



OFFICIAL USE ONLY-SECURITY RELATED INFORMATION

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

July 13, 2016

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

SUBJECT: SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2 – STAFF ASSESSMENT
OF RESPONSE TO 10 CFR 50.54(f) INFORMATION REQUEST – FLOOD-
CAUSING MECHANISM REEVALUATION (CAC NOS. MF6032 AND MF6033)

Dear Mr. Shea:

By letter dated March 12, 2012, the U.S. Nuclear Regulatory Commission (NRC) issued a request for information pursuant to Title 10 of the *Code of Federal Regulations*, Section 50.54(f) (hereafter referred to as the 50.54(f) letter). The request was issued as part of implementing lessons-learned from the accident at the Fukushima Dai-ichi nuclear power plant. Enclosure 2 to the 50.54(f) letter requested licensees to reevaluate flood-causing mechanisms using present-day methodologies and guidance. By letter dated March 12, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15071A462), Tennessee Valley Authority (TVA, the licensee) responded to this request for Sequoyah Nuclear Plant, Units 1 and 2 (Sequoyah).

By letter dated September 3, 2015 (ADAMS Accession No. ML15240A163), the NRC staff sent TVA a summary of the staff's review of the licensee's reevaluated flood-causing mechanisms. The enclosed staff assessment provides the documentation supporting the NRC staff's conclusions summarized in the letter. As stated in the letter, the reevaluated flood hazard results for local intense precipitation and streams and rivers were not bounded by the current design-basis flood hazard. In order to complete its response to Enclosure 2 to the 50.54(f) letter, the licensee is expected to submit a focused evaluation or an integrated assessment, as appropriate, to address these reevaluated flood hazards, as described in the NRC's September 1, 2015, letter (ADAMS Accession No. ML15174A257).

The Enclosure transmitted herewith contains Security-Related Information. When separated from the Enclosure, this document is decontrolled.

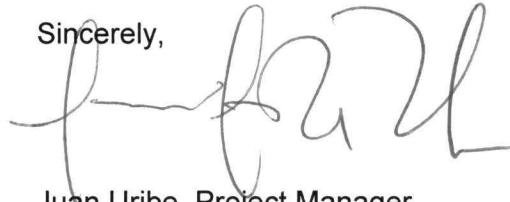
OFFICIAL USE ONLY-SECURITY RELATED INFORMATION

J. Shea

- 2 -

If you have any questions, please contact me at (301) 415-3809 or e-mail at Juan.Uribe@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Juan Uribe', written in a cursive style.

Juan Uribe, Project Manager
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosure:
Staff Assessment of Flood Hazard
Reevaluation Report

cc w/o encl: Distribution via Listserv

OFFICIAL USE ONLY-SECURITY RELATED INFORMATION

J. Shea

- 2 -

This closes out the NRC's efforts associated with CAC Nos. MF6032 and MF6033. If you have any questions, please contact me at (301) 415-3809 or e-mail at Juan.Uribe@nrc.gov.

Sincerely,

/RA/

Juan Uribe, Project Manager
Hazards Management Branch
Japan Lessons-Learned Division
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosure:
Staff Assessment of Flood Hazard
Reevaluation Report

cc w/encl: Distribution via Listserv

DISTRIBUTION:

PUBLIC	JLD R/F	RidsNRRJLD Resource
JUribe, NRR	MShams, NRR	JDavis, NRR
GBowman, NRR	YCheng, NRO	RidsNrrPMSequoyah
RidsNrrDorlpl2-2Resource	RidsNrrDorl Resource	Resource RidsRgn2MailCenter
RidsOpaMail Resource	RidsNrrLASLent	RidsOgcMailCenter Resource
ACampbell,NRO	SBreithaupt, NRO	MBensi, NRO
MMcBride, NRO	RidsNroDsea Resource	RidsNrrJLD Resource
MWillingham, NRO	CCook, NRO	RidsAcrsAcnw_MailCtr Resource
ARivera-Varona, NRO		

ADAMS Accession Nos.: Letter: ML16194A115 (PUBLIC) , ML16188A274 (NON-PUBLIC) *via email

OFFICE	NRR/JLD/JHMB/PM	NRR/JLD/LA	NRO/DSEA/RHM2/BC
NAME	JUribe	SLent	CCook
DATE	07/07/2016	07/07/2016	06/29/2016
OFFICE	NRR/JLD/JHMB/BC(A)	NRR/JLD/JHMB/PM	
NAME	GBowman	JUribe	
DATE	07/13/2016	07/13/2016	

OFFICIAL RECORD COPY