

Attachment 1 to be withheld from Public Disclosure Under 10 CFR 2.390. When separated from this Enclosure, this letter is decontrolled.



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

November 17, 2011

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
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 107

- References:
1. TVA letter to NRC dated September 15, 2011, "Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Safety Analysis Report (FSAR), Amendment 106"
 2. TVA letter to NRC dated October 17, 2011, "Watts Bar Nuclear Plant (FSAR) - Chapter 15.5 Fuel Handling Accident (FHA) Dose Analysis"
 3. TVA letter to NRC dated November 7, 2011, "Meteorology Data for Accident Dose Analysis"

This letter transmits WBN Unit 2 FSAR Amendment 107 (A107), which reflects changes made since the issuance of Amendment 106 on September 15, 2011 (Reference 1).

Enclosure 1 contains a summary listing of FSAR sections and corresponding Unit 2 change package numbers associated with the A107 FSAR changes.

FSAR A107 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 2 contains a listing of the FSAR pages that have been redacted. Enclosure 3 lists the files and file sizes on the security-related OSM (OSM #1), and Enclosure 4 lists the files and file sizes on the publicly available OSM (OSM #2).

A053
NR

A107 addresses the outstanding portion of Supplemental Safety Evaluation Report (SSER) 24, Item No. 91. (See Enclosure 1, Item 13.) Item No. 91 had been partially addressed by Amendment 106 (Reference 1). A107 also incorporates information previously provided by References 2 and 3. In addition, to maintain consistency with updates to the Unit 1 Updated Final Safety Analysis Report (UFSAR), this amendment adopts a portion of those UFSAR Amendment 9 changes. Other UFSAR changes were not adopted mostly due to known differences between the units.

There are no new commitments made in this letter. This letter does not close any "Generic Communications." If you have any questions, please contact Gordon Arent at (423) 365-2004.

I declare under the penalty of perjury that the foregoing is true and correct. Executed on the 17th day of November, 2011.

Respectfully,

A handwritten signature in black ink, appearing to read 'D. Stinson', with a stylized flourish at the end.

David Stinson
Watts Bar Unit 2 Vice President

Enclosures:

1. WBN Unit 2 FSAR A107, "Summary Listing of A107 FSAR Changes"
2. WBN Unit 2 FSAR A107, "Summary of Redacted Pages"
3. WBN Unit 2 FSAR A107, "List of files and file sizes on the security-related OSM (OSM #1)"
4. WBN Unit 2 FSAR A107, "List of files and file sizes on the publicly available OSM (OSM #2)"

Attachments:

1. OSM #1: WBN Unit 2 FSAR Amendment 107 - Security-Related Information - Withhold Under 10 CFR 2.390
2. OSM #2: WBN Unit 2 FSAR Amendment 107 - Publicly Available Version

cc: See Page 3

U.S. Nuclear Regulatory Commission
Page 3
November 17, 2011

cc (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 A107

“Summary Listing of A107 FSAR Changes”

Item No.	Change Area	Change Description	Change Package Number
1.	Table 3.2-2	Delete from Table 3.2-2 (Page 16 of 18) “Miscellaneous; Gas Stripper & Boric Acid; Evap. Pkg.”	2-107-01
2.	Table 3.9-25	For Table 3.9-25, revise method of actuation from “motor” to “air” and valve type from “Gate” to “Globe” for the following list of valves: 1,2-FCV-90-107 1,2-FCV-90-108 1,2-FCV-90-109 1,2-FCV-90-110 1,2-FCV-90-111 1,2-FCV-90-113 1,2-FCV-90-114 1,2-FCV-90-115 1,2-FCV-90-116 1,2-FCV-90-117	2-107-02
3.	Table 3.9-25	Remove valve CKV-31-2193 from FSAR Table 3.9-25, Sheet 8 of 23.	2-107-03
4.	Table 3.9-17 Table 3.9-25	1. On FSAR Table 3.9-17, Sheet 6 of 9, change the valve type for valve CKV-63-868 from “Angle” to “Check.” 2. Move valve RFV-63-28 from FSAR Table 3.9-25, Sheet 12 of 23, to FSAR Table 3.9-17, Sheet 6 of 9. 3. On FSAR Table 3.9-25, Sheet 15 of 23, add valve 2-FCV-67-146. 4. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number TCV-67-1053-B to 0-TCV-671053-B. 5. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-517A to 0-CKV-67-517A. 6. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-512A to 0-CKV-67-512A. 7. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-940A to 1-CKV-67-940A. 8. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-935B to 2-CKV-67-935B. 9. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-503D to 0-CKV-67-503D.	2-107-04

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
4. (cont.)	Table 3.9-17 Table 3.9-25	<p>10. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-503E to 0-CKV-67-503E as shown on the attached FSAR markup.</p> <p>11. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-503F to 0-CKV-67-503F.</p> <p>12. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-503G to 0-CKV-67-503G.</p> <p>13. On FSAR Table 3.9-25, Sheet 17 of 23, change valve number CKV-67-503H to 0-CKV-67-503H.</p> <p>14. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502A to 0-CKV-67-502A.</p> <p>15. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502B to 0-CKV-67-502B.</p> <p>16. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502C to 0-CKV-67-502C.</p> <p>17. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502D to 0-CKV-67-502D.</p> <p>18. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502E to 0-CKV-67-502E.</p> <p>19. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502F to 0-CKV-67-502F.</p> <p>20. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502G to 0-CKV-67-502G.</p> <p>21. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number CKV-67-502H to 0-CKV-67-502H.</p> <p>22. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number FSV-67-1221-A to 0-FSV-67-1221-A.</p> <p>23. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number PCV-67-1222 to 0-PCV-67-1222.</p>	2-107-04

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
4. (cont.)	Table 3.9-17 Table 3.9-25	<p>24. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number TCV-67-1222A to 0-TCV-67-1222A.</p> <p>25. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number TCV-67-1222B to 0-TCV-67-1222B.</p> <p>26. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number FSV-67-1223-B to 0-FSV-67-1223-B.</p> <p>27. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number PCV-67-1224 to 0-PCV-67-1224.</p> <p>28. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number TCV-67-1224A to 0-TCV-67-1224A.</p> <p>29. On FSAR Table 3.9-25, Sheet 18 of 23, change valve number TCV-67-1224B to 0-TCV-67-1224B.</p>	2-107-04
5.	Table 3.9-25 Table 3.9-26	<p>1. Identify valves FCV-43-75 and FCV-43-77 on FSAR Tables 3.9-25 and 3.9-26 as Unit 1 valves as shown on the attached FSAR markup.</p> <p>2. Identify valves PCV-43-200A and PCV-43-200B on FSAR Table 3.9-25 as Unit 1 valves as shown on the attached FSAR markup.</p> <p>3. Identify valves FCV-43-207-B and FCV-43-208-B on FSAR Tables 3.9-25 and 3.9-26 as Unit 1 valves as shown on the attached FSAR markup.</p> <p>4. Identify valves FCV-43-435 and FCV-43-436 on FSAR Table 3.9-25, Sheet 12 of 23, as Unit 1 valves as shown on the attached FSAR markup.</p> <p>5. Identify valves FSV-43-250, FSV-43-251, FSV-43-287, FSV-43-288, FSV-43-307, FSV-43-309, FSV-43-310, FSV-43-318, FSV-43-319, FSV-43-325, FSV-43-341 and FSV-43-342 on FSAR Table 3.9-26 as Unit 1 valves as shown on the attached FSAR markup.</p> <p>6. Identify valves 43-834, 43-841, 43-883 and 43-884 on FSAR Table 3.9-26 as Unit 1 valves as shown on the attached FSAR markup.</p>	2-107-05

