



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

May 7, 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 98**

Reference: TVA letter to the NRC dated January 11, 2010, "Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Safety Analysis Report Amendment 97"

This letter transmits WBN Unit 2 FSAR Amendment 98 (A98), which reflects changes made since the issuance of Amendment 97 (A97) on January 11, 2010 (Reference). This Unit 2 amendment incorporates the most recent probable maximum flood evaluation data into Section 2.4, "Hydrologic Engineering," and changes resulting from TVA's re-review of each section of the referenced FSAR amendment (A97). The purpose of this re-review was to identify changes previously incorporated by earlier FSAR amendments that were not properly annotated with revision bars and to identify other editorial, administrative, and typographical errors that may not have been corrected. Additionally, new substantive changes were identified in other FSAR sections as a result of the re-review, as well as changes resulting from design activities.

Enclosure 1 contains a "Summary Listing" of FSAR sections and corresponding Unit 2 change package numbers associated with the A98 FSAR changes. Enclosure 2 contains a background summary of WBN Unit 2 FSAR development process and provides a description of the FSAR re-review effort. The editorial and administrative changes that were identified during the re-review were not annotated with revision bars, but a detailed list of these changes will be made available for NRC use.

Additionally, future amendments are anticipated due to the potential for FSAR changes resulting from resolution of outstanding Requests for Information from NRC. Further, as modifications in the plant are completed and inspected to determine as-constructed

A053  
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U.S. Nuclear Regulatory Commission  
Page 2  
May 7, 2010

configurations, affected calculations and analysis can be finalized which may result in changes to the FSAR. 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.

It is important to note that wind speed data contained in Section 2.3, "Meteorology," has been revised in this amendment to reinstate the original data in tables provided in Amendment 91. This data was found to be corrupted due to the FSAR A92 Framemaker conversion activity. An additional revision to Section 2.3 is also expected to address NRC's request for information. A revision to Section 2.3 will be submitted to NRC by May 28, 2010.

FSAR A98 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 contains the new commitment contained in this letter. Enclosure 5 lists the files and file sizes on the security-related OSM (OSM #1), and Enclosure 6 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.

I declare under the penalty of perjury that the foregoing is true and correct. Executed on May 7, 2010.

Sincerely,

  
Masoud Bajestani  
Watts Bar Unit 2 Vice President

Enclosures: (See Page 3)

U.S. Nuclear Regulatory Commission  
Page 3  
May 7, 2010

Enclosures:

1. WBN Unit 2 FSAR A98, "Summary Listing of A98 FSAR Changes"
2. WBN Unit 2 FSAR A98, "Background of WBN Unit 2 FSAR Change Process and Description of Re-Review Effort"
3. WBN Unit 2 FSAR A98, "Summary of Redacted Pages"
4. WBN Unit 2 FSAR A98, "New Commitment"
5. List of files and file sizes on the security-related OSM (OSM #1)
6. List of files and file sizes on the publicly available OSM (OSM #2)

Attachments:

1. OSM #1: WBNP Unit 2 FSAR Amendment 98 - Security-Related Information - Withhold Under 10 CFR 2.390
2. OSM #2: WBNP Unit 2 FSAR Amendment 98 - Public Version

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 A98**

**"Summary Listing of A98 FSAR Changes"**

<b>Item No.</b>	<b>Section</b>	<b>Section Title</b>	<b>Change Package Number</b>
1.	2.3	Meteorology	2-98-18
2.	2.4	Hydrologic Engineering	2-98-19
3.	3.2	Classification of Structures, Systems and Components	2-98-03
4.	3.8.B	Multiple Load Combinations Various Plant Conditions	2-98-38
5.	3.8.5	Foundation and Concrete Supports	2-98-34
6.	3.8.6	Category 1(L) Cranes	2-98-15
7.	3.9	Mechanical Systems and Components	2-98-05
8.	4.4	Thermal Hydraulic Design	2-98-41
9.	5.2	Integrity of RCS Pressure Boundary	2-98-06 2-98-13
10.	5.2.8	In-Service Inspection of ASME Code Class 1 Components	2-98-37
11.	5.5	Component and Subsystem Design	2-98-08
12.	5.5.2.4	In-service Inspection of Steam Generator Tubes	2-98-23
13.	6.1	Coating Inside Primary Containment	2-98-25
14.	6.2.1	Containment Functional Design	2-98-16
15.	6.2.2	Containment Heat Removal Systems	2-98-02
16.	6.2.4 8.3.1	Fiber Optic Electrical Penetration Feed-Throughs	2-98-26 2-98-33
17.	6.2.4	Installation of Sense Lines Penetrating the SCV	2-98-31
18.	6.2.6	Containment Leakage Testing	2-98-01 2-98-11 2-98-29 2-98-32
19.	7.1	Instrumentation and Controls	2-98-21
20.	7.3	Engineered Safety Features Actuation System	2-98-17
21.	8.2	Offsite (Preferred) Power System	2-98-12 2-98-30
22.	8.2.1 8.2.2	BOP Load Shed Logic	2-98-27

