10CFR2.390(d)(1)
3	3.8.4-101	3.8.4	3.8.4-9	Security Related, 10CFR2.390(d)(1)
3	3.8.4-109	3.8.4	3.8.4-17	Security Related, 10CFR2.390(d)(1)
3	3.8.4-110	3.8.4	3.8.4-18	Security Related, 10CFR2.390(d)(1)
3	3.8.4-111	3.8.4	3.8.4-19	Security Related, 10CFR2.390(d)(1)
3	3.8.4-112	3.8.4	3.8.4-20	Security Related, 10CFR2.390(d)(1)
3	3.8.4-116	3.8.4	3.8.4-24	Security Related, 10CFR2.390(d)(1)
3	3.8.4-120	3.8.4	3.8.4-28	Security Related, 10CFR2.390(d)(1)
3	3.8.4-127	3.8.4	3.8.4-35	Security Related, 10CFR2.390(d)(1)
3	3.8.4-128	3.8.4	3.8.4-36	Security Related, 10CFR2.390(d)(1)
3	3.8.4-129	3.8.4	3.8.4-36a	Security Related, 10CFR2.390(d)(1)
3	3.8.4-132	3.8.4	3.8.4-37	Security Related, 10CFR2.390(d)(1)
3	3.8.4-149	3.8.4	3.8.4-50	Security Related, 10CFR2.390(d)(1)
3	3.8.4-150	3.8.4	3.8.4-51	Security Related, 10CFR2.390(d)(1)
3	3.8.6-19	3.8.6	3.8.6-7	Security Related, 10CFR2.390(d)(1)
6	6.2.2-24	6.2.2	6.2.2-4	Security Related, 10CFR2.390(d)(1)
6	6.2.3-78	6.2.3	6.2.3-4	Security Related, 10CFR2.390(d)(1)
6	6.2.3-79	6.2.3	6.2.3-5	Security Related, 10CFR2.390(d)(1)
6	6.2.3-80	6.2.3	6.2.3-6	Security Related, 10CFR2.390(d)(1)
6	6.2.3-81	6.2.3	6.2.3-7	Security Related, 10CFR2.390(d)(1)
6	6.2.3-82	6.2.3	6.2.3-8	Security Related, 10CFR2.390(d)(1)
6	6.2.3-83	6.2.3	6.2.3-9	Security Related, 10CFR2.390(d)(1)
6	6.2.3-84	6.2.3	6.2.3-10	Security Related, 10CFR2.390(d)(1)
6	6.2.3-94	6.2.3	6.2.3-18	Security Related, 10CFR2.390(d)(1)
6	6.2.3-95	6.2.3	6.2.3-19	Security Related, 10CFR2.390(d)(1)
8	8.1-21	8.1	8.1-1	Security Related, 10CFR2.390(d)(1)
8	8.2-14	8.2		Security Related, 10CFR2.390(d)(1)
8	8.2-15	8.2		Security Related, 10CFR2.390(d)(1)

**ENCLOSURE 3**

**WBN Unit 2 FSAR A99  
"Summary of Redacted Pages"**

<b>Chapter</b>	<b>Page(S)</b>	<b>Section No.</b>	<b>Figure No.</b>	<b>Basis For Redaction</b>
8	8.2-30	8.2	8.2-3	Security Related, 10CFR2.390(d)(1)
8	8.2-31	8.2	8.2-4	Security Related, 10CFR2.390(d)(1)
8	8.2-44	8.2	8.2-11	Security Related, 10CFR2.390(d)(1)
8	8.3-97	8.3	8.3-1	Security Related, 10CFR2.390(d)(1)
8	8.3-99	8.3	8.3-2	Security Related, 10CFR2.390(d)(1)
8	8.3-100	8.3	8.3-3	Security Related, 10CFR2.390(d)(1)
8	8.3-102	8.3	8.3-4b	Security Related, 10CFR2.390(d)(1)
8	8.3-205	8.3	8.3-46	Security Related, 10CFR2.390(d)(1)
8	8.3-218	8.3	8.3-59	Security Related, 10CFR2.390(d)(1)
9	9.2-208	9.2	9.2-40	Security Related, 10CFR2.390(d)(1)
9	9.4-276	9.4	9.4-21	Security Related, 10CFR2.390(d)(1)
9	9.4-280	9.4	9.4-22c	Security Related, 10CFR2.390(d)(1)
9	9.4-281	9.4	9.4-23	Security Related, 10CFR2.390(d)(1)
9	9.4-282	9.4	9.4-24	Security Related, 10CFR2.390(d)(1)
12	12.3-39	12.3	12.3-1	Security Related, 10CFR2.390(d)(1)
12	12.3-40	12.3	12.3-2	Security Related, 10CFR2.390(d)(1)
12	12.3-41	12.3	12.3-3	Security Related, 10CFR2.390(d)(1)
12	12.3-42	12.3	12.3-4	Security Related, 10CFR2.390(d)(1)
12	12.3-43	12.3	12.3-5	Security Related, 10CFR2.390(d)(1)
12	12.3-44	12.3	12.3-6	Security Related, 10CFR2.390(d)(1)
12	12.3-45	12.3	12.3-7	Security Related, 10CFR2.390(d)(1)
12	12.3-46	12.3	12.3-8	Security Related, 10CFR2.390(d)(1)
12	12.3-47	12.3	12.3-9	Security Related, 10CFR2.390(d)(1)
12	12.3-48	12.3	12.3-10	Security Related, 10CFR2.390(d)(1)
12	12.3-49	12.3	12.3-11	Security Related, 10CFR2.390(d)(1)
12	12.3-50	12.3	12.3-12	Security Related, 10CFR2.390(d)(1)
12	12.3-51	12.3	12.3-13	Security Related, 10CFR2.390(d)(1)
12	12.3-52	12.3	12.3-14	Security Related, 10CFR2.390(d)(1)
12	12.3-53	12.3	12.3-15	Security Related, 10CFR2.390(d)(1)
12	12.3-54	12.3	12.3-16	Security Related, 10CFR2.390(d)(1)
12	12.3-55	12.3	12.3-17	Security Related, 10CFR2.390(d)(1)
12	12.4-5	12.4	12.4-1	Security Related, 10CFR2.390(d)(1)

