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Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

CNL-14-039

April 16, 2014

10 CFR 50.4
10 CFR 50, Appendix E
10 CFR 50.54(q)
10 CFR 72.4
10 CFR 72.44(f)

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Sequoyah Nuclear Plant, Units 1 and 2
Facility Operating License Nos. DPR-77 and DPR-79
NRC Docket Nos. 50-327 and 50-328

Watts Bar Nuclear Plant, Unit 1
Facility Operating License No. NPF-90
NRC Docket No. 50-390

Subject: **Radiological Emergency Plan Revision**

In accordance with the requirements of Title 10 of the Code of Federal Regulations (10CFR) 50.54(q) and 10 CFR 72.44(f), enclosed is Revision 103 of the Tennessee Valley Authority (TVA) Radiological Emergency Plan (REP). Revision 103 became effective on March 17, 2014.

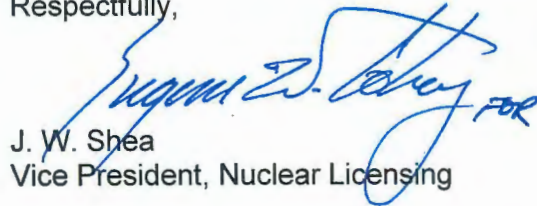
Enclosure 1 provides a summary of the changes and the analysis performed that concluded the changes do not reduce the effectiveness of the plan, and the plan, as revised, continues to meet the requirements in Appendix E to 10 CFR 50 and the planning standards of 10 CFR 50.47(b).

April 16, 2014

Enclosure 2 provides a copy of the TVA Radiological Emergency Plan - Generic. Enclosure 3 provides a copy of REP Appendix A: Browns Ferry Nuclear Plant. Enclosure 4 provides a copy of REP Appendix B: Sequoyah Nuclear Plant. Enclosure 5 provides a copy of REP Appendix C: Watts Bar Nuclear Plant.

There are no new regulatory commitments in this letter. If you have any questions regarding this submittal, please contact Edward D. Schrull at (423) 751-3850.

Respectfully,

A handwritten signature in blue ink, appearing to read "J. W. Shea", is written over the typed name and title.

J. W. Shea
Vice President, Nuclear Licensing

Enclosures:

1. Summary of Changes and Analysis
2. Radiological Emergency Plan, Generic, Revision 103
3. Radiological Emergency Plan, Appendix A: Browns Ferry Nuclear Plant, Revision 103
4. Radiological Emergency Plan, Appendix B: Sequoyah Nuclear Plant, Revision 103
5. Radiological Emergency Plan, Appendix C: Watts Bar Nuclear Plant, Revision 103

cc (Enclosures):

NRC Regional Administrator - Region II
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant
NRC Senior Resident Inspector - Sequoyah Nuclear Plant
NRC Senior Resident Inspector - Watts Bar Nuclear Plant Unit 1
NRC Senior Resident Inspector - Watts Bar Nuclear Plant Unit 2
NRR Project Manager - Browns Ferry Nuclear Plant
NRR Project Manager - Sequoyah Nuclear Plant
NRR Project Manager - Watts Bar Nuclear Plant