



**Tennessee Valley Authority  
1101 Market Street  
Chattanooga, Tennessee 37402-2801**

10 CFR 52.80.

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

In the Matter of )  
Tennessee Valley Authority )

**Docket Numbers** 52-014 and 52-015

**BELLEFONTE (BLN) COMBINED LICENSE APPLICATION (COLA) – SUBMITTAL OF  
REVISION 1 TO PART 3, APPLICANT'S ENVIRONMENTAL REPORT – COMBINED  
LICENSE STAGE, AND PART 9, WITHHELD INFORMATION**

- References: 1. Letter from Mr. Ashok S. Bhatnagar (TVA) to Mr. R. William Borchardt, NRC, "Application for Combined License for Bellefonte Units 3 and 4," dated October 30, 2007 [ML073110527]
2. Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application – Standardization Errata Report Revision 4," dated October 3, 2008

This letter provides Revision 1 to Part 3, Applicant's Environmental Report – Combined License Stage (ER), and Part 9, Withheld Information, of the COLA for the two AP1000 advanced passive pressurized water reactors identified as BLN Units 3 and 4. The two revised BLN COLA Parts are provided in their entirety on the DVD enclosed with this letter.

**Revision 1 incorporates the following changes:**

- ER changes that were provided in TVA correspondence in response to NRC comments, information needs, and requests for additional information.
- ER changes that were identified as errata to the non-standard information in Part 3 of the BLN COLA.
- ER changes that were submitted to the NRC staff in other TVA correspondence that addressed self-identified corrections, clarifications, and/or enhancements to Part 3 of the BLN COLA.

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October 10, 2008

- Withheld information in COLA Part 9 that is either directly or indirectly affected by the changes to COLA Part 3. "Directly affected withheld information" refers to information that has been altered, thereby necessitating redaction of sensitive information on that page and the development of a non-public version of the page for inclusion in Part 9. "Indirectly withheld information" refers to information that is only included in Revision 1 in order to submit Part 9, Revision 1, in its entirety.

Revision 1 to COLA Parts 3 and 9 supports the NRC staff's ongoing review. Red-lined/strike-out mark-ups of each of the changes that are incorporated in this revision have been provided to the NRC in previously submitted TVA correspondence. Tables 1 and 2 in Enclosure 2 to this letter identify the initiator of each change (e.g., request for additional information, NRC Information Need, errata) and provide the reference to the TVA correspondence under which the change was previously provided to the NRC. These tables are provided to facilitate the staff's use of the new revision to these two COLA parts.

COLA Parts 3 and 9, Revision 1, are provided in electronic file format in Enclosure 3. Enclosure 3 is a DVD containing Submission #3, and includes COLA Part 9, with sensitive information that TVA requests be withheld in accordance with 10 CFR 2.390. Appropriate pre-submission checks have been successfully performed on the files to ensure compliance with the guidelines provided on the NRC website and they have been found acceptable for electronic submittal. The DVD also includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing.

If you should have any questions, please contact Andrea Sterdis at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7119, or via email at [alsterdis@tva.gov](mailto:alsterdis@tva.gov).

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 10<sup>th</sup> day of October, 2008.



Ashok S. Bhatnagar  
Senior Vice President  
Nuclear Generation Development and Construction

- Enclosure:
1. Affidavit
  2. List of TVA Environmental Report Letters and Associated COLA Changes
  3. One DVD labeled, "Combined License (COL) Application - Bellefonte Units 3 and 4; Part 3, Environmental Report; Part 9, Withheld Information; **Part 9 Contains Sensitive Information (Withhold under 10 CFR 2.390); SUBMISSION #3; REVISION 1, OCTOBER 2008**" Non-Public Version

Document Control Desk

Page 3

October 10, 2008

cc (Enclosures):

M. A. Hood, NRC/HQ

J. M. Sebrosky, NRC/HQ

cc (w/o Enclosures):

S. P. Frantz, Morgan Lewis

M. W. Gettler, FP&L

R. C. Grumbir, NuStart

P. S. Hastings, NuStart

P. Hinnenkamp, Entergy

R. H. Kitchen, PGN

M. C. Kray, NuStart

A. M. Monroe, SCE&G

C. R. Pierce, SNC

L. Reyes, NRC/RII

R. F. Smith-Kevern, DOE/HQ

G. A. Zinke, NuStart

Enclosure 1

In the Matter of )  
 )  
Tennessee Valley Authority )  
Bellefonte Nuclear Plant, )  
Units 3 and 4 )  
Combined License Application )  
 )  
 )

**AFFIDAVIT**

STATE OF TENNESSEE )  
 )  
COUNTY OF KNOX )

Andrea L. Sterdis, after first being duly sworn, deposes and says:

1. I am employed as the Manager, New Nuclear Licensing and Industry Affairs in Nuclear Generation Development and Construction at the Tennessee Valley Authority (TVA), an agency and instrumentality of the United States Government. I am familiar with the Combined License Application for TVA's Bellefonte Nuclear Plant, Units 3 and 4 ("Combined License Application") and have personal knowledge of the matters stated herein.

2. I am submitting this affidavit in accordance with 10 CFR § 2.390 and 10 CFR § 9.17, and because certain information contained in Enclosure 3 to this letter has been determined by TVA to be of the type customarily held in strict confidence by the agency and is protected from disclosure under the Freedom of Information Act (FOIA), 5 U.S.C. § 552(B), TVA's implementing FOIA regulations, 18 CFR § 1301, and the Trade Secrets Act, 18 U.S.C. §1905.

3. The information that should not be released to the public has been collected and organized into Enclosure 3 of this letter (Part 9 in the DVD labeled Submission #3).

4. The combined License Application Part 1, Section 1.3, contains TVA's Financial Qualifications Information, which is considered confidential and sensitive business information. Disclosure of this information would place TVA at a distinct disadvantage in conducting business as competitors could then seek to analyze the data to identify strengths and weaknesses and then seek to capitalize on those perceived strengths and weaknesses. As such, this information is protectable under 10 CFR § 2.390(a)(4) and (5), as well as Exemptions 4 and 5 of the FOIA and the Trade Secrets Act.

5. Figures 8.2-4a, 8.2-14, 8.2-15, 8.2-16, 8.2-17, and 8.2-18 from the Combined License Application Part 3 represent actual and projected electricity use by various categories and are exempt from disclosure under 10 CFR § 2.390(a)(4) and (5). The release of this information would allow TVA's competitors to assess TVA's current and forecasted loads permitting competitors to strategically plan activities designed to undercut TVA pricing and availability.

6. The entire text of Section 8.3 of the Combined License Application Part 3, including Tables 8.3-1, 8.3-2, 8.3-3, 8.3-4, and 8.3-5, as well as Figures 8.3-1, 8.3-2 and 8.3-3, should be withheld from public disclosure under 10 CFR § 2.390(a)(4) and (5), as this section's figures and tables detail TVA's power supply capacity and project TVA's ability to generate electricity. As such, the disclosure of this information would reveal processes, methods or apparatus, including supporting data and analyses that would give TVA's competitors the benefit of TVA's research and development without adequate compensation, thereby giving those competitors an unfair advantage.

7. Figures 8.4-1, 8.4-2, 8.4-3, 8.4-4, 8.4-5, 8.4-6, 8.4-7, and 8.4-8, as well as the information provided in Appendix 8A (Tables 8A-1 and 8A-2) of the Combined License Application Part 3, should be withheld from public disclosure under 10 CFR § 2.390(a)(4) and (5). The information contained therein consists of projections and is speculative and deliberative material. The disclosure of this information would permit competitors to review TVA's assessments of predicted market circumstances and planned responses. Possession of this knowledge would allow competitors to manipulate their market position and decision-making while taking TVA's strategy into account. This would place TVA at an unfair disadvantage in competing for market share at a competitive price. Much of this information contains detailed information about the results of analytical models, methods and processes, including computer codes, which TVA or its contractors have developed.

8. All of the information sought to be withheld ("the information") is being submitted to the NRC in confidence.

9. The information is the sort of information regularly and customarily held in confidence by TVA and is, in fact, so held.