**ENCLOSURE 4**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 99 - List of Files on Security-Related OSM**

File Name	File Size - Bytes
<b>TVA_WBN-2_FSAR_Files</b>	
001_TVA_WB_FSAR_TOC.pdf	365,616
002_TVA_WB_FSAR_LRP.pdf	116,162
003_TVA_WB_FSAR_Section_1.pdf	4,633,441
004_TVA_WB_FSAR_Section_2_A.pdf	10,167,839
005_TVA_WB_FSAR_Section_2_B_Part_1_of_2.pdf	40,543,331
005_TVA_WB_FSAR_Section_2_B_Part_2_of_2.pdf	12,397,088
006_TVA_WB_FSAR_Section_2_C.pdf	2,109,902
007_TVA_WB_FSAR_Section_2_D.pdf	31,323,743
008_TVA_WB_FSAR_Section_2_E.pdf	47,340,178
009_TVA_WB_FSAR_Section_3_A.pdf	2,618,291
010_TVA_WB_FSAR_Section_3_B.pdf	7,063,194
011_TVA_WB_FSAR_Section_3_C.pdf	30,017,389
012_TVA_WB_FSAR_Section_3_D.pdf	6,019,285
013_TVA_WB_FSAR_Section_4.pdf	12,600,572
014_TVA_WB_FSAR_Section_5.pdf	8,075,598
015_TVA_WB_FSAR_Section_6_A.pdf	20,318,939
016_TVA_WB_FSAR_Section_6_B.pdf	8,065,267
017_TVA_WB_FSAR_Section_7.pdf	9,377,563
018_TVA_WB_FSAR_Section_8.pdf	29,715,338
019_TVA_WB_FSAR_Section_9_A.pdf	24,387,474
020_TVA_WB_FSAR_Section_9_B.pdf	16,485,727
021_TVA_WB_FSAR_Section_10.pdf	14,166,392
022_TVA_WB_FSAR_Section_11.pdf	3,925,813
023_TVA_WB_FSAR_Section_12.pdf	5,992,968
024_TVA_WB_FSAR_Section_13.pdf	3,240,713
025_TVA_WB_FSAR_Section_14.pdf	1,170,000