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
6.	Table 6.3-1	On Table 6.3-1 (page 3 of 4) change Maximum Stroke Time for valves FCV-63-25 and -26 from 12 sec to 20 sec.	2-107-06
7	Table 9.3-7	<ol style="list-style-type: none"> 1. Revise the "Method of Failure Detection" column for Item 68 on FSAR Table 9.3-7, Sheet 39 of 45, by correcting the hand switch numbers from "2-HS-172A and -175A" to "2-HS-3-172A and -175A" as shown on the attached FSAR markup. Also correct the valve numbers identified in the "Effect on Plant" column for Item 68 from "2-LCV-3-173 and -74" to "2-LCV-3-173 and -174" as shown on the attached FSAR markup. 2. Revise the valve number in the "Effect on System" column for Item 73 on FSAR Table 9.3-7, Sheet 41 of 45, from "2-FCV-81" to "2-FCV-32-81" as shown on the attached FSAR markup. 	2-107-07
8.	Table 9.4-4	<ol style="list-style-type: none"> 1. On FSAR Table 9.4-4, Sheet 1 of 16, revise the "Remarks" column for Item 1. 2. On FSAR Table 9.4-4, Sheet 2 of 16, delete the line which separates the table into two parts. Also, revise the "Component Identification," "Function," "Method of Failure Detection," "Effect On System" and "Remarks" columns for Item 2. 3. On FSAR Table 9.4-4, Sheet 3 of 16, revise the "Method of Failure Detection" and "Remarks" columns for Item 2. 4. On FSAR Table 9.4-4, Sheet 4 of 16, revise the "Remarks" column for Item 2. 5. On FSAR Table 9.4-4, Sheet 5 of 16, revise the "Failure Mode," "Effect on System" and "Remarks" columns for Item 3. 6. On FSAR Table 9.4-4, Sheet 6 of 16, revise the "Method of Failure Detection," "Effect on System," "Effect on Plant" and "Remarks" columns for Item 4. 7. On FSAR Table 9.4-4, Sheet 7 of 16, revise the "Component Identification," "Function," "Method of Failure Detection," "Effect on System" and "Remarks" columns for Item 5. 8. On FSAR Table 9.4-4, Sheet 8 of 16, revise the "Method of Failure Detection" and "Remarks" columns for Item 5. 	2-107-08

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
8. (cont.)	Table 9.4-4	<p>9. On FSAR Table 9.4-4, Sheet 9 of 16, revise the "Potential Cause," "Effect on System" and "Remarks" columns for Item 6.</p> <p>10. On FSAR Table 9.4-4, Sheet 10 of 16, revise the "Potential Cause" column for Item 8 and the "Method of Failure Detection," "Effect on System" and "Remarks" columns for Items 7 and 8.</p> <p>11. On FSAR Table 9.4-4, Sheet 11 of 16, revise the "Function," "Method of Failure Detection," "Effect on System" and "Remarks" columns for Item 9.</p> <p>12. On FSAR Table 9.4-4, Sheet 12 of 16, revise the "Function," "Potential Cause," "Effect on System" and "Remarks" columns for Item 10 and the "Remarks" column for Item 11.</p> <p>13. On FSAR Table 9.4-4, Sheet 13 of 16, revise the "Function" and "Remarks" columns for Items 12 and 13 and the "Effect on System" column for Item 12.</p> <p>14. On FSAR Table 9.4-4, Sheet 14 of 16, revise the "Remarks" column for Item 14.</p> <p>15. On FSAR Table 9.4-4, Sheet 15 of 16, revise the "Method of Failure Detection" and "Effect on System" columns for Item 17 and the "Remarks" column for Items 15 and 17.</p> <p>16. On FSAR Table 9.4-4, Sheet 16 of 16, revise the "Component Identification," "Potential Cause" and "Remarks" columns for Item 18.</p>	2-107-08
9.	9.4	In the last sentence of the first paragraph of FSAR Section 9.4.7.2.3, change the identification of the Unit 1 Lower Compartment Cooler (LCC) that has a reduced cooling capacity from LCC 1D-B to LCC 1C-A.	2-107-09
10.	2.4	<p>1. On Page 2.4-22 (A106), delete the word "only" from the last line of the page.</p> <p>2. On Page 2.4-23 (A106), replace the partial paragraph at the top of the page prior to the "Flood Routing," to read as follows:</p> <p>"baskets are not required to be stable following an OBE or SSE and are not assumed to increase the height of the embankments."</p>	2-107-10

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
10. (cont.)	2.4	<p>3. On Page 2.4-28, replace the next to last paragraph which begins with "This combination was not run..." with the following paragraph:</p> <p>In the hydrological routing for these postulated failures, the headwater at Watts Bar Dam would reach elevation 763.1 ft., 6.9 ft. below the top of the dam. The west saddle dike at Watts Bar with a top elevation of 757 would be overtopped and breached. A complete washout of the dike is assumed. Chickamauga Dam headwater would reach 702.95 ft., 3.05 ft. below the top of the dam. The embankments at Nickajack Dam would be overtopped but were conservatively postulated not to breach.</p> <p>4. On Page 2.4-28, delete the words, "using the Bellefonte Nuclear" in the last line of the page.</p> <p>5. On Page 2.4-29, delete the words, "Plant analysis," from the beginning of the first line of the page.</p> <p>6. On Page 2.4-29, revise the cfs flow value from "1,104,323" to "902,687" in the first line at the top of the page.</p> <p>7. On Page 2.4-29, revise the peak elevation and height above plant grade from "729.22, 1.22" to 729.07, 1.07" respectively.</p> <p>8. On Page 2.4-31, Insert the following "Loudoun" and "The" in the second paragraph of page:</p> <p>"The sand baskets are assumed to fail in the SSE and are thus not credited for increasing the height of the Fort Loudoun embankments."</p> <p>9. On Page 2.4-31, delete the phrase, "sand baskets as well as the," from the third line of the second paragraph from the top of the page.</p> <p>10. On Page 2.4-31, replace the values for "headwater elevation" and "feet below the top of the earth embankment" in the fourth line of the second paragraph from "765.49, 4.51," to "765.54, 4.46," respectively.</p>	2-107-10