10. The information has consistently been held in confidence by TVA.

11. No public disclosure of the information has been made.

12. The information is not available in public sources.

13. All disclosures of the information to third parties, including any transmittals to the NRC, have been made pursuant to regulatory provisions or proprietary agreements which provide that the information is to be maintained in confidence.



Andrea L. Sterdis  
Manager, New Nuclear Licensing and Industry  
Affairs  
Nuclear Generation Development and  
Construction  
Tennessee Valley Authority  
423-751-7119

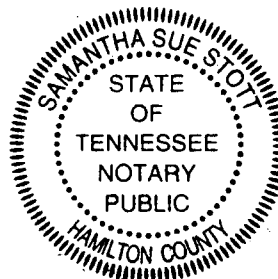
Sworn to and subscribed before me

this 10 th day of October, 2008.



Notary Public

My commission expires: April 21, 2010



ENCLOSURE 2  
LIST OF TVA ENVIRONMENTAL REPORT LETTERS  
AND ASSOCIATED COLA CHANGES

**List of  
TVA Environmental Report Letters  
and  
Associated COLA Changes**

TVA Letter Dated: October 10, 2008

## List of TVA Environmental Report Letters and Associated COLA Changes

This enclosure identifies the pages that are revised by Revision 1 to the Bellefonte Units 3 and 4 (BLN) Applicant's Environmental Report – Combined License Stage (ER) and provides the reference to the change initiators (e.g., Requests for Additional Information (RAIs), NRC Information Needs, errata) and the TVA letters that provided these changes to the U.S. Nuclear Regulatory Commission (NRC) staff.

Each of the changes to text, tables, or figures in this revision was previously presented via TVA correspondence to the NRC staff. Each of these identified changes were incorporated into ER Revision 1, and annotated by revision bars in the margin of affected ER pages, adjacent to the changed text. Table 1 identifies the ER Section, Table, or Figure affected by each change, as well as the location (page or figure) of each change, in both Revision 0 (prior to the change) and Revision 1 (after incorporation of the change). In addition, Table 1 identifies the TVA letter that transmitted the change, as marked-up text, to the NRC staff and the change initiator. Table 2 provides the link between TVA's internal letter numbers (identified as ER LTR Nos.) and the correspondence references.

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

ER REV. 1 PAGE NUMBER <sup>a</sup>	ER REV. 0 PAGE NUMBER <sup>b</sup>	ER SECTION, TABLE OR FIGURE	ER LTR NO. <sup>c</sup>	CHANGE REFERENCE NUMBER <sup>d</sup>
<b>Cover Page, Master Table of Contents, Units of Measure Abbreviations, Acronyms</b>				
Cover Page	Cover Page	Cover Page	Errata Rev 0	AP-STD-0030
xii	xii	Acronyms	39	BLN-0037
xxi	xxi	Acronyms	39	BLN-0038
<b>Chapter 1, Introduction to the Environmental Report</b>				
1.1-2	1.1-2	Section 1.1	40	Units 1 & 2
1.1-2	1.1-2	Section 1.1	39	BLN-0040
1.1-5	1.1-5	Table 1.1-2	05	LU-10
<b>Chapter 2, Environmental Description</b>				
2-xix	2-xix	Section 2.0	39	BLN-0041
2.2-2	2.2-2	Subsection 2.2.1.2	39	BLN-0042
2.3-6	2.3-6	Subsection 2.3.1.2.2 (1st through 3rd ¶)	22	RAIs 5.3-2 & 5.3-3(1)
2.3-7	2.3-7	Subsection 2.3.1.2.2 (last ¶)	22	RAIs 5.3-2 & 5.3-3(1)
2.3-8	2.3-8	Subsection 2.3.1.2.3	21	RAI 5.3-3(4)
2.3-8	2.3-8	Subsection 2.3.1.2.3	22	RAIs 5.3-2 & 5.3-3(1)
2.3-15	2.3-14	Subsection 2.3.1.3	08	H-16F

TVA Letter Dated: October 10, 2008

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2.3-15	2.3-14	Subsection 2.3.1.3	20	RAI 2.3.1-1
2.3-20	2.3-19	Subsection 2.3.1.3.6	08	H-16G
2.3-24	2.3-23	Subsection 2.3.1.5.3	39	BLN-0047
2.3-26	2.3-24 -- 2.3-25	Subsection 2.3.1.5.4	08	H-06
2.3-29	2.3-28	Subsection 2.3.1.5.5	08	H-05
2.3-29	2.3-28	Subsection 2.3.1.5.6	20	RAI 2.3-2
2.3-30	2.3-29	Subsection 2.3.1.5.6	01	ER31
2.3-30	2.3-29	Subsection 2.3.1.5.6	39	BLN-0048
2.3-33	2.3-32	Subsection 2.3.2.2	01	ER35
2.3-34	2.3-33	Subsection 2.3.2.2.2	01	ER35
2.3-34	2.3-32	Subsection 2.3.2.2	39	BLN-0049
2.3-35	2.3-33	Subsection 2.3.2.2.3	20	RAI 2.3-5
2.3-37	2.3-35	Subsection 2.3.2.4	39	BLN-0050
2.3-37	2.3-35	Subsection 2.3.2.4	08	H-11
2.3-49	2.3-46	Subsection 2.3.3.3.2	08	H-15
2.3-55	2.3-56	Subsection 2.3.4	08	H-16G
2.3-73	2.3-71	Table 2.3-10	22	RAIs 5.3-2 & 5.3-3(1)
2.3-79	2.3-77	Table 2.3-15	22	RAIs 5.3-2 & 5.3-3(1)
2.3-83 through 2.3-85	2.3-83	Table 2.3-18	39	BLN-0045
2.3-94 and 2.3- 95	2.3-92 and 2.3- 93	Table 2.3-22	39	BLN-0046
2.3-104	2.3-102	Table 2.3-29	20	RAI 2.3-5
2.3-106	2.3-104	Table 2.3-31	20	RAI 2.3-5
2.3-110	2.3-106	Table 2.3-32	22	RAIs 5.3-2 & 5.3-3(1)
2.3-149	n/a	Table 2.3-X1	22	RAIs 5.3-2 & 5.3-3(1)
2.3-151	n/a	Table 2.3-X2	22	RAIs 5.3-2 & 5.3-3(1)
2.3-154	n/a	Table 2.3-X3	22	RAIs 5.3-2 & 5.3-3(1)
F 2.3-5	F 2.3-5	Figure 2.3-5	22	RAIs 5.3-2 & 5.3-3(1)
F 2.3-6	F 2.3-6	Figure 2.3-6	22	RAIs 5.3-2 & 5.3-3(1)