**ENCLOSURE 4**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 99 - List of Files on *Security-Related OSM***

File Name	File Size - Bytes
026_TVA_WB_FSAR_Section_15.pdf	35,478,140
027_TVA_WB_FSAR_Section_16.pdf	148,743
028_TVA_WB_FSAR_Section_17.pdf	145,202
<b>Total</b>	<b>388,009,908</b>
<b>TVA_WBN-2_Oversized_FSAR_Figures</b>	
001_TVA_WB_FSAR_Figure_2.5_3.pdf	1,757,743
002_TVA_WB_FSAR_Figure_2.5_11.pdf	1,689,538
003_TVA_WB_FSAR_Figure_2.5_71.pdf	2,263,087
004_TVA_WB_FSAR_Figure_2.5_222.pdf	909,429
005_TVA_WB_FSAR_Figure_2.5_281_1.pdf	2,155,627
006_TVA_WB_FSAR_Figure_2.5_281_2.pdf	2,117,562
007_TVA_WB_FSAR_Figure_2.5_549_1.pdf	3,600,807
008_TVA_WB_FSAR_Figure_2.5_549_2.pdf	3,989,180
009_TVA_WB_FSAR_Figure_2.5_549_3.pdf	2,863,719
010_TVA_WB_FSAR_Figure_2.5_549_4.pdf	2,809,599
011_TVA_WB_FSAR_Figure_2.5_550.pdf	1,803,985
012_TVA_WB_FSAR_Figure_2.5_551.pdf	1,996,869
013_TVA_WB_FSAR_Figure_2.5_554_1.pdf	3,081,060
014_TVA_WB_FSAR_Figure_2.5_554_2.pdf	1,996,707
015_TVA_WB_FSAR_Figure_2.5_555.pdf	1,993,312
016_TVA_WB_FSAR_Figure_2.5_556.pdf	2,998,087
017_TVA_WB_FSAR_Figure_2.5_571_1.pdf	844,484
018_TVA_WB_FSAR_Figure_2.5_571_2.pdf	3,128,329
019_TVA_WB_FSAR_Figure_2.5_571_3.pdf	3,284,555
020_TVA_WB_FSAR_Figure_2.5_571_4.pdf	2,142,316
021_TVA_WB_FSAR_Figure_2.5_572.pdf	2,196,945

**ENCLOSURE 4**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 99 - List of Files on *Security-Related OSM***

File Name	File Size - Bytes
022_TVA_WB_FSAR_Figure_2.5_573.pdf	2,013,286
023_TVA_WB_FSAR_Figure_2.5_576_1.pdf	3,238,525
024_TVA_WB_FSAR_Figure_2.5_576_2.pdf	2,151,750
025_TVA_WB_FSAR_Figure_2.5_577.pdf	2,207,622
026_TVA_WB_FSAR_Figure_2.5_578.pdf	2,080,032
027_TVA_WB_FSAR_Figure_2.5_579.pdf	2,308,985
028_TVA_WB_FSAR_Figure_2.5_583.pdf	2,487,346
029_TVA_WB_FSAR_Figure_2.5_588.pdf	2,528,515
030_TVA_WB_FSAR_Figure_2.5_589.pdf	2,480,438
031_TVA_WB_FSAR_Figure_2.5_594.pdf	13,054,127
032_TVA_WB_FSAR_Figure_2.5_595.pdf	2,323,267
033_TVA_WB_FSAR_Figure_2.5_596.pdf	5,732,107
034_TVA_WB_FSAR_Figure_2.5_597.pdf	1,287,336
035_TVA_WB_FSAR_Figure_2.5_602.pdf	5,549,537
036_TVA_WB_FSAR_Figure_2.5_603.pdf	4,830,835
037_TVA_WB_FSAR_Figure_2.5_604.pdf	6,392,279
038_TVA_WB_FSAR_Figure_2.5_605.pdf	20,823,108
<b>Total</b>	<b>131,112,035</b>
<b>TVA_WBN-2_Oversized_FSAR_Table</b>	
001_TVA_WB_FSAR_Table_6.2.4-1.pdf	1,233,452
<b>Total</b>	<b>1,233,452</b>

**ENCLOSURE 5**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 99 List of Files on *Publicly Available OSM***

File Name	File Size - Bytes
<b>TVA_WBN-2_FSAR_Files</b>	
001_TVA_WB_FSAR_TOC.pdf	365,616
002_TVA_WB_FSAR_LRP.pdf	116,162
003_TVA_WB_FSAR_Section_1.pdf	<b>826,739</b>
004_TVA_WB_FSAR_Section_2_A.pdf	<b>9,831,422</b>
005_TVA_WB_FSAR_Section_2_B_Part_1_of_2.pdf	<b>31,985,131</b>
005_TVA_WB_FSAR_Section_2_B_Part_2_of_2.pdf	<b>9,357,661</b>
006_TVA_WB_FSAR_Section_2_C.pdf	2,109,691
007_TVA_WB_FSAR_Section_2_D.pdf	31,323,925
008_TVA_WB_FSAR_Section_2_E.pdf	<b>45,960,695</b>
009_TVA_WB_FSAR_Section_3_A.pdf	<b>2,326,749</b>
010_TVA_WB_FSAR_Section_3_B.pdf	<b>5,661,449</b>
011_TVA_WB_FSAR_Section_3_C.pdf	<b>25,184,891</b>
012_TVA_WB_FSAR_Section_3_D.pdf	<b>5,750,729</b>
013_TVA_WB_FSAR_Section_4.pdf	13,600,572
014_TVA_WB_FSAR_Section_5.pdf	8,075,598
015_TVA_WB_FSAR_Section_6_A.pdf	<b>17,438,698</b>
016_TVA_WB_FSAR_Section_6_B.pdf	8,065,267
017_TVA_WB_FSAR_Section_7.pdf	9,377,563
018_TVA_WB_FSAR_Section_8.pdf	<b>26,755,158</b>
019_TVA_WB_FSAR_Section_9_A.pdf	<b>24,126,363</b>
020_TVA_WB_FSAR_Section_9_B.pdf	<b>15,271,183</b>
021_TVA_WB_FSAR_Section_10.pdf	14,166,392
022_TVA_WB_FSAR_Section_11.pdf	3,925,813
023_TVA_WB_FSAR_Section_12.pdf	<b>5,992,968</b>
024_TVA_WB_FSAR_Section_13.pdf	3,240,713
025_TVA_WB_FSAR_Section_14.pdf	1,170,000
026_TVA_WB_FSAR_Section_15.pdf	35,478,140