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
10. (cont.)	2.4	<p>11. On Page 2.4-31, replace the values for "Chickamauga Dam elevation" and "feet below the top of dam," in the seventh line of the second paragraph from "701.10 ft. , 4.91," to "701.14, 4.86," respectively.</p> <p>12. On Page 2.4-31, revise the maximum discharge value from "977,618" to "979,385" in the third paragraph from the top of the page.</p> <p>13. On Page 2.4-31, revise the values for the "site elevation" and "feet above plant grade" in the second line of the third paragraph from the top of the page from "731.11, 3.11" to "731.17, 3.17," respectively.</p> <p>14. On Page 2.4-31, revise figure reference in the fourth paragraph from the top of the page from "2.4-113" to "2.4-114."</p> <p>15. On Page 2.4-82, Table 2.4-14, revise the values for Watts Bar Nuclear elevations for Item 2 and Item 5 from "729.22" to "729.07" and from "731.11" to "731.17," respectively.</p> <p>16. Delete Figure 2.4-113 on Page 2.4-244.</p> <p>17. For Figure 2.4-114 on Page 2.4-245, revise peak elevation value from "731.11" to "731.37."</p> <p>18. For Figure 2.4-116 on Page 2.4-247, revise peak elevation value from "729.22" to "729.07."</p>	2-107-10
11.	Table 3.5-25	On FSAR Table 3.9-25, Sheet 1 of 15, change the Function/Description for valves FCV-1-181, FCV-1-182, FCV-1-183 and FCV-1-184 from "Containment Isolation" to "Blowdown Isolation".	2-107-11
12.	Section 15.5 Table 15.5-2 Table 15.5-3 Table 15.5-6 Table 15.5-12 Table 15.5-14 Table 15.5-17 Table 15.5-18 Table 15.5-19 Table 15.5-20 Table 15.5-20a Table 15.5-23	Revise the text for FSAR section 15.5.6, and Tables 15.5-2, 15.5-3, 15.5-6, 15.5-12, 15.5-14, 15.5-17, 15.5-18, 15.5-19, 15.5-20, 15.5-20a (new) and 15.5-23 as shown on the attached markup to reflect changes in calculations WBNTSR008, R14, WBNTSR009, R14, WBNTSR080, R9, WBNAPS3077, R14, & WBNAPS3104, R4. The calculations were changed to reflect changes in Atmospheric Dispersion Coefficients (X/Os), and to reflect changes in the Fuel Handling Accident (FHA) dose calculation methodology. The revisions include changes in X/Os and offsite and main control room radiation doses for the Fuel Handling Accident and Main Control Room dose for the Steam Generator Tube Rupture, Loss of Off Site Power, & Main Steam Line Break. In addition, tables were revised to reference tables containing Meteorological conditions.	2-107-12

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
13. SSER Item No. 91	Section 9.2.1.3	<p>On FSAR Section 9.2.1.3, add a paragraph after the sixth paragraph on FSAR page 9.2-7 (A106) which states the following:</p> <p>"A calculation has been performed that demonstrates there is sufficient ERCW and CCS capability to meet the GDC 5 requirement to bring the non-accident unit to cold shutdown. This calculation shows the non-accident unit can reach cold shutdown within 72 hours from entry into the Hot Standby mode. This cooldown analysis is performed with CCS carrying all required loads on both the accident and (later in the event) the non-accident unit, including the Spent Fuel Pool. The Core Decay Heat used in the calculation is consistent with the decay heat used in the normal cooldown analysis. The analysis is conservative in that, once RHR is placed inservice, credit for decay heat removal by the Steam Generators / Auxiliary Feedwater System is no longer taken."</p>	2-107-13
14.	Table 5.5-8 Figure 6.3.2	<ol style="list-style-type: none">1. Revise FSAR Figure 6.3-2 for the "Performance Curves for the RHR Pumps" for Unit 2.2. Revise FSAR Table 5.5-8 for the RHR System Component Data for Unit 2.	2-107-14
15.	Section 2.3	<ol style="list-style-type: none">1. In FSAR Section 2.3.3.1, replace the paragraph under Data Acquisition System with the paragraph as follows: "The data acquisition system is located at the EDS and consists of meteorological sensors, a computer (with peripherals), and various interface devices. These devices send meteorological data to the plant, to the Central Emergency Control Center (CECC), and to an offsite computer that enables call-up for data validation and archiving. An older data collection system, which included a NOVA microcomputer, was replaced on March 2, 1989. The previous data collection system, which included a micro-VAX minicomputer, was replaced by a new system on May 24, 2010."	2-107-15

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
15. (cont.)	Section 2.3	<p>2. In FSAR Section 2.3.3.1, replace the second paragraph under Data Recording and Display with the paragraph as follows:</p> <p>"Meteorological sensor outputs (except rainfall) are measured every five seconds (720 per hour). Rainfall is measured continuously as it occurs. Software data processing routines within the computer accumulate output and perform data calculations to generate 15-minute and hourly averages of wind speed and temperature, 15-minute and hourly vector wind speed and direction, 15-minute and hourly total precipitation, hourly average of dewpoint, and hourly horizontal wind direction sigmas. Prior to February 11, 1987, a prevailing wind direction calculation method was used. Subsequently, vector wind speed and direction have been calculated along with arithmetic average wind speed. Prior to February 1, 1975, only one reading of temperature and dewpoint was made each hour. Between February 1, 1975 and June 13, 2010, temperature and dewpoint were measured every minute (60 per hour)."</p> <p>3. In FSAR Section 2.3.3.3, add reference to Tables 2.3-76 through 2.3-83.</p> <p>4. In FSAR Section 2.3.3.3, add reference to figures 2.3-7a through 2.3-13a.</p>	2-107-15