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F 2.3-23 (Sh 1)	F 2.3-23 (Sh 1)	Figure 2.3-23 (Sh. 1 of 4)	<b>20</b>	RAI 2.3-1
F 2.3-23 (Sh 2)	F 2.3-23 (Sh 2)	Figure 2.3-23 (Sh. 2 of 4)	<b>20</b>	RAI 2.3-1
F 2.3-25	F 2.3-25	Figure 2.3-25	<b>39</b>	BLN-0044
F 2.3-X1	n/a	Section 2.3	<b>01</b>	ER35
F 2.3-X1	n/a	Section 2.3	<b>39</b>	BLN-0043
2.4-3	2.4-3	Subsection 2.4.1.1.1	<b>19</b>	TE-05
2.4-4	2.4-4	Subsection 2.4.1.1.2	<b>19</b>	TE-03
2.4-5	2.4-5	Subsection 2.4.1.2.1	<b>19</b>	TE-06 & TE-07
2.4-9	2.4-8	Subsection 2.4.1.3	<b>24</b>	RAI 2.4.1-2
2.4-10 and 2.4-11	2.4-8 -- 2.4-9	Subsection 2.4.1.4.1	<b>19</b>	TE-08
2.4-11 and 2.4-12	2.4-9	Subsection 2.4.1.4.1	<b>19</b>	TE-12
2.4-17	2.4-14	Subsection 2.4.1.4.6	<b>24</b>	RAI 2.4.1-4
2.4-17	2.4-14	Subsection 2.4.1.4.7	<b>24</b>	RAI 2.4.1-5
2.4-17 and 2.4-18	2.4-15	Subsection 2.4.2.1	<b>01</b>	ER47
2.4-18	2.4-15	Subsection 2.4.2.1.1	<b>01</b>	ER49
2.4-19	2.4-16	Subsection 2.4.2.1.3	<b>01</b>	ER51
2.4-22	2.4-18	Subsection 2.4.2.4	<b>01</b>	ER50 & ER52
2.4-22	2.4-18 -- 2.4-19	Subsection 2.4.2.4	<b>01</b>	ER50 & ER52
2.4-28	2.4-24	Subsection 2.4.2.5	<b>25</b>	RAI 2.4.2-1
2.4-26	2.4-22	Subsection 2.4.2.5.2	<b>39</b>	BLN-0051
2.4-26 and 2.4-27	2.4-23	Subsection 2.4.2.5.3	<b>06</b>	AQ-01, AQ-13
2.4-33	2.4-28	Subsection 2.4.3	<b>25</b>	RAI 2.4.2-1
2.4-33	2.4-28	Subsection 2.4.3	<b>01</b>	ER51
2.4-45	n/a	Table 2.4-X1	<b>01</b>	ER47
2.4-46	n/a	Table 2.4-X2	<b>01</b>	ER49
2.4-47	n/a	Table 2.4-X3	<b>01</b>	ER49
2.4-48	n/a	Table 2.4-X4	<b>01</b>	ER49
2.4-49	n/a	Table 2.4-X5	<b>01</b>	ER50 & ER52
2.4-51	n/a	Table 2.4-X6	<b>01</b>	ER50 & ER52
2.4-53	n/a	Table 2.4-X7	<b>06</b>	AQ-01, AQ-13
2.5-4	2.5-4	Subsection 2.5.1.2.1	<b>09</b>	SE-30
2.5-5	2.5-5	Subsection 2.5.1.3	<b>09</b>	SE-05
2.5-8	2.5-7	Subsection 2.5.2.1	<b>09</b>	SE-09 & SE-31
2.5-9	2.5-9	Subsection 2.5.2.2.3	<b>09</b>	SE-24 & SE-26

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2.5-11 and 2.5-12	2.5-11	Subsection 2.5.2.3	<b>27</b>	RAIs 2.5.2-5, 4.4.2-4 & 5.8.2-2
2.5-13	2.5-12	Subsection 2.5.2.3.1	<b>09</b>	SE-16
2.5-13	2.5-12	Subsection 2.5.2.3.1	<b>26</b>	RAI 2.5.2-6
2.5-14	2.5-12	Subsection 2.5.2.4	<b>09</b>	SE-16
2.5-16	2.5-14	Subsection 2.5.2.6	<b>09</b>	SE-18
2.5-17	2.5-15	Subsection 2.5.2.7.1	<b>39</b>	BLN-0053
2.5-17 and 2.5-18	2.5-16	Subsection 2.5.2.7.2	<b>09</b>	SE-09 & SE-31
2.5-17 and 2.5-18	2.5-16	Subsection 2.5.2.7.2	<b>09</b>	SE-19 & SE-35
2.5-19 and 2.5-20	2.5-17	Subsection 2.5.2.8.2	<b>09</b>	SE-21
2.5-20 and 2.5-21	2.5-17	Subsection 2.5.2.8.3	<b>09</b>	SE-22
2.5-21 through 2.5-32	2.5-17 -- 2.5-25	Subsection 2.5.3	<b>29</b>	RAI 2.5.3-2
2.5-25	2.5-21	Subsection 2.5.3.2	<b>39</b>	BLN-0054
2.5-25	2.5-21	Subsection 2.5.3.2	<b>01</b>	ER10
2.5-26	2.5-22	Subsection 2.5.3.3	<b>01</b>	ER09
2.5-35	2.5-29	Subsection 2.5.2	<b>40</b>	Units 1 & 2
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>39</b>	BLN-0055
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>09</b>	SE-09 & SE-31
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>09</b>	SE-16
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>09</b>	SE-21
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>09</b>	SE-22
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>29</b>	RAI 2.5.3-2
2.5-46 through 2.5-48	2.5-40	Subsection 2.5.6	<b>01</b>	ER09
2.5-49	2.5-41	Table 2.5.1	<b>26</b>	RAI 2.5.2-2
2.5-82	2.5-74	Table 2.5-19	<b>29</b>	RAI 2.5.3-2
2.5-88	2.5-80	Table 2.5-20	<b>29</b>	RAI 2.5.3-2
F 2.5-7	F 2.5-7	Figure 2.5-7	<b>39</b>	BLN-0044

TVA Letter Dated: October 10, 2008

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F 2.5-8	F 2.5-8	Figure 2.5-8	<b>39</b>	BLN-0052
2.7-2	2.7-2	Subsection 2.7.1.1	<b>39</b>	BLN-0058
2.7-7	2.7-7	Subsection 2.7.1.3	<b>39</b>	BLN-0059
2.7-7	2.7-7	Subsection 2.7.1.3	<b>39</b>	BLN-0060
2.7-7	2.7-7	Subsection 2.7.1.3	<b>05</b>	MET-03
2.7-13 through 2.7-14	2.7-13	Subsection 2.7.2.1.3	<b>01</b>	ER37
2.7-21	2.7-20 -- 2.7-21	Subsection 2.7.4-1	<b>38</b>	RAI 5.4.1-1
2.7-178	2.7-178	Table 2.7-117	<b>39</b>	BLN-0056
2.7-180	2.7-180	Table 2.7-119	<b>30</b>	RAI 2.7.4.2-1
2.7-181 through 2.7-183	2.7-181 -- 2.7- 182	Table 2.7-120	<b>38</b>	RAI 5.4.1-1
2.7-184 through 2.7-186	2.7-183	Table 2.7-121	<b>38</b>	RAI 5.4.1-1
2.7-187 through 2.7-189	2.7-184 -- 2.7- 189	Table 2.7-122	<b>38</b>	RAI 5.4.1-1
2.7-190 through 2.7-192	2.7-190 -- 2.7- 191	Table 2.7-123	<b>38</b>	RAI 5.4.1-1
2.7-193 through 2.7-195	2.7-192 -- 2.7- 193	Table 2.7-124	<b>38</b>	RAI 5.4.1-1
2.7-196 through 2.7-199	2.7-194 -- 2.7- 195	Table 2.7-125	<b>38</b>	RAI 5.4.1-1
2.7-200	2.7-196	Table 2.7-126	<b>39</b>	BLN-0057
<b>Chapter 3. Plant Description</b>				
3.3-3	3.3-3	Subsection 3.3.1.5	<b>39</b>	BLN-0061
3.4-2	3.4-2	Subsection 3.4.1.1	<b>39</b>	BLN-0062
3.4-5	3.4-5	Subsection 3.4.2.1	<b>20</b>	RAI 5.3-1
3.4-6	3.4-6	Subsection 3.4.2.2	<b>21</b>	RAI 5.3-4
3.4-7	3.4-7	Subsection 3.4.2.3	<b>39</b>	BLN-0063
3.4-8	3.4-8	Table 3.4-1	<b>08</b>	H-20
3.4-9	3.4-9	Table 3.4-2	<b>08</b>	H-20
3.6-4	3.6-4	Subsection 3.6.2	<b>20</b>	RAI 3.6-1
3.6-6 through 3.6-7	3.6-6 -- 3.6-7	Subsection 3.6.3.3	<b>20</b>	RAI 3.6-2
3.6-7	3.6-7	Subsection 3.6.4	<b>20</b>	RAI 3.6-1
3.6-8	3.6-8	Table 3.6-1	<b>20</b>	RAI 3.3-1

