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

April 10, 2014

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
1101 Market Street, LP 3D-C
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT - NRC SECURITY INSPECTION
REPORT 05000390/2014403

Dear Mr. Shea:

On March 28, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Watts Bar Nuclear Plant. The inspection covered one or more of the key attributes of the security cornerstone of the NRC's Reactor Oversight Process. Portions of the inspection associated with Access Authorization, Protection of Safeguards Information, and Fitness for Duty were completed at the Tennessee Valley Authority (TVA) Corporate Office on February 14, 2014. The enclosed Inspection Report documents the inspection results that were discussed on March 28, 2014, with Mr. C. Church 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.

No findings were identified during this inspection.

In accordance with Title 10 of the *Code of Federal Regulations* (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 Agency wide Document Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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However, the material enclosed herein contains Security-Related Information in accordance with 10 CFR 2.390(d)(1), and its disclosure to unauthorized individuals could present a security vulnerability. Therefore, the material in the Enclosure will not be made available electronically for public inspection in the NRC Public Document Room, or from the PARS component of NRC's ADAMS. If you choose to provide a response and Security-Related Information is necessary to provide an acceptable response, please mark your entire response "Security-Related Information - Withhold from public disclosure under 10 CFR 2.390" in accordance with 10 CFR 2.390(d)(1), and follow the instructions for withholding in 10 CFR 2.390(b)(1). In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response.

Sincerely,

/RA/

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

Docket No. 50-390
License No. NPF-90

~~Enclosure:~~

~~Inspection Report 05000390/2014403~~

~~w/Attachment: Supplementary Info (OUO)~~

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Sincerely,

/RA/

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

Docket No. 50-390
License Nos. NPF-90

Enclosure:

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| NAME | J. Tornow | J. D Graham | J. Shehee | J. Bartley | B. Desai | | |
| DATE | 4/ 4 /2014 | 4/ 7/2014 | 4/ 4 /2014 | 4/ 10 /2014 | 4/ 10/ 2014 | | |
| E-MAIL COPY | YES NO | YES NO | YES NO | YES NO | YES NO | | |

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