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

March 4, 2015

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2, NRC INSPECTION REPORT 05000327/2014001, 05000328/2014001

Dear Mr. Shea:

On February 10, 2015, the NRC completed its end-of-cycle performance review of the Sequoyah Nuclear Plant Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014, through December 31, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Sequoyah Plant Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at the Sequoyah Nuclear Plant Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In addition to the ROP baseline inspections at your facility, we also plan on conducting infrequently performed inspections which include: Temporary Instruction (TI) 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans," and an initial operator license examination.

In accordance with 10 CFR 2.390 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 document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Please contact me at (404) 997-4511 with any questions you have regarding this letter.

Sincerely,

/RA/

Michael F. King, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket Nos.: 50-327, 50-328
License Nos.: DPR-77, DPR-79

Enclosure: Sequoyah Inspection/Activity Plan
(03/01/2015 – 06/30/2016)

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ADAMS: ☐ Yes ACCESSION NUMBER:_____ ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP			
SIGNATURE	/RA by SRS5/	/RA By MFK1/			
NAME	SSandal	MKing			
DATE	2/26/2015	2/29/2015			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\Periodic Assessments & Reports\EOC & Mid-Cycle\2014\End Of Cycle\Input\RPB6\Sequoyah

Letter to Joseph W. Shea from Michael F. King dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2, NRC INSPECTION REPORT 05000327/2014001, 05000328/2014001

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Sequoyah
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates Start	End	Inspection Activity	Title	No. of Staff on Site
			OL EXAM	**- INITIAL LICENSE EXAM**	**3**
1	03/02/2015	03/27/2015	V23432	SEQUOYAH/MARCH 2015 INITIAL EXAM AT POWER FACILITIES	
			ISI	**- UNIT 1 IN-SERVICE INSPECTION & RVH EXAM**	**2**
1	04/20/2015	04/24/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI	**- UNIT 1 SG IN-SERVICE INSPECTION**	**1**
1	04/27/2015	05/01/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			PI&R	**- PROBLEM IDENTIFICATION AND RESOLUTION**	**4**
1, 2	06/08/2015	06/12/2015	IP 71152B	Problem Identification and Resolution	
1, 2	06/22/2015	06/26/2015	IP 71152B	Problem Identification and Resolution	
			MODS	**- PLANT MODIFICATIONS INSPECTION**	**3**
1, 2	07/13/2015	07/17/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1, 2	07/27/2015	07/31/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			HS	**- TRIENNIAL HEAT SINK PERFORMANCE**	**1**
1, 2	07/20/2015	07/24/2015	IP 7111107T	Heat Sink Performance	
			EP	**- EP PROGRAM INSPECTION**	**4**
1, 2	10/12/2015	10/16/2015	IP 7111402	Alert and Notification System Testing	
1, 2	10/12/2015	10/16/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	10/12/2015	10/16/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	10/12/2015	10/16/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	10/12/2015	10/16/2015	IP 71151	Performance Indicator Verification	
			RP	**- RAD HAZARDS ANALYSIS AND TRANSPORTATION**	**2**
1, 2	11/02/2015	11/06/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/02/2015	11/06/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	11/02/2015	11/06/2015	IP 71151	Performance Indicator Verification	
			ISI	**- UNIT 2 IN-SERVICE INSPECTION**	**1**
2	11/23/2015	11/27/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI	**- UNIT 2 SG IN-SERVICE INSPECTION**	**1**
2	11/30/2015	12/04/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			OL EXAM	**- INITIAL LICENSE EXAM PREP**	**3**
1	02/08/2016	02/12/2016	V23466	SEQUOYAH MARCH 2016 INITIAL EXAM AT POWER FACILITIES	
			OL EXAM	**- INITIAL LICENSE EXAM**	**3**
1	03/07/2016	03/18/2016	V23466	SEQUOYAH MARCH 2016 INITIAL EXAM AT POWER FACILITIES	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Sequoyah
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates Start	End	Inspection Activity	Title	No. of Staff on Site
			CDBI - COMPONENT DESIGN BASES INSPECTION		**7**
1, 2	04/25/2016	04/29/2016	IP 7111121	Component Design Bases Inspection	
1, 2	05/09/2016	05/13/2016	IP 7111121	Component Design Bases Inspection	
1, 2	05/23/2016	05/27/2016	IP 7111121	Component Design Bases Inspection	
1, 2	06/13/2016	06/17/2016	IP 7111121	Component Design Bases Inspection	

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