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
15. (cont.)	Section 2.3	<p>5. In FSAR Section 2.3.3.3, add the paragraphs after the fourth paragraph, as follows:</p> <p>"Because of the time that elapsed between completion of Unit 1 and licensing of Unit 2, additional analyses were performed based on the 20-year period 1991-2010 to reflect more recent meteorological conditions. Tables 2.3-76 through 2.3-83 (and Figures 2.3-7a through 2.3-13a) present summaries of hourly data for the wind at 10 meters and vertical temperature difference ($\sim T$) between 10 and 46 meters (in the form of stability classes A-G).</p> <p>Overall, the 1991-2010 data are comparable with data from earlier periods. However, some significant differences are apparent:</p> <ul style="list-style-type: none"> • There is a significant increase in the frequency of the "G" stability class (from 7.758% to 11.426%), while all other stability classes change by a much smaller rate (less the 1.6% change). • The average wind speed decreased from over 4.0 miles per hour to about 3.6 miles per hour. • The number of calms decreased from 4930 to 3839. While this appears to be inconsistent with the decrease in wind speeds, it likely results from changes in wind sampling instrumentation that improved measurements of low-wind speed conditions. • Although no individual wind direction frequency had a difference greater than $\pm 1.8\%$, there is a noticeable increase in winds from the southwest through north-northwest ($\sim 6.1\%$), with a corresponding decrease in winds from the north-northeast through east ($\sim 4.6\%$) and southeast through south-southwest ($\sim 1.9\%$). <p>The FSAR Chapter 11 normal release evaluation was done using the meteorology data from the time period of 1986 to 2005 and is consistent with the Supplemental Environmental Impact Statement. The updated meteorology data from the time period of 1991 to 2010 as described above is reflected in FSAR section 2.3.4 and is used in the Chapter 15 accident analysis."</p>	2-107-15

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
15. (cont.)	Section 2.3	<p>6. In FSAR Section 2.3.4.1, replace the first paragraph with the following:</p> <p>"Estimates of atmospheric diffusion for accident releases are expressed as dispersion factors (x/Q) calculated for specified time intervals based on ground-level releases from the Watts Bar Nuclear Plant. Three different set of calculations have been performed for the Watts Bar FSAR. The original FSAR calculations were based on data collected at the Watts Bar onsite meteorological facility during July 1, 1973 through June 30, 1975 and R.G. 1.4 methodology.^[42] The revised x/Q values were based on onsite meteorological data for 1974 through 1993 and RG 1.145 calculation methodology.^[41] The latest x/Q values are also based on the RG 1.145 calculation methodology, but use onsite meteorological data for 1991 through 2010. All data used include wind direction and wind speed at 10 meters above ground and vertical temperature difference (ΔT) between 10 and 46 meters above ground. The latest x/Q values at the exclusion area boundary and at the outer boundary of the low population zone (LPZ) were calculated as stated below."</p> <p>7. In FSAR Section 2.3.4.2, replace the first four paragraphs with the following:</p> <p>The original FSAR values are presented with the updated bases for comparison.</p> <p>The 1-hour sector-specific and overall (all directions combined) atmospheric dispersion factors (x/Q) for the exclusion boundary are presented in Table 2.3-61 based on the 15 year data set of 1974-1988, in Table 2.3.61a based on the 20-year data set of 1974-1993, and in Table 2.3.61 b based on the 20-year data set of 1991-2010. The maximum 0.5th and 5th percentile x/Q values from 1974-1988 are $6.040 \times 10^{-4} \text{ sec/m}^3$ and $5.323 \times 10^{-4} \text{ sec/m}^3$. The maximum 0.5th and 5th percentile x/Q values from 1974-1993 are $6.069 \times 10^{-4} \text{ sec/m}^3$ and $5.263 \times 10^{-5} \text{ sec/m}^3$. The maximum 0.5th and 5th percentile x/Q values from 1991-2010 are $6.382 \times 10^{-4} \text{ sec/m}^3$ and $5.486 \times 10^{-4} \text{ sec m}^3$. The 1991-2010 x/Q values are slightly higher (~5%) than the earlier values.</p>	2-107-15

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number																				
15. (cont.)	Section 2.3	<p>The 1-hour 0.5th percentile, 1-hour 5th percentile, and annual average x/Q values for each of the 16 plume sectors and the 1-hour overall 0.5th and 5th percentile x/Q values for the low population zone distance are presented in Table 2.3-62 based on 1974-1988, Table 2.3-62a based on 1974-1993, and Table 2.3-62b based on 1991-2010. For the maximum values in each category, the 1991-2010 x/Q values are slightly higher than the earlier values.</p> <p>For 8-hour, 16-hour, 3-day, and 26-day averaging periods, the x/Q values were obtained by logarithmic interpolation between the 1-hour and annual average x/Q values. The 5th percentile overall site 1-hour x/Q and the maximum sector annual average x/Q were used to produce the values given in Table 2.3-63 (1974-1988), Table 2.3-63a (1974-1993), and Table 2.3-63b (1991-2010).</p> <p>The 0.5th percentile 1-hour x/Q and annual average x/Q for each sector were used to produce the values given in Table 2.3-64 (1974-1988), Table 2.3-64a (1974-1993), and Table 2.3-64b (1992-2010). The respective values (and affected sectors) are:</p> <table border="1"> <thead> <tr> <th>Period</th><th>1974-1988</th><th>1974-1993</th><th>1991-2010</th></tr> </thead> <tbody> <tr> <td>8-hour</td><td>6.765 x 10⁻⁵ SE</td><td>6.677 X 10⁻⁵ SE</td><td>8.835 x 10⁻⁵ E</td></tr> <tr> <td>16-hour</td><td>4.629 x 10⁻⁵ SE</td><td>4.592 x 10⁻⁵ SE</td><td>6.217 x 10⁻⁵ E</td></tr> <tr> <td>3-day</td><td>2.032 x 10⁻⁵ SE</td><td>2.041 x 10⁻⁵ E</td><td>2.900 x 10⁻⁵ E</td></tr> <tr> <td>26-day</td><td>6.257 x 10⁻⁶ ESE</td><td>6.553 x 10⁻⁶ ESE</td><td>9.811 x 10⁻⁶ ESE</td></tr> </tbody> </table> <p>8. In FSAR Section 2.3.4.2, replace the last paragraph with the paragraph as follows:</p> <p>"Dispersion meteorology used in accident analyses in Chapter 15 include x/Q values in Table 2.3-66b and 1/U values in Table 2.3-67b. These values were based on the 20-year data set for 1991-2010. Tables 2.3-66 and 2.3-67 present the same information based on 1974-1988. Tables 2.3-66a and 2.3-67a present the same information based on 1974-1993."</p> <p>9. In FSAR section 2.3.5, delete the words "20 year" in the last paragraph on page 2.3-17.</p>	Period	1974-1988	1974-1993	1991-2010	8-hour	6.765 x 10 ⁻⁵ SE	6.677 X 10 ⁻⁵ SE	8.835 x 10 ⁻⁵ E	16-hour	4.629 x 10 ⁻⁵ SE	4.592 x 10 ⁻⁵ SE	6.217 x 10 ⁻⁵ E	3-day	2.032 x 10 ⁻⁵ SE	2.041 x 10 ⁻⁵ E	2.900 x 10 ⁻⁵ E	26-day	6.257 x 10 ⁻⁶ ESE	6.553 x 10 ⁻⁶ ESE	9.811 x 10 ⁻⁶ ESE	2-107-15
Period	1974-1988	1974-1993	1991-2010																				
8-hour	6.765 x 10 ⁻⁵ SE	6.677 X 10 ⁻⁵ SE	8.835 x 10 ⁻⁵ E																				
16-hour	4.629 x 10 ⁻⁵ SE	4.592 x 10 ⁻⁵ SE	6.217 x 10 ⁻⁵ E																				
3-day	2.032 x 10 ⁻⁵ SE	2.041 x 10 ⁻⁵ E	2.900 x 10 ⁻⁵ E																				
26-day	6.257 x 10 ⁻⁶ ESE	6.553 x 10 ⁻⁶ ESE	9.811 x 10 ⁻⁶ ESE																				

