



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

November 10, 2016

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

SUBJECT: ASSESSMENT FOLLOWUP LETTER FOR SEQUOYAH NUCLEAR PLANT
UNIT 1

Dear Mr. Shea:

As a result of our quarterly review of plant performance, which was completed on October 20, 2016, the U.S. Nuclear Regulatory Commission (NRC) updated its assessment of Sequoyah Nuclear Plant Unit 1. 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, 2016.

The Unplanned Scrams per 7000 Critical Hours PI exceeded the Green-to-White threshold value in the third quarter of 2015. On July 15, 2016, 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 inspectors reviewed your root cause analysis for each event as well as your overarching root cause analysis that was performed to identify and correct any issues common to multiple events. The inspectors determined each root cause analysis performed on individual events appropriately identified the cause and corrective actions to address the individual event. In addition, the inspectors determined that the overarching root cause analysis identified common causes that had applicability to multiple events and developed appropriate corrective actions to address these common causes. 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) 05000327/2016008 which is publically available in the Agencywide Document Access and Management System using accession number ML16244A370.

The NRC's review of Sequoyah Nuclear Plant Unit 1's performance identified that the Unplanned Scrams per 7000 Critical Hours PI returned to Green in the third quarter of 2016. 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," Sequoyah Nuclear Plant Unit 1 transitioned to the Licensee Response Column (Column 1) of the NRC's Action matrix, effective October 1, 2016.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 "Public inspection, exemptions, requests for withholding" of the NRC's "Agency Rules of Practice and Procedure," 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 Agencywide 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).

Please contact Alan Blamey at 404-997-4415 with any questions you have regarding this letter.

Sincerely,

/RA/

Joel T. Munday, Director
Division of Reactor Projects

Docket Nos.: 50-327
License Nos.: DPR-77

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OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	/RA/	/RA/	/RA/				
NAME	A Wilson	A. Blamey	J. Munday				
DATE	11/9/2016	11/9/2016	11/9/2016				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

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