



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

July 27, 2012

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

**SUBJECT: WATTS BAR NUCLEAR STATION, UNIT 1 – SUPPLEMENTAL INFORMATION
NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION
REGARDING APPLICATION TO ALLOW SELECTIVE IMPLEMENTATION OF
ALTERNATE SOURCE TERM TO ANALYZE THE DOSE CONSEQUENCES
ASSOCIATED WITH FUEL HANDLING ACCIDENTS (TAC NO. ME8877)**

Dear Mr. Shea:

By letter dated June 13, 2012, Tennessee Valley Authority submitted a license amendment request for Watts Bar Nuclear Plant, Unit 1. The proposed amendment request would allow selective implementation of alternate source term to analyze the dose consequences associated with fuel-handling accidents. The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested and following, as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that the information delineated in the enclosure to this letter is necessary to enable the NRC staff to make an independent assessment regarding the acceptability of the proposed amendment request in terms of regulatory requirements and the protection of public health and safety and the environment.

In order to make the application complete, the NRC staff requests that TVA supplement the application to address the information requested in the enclosure within 13 days of this letter. This will enable the NRC staff to begin its detailed technical review. If the information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC will cease its review activities associated with the application. If the application is subsequently accepted for review, you will

J. Shea

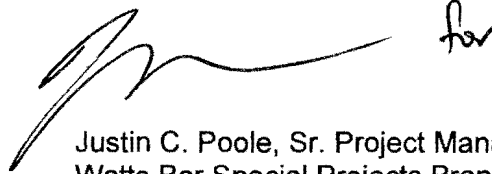
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be advised of any further information needed to support the staff's detailed technical review by separate correspondence.

The information requested and associated timeframe in this letter was discussed with Terry Cribbe of your staff on July 25, 2012.

If you have any questions, please contact Andy Hon, Project Manager, at (301) 415-8480.

Sincerely,

A handwritten signature in black ink, appearing to read 'JP', followed by a small, stylized mark that looks like 'for'.

Justin C. Poole, Sr. Project Manager
Watts Bar Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-390

Enclosure:
As stated

cc w/encl: Distribution via Listserv

SUPPLEMENTAL INFORMATION NEEDED FOR APPLICATION
TO ALLOW SELECTIVE IMPLEMENTATION OF ALTERNATE SOURCE TERM TO ANALYZE
THE DOSE CONSEQUENCES ASSOCIATED WITH FUEL-HANDLING ACCIDENTS

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-390

TAC NO. ME8877

1. What operator actions, if any, were added, deleted, or changed? Include actions credited in the Updated Final Safety Analysis Report Accident Analysis.
2. Are there any changes, additions, or deletions of procedures for the affected operator actions?
3. Are there any changes, additions, or deletions to training for the affected operator actions?

Enclosure

J. Shea

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be advised of any further information needed to support the staff's detailed technical review by separate correspondence.

The information requested and associated timeframe in this letter was discussed with Terry Cribbe of your staff on July 25, 2012.

If you have any questions, please contact Andy Hon, Project Manager, at (301) 415-8480.

Sincerely,

/ra/ (NMorgan for)

Justin C. Poole, Sr. Project Manager
Watts Bar Special Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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Enclosure:

As stated

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***By e-mail dated**

OFFICE	LPWB/PM	LPWB/LA	DRA/AHPB/BC	LPWB/BC	LPWB/PM
NAME	AHon	BClayton	UShoop *	GWilson	JPoole (NMorgan for)
DATE	7/26/12	7/26/12	7/26/12	7/27/12	7/27/12

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