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

ER REV. 1 PAGE NUMBER <sup>a</sup>	ER REV. 0 PAGE NUMBER <sup>b</sup>	ER SECTION, TABLE OR FIGURE	ER LTR NO. <sup>c</sup>	CHANGE REFERENCE NUMBER <sup>d</sup>
F 3.7-1	F 3.7-1	Figure 3.7-1	39	BLN-0064
3.8-1 through 3.8-25	3.8-1 -- 3.8-3	Section 3.8	07	T-01
3.8-21	n/a	Table 3.8-8	39	BLN-0065
<b>Chapter 4, Environmental Impacts of Construction</b>				
F 4.4-2	F 4.4-2	Figure 4.4-2	09	SE-09 & SE-31
4.8-1	n/a	Section 4.8	39	BLN-0073
4.1-1	4.1-1	Subsection 4.1.1.1	05	LU-10
4.1-2	4.1-2	Subsection 4.1.1.1	09	SE-24 & SE-26
4.1-6	4.1-6	Subsection 4.1.3.1.1	01	ER10
4.1-6 through 4.1-9	4.1-6 -- 4.1-9	Subsection 4.1.3	29	RAI 2.5.3-2
4.1-9	4.1-9	Subsection 4.1.3.3	01	ER12
4.1-9	4.1-9	Subsection 4.1.4	01	ER10
4.1-9	4.1-9	Subsection 4.1.4	01	ER12
4.1-10	4.1-9	Subsection 4.1.4	29	RAI 2.5.3-2
4.2-2	4.2-2	Subsection 4.2.1	01	ER59
4.2-1 and 4.2-2	4.2-1 -- 4.2-2	Subsection 4.2.1.1	01	ER04, 11, 43, 44, 45
4.2-7	4.2-7	Subsection 4.2.1.10	05	LU-10
4.2-4	4.2-3	Subsection 4.2.1.2	01	ER04, 11, 43, 44, 45
4.2-4	4.2-3	Subsection 4.2.1.2	01	ER04, 11, 43, 44, 45
4.2-4	4.2-4	Subsection 4.2.1.3	09	SE-09 & SE-31
4.2-5	4.2-4	Subsection 4.2.1.4	01	ER04, 11, 43, 44, 45
4.2-4	4.2-4	Subsection 4.2.1.4	05	LU-10
4.2-5	4.2-4	Subsection 4.2.1.4	20	RAI 5.2-3
4.2-6	4.2-6	Subsection 4.2.1.6	39	BLN-0066
4.2-7	4.2-6	Subsection 4.2.1.8	01	ER04, 11, 43, 44, 45
4.2-7	4.2-6	Subsection 4.2.1.8	08	H27 & H32
4.2-8	4.2-7	Subsection 4.2.1.10	5	LU-10
4.2-10	4.2-10	Subsection 4.2.2.7	01	ER04, 11, 43, 44, 45
4.3-1	4.3-1	Section 4.3	05	LU-10

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
4.3-1	4.3-1	Section 4.3	<b>24</b>	RAI 4.3.1-1
4.3-1	4.3-1	Subsection 4.3.1.1	<b>01</b>	ER41
4.3-3	4.3-3	Subsection 4.3.1.2	<b>39</b>	BLN-0126
4.3-6	4.3-6	Subsection 4.3.2	<b>40</b>	Units 1 & 2
4.3-7	4.3-7	Subsection 4.3.2	<b>39</b>	BLN-0067
4.3-7	4.3-7	Subsection 4.3.2.1	<b>01</b>	ER04, 11, 43, 44, 45
4.3-8	4.3-8	Subsection 4.3.2.5	<b>01</b>	ER04, 11, 43, 44, 45
4.3-9	4.3-9	Subsection 4.3.2.6	<b>39</b>	BLN-0068
4.4-1	4.4-1	Subsection 4.4.1.1	<b>09</b>	SE-09 & SE-31
4.4-2 and 4.4-3	4.4-2 -- 4.4-3	Subsection 4.4.1.3	<b>09</b>	SE-24 & SE-26
4.4-4	4.4-3	Subsection 4.4.1.4	<b>39</b>	BLN-0069
4.4-4	4.4-3	Subsection 4.4.1.4	<b>09</b>	SE-25
4.4-5	4.4-5	Subsection 4.4.1.5	<b>09</b>	SE-24 & SE-26
4.4-6	4.4-5	Subsection 4.4.1.5	<b>09</b>	SE-27
4.4-7	4.4-6	Subsection 4.4.1.5.2	<b>09</b>	SE-28
4.4-7	4.4-6	Subsection 4.4.1.6	<b>39</b>	BLN-0070
4.4-8	4.4-7	Subsection 4.4.1.6	<b>39</b>	BLN-0126
4.4-9	4.4-8	Subsection 4.4.2.1	<b>09</b>	SE-09 & SE-31
4.4-10	4.4-8 -- 4.4-9	Subsection 4.4.2.2	<b>09</b>	SE-32
4.4-10	4.4-8 -- 4.4-9	Subsection 4.4.2.2	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
4.4-10 through 4.4-11	4.4-9	Subsection 4.4.2.2	<b>01</b>	ER36, 63 & 65
4.4-11 through 4.4-12	4.4-9	Subsection 4.4.2.2.1	<b>01</b>	ER36, 63 & 65
4.4-12 through 4.4-13	4.4-9	Subsection 4.4.2.2.1	<b>27</b>	RAIs 2.5.2-5, 4.4.2- 4 & 5.8.2-2
4.4-14	4.4-10	Subsection 4.4.2.3	<b>09</b>	SE-09 & SE-31
4.4-14	4.4-10	Subsection 4.4.2.3	<b>27</b>	RAI 2.5.2-8
4.4-15	4.4-11	Subsection 4.4.2.4	<b>09</b>	SE-09 & SE-31
4.4-15	4.4-11	Subsection 4.4.2.4	<b>26</b>	RAI 4.4.2-5
4.4-17	4.4-12	Subsection 4.4.2.5	<b>39</b>	BLN-0071
4.4-16 through 4.4-17	4.4-11 -- 4.4-12	Subsection 4.4.2.5	<b>27</b>	RAIs 4.4.2-7 & 4.4.2-8
4.4-17	4.4-12	Subsection 4.4.2.6	<b>26</b>	RAI 4.4.2-9

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
4.4-19 and 4.4-20	4.4-13	Subsection 4.4.3.2	<b>09</b>	SE-28
4.4-21	4.4-15	Subsection 4.4.4	<b>39</b>	BLN-0072
4.4-21	4.4-15	Subsection 4.4.4	<b>39</b>	BLN-0126
4.4-22	4.4-16	Subsection 4.4.4	<b>01</b>	ER36, 63 & 65
4.4-22	4.4-16	Subsection 4.4.4	<b>09</b>	SE-09 & SE-31
4.4-22	4.4-16	Subsection 4.4.4	<b>09</b>	SE-25
4.4-22	4.4-16	Subsection 4.4.4	<b>27</b>	RAIs 2.5.2-5, 4.4.2-4 & 5.8.2-2
4.4-22	4.4-16	Subsection 4.4.4	<b>27</b>	RAIs 4.4.2-7 & 4.4.2-8
4.4-24	4.4-18	Table 4.4-2	<b>26</b>	RAI 4.4.2-5
4.4-25	n/a	Table 4.4-X1	<b>09</b>	SE-09 & SE-31
4.5-1	4.5-1	Subsection 4.5.3	<b>39</b>	BLN-0126
4.6-1	4.6-1	Section 4.6	<b>36</b>	RAI 10 CFR 51.45c
4.6-5	4.6-7	Table 4.6-1 (Subsection 4.2.1)	<b>01</b>	ER04, 11, 43, 44, 45
4.6-6	4.6-9	Table 4.6-1 (Subsection 4.2.3)	<b>01</b>	ER04, 11, 43, 44, 45
4.6-6	4.6-9	Table 4.6-1 (Subsection 4.2.3)	<b>01</b>	ER04, 11, 43, 44, 45
4.6-3 through 4.6-11	4.6-3 -- 4.6-17	Table 4.6-1	<b>36</b>	RAI 10 CFR 51.45c
4.7-1 through 4.7-3	n/a	Section 4.7	<b>36</b>	RAI 10 CFR 51.45c
4.8-1 through 4.8-2	n/a	Section 4.8	<b>36</b>	RAI 10 CFR 51.45c
4.8-3 through 4.8-6	n/a	Table 4.8-1	<b>36</b>	RAI 10 CFR 51.45c
<b>Chapter 5, Environmental Impacts of Station Operation</b>				
5.1-2 through 5.1-6	5.1-2 -- 5.1-5	Subsection 5.1.3	<b>29</b>	RAI 2.5.3-2
5.1-6	5.1-5	Subsection 5.1.4	<b>29</b>	RAI 2.5.3-2
5.2-2	5.2-2	Subsection 5.2.1.2	<b>22</b>	RAIs 5.3-2 & 5.3-3(1)
5.2-3	5.2-3	Subsection 5.2.1.6	<b>01</b>	ER04, 11, 43, 44 & 45
5.2-3	5.2-3	Subsection 5.2.1.6	<b>20</b>	RAI 5.2-3

