



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

July 3, 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

SUBJECT: VERIFICATION LETTER OF THE APPROVAL VERSION OF TENNESSEE  
VALLEY AUTHORITY TOPICAL REPORT "TVA OVERALL BASIN PROBABLE  
MAXIMUM PRECIPITATION AND LOCAL INTENSE PRECIPITATION  
ANALYSIS CALCULATION CDQ0000002016000041," REVISION 1  
(EPID L-2016-TOP-0011)

Dear Mr. Shea:

By letter dated May 21, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19155A047), Tennessee Valley Authority (TVA, the applicant) submitted an approval ("-A") version of the subject Topical Report (TR), "TVA Overall Basin Probable Maximum Precipitation and Local Intense Precipitation Analysis, Calculation CDQ0000002016000041, Revision 1," to the U.S. Nuclear Regulatory Commission (NRC) staff. TVA has done so in accordance with our request to publish approval proprietary and non-proprietary versions of this TR, as detailed in the transmittal letter dated March 12, 2019, of the NRC staff's final safety evaluation (ADAMS Accession No. ML19010A212) for this TR.

The NRC staff has completed its review of the approval version of the TR. The NRC staff verified that TVA has met the requirements and determined that the submitted "-A" versions are acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations and conditions delineated in the accepted versions of this TR.

If you have any questions, please contact Andrew Hon at 301-415-8480.

Sincerely,

**/RA/**

Undine Shoop, Branch Chief  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, 50-296,  
50-327, 50-328,  
50-390, 50-391

RESOLUTION OF COMMENTS BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
ON DRAFT SAFETY EVALUATION FOR TENNESSEE VALLEY AUTHORITY  
TOPICAL REPORT, "TVA OVERALL BASIN PROBABLE  
MAXIMUM PRECIPITATION AND LOCAL INTENSE PRECIPITATION  
ANALYSIS CALCULATION CDQ0000002016000041," REVISION 1

This attachment provides the U.S. Nuclear Regulatory Commission (NRC) staff's review and disposition of the comments from Tennessee Valley Authority (TVA) on the draft safety evaluation(SE) for TVA Overall Basin Probable Maximum Precipitation and Local Intense Precipitation Analysis Calculation CDQ0000002016000041, Revision 1.

Page	Line	Proposed Change / Comment	NRC Resolution of Proposed Change/Comment
1	21	Recommend deletion of <i>major</i> as used to refer to TVA dams. The term is not well defined.	The NRC staff understood the concern. The sentence in question was modified accordingly in the final SE.
2	60	Suggest inserting <i>upstream</i> to describe the watersheds depicted in Figure 2. Figure 2 does not include portions of the watersheds contributing to backwater effects downstream of the nuclear plants.	The NRC staff understood the concern. The sentence in question was modified accordingly in the final SE.

SUBJECT: VERIFICATION LETTER OF THE APPROVAL VERSION OF TENNESSEE VALLEY AUTHORITY TOPICAL REPORT "TVA OVERALL BASIN PROBABLE MAXIMUM PRECIPITATION AND LOCAL INTENSE PRECIPITATION ANALYSIS CALCULATION CDQ0000002016000041," REVISION 1 (EPID L-2016-TOP-0011) DATED JULY 3, 2019

**DISTRIBUTION:**

PUBLIC

PM File Copy

RidsACRS\_MailCTR Resource

RidsRgn2MailCenter Resource

RidsNrrDorl Resource

RidsDorlLpl2-2 Resource

RidsNrrPMBrownsFerry Resource

RidsNrrPMSequoyah Resource

RidsNrrPMWattsBar Resource

RidsNrrLABClayton Resource

RidsNrrLAJBurkhardt Resource

KQuinlan, NRO

DBarnhurst, NRO

**ADAMS Accession No.: ML19158A395****\*by email**

OFFICE	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/LA	NRO/DLSE/RHM/BC*	NRR/DORL/LPL2-2/BC
NAME	AHon	BClayton (JBurkhardt for)	DBarnhurst	UShoop
DATE	06/07/19	06/25/19	06/10/19	07/03/19

**OFFICIAL RECORD COPY**