Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

CNL-16-034

February 19, 2016

10 CFR 50.4(b)(6)
10 CFR 50.34(b)
10 CFR 2.390

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

Watts Bar Nuclear Plant Unit 2
Facility Operating License No. NPF-96
NRC Docket No. 50-391

Subject: **TMI Task Action I.D.1 Commitment Closure Regarding Control Room Design Review Special Program**

References:
1. TVA Letter to NRC, dated July 27, 1983 (ML073530375)
2. NUREG-0847 Supplement 15 "Safety Evaluation Report - Related to the Operation of Watts Bar Nuclear Plant, Units 1and 2," dated June 1995

In Reference 1, the Tennessee Valley Authority (TVA) committed to provide the Nuclear Regulatory Commission (NRC) with the following information for the Watts Bar Nuclear Plants (WBN) related to the closure of the Action I.D.1 in NUREG-0660, "NRC Action Plan Developed as a Result of the TMI-2 Accident," regarding the control room design review (CRDR) program:

- TVA will submit the results of the additional noise measurements 120 days after fuel loading. As noted in Table 18.1 of Reference 2, "The NRC will review the results of the sound/noise survey, discussed below, which will be completed by TVA 120 days after fuel load, in relation to NUREG-0700 Guideline 6.1.5.5, 'Auditory Environment'."

- TVA will take a complete set of color photographs of all panels located in the main control rooms and auxiliary control rooms after the respective units are operational for submittal to NRC 120 days after fuel loading.

Enclosure 1 provides the results of the WBN Unit 2 main control room noise survey that was performed in accordance with NUREG-0700 Guideline 6.1.5.5, "Auditory Environment," requirements. Enclosure 1, Table 3, "Hazard Assessment Results/Summaries," lists the five WBN Unit 2 main control room locations and the corresponding noise measurement at each location. Page E1-6 depicts the five main control room locations where the noise measurements were taken. Main control room positions 1 and 2 are located behind the horseshoe where normal communications are not performed. Normal control room communications are performed in positions 3, 4, and, 5 and are no more than 7 feet apart. Per NUREG-0700, these background noise levels are within the range where verbal communication should be intelligible using normal to raised voice levels.

Enclosure 2 provides a compact disk (CD) containing the color photographs of the main control room and auxiliary control room panels. The information provided in Enclosure 2 contains security sensitive information in accordance with 10 CFR 73.21(a)(1)(i). Because of the sensitive nature of this submittal, TVA request that this information be withheld from public disclosure in accordance with 10 CFR 2.390.

There are no new regulatory commitments in this letter. If you have any questions, please contact Gordon Arent, Director of Watts Bar Site Licensing, at (423) 365-2004.

Respectfully,

for

J. W. Shea
Vice President, Nuclear Licensing

Enclosures:

1. Watts Bar Nuclear Plant, Unit 2 Main Control Room Noise Survey
2. Watts Bar Nuclear Plant, Unit 2 Main Control Room and Auxiliary Control Room Panel Photographs

cc (w/o Enclosures):

NRC Regional Administrator - Region II
NRC Senior Resident Inspector, Unit 1
NRC Senior Resident Inspector, Unit 2

# ENCLOSURE 1
## Tennessee Valley Authority

## Watts Bar Nuclear Plant, Unit 2 Main Control Room Noise Survey



Security Sensitive Information - Withhold Under 10 CFR 2.390
This page is decontrolled when separated from Enclosure 2