



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

December 12, 2023

Mr. Brian McDermott, Director
Licensing and Planning
New Nuclear Program
Tennessee Valley Authority
1101 Market Street
LP 1G-C
Chattanooga, TN 37402

SUBJECT: FINAL SAFETY EVALUATION FOR TENNESSEE VALLEY AUTHORITY
TOPICAL REPORT, NNP-TR-001-NP "QUALITY ASSURANCE PROGRAM
DESCRIPTION FOR TVA NEW NUCLEAR, REVISION 2" (DOCKET NO.
9990256)

Dear Mr. McDermott:

By letter dated August 25, 2022 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22238A101), the Tennessee Valley Authority (TVA) submitted Topical Report (TR) NNP-TR-001-NP, Revision 0, "Quality Assurance Program Description [(QAPD)] for TVA New Nuclear Program," (hereafter referred to as TVA New Nuclear QAPD) for the U.S. Nuclear Regulatory Commission (NRC) staff's review and approval for future license applications by TVA. In response to the NRC staff's request for additional information (ML23027A132), TVA submitted TVA New Nuclear QAPD, Revisions 1 (ML23054A158) and 2 (ML23188A150) to the NRC staff for review and approval.

The NRC staff has found TVA TR, Revision 2, to be acceptable for referencing in the Clinch River Nuclear Site construction permit license application to the extent specified in the enclosed final safety evaluation (SE) that defines the basis for acceptance with the limitations and conditions imposed, is appropriate and should be issued.

In accordance with the guidance provided on the NRC's TR website (<http://www.nrc.gov/about-nrc/regulatory/licensing/topical-reports.html>), the NRC requests that TVA publish an accepted version of this TR within three months of receipt of this letter. The accepted version shall incorporate this letter and the enclosed SE after the title page. Also, it must contain in its appendices historical review information, such as requests for additional information and your responses. The accepted version shall include an "-A" (designated accepted) following the report identification number.

If the NRC's criteria or regulations change so that its conclusion in this letter (that the TR is acceptable) is invalidated, an applicant referencing the TR will be expected to revise and resubmit its respective documentation or submit justification for the continued applicability of the TR without revision of the respective documentation.

B. McDermott

- 2 -

If you have any questions or comments concerning this matter, I can be reached via e-mail at Allen.Fetter@nrc.gov.

Sincerely,

/RA/

Allen Fetter, Senior Project Manager
New Reactor Licensing and Infrastructure Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket No.: 999002056

Enclosure:
Safety Evaluation

cc: Ray Schiele (TVA)

SUBJECT: FINAL SAFETY EVALUATION FOR TENNESSEE VALLEY AUTHORITY
TOPICAL REPORT, NNP-TR-001-NP "QUALITY ASSURANCE PROGRAM
DESCRIPTION FOR TVA NEW NUCLEAR PROGRAM, REVISION 2" (DOCKET
NO. 9990256)
DATED: DECEMBER 12, 2023

DISTRIBUTION (w/o/ safety evaluation):

PUBLIC
NLIB R/F
MHayes, NRR
BSmith, NRR
KKavanagh, NRR
DZhang, NRR
RidsNrrOd
RidsNrrDnrl
RidsNrrDnrlNlib
RidsOgcMailCenter
bmcdermott@tva.gov
rjschiele@tva.gov

ADAMS Accession Nos.:

PKG: ML23254A050

LTR: ML23254A052

SE: ML23254A053

***via email**

NRR-106

OFFICE	DNRL/NLIB: PM	DNRL/NLIB: LA	DNRL/NLIB: BC	OGC	DNRL/NLIB: PM
NAME	AFetter	SGreen	MHayes	MSpencer	AFetter
DATE	08/29/2023	09/18/2023	09/21/2023	12/11/2023	12/12/2023

OFFICIAL RECORD COPY