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
15. (cont.)	Section 2.3	<p>10. Renumber FSAR Table 2.3-65 to 2.3-640 and insert new page indicating Table 2.3-65 has been deleted by Amendment 107.</p> <p>11. Add new FSAR Tables 2.3-61b, 2.3-62b, 2.3-63b, 2.3-64b, 2.3-66b and 2.3-67b to the FSAR.</p> <p>12. Add new FSAR Tables 2.3-76, 2.3-77, 2.3-78, 2.3-79, 2.3-80, 2.3-81, 2.3-82 and 2.3-83 to the FSAR.</p> <p>13. Add new FSAR Figures 2.3-7a, 2.3-8a, 2.3-9a, 2.3-10a, 2.3-11a, 2.3-12a and 2.3-13a to the FSAR.</p> <p>14. Revise the FSAR List of Tables to change FSAR Table 2.3-65 to 2.3-64A and include FSAR Table 2.3-65 with the title indicating it was deleted by Amendment 107.</p> <p>15. Add new Tables 2.3-61 b, 2.3-62b, 2.3-63b, 2.3-64b, 2.3-66b and 2.3-67b with titles to the FSAR List of Tables.</p> <p>16. Revise the FSAR List of Tables to add Tables 2.3-76, 2.3-77, 2.3-78, 2.3-79, 2.3-80, 2.3-81 2.3-82 and 2.3-83.</p> <p>17. Revise the FSAR List of Figures to add Figures 2.3-7a, 2.3-8a, 2.3-9a, 2.3-10a, 2.3-11a, 2.3-12a and 2.3-13a.</p>	2-107-15

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WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
16	<p>Section 1.1 Section 3.5 Section 6.3 Section 6.9 Section 9.3 Section 9.4 Section 12.3 Section 14.2 Section 15.4 (UFSAR, A9)</p>	<p>1. Add the following as Note 8 to Section 1.1.3:</p> <p>"8. The following commitment was made for the nuclear industry in NEI 07-07, "Ground Water Protection Initiative."</p> <p>NEI 07-07 was developed to describe the industry's Ground Water Protection Initiative. The Ground Water Protection Initiative identifies actions to improve utilities' management and response to instances where the inadvertent release of radioactive substances may result in low but detectable levels of plant-related materials in subsurface soils and water.</p> <p>It is expected that this Initiative will be implemented by each member company currently operating or decommissioning a nuclear power plant and by each member company constructing a new plant after year 2006."</p> <p>2. On Page 3.5-27 (A106), insert the following after the fourth paragraph:</p> <p>The structural steel grillage roof system for the Intake Pumping Station was designed for impact from the tornado missiles listed in FSAR Table 3.5-9. The EPRI testing results (Reference 21) were used to determine the possible maximum impact force for the steel grillage roof system.</p> <p>The force-time history of the end impact loading was further refined to account for the stiffness of the missile and the target. The impulse-momentum principle (References 22 and 23) was used to analyze the midspan and end impacts. For the midspan impact, the response of the elastic-plastic single-degree system was considered along with a maximum ductility ratio of $\mu = 20$ for bending deformation (Reference 8).</p>	2-107-16

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
16 (cont.)	Section 1.1 Section 3.5 Section 6.3 Section 6.9 Section 9.3 Section 9.4 Section 12.3 Section 14.2 Section 15.4 (UFSAR, A9)	<p>3. On Page 3.5-30, insert the following references:</p> <p>(21) Stephenson, A. E., and G. E. Sliter, "Full-Scale Tornado-Missile Impact Tests," Electric Power Research Institute Final Report, EPRI NP-440, July 1977.</p> <p>(22) Civil Design Guide DG-C1.5.7, Rev. 1, "Design of Slabs for Missile Impact."</p> <p>(23) Topical Report TVA-TR78-4, "Design of Structures to Resist Missile Impact," TVA Office of Engineering Design and Construction (B41 851204 002).</p> <p>4. In Table 6.3-8, Sheet 4, Page 6.3-49 (A106), replace the term "RADCON" under "Method of Detection" for Item 3 with "radiation protection."</p> <p>5. In Table 6.3-8, Sheet 14, Page 6.3-59 (A106), replace the term "RADCON" under "Method of Detection" for Item 15 with "radiation protection."</p> <p>6. In Table 6.3-8, Sheet 27, Page 6.3-72 (A106), replace the term "RADCON" under "Method of Detection" for Item 27 with "radiation protection."</p> <p>7. On Page 6.9-1, replace the following two sentences that read: "Compliance with final TR and NRC SE is address in MMDP-5. See References [2.3, 4 and 5] for specific details" with "References 2 and 4."</p> <p>8. On Page 6.9-2, delete Reference 5.</p> <p>9. On Page 9.3-13 in the second paragraph of Section 9.3.3.2.1, insert the following after the word "experience":</p> <p>"with the exception of an unisolable break in the RWST discharge header. In the event this break occurs, flooding on Elevations 674.0 and 676.0 is minimized by transferring water to storage locations available inside the Auxiliary Building."</p>	2-107-16

