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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

June 22, 2012

Mr. Joseph W. Shea  
Manager, Corp. Nuclear Licensing Programs  
Tennessee Valley Authority  
1101 Market Street, LP 4B-C  
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT - NRC SECURITY INSPECTION REPORT  
05000259/2012403, 05000260/2012403 AND 05000296/2012403

Dear Mr. Shea:

On May 25, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Browns Ferry Nuclear Plant. The inspection covered one or more of the key attributes of the security cornerstone of the NRC's Reactor Oversight Process. The enclosed Inspection Report documents the inspection results, which were discussed on May 25, 2012, with Mr. K. Polson and other members of your staff.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations, and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

This report documents one finding of very low security significance (i.e., Green as determined by the Physical Protection Significance Determination Process). This finding was NRC identified. The deficiency was corrected or compensated for, and the plant was in compliance with applicable physical protection and security requirements within the scope of this inspection before the inspectors left the site. The finding had a cross-cutting aspect in the area of Human Performance H.2.c., in that, the licensee failed to maintain complete and accurate procedures. Additionally, one licensee-identified violation which was determined to be of very low safety significance is listed in this report. However, because of the very low safety significance and because they are entered into your corrective action program, the NRC is treating these violations as non-cited violations (NCVs) consistent with Section 2.3.2 of the NRC Enforcement Policy. If you contest these non-cited violations, you should provide a response within 30 days of the date of this inspection report with the basis for your denial, to the Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555-0001; with copies to the

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Regional Administrator Region II; the Director, Office of Enforcement, United States Nuclear Regulatory Commission, Washington, D.C. 20555-0001; and the NRC Resident Inspector at the Browns Ferry Nuclear Plant. In addition, if you disagree with the cross-cutting aspect assigned to any finding in this report, you should provide a response within 30 days of the date of this inspection report, with the basis for your disagreement, to the Regional Administrator of Region II, and the NRC Senior Resident Inspector at the Browns Ferry Nuclear Plant.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system, ADAMS. ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the security-related concerns contained in the enclosure, and in accordance with 10 CFR 2.390, a copy of this letter's enclosure will not be available for public inspection.

In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response, if any. This practice will ensure that your response will not be made available electronically for public inspection in the NRC Public Document Room ADAMS or from the NRC's document system, ADAMS. If Safeguards Information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21. Otherwise, mark your entire response "Security-Related Information-Withhold Under 10 CFR 2.390" and follow the instructions for withholding in 10 CFR 2.390(b)(1). Should you have any questions concerning this letter, please contact us.

Sincerely,

*/RA/*

Binoy Desai, Chief  
Plant Support Branch 2  
Division of Reactor Safety

Docket No. 50-259, 50-260, 50-296  
License No. DPR-33, DPR-52, DPR-68

Enclosure:  
Inspection Report 05000259/2012403,  
05000260/2012403 and 05000296/2012403  
w/Attachment: Supp. Info. **(OUO)**

cc w/encl.: (See page 3)

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/RA/

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Plant Support Branch 2  
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w/Attachment: Supp. Info. (OUO)

cc w/encl.: (See page 3)

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See page 4

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NAME	A. RICHARDSON	K. DAVIS	J. SHEHEE	B.DESAI	E. GUTHRIE
DATE	06/20/2012	06/19/2012	06/20/2012	06/21/2012	06/21/2012
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cc w/Encl:  
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Letter to Joseph W. Shea from B. Desai dated June 22, 2012.

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