Note: Byte amounts in italics are redacted files.

**ENCLOSURE 5**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 99 List of Files on *Publicly Available OSM***

File Name	File Size - Bytes
027_TVA_WB_FSAR_Section_16.pdf	148,743
028_TVA_WB_FSAR_Section_17.pdf	145,202
<b>Total</b>	<b>357,779,233</b>
<b>TVA_WBN-2_Oversized_FSAR_Figures</b>	
001_TVA_WB_FSAR_Figure_2.5_3.pdf	1,757,743
002_TVA_WB_FSAR_Figure_2.5_11.pdf	1,689,538
003_TVA_WB_FSAR_Figure_2.5_71.pdf	2,263,087
004_TVA_WB_FSAR_Figure_2.5_222.pdf	909,429
005_TVA_WB_FSAR_Figure_2.5_281_1.pdf	2,155,627
006_TVA_WB_FSAR_Figure_2.5_281_2.pdf	2,117,562
007_TVA_WB_FSAR_Figure_2.5_549_1.pdf	3,600,807
008_TVA_WB_FSAR_Figure_2.5_549_2.pdf	3,989,180
009_TVA_WB_FSAR_Figure_2.5_549_3.pdf	2,863,719
010_TVA_WB_FSAR_Figure_2.5_549_4.pdf	2,809,599
011_TVA_WB_FSAR_Figure_2.5_550.pdf	1,803,985
012_TVA_WB_FSAR_Figure_2.5_551.pdf	1,996,869
013_TVA_WB_FSAR_Figure_2.5_554_1.pdf	3,081,060
014_TVA_WB_FSAR_Figure_2.5_554_2.pdf	1,996,707
015_TVA_WB_FSAR_Figure_2.5_555.pdf	1,993,312
016_TVA_WB_FSAR_Figure_2.5_556.pdf	2,998,087
017_TVA_WB_FSAR_Figure_2.5_571_1.pdf	844,484
018_TVA_WB_FSAR_Figure_2.5_571_2.pdf	3,128,329
019_TVA_WB_FSAR_Figure_2.5_571_3.pdf	3,284,555
020_TVA_WB_FSAR_Figure_2.5_571_4.pdf	2,142,316
021_TVA_WB_FSAR_Figure_2.5_572.pdf	2,196,945
022_TVA_WB_FSAR_Figure_2.5_573.pdf	2,013,286
023_TVA_WB_FSAR_Figure_2.5_576_1.pdf	3,238,525

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**ENCLOSURE 5**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 99 List of Files on *Publicly Available OSM***

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025_TVA_WB_FSAR_Figure_2.5_577.pdf	2,207,622
026_TVA_WB_FSAR_Figure_2.5_578.pdf	2,080,032
027_TVA_WB_FSAR_Figure_2.5_579.pdf	2,308,985
028_TVA_WB_FSAR_Figure_2.5_583.pdf	2,487,346
029_TVA_WB_FSAR_Figure_2.5_588.pdf	2,528,515
030_TVA_WB_FSAR_Figure_2.5_589.pdf	2,480,438
031_TVA_WB_FSAR_Figure_2.5_594.pdf	13,054,127
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034_TVA_WB_FSAR_Figure_2.5_597.pdf	1,287,336
035_TVA_WB_FSAR_Figure_2.5_602.pdf	5,549,537
036_TVA_WB_FSAR_Figure_2.5_603.pdf	4,830,835
037_TVA_WB_FSAR_Figure_2.5_604.pdf	6,392,279
038_TVA_WB_FSAR_Figure_2.5_605.pdf	20,823,108
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001_TVA_WB_FSAR_Table_6.2.4-1.pdf	1,233,452
<b>Total</b>	<b>1,233,452</b>