ENCLOSURE 1

WBN Unit 2 FSAR A98

"Summary Listing of A98 FSAR Changes"

<b>Item No.</b>	<b>Section</b>	<b>Section Title</b>	<b>Change Package Number</b>
23.	8.3.1.1	Revise to Allow Safeguard Test	2-98-20
24.	9.2	Water Systems	2-98-07 2-98-28
25.	9.2.4	New Sewage Treatment Process	2-98-36
26.	9.3	Process Auxiliaries	2-98-10
27.	9.4	Air Conditioning, Heating, Cooling, and Ventilation Systems	2-98-09
28.	10.1	Main Steam and Power Conversion Systems (Summary Description)	2-98-14
29.	11.2.6	Estimated Total Liquid Releases	2-98-39
30.	11.3	Table 11.3-11, Individual Doses From Gaseous Effluents	2-98-22 2-98-40
31.	12.3.1	Radiation Protection Design Features	2-98-35 2-98-42
32.	15.2	Condition II – Faults of Moderate Frequency	2-98-04
33.	15.2.9	Coincident Loss of Onsite and External AC Power to the Station – Loss of Offsite Power to the Station Auxiliaries	2-98-24

## ENCLOSURE 2

### WBN Unit 2 FSAR A98

#### **“Background of WBN Unit 2 FSAR Change Process and Description of Re-Review Effort”**

##### **Background**

Upon TVA's decision to complete WBN Unit 2, initial discussions between TVA and the NRC Staff concerning development of the FSAR resulted in an agreement that WBN Amendment 91 (A91) would be the baseline for Unit 2. FSAR A91 was originally placed on both Unit 1 and Unit 2 dockets on October 24, 1995, which was the last time that the WBN FSAR was placed upon both dockets prior to Unit 1 being licensed. As a result of the above discussions, A91 was subsequently resubmitted on July 2, 2008. The resubmitted A91 was created by scanning a historical copy and then Optical Character Recognizing (to enable search capability) the scanned document for submittal to NRC. In preparation for future amendments, TVA contracted the conversion of the historical copy of A91 to Adobe Software "Framemaker," which is the latest industry tool used for FSAR maintenance and submittal. It was not known until after a number of amendments were submitted that a number of electronic-type problems were created during this conversion effort.

FSAR A92 submitted on December 18, 2008, incorporated a number of changes involving required common systems having been completed for Unit 1 operation. TVA's Redline letter dated February 8, 2008, identified the significant FSAR changes to common systems that had been incorporated into the Unit 1 Updated FSAR that were used in the development of A92. Subsequent amendments included FSAR A93 (submitted April 30, 2009), A94 (August 27, 2009), A95 (November 24, 2009), A96 (December 14, 2009), and A97 (January 11, 2010) resulted from TVA's FSAR confirmation effort which focused on addressing specific FSAR sections based upon the system design completion schedules.

##### **Description of Re-Review**

A number of NRC identified questions/requests were identified to TVA concerning the Unit 2 FSAR amendments submitted to date, some of which were editorial/administrative in nature. Based upon this feedback, TVA determined that a re-review of the FSAR sections was warranted. The initial phase of the re-review was to perform a "page turn" focused on finding formatting, typographical, editorial, and administrative-type errors. The second phase of the re-review was initiated to ensure that revision bars existed where needed and were consistent with amendment number indicated at the top of each page. The third phase provided an independent review to ensure that the FSAR change packages received from TVA's engineering staff were incorporated accurately.

Enclosure 1 contains the substantive changes identified during this re-review effort. The remaining administrative/typographical identified items were captured in a common database. A detailed list of these will be made available for NRC use.

**ENCLOSURE 3**

**WBN Unit 2 FSAR A98  
"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)
2	2.5-690	2.5	2.5-358	Security Related, 10CFR2.390(d)(1)

**ENCLOSURE 3**

**WBN Unit 2 FSAR A98  
"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	2.5-934	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)
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)



**ENCLOSURE 3**

**WBN Unit 2 FSAR A98  
"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	8.2-44	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

