



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

September 17, 2019

Mr. Matthew Rasmussen
Site Vice President
Sequoyah Nuclear Plant
P.O. Box 2000
Soddy Daisy, TN 37384

SUBJECT: SEQUOYAH NUCLEAR PLANT, UNIT 2 – REVIEW OF CYCLE 22 – 180-DAY
STEAM GENERATOR TUBE INSPECTION REPORT (EPID L-2019-LRO-0034)

Dear Mr. Rasmussen:

By letters dated April 25, 2019, and August 19, 2019 (Agencywide Documents Access and Management System Accession Nos. ML19126A274 and ML19231A208, respectively), Tennessee Valley Authority submitted information summarizing the results of the fall 2018 steam generator inspections that were performed at Sequoyah Nuclear Plant, Unit 2, during Refueling Outage 22.

The U.S. Nuclear Regulatory Commission staff reviewed the information provided and concludes that Tennessee Valley Authority provided the information required by Technical Specification 5.6.6, "Steam Generator Tube Inspection Report," and that no additional follow-up is required at this time. The staff's review summary is enclosed.

If you have any questions, please contact me at 301-415-8480 or by e-mail to Andrew.Hon@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Hon", with a long horizontal flourish extending to the right.

Andrew Hon, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-328

Enclosure:
Fall 2018 Steam Generator Tube
Inspection Report

cc: Listserv

REVIEW BY THE OFFICE OF NUCLEAR REACTOR REGULATION

FALL 2018 STEAM GENERATOR TUBE INSPECTION REPORT

TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT, UNIT 2

DOCKET NO. 50-328

By letters dated April 25, 2019, and August 19, 2019 (Agencywide Documents Access and Management System Accession Nos. ML19126A274 and ML19231A208, respectively), Tennessee Valley Authority (TVA, the licensee) submitted information summarizing the results of the fall 2018 steam generator inspections that were performed at Sequoyah Nuclear Plant (Sequoyah), Unit 2, during Refueling Outage 22. The letter dated August 19, 2019, revised and replaced the letter dated April 25, 2019.

Sequoyah, Unit 2, has four Model 57 AG⁺ steam generators that were installed in 2012 designed by Westinghouse and fabricated by Doosan Heavy Industries. Each steam generator contains 4,983 Alloy 690 tubes with a nominal outside diameter of 0.750 inches and nominal wall thickness of 0.043 inches. The tubes were hydraulically expanded for the full depth of the tubesheet.

The licensee provided the scope, extent, methods, and results of its steam generator tube inspections in the documents referenced above. In addition, the licensee described corrective actions, such as removal of foreign objects, taken in response to the inspection findings.

Based on a review of the information provided, the staff concludes that the licensee provided the information required by the Sequoyah Technical Specifications. In addition, the staff concludes that there are no technical issues that warrant follow-up action currently, since the inspections appear to be consistent with the objective of detecting potential tube degradation, and the inspection results appear to be consistent with industry operating experience at similarly designed and operated units.

SUBJECT: SEQUOYAH NUCLEAR PLANT, UNIT 2 – REVIEW OF CYCLE 22 – 180-DAY
STEAM GENERATOR TUBE INSPECTION REPORT (EPID L-2019-LRO-0034)
DATED SEPTEMBER 17, 2019

DISTRIBUTION:

PUBLIC
PM File Copy
RidsNrrPMSequoyah Resource
RidsNrrDorLp2-2 Resource
RidsACRS_MailCtr Resource
RidsRgn2MailCenter Resource
RidsNrrDlmrMccb Resource
PKlein, NRR
AHuynh, NRR
AJohnson, NRR

ADAMS Accession No.: ML19249B155

*by e-mail

OFFICE	NRR/DORL/PLP2-2/PM	NRR/DORL/LPL2-2/LA	NRR/DMLR/MCCB/BC*
NAME	AHon	LRonewicz	SBloom
DATE	09/09/19	09/09/19	09/04/19
OFFICE	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL2-2/PM	
NAME	UShoop	AHon	
DATE	09/17/19	09/17/19	

OFFICIAL RECORD COPY