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WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
16 (cont.)	Section 1.1 Section 3.5 Section 6.3 Section 6.9 Section 9.3 Section 9.4 Section 12.3 Section 14.2 Section 15.4 (UFSAR, A9)	<p>10. For Section 9.4.5.2.1.2, on Page 9.4-30 (A106), Insert the following after the fifth sentence of the first paragraph: "During testing of the diesel generators, the diesel room exhaust fans start automatically in response to diesel start if the temperature at the local temperature switches located in the exhaust fan rooms is greater than the required setpoint. Although the DG room exhaust fans may not auto start and run during the monthly testing in the winter months, normal operation of the exhaust fans during testing of the diesel generators at other times of the year in addition to the fans running during the summer months (without concurrent DG operation) prevents a buildup of hydrogen gas above the LEL of 2% by volume."</p> <p>11. On Page 12.3-3 (A106), replace the term "radiological control (RADCON)" with "radiation protection," within the first paragraph of page.</p> <p>12. On Page 12.3-5 (A106), replace the title of Section 12.5 with "Radiation Protection" at the end of the section paragraph of Section 12.3.2.2 under the heading of "Plant Shielding."</p> <p>13. On Page 12.3-14 (A106), replace the term "radiological control (RADCON)" with "radiation protection," within the first paragraph of page.</p> <p>14. On Page 12.3-23 (A106), replace the term "RADCON" in two places, one in the second paragraph and the other in the fourth paragraph of Section 12.3.4.2.2 with "radiation protection."</p> <p>15. On Page 14.2-17 (A106), replace the term "RADCON" in third paragraph of Item (d) with "radiation protection."</p> <p>16. On Page 15.4-25 (A106), replace the term "RADCON" in the first paragraph under Item (1) with "radiation protection."</p>	2-107-16

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
17.	Section 2.3 Table 2.3-61 Table 2.3-61a Table 2.3-62 Table 2.3-62a Table 2.3-63 Table 2.3-64 Table 2.3-65 Table 2.3-66 Table 2.3-66a Table 2.4-11 Table 2.4-13 Section 3.1 Section 3.8 Table 3.8B-1 Table 3.10-1 Table 3.10-3 Table 4.1 Section 4.3 Table 6.5-7 Table 8.3-10 Section 8.3 Section 9.2 Section 9.4 Table 11A-1 Table 12.2-19 Section 12.2 Table 12.3-6 Section 12.3 Section 15.5	1. On Page 2.3-20, insert a space between "Nuclear" and "Regulatory" in Item 36. 2. On Page 2.3-25, replace "potions" with "portions" in the second paragraph under table heading 3. On Page 2.3-27, replace "Coopertive" with "Cooperative" in table heading of Table 2.3-2. 4. On Pages 2.3-92 through 2.3-96 and Pages 2-3-98 through 2.3-101, replace "X/q" with "X/Q" contained within the heading of each table. 5. On Page 2.4-77 (Table 2.4-11, Page 1 of 2), delete extra space between Items 14 & 15 and Item 16. 6. On Page 2.4-80 (Table 2.4-13, Page 1 of 2), delete extra space between Items 14 & 15 and Item 16. 7. On Page 2.4-81 (Table 2.4-13, Page 1 of 2), delete extra space prior to Item 33. 8. On Page 3.1-37, correct the spelling of the word "packaging" in the sentence being with "High radiation in the waste..." 9. On Page 3.8C-5, move the " ∞ " symbol from the variable U_n of the second term to the variable " U_n " of the first term of the equation. 10. On Page 3.8B-10, replace "1a" with "1A" in the first "Hydrostatic Load" entry of Table 3.8B-1 11. On Page 3.10-16, insert "s" after "contract" in Note 1 at the bottom of Table 3.10-1. 12. On Page 3.10-29, delete the period that begins Item 21 at the bottom of Table 3.10-3. 13. On Page 4.1-4, move data for Item 22 up one line at the bottom of Table 4.1-1. 14. On Page 4.3-11, capitalize the word "reference" in the sentence that begins with "Representative axial power shapes...."	2-107-17

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WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
17. (cont.)	Section 2.3 Table 2.3-61 Table 2.3-61a Table 2.3-62 Table 2.3-62a Table 2.3-63 Table 2.3-64 Table 2.3-65 Table 2.3-66 Table 2.3-66a Table 2.4-11 Table 2.4-13 Section 3.1 Section 3.8 Table 3.8B-1 Table 3.10-1 Table 3.10-3 Table 4.1 Section 4.3 Table 6.5-7 Table 8.3-10 Section 8.3 Section 9.2 Section 9.4 Table 11A-1 Table 12.2-19 Section 12.2 Table 12.3-6 Section 12.3 Section 15.5	15. On Page 6.5-25, delete the last three lines involving hydrogen at the bottom of Table 6.5-7. Abandonment of hydrogen recombiners addressed in Amendment 95. 16. On Page 7.1-9, replace the reference to "50.36(c).1.ii.A" with "50.36(c)(1)(i)(A)." 17. On Page 8.3-78, insert "****" at the end of last two entries (i.e., "Spare 125V DC Charger DC (6-S)" and "Spare 125V DC Chargers DC (7-S & 9-S)") at the bottom of the "Component" heading column in Table 8.3-10. 18. On Page 8.3-57, remove ", and CS" from heading "125V Diesel General Batteries, 1A-A 1B-B, 2A-A, 2B-B, and C-S." 19. On Page 9.2-4, correct typographical error by replacing "ant-" with "anti-" within the last paragraph of Section 9.2.1.2. 20. On Page 9.4-27, remove extra space between the words "during" and "operation" in the third paragraph from the end of Section 9.4.5.1.1. 21. On Page 9.4-43, replace "LLC" with "LCC" in the second paragraph of Section 9.4.7.1. 22. On Page 11A-5, replace "Wnes" with "WNES" in the heading of Table 11A-1. 23. On Page 12.2-30 (Table 12.2-19, Page 1 of 3), for the Isotope Xe-137, replace value of 7.7875E-08 in the first column with the value of "7.787E-08." For Isotope Rb-88, replace value of 2.98E-06 in the first column with the value of "2.918E-06" and the value of 1.285E-02 in the last column with "1.283E-02." For Isotope Cr-51, replace the value of "9.504-08" in last column with "9.504E-08." 24. On Page 12.2-31 (Table 12.2-19, Page 2 of 3), for the Isotope Y-91m, replace value of 4.96E-13, in the first column with the value of "4.946E-13." 25. On Page 12.2-8, replace "1/2.40" with "1/193" in the second paragraph of Section 12.2.1.3.	2-107-17