### **Watts Bar Nuclear Plant Unit 2 FSAR Amendment 98 "New Commitment"**

1. TVA will submit a revision to Section 2.3, "Meteorology," by May 28, 2010, to address NRC request for information.

**ENCLOSURE 5**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 98 - 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	365,608
002_TVA_WB_FSAR_LEP.pdf	2,873,682
003_TVA_WB_FSAR_Section_1.pdf	4,643,237
004_TVA_WB_FSAR_Section_2_A.pdf	10,004,406
005_TVA_WB_FSAR_Section_2_B_1_of_2.pdf	40,561,631
005_TVA_WB_FSAR_Section_2_B_2_of_2.pdf	12,403,835
006_TVA_WB_FSAR_Section_2_C.pdf	2,136,843
007_TVA_WB_FSAR_Section_2_D.pdf	31,347,169
008_TVA_WB_FSAR_Section_2_E.pdf	47,382,126
009_TVA_WB_FSAR_Section_3_A.pdf	2,649,829
010_TVA_WB_FSAR_Section_3_B.pdf	7,100,480
011_TVA_WB_FSAR_Section_3_C.pdf	30,068,314
012_TVA_WB_FSAR_Section_3_D.pdf	6,063,858
013_TVA_WB_FSAR_Section_4.pdf	12,606,045
014_TVA_WB_FSAR_Section_5.pdf	9,285,695
015_TVA_WB_FSAR_Section_6_A.pdf	18,822,408
016_TVA_WB_FSAR_Section_6_B.pdf	8,042,692
017_TVA_WB_FSAR_Section_7.pdf	9,384,548
018_TVA_WB_FSAR_Section_8.pdf	29,737,348
019_TVA_WB_FSAR_Section_9_A.pdf	24,555,513
020_TVA_WB_FSAR_Section_9_B.pdf	15,331,057
021_TVA_WB_FSAR_Section_10.pdf	14,246,675
022_TVA_WB_FSAR_Section_11.pdf	4,031,537
023_TVA_WB_FSAR_Section_12.pdf	5,987,905
024_TVA_WB_FSAR_Section_13.pdf	3,253,533
025_TVA_WB_FSAR_Section_14.pdf	1,196,851

**ENCLOSURE 5**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 98 - List of Files on *Security-Related OSM***

File Name	File Size - Bytes
026_TVA_WB_FSAR_Section_15.pdf	35,576,210
027_TVA_WB_FSAR_Section_16.pdf	149,467
028_TVA_WB_FSAR_Section_17.pdf	174,883
<b>Total</b>	<b>389,983,385</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 5**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 98 - 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	1,202,693
<b>Total</b>	<b>1,202,693</b>

**ENCLOSURE 6**  
**TVA Watts Bar Nuclear Plant Unit 2**  
**FSAR Amendment 98 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	365,608
002_TVA_WB_FSAR_LEP.pdf	2,873,682
003_TVA_WB_FSAR_Section_1.pdf	<b><i>847,812</i></b>
004_TVA_WB_FSAR_Section_2_A.pdf	<b><i>9,667,889</i></b>
005_TVA_WB_FSAR_Section_2_B_1_of_2.pdf	<b><i>31,874,004</i></b>
005_TVA_WB_FSAR_Section_2_B_2_of_2.pdf	<b><i>9,368,712</i></b>
006_TVA_WB_FSAR_Section_2_C.pdf	2,136,843
007_TVA_WB_FSAR_Section_2_D.pdf	31,347,169
008_TVA_WB_FSAR_Section_2_E.pdf	<b><i>46,002,696</i></b>
009_TVA_WB_FSAR_Section_3_A.pdf	<b><i>2,358,417</i></b>
010_TVA_WB_FSAR_Section_3_B.pdf	<b><i>5,698,742</i></b>
011_TVA_WB_FSAR_Section_3_C.pdf	<b><i>25,235,897</i></b>
012_TVA_WB_FSAR_Section_3_D.pdf	<b><i>5,795,155</i></b>
013_TVA_WB_FSAR_Section_4.pdf	12,606,045
014_TVA_WB_FSAR_Section_5.pdf	9,285,695
015_TVA_WB_FSAR_Section_6_A.pdf	<b><i>15,941,929</i></b>
016_TVA_WB_FSAR_Section_6_B.pdf	8,042,692
017_TVA_WB_FSAR_Section_7.pdf	9,384,548
018_TVA_WB_FSAR_Section_8.pdf	<b><i>26,777,422</i></b>
019_TVA_WB_FSAR_Section_9_A.pdf	<b><i>24,294,427</i></b>
020_TVA_WB_FSAR_Section_9_B.pdf	<b><i>14,169,016</i></b>
021_TVA_WB_FSAR_Section_10.pdf	14,246,675
022_TVA_WB_FSAR_Section_11.pdf	4,031,537
023_TVA_WB_FSAR_Section_12.pdf	<b><i>1,719,952</i></b>
024_TVA_WB_FSAR_Section_13.pdf	3,264,994
025_TVA_WB_FSAR_Section_14.pdf	1,196,851
026_TVA_WB_FSAR_Section_15.pdf	35,576,210

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021_TVA_WB_FSAR_Figure_2.5_572.pdf	2,196,945
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023_TVA_WB_FSAR_Figure_2.5_576_1.pdf	3,238,525

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029_TVA_WB_FSAR_Figure_2.5_588.pdf	2,528,515
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037_TVA_WB_FSAR_Figure_2.5_604.pdf	6,392,279
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001_TVA_WB_FSAR_Table_6.2.4-1.pdf	1,202,693
<b>Total</b>	<b>1,202,693</b>