



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200  
ATLANTA, GEORGIA 30303-1200

February 4, 2019

Mr. Joseph W. Shea  
Vice President,  
Nuclear Regulatory Affairs and  
Support Services  
Tennessee Valley Authority  
1101 Market Street, LP 4A  
Chattanooga, TN 37402-2801

Dear Mr. Shea:

SUBJECT: ASSESSMENT FOLLOWUP LETTER FOR WATTS BAR NUCLEAR PLANT  
UNIT 2

As a result of our quarterly review of plant performance, which was completed on January 30, 2018, the U.S. Nuclear Regulatory Commission (NRC) updated its assessment of Watts Bar Nuclear Plant Unit 2. The NRC's evaluation consisted of a review of performance indicators (PIs) and inspection results. This letter informs you of the NRC's assessment of your facility and supplements, but does not supersede, the mid-cycle letter issued on August 31, 2018.

Watts Bar Unit 2 Unplanned Scrams per 7000 Critical Hours PI exceeded the Green-to-White threshold value in the second quarter of 2018. On December 14, 2018, the NRC completed a review of your corrective actions for the White PI using Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The Regulatory Performance meeting was subsequently conducted on January 30, 2019.

The NRC concluded that the corrective actions taken were sufficient to meet the inspection objectives of the procedure. The NRC's inspection is documented in inspection report (IR) 05000391/2018040 which is publically available in the Agencywide Document Access and Management System using accession number (ML19022A291). The NRC's review of Watts Bar Nuclear Plant Unit 2's performance identified that the Unplanned Scrams per 7000 Critical Hours PI returned to Green in the fourth quarter of 2018 based on PI Data updated on January 23, 2019. Therefore, all the findings and performance indicators that input into the Action Matrix are Green. Accordingly, per the guidance in Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program," Watts Bar Unit 2 transitioned to the Licensee Response Column (Column 1) of the NRC's Action matrix, effective January 1, 2019.

Please contact me at (404) 997-4465 with any questions you may have regarding this letter.

Sincerely,

**/RA/**

Anthony D. Masters, Chief,  
Reactor Projects Branch 5  
Division of Reactor Projects

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UNIT 2 – February 4, 2019

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