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WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
17. (cont.)	Section 2.3 Table 2.3-61 Table 2.3-61a Table 2.3-62 Table 2.3-62a Table 2.3-63 Table 2.3-64 Table 2.3-65 Table 2.3-66 Table 2.3-66a Table 2.4-11 Table 2.4-13 Section 3.1 Section 3.8 Table 3.8B-1 Table 3.10-1 Table 3.10-3 Table 4.1 Section 4.3 Table 6.5-7 Table 8.3-10 Section 8.3 Section 9.2 Section 9.4 Table 11A-1 Table 12.2-19 Section 12.2 Table 12.3-6 Section 12.3 Section 15.5	26. On Page 12.3-14, correct the spelling of the word "concerning" in the first paragraph at top of the page. 27. On Page 12.3-33, add space between the foot and inches values for entries A1, A2, and A5 of Table 12.3-6, Page 1 of 7. In addition, delete references to drawings 41N470-1 and 41N473-1 for entry A2, delete references to drawings 41N470-1 and 41N473-1 for entry A3, delete reference to drawing 41N470-1 for entry A4a, and delete reference to drawing 41N309-1 for entry A5. 28. On Page 12.3-34, add space between the foot and inches values for entries A4, A10, and A18 of Table 12.3-6, Page 2 of 7. 29. On Page 15.5-8, correct the spelling of the word, "exhaust," in the fourth paragraph from top of the page.	2-107-17
18.	Table 2.3-61a	In FSAR Table 2.3-61a, revise the value given for the Dispersion Factor provided in the "5th Percentile" column for the "All Directions Combined" row from "5.263E-5" to "5.263E-4."	2-107-18
19	Section 10.4 Section 11.3 Table 3.9-25	1. Revise FSAR Table 3.9-25 to specify backup nitrogen actuation for 2-PCV-3-122, 2-PCV-3-132, 2-LCV-3-148, 2-LCV-3-148A, 2-LCV-3-156, 2-LCV-3-156A, 2-LCV-3-164, 2-LCV-3-164A, 2-LCV-3-171 and 2-LCV-3171A. 2. Revise FSAR sections 10.4.9.3 and 11.3.2 to describe the backup nitrogen supply for the above listed values.	2-107-19

ENCLOSURE 1

WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
20.	Section 6.2 Section 7.3 Section 9.4	<ol style="list-style-type: none"> On Page 6.2.3-6 (A106), in the first paragraph at the top of the page, replace the sentence that reads, "Likewise, a Loss of Coolant Accident (LOCA)/Safety Injection (SI) signal from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake will cause a CVI signal in the refueling unit" with one that reads: "Likewise, a Containment Isolation Phase A (SI Signal) from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake, or manual ABI will cause a CVI signal in the refueling unit." On Page 6.2.3-6 (A106), at the end of the first paragraph at the top of the page, insert the following sentence: "In the case where containment of both units is open to the Auxiliary Building spaces, a CVI in one unit will initiate a CVI in the other unit in order to maintain those spaces open in the ABSCE." On Page 6.2.3-10 (A106), in the second paragraph of Section 6.2.3.2.3, replace the sentence that reads, "Likewise, a Loss of Coolant Accident (LOCA)/Safety Injection (SI) signal from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake will cause a CVI signal in the refueling unit" with one that reads: "Likewise, a Containment Isolation Phase A (SI Signal) from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake, or manual ABI will cause a CVI signal in the refueling unit." On Page 6.2.3-10 (A106) under Section 6.2.3.2.3, insert into the last line of the second paragraph between the words, "valves" and "which" the following phrase: "(system valves not containment isolation valves):" On Page 6.2.3-10 (A106), under Section 6.2.3.2.3, at the end of the second paragraph, insert the following sentence: "In the case where containment of both units is open to the Auxiliary Building spaces, a CVI in one unit will initiate a CVI in the other unit in order to maintain those spaces open in the ABSCE." 	2-107-20

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WBN Unit 2 FSAR A107

"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
20. (cont.)	Section 6.2 Section 7.3 Section 9.4	<p>6. On Page 7.3-22 (A106), for the last note at the bottom of Table 7.3-2, perform the following:</p> <ul style="list-style-type: none">• Replace "Refueling Floor" with "Spent Fuel Pool" in two places.• Delete the phrase, ", SI signal from the operating unit or high temperature from the Unit 1 or Unit 2 Auxiliary Building air intake."• Insert the following phrase after the word, "Monitors:" of the first sentence: ", Containment Isolation Phase A (SI signal) from the operating unit, or high temperature from the Unit 2 Auxiliary Building air intake, or manual ABI." <p>7. On Page 9.4-10 (A106), in the second paragraph at the top of the page, replace the sentence that reads, "Likewise, a Loss of Coolant Accident (LOCA)/Safety Injection (SI) signal from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake will cause a CVI signal in the refueling unit" with one that reads: "Likewise, a Containment Isolation Phase A (SI Signal) from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake, or manual ABI will cause a CVI signal in the refueling unit."</p> <p>8. On Page 9.4-10 (A106), at the end of the second paragraph at the top of the page, insert the following sentence:</p> <p>"In the case where containment of both units is open to the Auxiliary Building spaces, a CVI in one unit will initiate a CVI in the other unit in order to maintain those spaces open in the ABSCE."</p>	2-107-20

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"Summary Listing of A107 FSAR Changes"

Item No.	Change Area	Change Description	Change Package Number
20. (cont.)	Section 6.2 Section 7.3 Section 9.4	<p>9. On Page 9.4-14 (A106), in the third paragraph of Section 9.4.3.2.1, replace the sentence that reads, "Likewise, a Loss of Coolant Accident (LOCA)/Safety Injection (SI) signal from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake will cause a CVI signal in the refueling unit" with one that reads: "Likewise, a Containment Isolation Phase A (SI Signal) from the operating unit or high temperature in the Unit 1 or Unit 2 Auxiliary Building air intake, or manual ABI will cause a CVI signal in the refueling unit."</p> <p>10. On Page 9.4-14 (A106), at the end of the third paragraph of Section 9.4.3.2.1, insert the following sentence:</p> <p>"In the case where containment of both units is open to the Auxiliary Building spaces, a CVI in one unit will initiate a CVI in the other unit in order to maintain those spaces open in the ABSCE."</p>	2-107-20

ENCLOSURE 2

WBN Unit 2 FSAR A107 "Summary of Redacted Pages"

Chapter	Page(S)	Section No.	Figure No.	Basis For Redaction
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	2.4-171	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 2

WBN Unit 2 FSAR A107 "Summary of Redacted Pages"

Chapter	Page(S)	Section No.	Figure No.	Basis For Redaction
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	6.2.3-76	6.2.3	6.2.3-4	Security Related, 10CFR2.390(d)(1)
6	6.2.3-77	6.2.3	6.2.3-5	Security Related, 10CFR2.390(d)(1)
6	6.2.3-78	6.2.3	6.2.3-6	Security Related, 10CFR2.390(d)(1)
6	6.2.3-79	6.2.3	6.2.3-7	Security Related, 10CFR2.390(d)(1)
6	6.2.3-80	6.2.3	6.2.3-8	Security Related, 10CFR2.390(d)(1)
6	6.2.3-81	6.2.3	6.2.3-9	Security Related, 10CFR2.390(d)(1)
6	6.2.3-82	6.2.3	6.2.3-10	Security Related, 10CFR2.390(d)(1)
6	6.2.3-92	6.2.3	6.2.3-18	Security Related, 10CFR2.390(d)(1)
6	6.2.3-93	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	8.2-15	8.2	Text only	Security Related, 10CFR2.390(d)(1)
8	8.2-30	8.2	8.2-3	Security Related, 10CFR2.390(d)(1)