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
5.2-4	5.2-4	Subsection 5.2.1.7	22	RAIs 5.3-2 & 5.3-3(1)
5.2-6	5.2-6	Subsection 5.2.2.1.1	01	ER61
5.2-6	5.2-5	Subsection 5.2.2.1.1	22	RAIs 5.3-2 & 5.3-3(1)
5.2-6	5.2-6	Subsection 5.2.2.1.2	39	BLN-0074
5.2-7	5.2-7	Subsection 5.2.2.2.1	22	RAIs 5.3-2 & 5.3-3(1)
5.2-8	5.2-8	Subsection 5.2.2.2.2	21	RAI 5.2-4
5.2-8	5.2-8	Subsection 5.2.2.2.2	22	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.2-8	5.2-8	Subsection 5.2.2.2.2	22	RAIs 5.3-2 & 5.3-3(1)
5.2-10	5.2-9	Subsection 5.2.2.5	39	BLN-0075
5.2-10	5.2-10	Subsection 5.2.2.8	08	H45B
5.2-10	5.2-10	Subsection 5.2.2.8	22	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.2-12	5.2-11	Subsection 5.2.2.9	21	5.3-3(4)
5.2-12	5.2-11	Subsection 5.2.2.9	22	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.2-14	5.2-14	Table 5.2-1	22	RAIs 5.3-2 & 5.3-3(1)
5.2-15	n/a	Table 5.2-X1	21	RAI 5.2-4
5.2-26	n/a	Table 5.2-X2	21	RAI 5.2-4
F 5.2-X1	n/a	Figure 5.2-X1	21	RAI 5.2-4
5.3-2	5.3-2	Subsection 5.3.1.1.1	20	RAI 5.3-1
5.3-2	5.3-2	Subsection 5.3.1.1.1	22	RAIs 5.3-2 & 5.3-3(1)
5.3-3	5.3-3	Subsection 5.3.1.1.2	01	ER04, 11, 43, 44, 45
5.3-4	5.3-4	Subsection 5.3.1.2.1	01	ER53
5.3-4 and 5.3-5	5.3-4 – 5.3-5	Subsection 5.3.1.2.1	01	ER54 & 55
5.3-4	5.3-3	Subsection 5.3.1.2.1	22	RAIs 5.3-2 & 5.3-3(1)
5.3-4	5.3-4	Subsection 5.3.1.2.1	24	RAIs 5.3.1.2-2
5.3-3	5.3-3	Subsection 5.3.1.1.2	39	BLN-0077

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
5.3-8	5.3-7	Subsection 5.3.2.1	<b>39</b>	BLN-0078
5.3-6	5.3-5	Subsection 5.3.2.1 (1 <sup>st</sup> ¶)	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.3-7	5.3-6	Subsection 5.3.2.1 (4 <sup>th</sup> ¶)	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.3-7 and 5.3-8	5.3-6	Subsection 5.3.2.1 (6 <sup>th</sup> & 7 <sup>th</sup> ¶)	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.3-9	5.3-8	Subsection 5.3.2.2	<b>01</b>	ER56
5.3-12	5.3-10	Subsection 5.3.3.1	<b>39</b>	BLN-0079
5.3-13	5.3-12	Subsection 5.3.3.1.3	<b>39</b>	BLN-0126
5.3-16	5.3-15	Subsection 5.3.4.1	<b>39</b>	BLN-0080
5.3-18	5.3-18	Subsection 5.3.5	<b>24</b>	RAI 5.3.1.2-2
5.3-20	5.3-19	Table 5.3-1	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.3-21	5.3-20	Table 5.3-2	<b>22</b>	RAIs 5.2-5, 5.3-3, 5.3-3(3), 5.3-5, 5.3-8
5.3-24	5.3-21	Table 5.3-3	<b>39</b>	BLN-0076
5.3-31	n/a	Table 5.3-X	<b>01</b>	ER54 & 55
F 5.3-3	F 5.3-3	Figure 5.3-3	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
F 5.3-4	F 5.3-4	Figure 5.3-4	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
F 5.3-5	F 5.3-5	Figure 5.3-5	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
n/a	F 5.3-6 – 5.3-11	Figure 5.3-6 through Figure 5.3-11	<b>22</b>	RAIs 5.2-5, 5.3-3(2), 5.3-3(3), 5.3-5, 5.3-8
5.4-1	5.4-1	Section 5.4	<b>39</b>	BLN-0081
5.4-1	5.4-1	Section 5.4	<b>01</b>	ER28
5.4-2	5.4-1	Subsection 5.4.1	<b>01</b>	ER25
5.4-3	5.4-3	Subsection 5.4.2.1	<b>01</b>	ER27



TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
5.4-4	5.4-2	Subsection 5.4.2.2	<b>39</b>	BLN-0126
5.4-6	5.4-5	Subsection 5.4.3.3	<b>39</b>	BLN-0085
5.4-6	5.4-6	Subsection 5.4.3.4	<b>30</b>	RAI 5.4.3-1
5.4-8 through 5.4-9	5.4-7	Subsection 5.4.4.3	<b>39</b>	BLN-0126
5.4-9	5.4-8	Subsection 5.4.5	<b>39</b>	BLN-0086
5.4-10	5.4-9	Table 5.4-1	<b>39</b>	BLN-0082
5.4-10	5.4-9	Table 5.4-1	<b>01</b>	ER24
5.4-12	5.4-11	Table 5.4-3	<b>38</b>	RAI 5.4.1-1
5.4-13	5.4-12	Table 5.4-4	<b>38</b>	RAI 5.4.1-1
5.4-14	5.4-13	Table 5.4-5	<b>38</b>	RAI 5.4.1-1
5.4-15	5.4-14	Table 5.4-6	<b>38</b>	RAI 5.4.1-1
5.4-15	5.4-14	Table 5.4-6	<b>39</b>	BLN-0084
5.4-19 and 5.4-20	5.4-18 – 5.4-19	Table 5.4-10	<b>38</b>	RAI 5.4.1-1
5.4-21	5.4-20	Table 5.4-11	<b>38</b>	RAI 5.4.1-1
5.4-22	5.4-21	Table 5.4-12	<b>38</b>	RAI 5.4.1-1
5.4-26	5.4-25	Table 5.4-16	<b>38</b>	RAI 5.4.1-1
5.4-26	5.4-25	Table 5.4-16	<b>39</b>	BLN-0083
5.4-27	5.4-26	Table 5.4-17	<b>38</b>	RAI 5.4.1-1
5.5-2	5.5-2	Subsection 5.5.1	<b>39</b>	BLN-0087
5.5-2	5.5-2	Subsection 5.5.1.1	<b>08</b>	H-50
5.5-3	5.5-3	Subsection 5.5.1.1.1	<b>39</b>	BLN-0088
5.5-4	5.5-4	Subsection 5.5.1.1.3	<b>39</b>	BLN-0090
5.5-4	5.5-4	Subsection 5.5.1.1.3	<b>08</b>	H-50
5.7-3	5.7-3	Section 5.7	<b>39</b>	BLN-0091
5.7-5	5.7-5 through 5.7-6	Subsection 5.7-5	<b>39</b>	BLN-0126
5.7-8	5.7-8	Subsection 5.7.7	<b>39</b>	BLN-0126
5.7-9	5.7-9	Subsection 5.7.10	<b>39</b>	BLN-0092
5.8-1	5.8-1	Subsection 5.8.1	<b>09</b>	SE-09 & SE-31
5.8-1	5.8-1	Subsection 5.8.1	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
5.8-2	5.8-2	Subsection 5.8.1.2	<b>09</b>	SE-09 & SE-31
5.8-2	5.8-2	Subsection 5.8.1.2	<b>26</b>	RAIs 4.4.1-1 & 5.8.1-1

