



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

June 13, 2023

James Barstow
Vice President, Nuclear Regulatory
Affairs and Support Services
Tennessee Valley Authority
1101 Market Street, LP 4A-C
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3, SUBSEQUENT
LICENSE RENEWAL APPLICATION – PUBLIC MEETING SUMMARY OF PRE-
SUBMITTAL MEETING

Dear James Barstow:

By letter dated May 27, 2021 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21147A359), as revised by letter dated June 6, 2023 (ML23157A126), Tennessee Valley Authority (TVA, or the applicant), submitted a letter of intent to submit a subsequent license renewal application (SLRA) for Browns Ferry Nuclear Plant (Browns Ferry), Units 1, 2, and 3.

On May 11, 2023, an Observation Meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of TVA. The purpose of the meeting was to discuss the expected content of the upcoming submittal of the SLRA for Browns Ferry. The meeting notice and agenda dated May 10, 2023, is available at ML23130A298. The NRC presentation is available at ML23130A092, and the applicant's presentation is available at ML23130A091. A list of participants is provided as Enclosure 1. A similar meeting was held the same day, with a focus on the environmental review. A summary of that meeting is available at ML23157A127.

NRC staff then began a brief overview of the license renewal (LR) process. The process consists of two tracks: the environmental review and the safety review. During the meeting, NRC staff shared a tentative schedule for the safety review of the application. For an application submission date of December 2023, the final licensing decision is to be determined pending the completion of the environmental review. For the Browns Ferry SLRA, NRC staff intends to incorporate process improvements and lessons learned from previous SLRA reviews, and as a result, will aim to issue one single safety evaluation report, in support of one single meeting with the Advisory Committee on Reactor Safeguards.

TVA began its presentation with a summary of the project team and organizations supporting the SLRA. TVA then provided a brief background on the initial license renewal application, power uprate history, and LR inspection timeline and results.

TVA also discussed its approach for developing the Browns Ferry SLRA. The applicant indicated that it intends to leverage the format and content contained in NUREG-2192,

“Standard Review Plan for Review of Subsequent License Renewal Applications for Nuclear Power Plants (SPR-SLR),” and NUREG-2191, “Generic Aging Lessons Learned for Subsequent License Renewal (GALL-SLR) Report,” and Regulatory Guide 1.188, Revision 2, “Standard Format and Content for Applications to Renew Nuclear Power Plant Operating Licenses,” and Interim Staff Guidance (SLR-ISG) in the development of its application. The applicant also stated that they intend to address previous applicable NRC Requests for Additional Information (RAIs), Requests for Confirmation of Information (RCIs), and apply lessons learned from previous industry license renewal projects.

TVA then presented their approach toward Operational Experience reviews, scoping and screening, Aging Management Reviews (AMR), Aging Management Programs, and Time-Limited Aging Analyses. NRC staff asked if cathodic protection was included for buried and underground piping and if TVA was using an exemption. TVA stated there would be no cathodic protection and no exemption. TVA and NRC staff agreed that further engagement on this topic is warranted. Further questions by NRC staff focused on clarifying fluence methodologies and using BWRVIP-145, the differences in Effective Full Power Years (EFPY) across units, and fire protection. TVA confirmed that BWRVIP-145 is used and that for EFPY and fire protection, they intend to be consistent with the GALL.

Additional topics included administrative issues such as the process and method of SLRA submittal, AMR table line-item spreadsheets, audits, and RAI/RCI response turnaround. The applicant concluded the meeting by stating that the Browns Ferry SLRA is on track to be submitted in December 2023, although there were considerations being made for submitting in early January 2024 at the request of NRC staff. No comments or questions were provided by members of the public.

If you have any questions, please feel free to contact me at Jessica.Hammock@nrc.gov.

Sincerely,

/RA/

Jessica Hammock, Project Manager
License Renewal Projects Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, 50-296

Enclosure:
List of Attendees

cc w/encl: ListServ

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3, SUBSEQUENT
 LICENSE RENEWAL APPLICATION – PUBLIC MEETING SUMMARY OF PRE-
 SUBMITTAL MEETING
 DATED: JUNE 13, 2023

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ADAMS Accession Number: ML23156A489 ***via email** **NRR-106**

OFFICE	NRR/DNRL/NLRP/PM	NRR/DNRL/NLIB/LA	NRR/DNRL/NLRP/BC
NAME	JHammock*	SGreen*	LGibson*
DATE	06/05/2023	06/05/2023	06/09/2023
OFFICE	NRR/DNRL/NLRP/PM	NRR/DNRL/NLRP/PM	
NAME	MJohnson*	JHammock*	
DATE	06/12/2023	06/13/2023	

OFFICIAL RECORD COPY

List of Attendees

All attendees participated remotely.

NRC Attendees:

Adakou Foli
Ali Rezai
Allen Hiser
Andrew Siwy
Angie Buford
Ata Istar
Bart Fu
Bernie Thomson
Brandon Wise
Brian Allik
Brian Lee
Carol Moyer
Carolyn Fairbanks
Christopher Jackson
Christopher Tyree
Cory Parker
Daniel Ju
Dave Gasperson
David Dijamco
Emma Haywood
George Thomas
George Wang
Greg Makar
Ian Tseng
Jessica Hammock
Joel Jenkins
John Pelchat
John Wise
Jorge Cintron-Rivera
Kimberly Green
Lauren Gibson
Liliana Ramadan
Lloyd Desotell
Lydiana Alvarado
Lynnea Wilkins
Marieliz Johnson

Mark Yoo
Mat Burton
Matthew Yoder
Michael Benson
Naeem Iqbal
On Yee
Paul Klein
Reena Boruk
Santosh Bhatt
Seung Min
Shaohua Lai
Varoujan Kalikian
Vaughn Thomas
Zuhan Xi

TVA Attendees:

John Paul Anglin
William J Baker
Joseph Herbert Bashore
Peter John Donahue
Mike Gallagher
Daniel Green
Malinda Hunter
Dominick Edgar Logalbo
Eric Ashley Michael
Suzanna Irby Stevens
William Ross Victor

Constellation Nuclear

Lydia S Dworakowski
John Hilditch
Casey A Muggleston

Additional Attendees:

Mary Catherine Hancock
Terry Herrmann
Brett Titus