ENCLOSURE 2

WBN Unit 2 FSAR A107 “Summary of Redacted Pages”

Chapter	Page(S)	Section No.	Figure No.	Basis For Redaction
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	9.2-211	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	12.4-7	12.4	12.4-1	Security Related, 10CFR2.390(d)(1)

ENCLOSURE 3

**WBN Unit 2 FSAR A107
"List Of Files And File Sizes
On The Security-Related OSM (OSM #1)"**

ENCLOSURE 3
TVA Watts Bar Nuclear Plant Unit 2
FSAR Amendment 107 - List of Files on *Security-Related OSM*

File Name	File Size - Bytes
TVA_WBN-2_FSAR_Files	
001_TVA_WB_FSAR_TOC.pdf	362,572
002_TVA_WB_FSAR_LRP.pdf	96,042
003_TVA_WB_FSAR_Section_1.pdf	4,635,542
004_TVA_WB_FSAR_Section_2_A.pdf	19,858,137
005_TVA_WB_FSAR_Section_2_B_Part_1_of_2.pdf	44,601,668
005_TVA_WB_FSAR_Section_2_B_Part_2_of_2.pdf	48,554,635
006_TVA_WB_FSAR_Section_2_C.pdf	2,107,380
007_TVA_WB_FSAR_Section_2_D.pdf	31,323,879
008_TVA_WB_FSAR_Section_2_E.pdf	47,312,510
009_TVA_WB_FSAR_Section_3_A.pdf	2,615,960
010_TVA_WB_FSAR_Section_3_B.pdf	7,063,106
011_TVA_WB_FSAR_Section_3_C.pdf	30,016,143
012_TVA_WB_FSAR_Section_3_D.pdf	11,767,510
013_TVA_WB_FSAR_Section_4.pdf	10,705,611
014_TVA_WB_FSAR_Section_5.pdf	9,102,597
015_TVA_WB_FSAR_Section_6_A.pdf	26,013,132
016_TVA_WB_FSAR_Section_6_B.pdf	8,888,575
017_TVA_WB_FSAR_Section_7.pdf	13,164,544
018_TVA_WB_FSAR_Section_8.pdf	29,715,224
019_TVA_WB_FSAR_Section_9_A.pdf	24,519,654
020_TVA_WB_FSAR_Section_9_B.pdf	16,496,296
021_TVA_WB_FSAR_Section_10.pdf	14,151,934
022_TVA_WB_FSAR_Section_11.pdf	3,955,741
023_TVA_WB_FSAR_Section_12.pdf	5,988,686
024_TVA_WB_FSAR_Section_13.pdf	3,237,663
025_TVA_WB_FSAR_Section_14.pdf	1,171,728

ENCLOSURE 3
TVA Watts Bar Nuclear Plant Unit 2
FSAR Amendment 107 - List of Files on *Security-Related OSM*

File Name	File Size - Bytes
026_TVA_WB_FSAR_Section_15.pdf	46,568,432
027_TVA_WB_FSAR_Section_16.pdf	157,846
028_TVA_WB_FSAR_Section_17.pdf	156,419
Total	464,309,166
TVA_WBN-2_Oversized_FSAR_Figures	
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 3
TVA Watts Bar Nuclear Plant Unit 2
FSAR Amendment 107 - 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
Total	131,112,035
TVA_WBN-2_Oversized_FSAR_Table	
001_TVA_WB_FSAR_Table_6.2.4-1.pdf	1,215,574
Total	1,215,574

ENCLOSURE 4

**WBN Unit 2 FSAR A107
“List Of Files And File Sizes
On The Publicly Available OSM (OSM #2)”**

ENCLOSURE 4
TVA Watts Bar Nuclear Plant Unit 2
FSAR Amendment 107 List of Files on *Publicly Available OSM*

File Name	File Size - Bytes
TVA_WBN-2_FSAR_Files	
001_TVA_WB_FSAR_TOC.pdf	362,572
002_TVA_WB_FSAR_LRP.pdf	96,042
<i>003_TVA_WB_FSAR_Section_1.pdf</i>	828,975
<i>004_TVA_WB_FSAR_Section_2_A.pdf</i>	19,521,597
<i>005_TVA_WB_FSAR_Section_2_B_Part_1_of_2.pdf</i>	34,354,317
<i>005_TVA_WB_FSAR_Section_2_B_Part_2_of_2.pdf</i>	42,296,521
006_TVA_WB_FSAR_Section_2_C.pdf	2,107,380
007_TVA_WB_FSAR_Section_2_D.pdf	31,323,879
<i>008_TVA_WB_FSAR_Section_2_E.pdf</i>	45,933,137
<i>009_TVA_WB_FSAR_Section_3_A.pdf</i>	2,324,516
<i>010_TVA_WB_FSAR_Section_3_B.pdf</i>	5,661,348
<i>011_TVA_WB_FSAR_Section_3_C.pdf</i>	25,183,730
<i>012_TVA_WB_FSAR_Section_3_D.pdf</i>	11,498,936
013_TVA_WB_FSAR_Section_4.pdf	10,705,611
014_TVA_WB_FSAR_Section_5.pdf	9,102,597
<i>015_TVA_WB_FSAR_Section_6_A.pdf</i>	23,132,702
016_TVA_WB_FSAR_Section_6_B.pdf	8,888,575
017_TVA_WB_FSAR_Section_7.pdf	13,164,544
<i>018_TVA_WB_FSAR_Section_8.pdf</i>	26,754,844
<i>019_TVA_WB_FSAR_Section_9_A.pdf</i>	24,258,673
<i>020_TVA_WB_FSAR_Section_9_B.pdf</i>	15,281,767
021_TVA_WB_FSAR_Section_10.pdf	14,151,934
022_TVA_WB_FSAR_Section_11.pdf	3,955,741
<i>023_TVA_WB_FSAR_Section_12.pdf</i>	1,720,652
024_TVA_WB_FSAR_Section_13.pdf	3,237,663
025_TVA_WB_FSAR_Section_14.pdf	1,171,728

ENCLOSURE 4
TVA Watts Bar Nuclear Plant Unit 2
FSAR Amendment 107 List of Files on *Publicly Available OSM*

File Name	File Size - Bytes
026_TVA_WB_FSAR_Section_15.pdf	46,568,432
027_TVA_WB_FSAR_Section_16.pdf	157,846
028_TVA_WB_FSAR_Section_17.pdf	156,419
Total	423,902,678
TVA_WBN-2_Oversized_FSAR_Figures	
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 107 List of Files on *Publicly Available 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
Total	131,112,035
TVA_WBN-2_Oversized_FSAR_Table	
001_TVA_WB_FSAR_Table_6.2.4-1.pdf	1,215,574
Total	