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
5.8-2	5.8-2	Subsection 5.8.1.2	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
5.8-2	5.8-2	Subsection 5.8.1.3	<b>09</b>	SE-25
5.8-6	5.8-6	Subsection 5.8.2	<b>01</b>	ER36, 63 & 65
5.8-6	5.8-6	Subsection 5.8.2.1	<b>09</b>	SE-09 & SE-31
5.8-6	5.8-6	Subsection 5.8.2.1	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
5.8-7	5.8-7	Subsection 5.8.2.2	<b>09</b>	SE-09 & SE-31
5.8-7	5.8-7	Subsection 5.8.2.2	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
5.8-8	5.8-7	Subsection 5.8.2.2.1	<b>39</b>	BLN-0093
5.8-8	5.8-7	Subsection 5.8.2.2.1	<b>01</b>	ER36, 63 & 65
5.8-8	5.8-7	Subsection 5.8.2.2.1	<b>27</b>	RAIs 2.5.2-5, 4.4.2-4 & 5.8.2-2
5.8-9	5.8-8 – 5.8-9	Subsection 5.8.2.3.1	<b>09</b>	SE-19 & SE-35
5.8-9	5.8-9	Subsection 5.8.2.3.1	<b>27</b>	RAI 2.5.2-8
5.8-9	5.8-8	Subsection 5.8.2.3.1	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
5.8-9	5.8-8 – 5.8-9	Subsection 5.8.2.3.1	<b>09</b>	SE-09 & SE-31
5.8-9 through 5.8-11	5.8-8 – 5.8-9	Subsection 5.8.2.3.1	<b>01</b>	ER64
5.8-11	5.8-10	Subsection 5.8.2.3.2	<b>27</b>	RAIs 4.4.2-1 & 5.8.2-1
5.8-12	5.8-10	Subsection 5.8.2.3.3	<b>39</b>	BLN-0094
5.8-12	5.8-10	Subsection 5.8.2.3.3	<b>27</b>	RAIs 4.4.2-7 & 4.4.2-8
5.8-16	5.8-14	Subsection 5.8.4	<b>39</b>	BLN-0095
5.8-16	5.8-14	Subsection 5.8.4	<b>01</b>	ER64
5.8-16	5.8-14	Subsection 5.8.4	<b>27</b>	RAIs 2.5.2-5, 4.4.2-4 & 5.8.2-2
5.8-16	5.8-14	Subsection 5.8.4	<b>27</b>	RAIs 4.4.2-7 & 4.4.2-8
5.8-16	5.8-14	Subsection 5.8.4	<b>09</b>	SE-09 & SE-31
5.10-1	5.10-1	Subsection 5.10	<b>39</b>	BLN-0126
5.10-13	5.10-13	Table 5.10-1	<b>39</b>	BLN-0126
<b>Chapter 6, Environmental Measurements and Monitoring Programs</b>				
6.1-2	6.1-2	Subsection 6.1.2	<b>39</b>	BLN-0096

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

ER REV. 1 PAGE NUMBER <sup>a</sup>	ER REV. 0 PAGE NUMBER <sup>b</sup>	ER SECTION, TABLE OR FIGURE	ER LTR NO. <sup>c</sup>	CHANGE REFERENCE NUMBER <sup>d</sup>
6.3-1	6.3-1	Section 6.3.1	39	BLN-0126
6.3-2	6.3-2	Subsection 6.3.1	08	H-50
6.6-8 through 6.6-9	6.6-8 -- 6.6-9	Table 6.6-1	08	H-50
<b>Chapter 7, Environmental Impacts of Postulated Accidents Involving Radioactive Material</b>				
7.2-5	7.2-5	Subsection 7.2.3.2	30	RAI 7.2-1
7.2-5	7.2-5	Subsection 7.2.3.2	30	RAI 7.2-2
7.3-3	7.3-3	Subsection 7.3.2	39	BLN-0097
7.3-4	7.3-4	Subsection 7.3.3	39	BLN-0098
7.3-4	7.3-4	Subsection 7.3.3	39	BLN-0099
7.4-1	n/a	Section 7.4	39	BLN-0100
7.4-1 through 7.4-9	7.4-1	Section 7.4	07	T-01
<b>Chapter 8, Need for Power</b>				
8-v	8-v	Chapter 8 List of Figures	39	BLN-0101
8-iv through 8-v	8-iv -- 8-v	Chapter 8 Figures 8.2-4a, 8.2-14 through 8.2-18	39	BLN-0102
8.2-3	8.2-3	Subsection 8.2.1.2	03	NFP
8.2-16	8.2-16	Table 8.2-5	03	NFP
8.2-18	8.2-18	Table 8.2-7	03	NFP
8.2-19	8.2-19	Table 8.2-8	03	NFP
F 8.2-9	F 8.2-9	Figure 8.2-9	03	NFP
F 8.3-2	F 8.3-2	Figure 8.3-2	03	NFP
8.3-2	8.3-2	Section 8.3	03	NFP
8.3-5	8.3-5	Table 8.3-2	03	NFP
8.3-6	8.3-6	Table 8.3-3	03	NFP
8.3-7	8.3-7	Table 8.3-4	03	NFP
8.3-8 through 8.3-9	8.3-8 through 8.3-9	Table 8.3-5	03	NFP
F 8.3-1 through F 8.3-3	F 8.3-1 -- F 8.3-3	Figures 8.3-1 through 8.3-3	39	BLN-0104
F 8.3-3	F 8.3-3	Figure 8.3-3	03	NFP
8.4-5	8.4-5	Table 8.4-1	03	NFP
F 8.4-1 through F 8.4-8	F 8.4-1 -- 8.4-8	Figures 8.4-1 through 8.4-8	39	BLN-0103
F 8.4-9	F 8.4-9	Figure 8.4-9	03	NFP

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
8A-2 through 8A-9	8A-2 through 8A-11	Table 8A-1	03	NFP
8A-10 through 8A-17	8A-12 through 8A-20	Table 8A-2	03	NFP
<b>Chapter 9, Alternatives to the Proposed Action</b>				
9.2-1	9.2-1 -- 9.2-2	Subsection 9.2	40	Units 1 & 2
9.2-4 through 9.2-6	9.2-4 -- 9.2-5	Subsection 9.2.1.2	40	Units 1 & 2
9.2-9	9.2-2	Subsection 9.2.2	40	Units 1 & 2
9.2-12	9.2-12	Subsection 9.2.2.2	39	BLN-0111
9.2-18	9.2-18	Subsection 9.2.2.8	39	BLN-0112
9.2-20	9.2-20	Section 9.2.2.9	10	ALT-10
9.2-21 through 9.2-24	9.2-21	Subsection 9.2.2.12	40	Units 1 & 2
9.2-25	9.2-22	Subsection 9.2.3.1.1	39	BLN-0113
9.2-33	9.2-30	Subsection 9.2.3.2.1	39	BLN-0114
9.2-36	9.2-33	Subsection 9.2.3.2.3	39	BLN-0115
9.2-41	9.2-38	Subsection 9.2.3.3.3	12	ALT-25
9.2-41	9.2-38	Subsection 9.2.3.3.3	34	RAI 9.2-1
9.2-43	9.2-39	Subsection 9.2.5	39	BLN-0116
9.2-43	9.2-39	Subsection 9.2-5	40	Units 1 & 2
9.2-43	9.2-39	Subsection 9.2.5	34	RAI 9.2-1
9.2-44	9.2-40	Table 9.2-1	40	Units 1 & 2
9.2-45	9.2-41	Table 9.2-2	39	BLN-0106
9.2-45	9.2-41	Table 9.2-2	39	BLN-0107
9.2-45	9.2-41	Table 9.2-2	39	BLN-0113
9.2-46	9.2-42	Table 9.2-3	39	BLN-0108
9.2-46	9.2-42	Table 9.2-3	39	BLN-0113
9.2-48	9.2-44	Table 9.2-4	39	BLN-0109
9.2-48	9.2-44	Table 9.2-4	39	BLN-0114
9.2-49	9.2-45	Table 9.2-5	39	BLN-0110
9.2-49 through 9.2-49	9.2-45 -- 9.2-46	Table 9.2-5	39	BLN-0114
9.2-51	9.2-47	Table 9.2-6	39	BLN-0105
9.3-4	9.3-4	Section 9.3.2.2	10	ALT-20
9.3-10	9.3-10	Subsection 9.3.2.4.2	39	BLN-0118

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
9.3-18 to 9.3-19	9.3-18	Subsection 9.3.3.1 (Geologic Evaluation)	<b>32A</b>	RAI 9.3-3
9.3-19 to 9.3-21	n/a	Subsection 9.3.3.1 (Cooling System Suitability)	<b>32A</b>	RAI 9.3-3
9.3-21 to 9.3-22	9.3-19	Subsection 9.3.3.1 (Plant Safety Evaluation - Flooding)	<b>32A</b>	RAI 9.3-3
9.3-22 to 9.3-23	9.3-20	Subsection 9.3.3.1 (Accident Effects Evaluation)	<b>32A</b>	RAI 9.3-3
9.3-23	9.3-21	Subsection 9.3.3.1 (Accident Effects Evaluation)	<b>32A</b>	RAI 9.3-3
9.3-23	9.3-21	Subsection 9.3.3.1 (Accident Effects Evaluation)	<b>32A</b>	RAI 9.3-3
9.3-32	9.3-30	Subsection 9.3.3.2 (Thermal Release Effects)	<b>32A</b>	RAI 9.3-3
9.3-32 to 9.3-33	9.3-30	Subsection 9.3.3.2 (Entrain-ment and Impingement)	<b>32A</b>	RAI 9.3-3
9.3-34 to 9.3-35	9.3-31	Subsection 9.3.3.3 (Constr. Effects Evaluation)	<b>32A</b>	RAI 9.3-3
9.3-35	9.3-32	Subsection 9.3.3.3 (Constr. Effects Evaluation)	<b>32</b>	RAI 9.3-4
9.3-36 to 9.3-37	9.3-33	Subsection 9.3.3.3 (Land Use)	<b>32A</b>	RAI 9.3-3
9.3-40	9.3-37	Subsection 9.3.3.4 (Water Supply)	<b>32A</b>	RAI 9.3-3
9.3-41	9.3-37	Subsection 9.3.3.4 (Transportation - Railroad)	<b>32A</b>	RAI 9.3-3
9.3-41 to 9.3-42	9.3-37	Subsection 9.3.3.4 (Transportation - Barge)	<b>32A</b>	RAI 9.3-3
9.3-42	9.3-38	Subsection 9.3.3.4 (Transmission Access)	<b>32</b>	RAI 9.3-6
9.3-43	9.3-39	Subsection 9.3.3.4 (Flood Protection)	<b>32A</b>	RAI 9.3-3

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

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9.3-45	9.3-45	Subsection 9.3.4	<b>39</b>	BLN-0119
9.3-46	9.3-42	Table 9.3-1	<b>32</b>	RAI 9.3-4
9.3-46	9.3-42	Table 9.3-1	<b>32A</b>	RAI 9.3-4
9.3-49	n/a	Table 9.3-X1	<b>32A</b>	RAI 9.3-3
9.3-50	n/a	Table 9.3-X2	<b>32A</b>	RAI 9.3-3
9.3-51	n/a	Table 9.3-X3	<b>32A</b>	RAI 9.3-3
9.3-51	n/a	Table 9.3-X3	<b>39</b>	BLN-0117
9.4-5	9.4-5	Subsection 9.4.1.2	<b>40</b>	Units 1 & 2
9.4-7	9.4-7	Subsection 9.4.1.2.2	<b>08</b>	H-56
9.4-9	9.4-9	Subsection 9.4.1.2.3	<b>08</b>	H-57, H-58, ALT-28
9.4-10	9.4-10	Subsection 9.4.1.2.5	<b>08</b>	H-57, H-58, ALT-28
9.4-12	9.4-12	Subsection 9.4.1.2.6	<b>08</b>	H-58A & ALT-27
9.4-12	9.4-12	Subsection 9.4.1.2.6	<b>08</b>	H-59 & ALT-24
<b>Chapter 10, Environmental Consequences of the Proposed Action</b>				
10.1-2	10.1-2	Subsection 10.1.1	<b>09</b>	SE-09 & SE-31
10.1-6	10.1-6	Subsection 10.1.2	<b>09</b>	SE-09 & SE-31
10.1-6	10.1-6	Subsection 10.1.3 (Construction Impacts)	<b>09</b>	SE-09 & SE-31
10.1-8	10.1-8	Subsection 10.1.3 (Operational Impacts)	<b>09</b>	SE-09 & SE-31
10.1-12	10.1-12	Table 10.1-1 (Sh. 1 of 10)	<b>05</b>	LU-10
10.1-12	10.1-12	Table 10.1-1 (Sh. 1 of 10)	<b>05</b>	LU-10
10.1-22	10.1-22	Table 10.1-2 (Sh. 1 of 9)	<b>05</b>	LU-10
10.1-24	10.1-24	Table 10.1-2	<b>39</b>	BLN-0123
10.1-26	10.1-26	Table 10.1-2 (Sh. 5 of 9)	<b>09</b>	SE-09 & SE-31
10.2-1	10.2-1	Subsection 10.2.1.1	<b>05</b>	LU-10
10.2-2	10.2-2	Subsection 10.2.1.3	<b>39</b>	BLN-0126
10.3-2	10.3-2	Section 10.3	<b>39</b>	BLN-0126
10.4-2	10.4-2	Subsection 10.4.1.1.1	<b>31</b>	RAI 10.4.1-1
10.4-2	10.4-2	Subsection 10.4.1.1.2	<b>31</b>	RAI 10.4.1-1
10.4-4	10.4-4	Subsection 10.4.1.2.3	<b>31</b>	RAI 10.4.1-1
10.4-9	10.4-9	Subsection 10.4.2.2.1	<b>05</b>	LU-10
10.4-10	10.4-9	Subsection 10.4.2.2.3	<b>20</b>	RAI 3.6-1
10.4-12	10.4-11	Subsection 10.4.3	<b>39</b>	BLN-0122

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 1. LIST OF TVA ENVIRONMENTAL REPORT LETTERS (ER LTRS)  
AND ASSOCIATED COLA CHANGES**

<b>ER REV. 1 PAGE NUMBER<sup>a</sup></b>	<b>ER REV. 0 PAGE NUMBER<sup>b</sup></b>	<b>ER SECTION, TABLE OR FIGURE</b>	<b>ER LTR NO.<sup>c</sup></b>	<b>CHANGE REFERENCE NUMBER<sup>d</sup></b>
10.4-15	10.4-14	Table 10.4-1	<b>39</b>	BLN-0120
10.4-15	10.4-14	Table 10.4-1	<b>39</b>	BLN-0121
10.4-16	10.4-15	Table 10.4-2 (Sheet 1 of 4)	<b>31</b>	RAI 10.4.1-1
10.4-18	10.4-17	Table 10.4-2 (Sheet 3 of 4)	<b>05</b>	LU-10
10.4-20	10.4-19	Table 10.4-3 (Sheet 1 of 2)	<b>05</b>	LU-10
10.4-21	10.4-20	Table 10.4-3 (Sheet 2 of 2)	<b>31</b>	RAI 10.4.1-1
10.4-23	10.4-21	Table 10.4-4 (Sheet 1 of 8)	<b>31</b>	RAI 10.4.1-1

**Notes:**

- a. **ER REV. 1 PAGE NUMBER:** Identifies the Revision 1 page, range of pages, or figure (identified with the prefix "F") in which each change is incorporated.
- b. **ER REV. 0 PAGE NUMBER:** Identifies the Revision 0 page, range of pages, or figure in which each change originated.
- c. **ER LTR NO:** Refers to the internal numbering system used by TVA to for identification of the correspondence that provides additional information, including ER mark-ups, as appropriate, and clarifications to information provided in Revision 0 of the BLN ER. Table 2 provides the link between the ER LTR Nos. and the references to the TVA correspondence.
- d. **CHANGE REFERENCE NUMBER:** Refers to the NRC sufficiency review comment, NRC Information Need, Request for Additional Information, erratum, or other change initiator that resulted in each change to the ER. The change references are identifies as follows:
  - Comments raised during the NRC acceptance review (also referred to as the sufficiency review) of the BLN COLA are identified with an alphanumeric designation beginning with "ER," followed by a two-digit sequential number (e.g., ER01, ER02, ..., ER65).
  - NRC Information Needs, which were identified at the Bellefonte site audit exit meeting held on April 4, 2008 are identified by an alphanumeric designation. This designator begins with a one, two, or three digit letter designation that identifies the topic of the information need followed by a two-digit sequential number. The letter designators are as follows:
    - G = General
    - LU = Land Use
    - Met = Meteorology

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

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- H = Hydrology
  - TE = Terrestrial Ecology
  - AQ = Aquatic Ecology
  - SE = Socioeconomics/Environmental Justice
  - CR = Cultural Resources
  - Alt = Alternatives
  - HP = Radiation/Fuel Cycle/Waste/Decommissioning
  - Acc = Accidents
  - T = Transportation
- Requests for Additional Information (RAIs), which are identified by the RAI number provided by the NRC in their letter dated July 11, 2008.
  - Errata, which are identified as site-specific by the alphanumeric designator, beginning with "BLN-" followed by a four-digit sequential number (e.g., BLN-0035 to BLN-0140). The non-standard, site-specific errata that were incorporated into ER Revision 1 were provided to the NRC staff by ER LTR 39, dated October 3, 2008. One standard erratum, AP-STD-0030, is also incorporated into ER Revision 1. This standard erratum was provided to the NRC in TVA's letter dated March 14, 2008 [ML080850402].
  - "Units 1 & 2" is the designator used for changes that were provided in ER LTR 40, which provides additional information regarding the consideration of Bellefonte Units 1 and 2 as a potential power generating option.
  - "NFP" is the designator for changes that were provided in ER LTR 03, which provided self-identified changes to the ER Chapter 8, Need for Power, evaluation.



TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

Table 2 identifies the TVA correspondence that provided additional information and clarifications to the information provided in Revision 0 to the BLN COLA, Part 3, Applicant's Environmental Report – Combined License Stage (ER). Some of these numbers were reserved, and not used; the reference citation for these letters indicates "not used."

**TABLE 2.**  
**TVA LETTERS PROVIDING CLARIFYING INFORMATION AND CHANGES**  
**TO REVISION 0 OF THE BELLEFONTE UNITS 3 AND 4 ENVIRONMENTAL REPORT**

ER LTR No.	References
01	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) – Bellefonte Nuclear Plant (BLN) - Response to Environmental Report (ER) Sufficiency Review Comments," dated May 2, 2008 [ML081270657].
02	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Requiring Transmittal of Data Files," dated June 24, 2008 [ML081780474].
03	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Changes to Environmental Report Chapter 8 - Need For Power," dated May 30, 2008 [ML081550238].
04	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to Cultural Resources," dated May 16, 2008 [ML081410174].
05	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to Accidents, Health Physics, Land Use, and Meteorology," dated May 28, 2008 [ML081510023].
06	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related Terrestrial Ecology," dated June 2, 2008 [ML081570367].
07	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Need Related to Transportation," dated July 2, 2008 [ML081850612].
08	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to Hydrology," dated June 12, 2008 [ML081680428].

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

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**TVA LETTERS PROVIDING CLARIFYING INFORMATION AND CHANGES**  
**TO REVISION 0 OF THE BELLEFONTE UNITS 3 AND 4 ENVIRONMENTAL REPORT**

ER LTR No.	References
09	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to Socioeconomics/Environmental Justice," dated July 3, 2008 [ML081900518].
10	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to Alternatives," dated June 12, 2008 [ML081680583].
11	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) -Response to NRC Information Needs Regarding Alternative Site Facilities and Infrastructure," dated June 26, 2008 [ML081790810].
12	Not used.
13	Not used.
14	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) -Response to NRC Information Need Related to Alternatives - Clinch River Breeder Reactor Site Information," dated June 27, 2008 [ML081850568].
15	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to Reservoir Vital Signs Monitoring Reports and Coal Gasification Project Environmental Impact Statement," dated June 11, 2008 [ML081970366].
16	Not used.
17	Not used.
18	Not used.
19	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Nuclear Regulatory Commission (NRC) - Bellefonte Nuclear Plant (BLN) - Response to NRC Information Needs Related to June 2008 Site Survey for Terrestrial Ecology Species," dated July 8, 2008 [ML081990512].
20	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Hydrology," dated August 4, 2008 [ML082190359].
21	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Hydrology," dated August 8, 2008 [ML082310341].

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

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**TVA LETTERS PROVIDING CLARIFYING INFORMATION AND CHANGES**  
**TO REVISION 0 OF THE BELLEFONTE UNITS 3 AND 4 ENVIRONMENTAL REPORT**

ER LTR No.	References
22	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - CORMIX - Related Hydrology Information," dated August 22, 2008 [ML082410216].
23	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Terrestrial Ecology," dated July 25, 2008 [ML082110161].
24	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Terrestrial and Aquatic Ecology," dated August 5, 2008 [ML082210108].
25	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Terrestrial and Aquatic Ecology," dated August 6, 2008 [ML082210167].
26	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Socioeconomics/ Environmental Justice," dated August 8, 2008 [ML082250341].
27	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Socioeconomics/ Environmental Justice," dated August 11, 2008.
28	Not used.
29	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Historic and Cultural Resources," dated August 1, 2008 [ML082200342].
30	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Radiological/Fuel Cycle/Waste Systems and Environmental Impacts of Accidents," dated August 6, 2008 [ML082210166].

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

**TABLE 2.**  
**TVA LETTERS PROVIDING CLARIFYING INFORMATION AND CHANGES**  
**TO REVISION 0 OF THE BELLEFONTE UNITS 3 AND 4 ENVIRONMENTAL REPORT**

ER LTR No.	References
31	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Need for Power and Benefit Cost," dated August 11, 2008 [ML082270252].
32	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Criteria and Basis for Comparative Ratings Among Alternative Sites," dated July 30, 2008 [ML082140229].
32A	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Environmental Report Changes Related to Updated Criteria and Basis for Comparative Ratings Among Alternative Sites," dated August 22, 2008 [ML082400687].
33	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Alternative Site Screening Process," dated August 12, 2008 [ML082270253].
34	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Alternative Site/Alternative Plant Systems," dated August 11, 2008 [ML082310062].
35	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte, Units 3 & 4, Response to Request for Additional Information re: Environmental Report, Thermophilic Microorganisms," dated July 25, 2008 [ML082100395].
36	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Construction/Preconstruction Impact Separation per 10 CFR 51.45(c)," dated August 22, 2008 [ML082390109].
37	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Resolved Information Needs," dated August 5, 2008 [ML082200550].
38	Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Radiological/Fuel Cycle/Waste Systems," dated August 11, 2008 [ML082280733].

TVA Letter Dated: October 10, 2008

List of TVA Environmental Report Letters and Associated COLA Changes

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**TABLE 2.**  
**TVA LETTERS PROVIDING CLARIFYING INFORMATION AND CHANGES**  
**TO REVISION 0 OF THE BELLEFONTE UNITS 3 AND 4 ENVIRONMENTAL REPORT**

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<b>ER LTR No.</b>	<b>References</b>
39	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application – Standardized Errata Report Revision 4," dated October 3, 2008.
40	Letter from Andrea L. Sterdis (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application – Additional Information Regarding Consideration of Bellefonte Units 1 and 2 as a Potential Power Generation Alternative in the Applicant's Environmental Report – Combined License Stage for Units 3 and 4," dated October 3, 2008.

ENCLOSURE 3  
COMBINED LICENSE (COL) APPLICATION - BELLEFONTE UNITS 3 AND 4  
PART 3, ENVIRONMENTAL REPORT; PART 9, WITHHELD INFORMATION.  
**PART 9 CONTAINS SENSITIVE INFORMATION (WITHHOLD UNDER 10 CFR 2.390)**  
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**Combined License (COL) Application  
Bellefonte Units 3 and 4  
Part 3, Environmental Report  
Part 9, Withheld Information**

**Part 9 Contains Sensitive Information  
(Withhold under 10 CFR 2.390)**

**SUBMISSION #3  
REVISION 1  
OCTOBER 2008  
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**(DVD Format)**