



September 1, 2022

ULNRC-06764

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

10 CFR 50.90

Ladies and Gentlemen:

**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
RENEWED FACILITY OPERATING LICENSE NPF-30
REVISED RESPONSE TO REQUEST FOR
ADDITIONAL INFORMATION REGARDING
LICENSE AMENDMENT REQUEST FOR ADOPTION OF
ALTERNATE SOURCE TERM AND REVISION OF
TECHNICAL SPECIFICATIONS (LDCN 21-0015)**

On September 28, 2021, and per Reference 1 included in the list of references on page 3 of this letter, Ameren Missouri submitted a license amendment request (LAR) for adopting the alternative source term methodology addressed in 10 CFR 50.67 and Regulatory Guide 1.183, Rev 0, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors."

Following several letters related to the NRC's acceptance review of the LAR (including LAR supplements submitted by Ameren Missouri), a request for additional information (RAI) was electronically received (via e-mail) from the NRC on June 2, 2022 (Reference 2). Responses to the individual RAI requests/questions received on June 2, 2022, were provided in a letter submitted July 5, 2022 (Reference 3).

This letter is submitted to update Ameren Missouri's response to RAI HFE-1, which was originally provided in Reference 3. The updated response and justification are hereby provided in the enclosure to this letter.

In accordance with 10 CFR 50.91, "Notice for public comment; State consultation," Section (b)(1), a copy of this supplement to the Reference 1 LAR and regulatory exemption request is being provided to the designated Missouri State official. This supplement was reviewed by the Callaway Plant Onsite Review Committee.

For any questions regarding this submittal, please contact Tom Elwood (Supervisor, Regulatory Affairs and Licensing) at (314) 225-1905.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Todd A. Witt
Manager, Regulatory Affairs

Executed on: 9-1-2022

Enclosure: Updated Response to RAI HFE-1

References:

1. Ameren Missouri letter ULNRC-06636, "License Amendment Request for Adoption of Alternate Source Term and Revision of Technical Specifications," dated September 28, 2021 (ADAMS Accession No. ML21272A168)
2. NRC letter, " Final Request for Additional Information - Callaway Plant, Unit 1 - License Amendment Request for Adoption of Alternate Source Term and Revision of Technical Specifications - EPID L-2021-LLA-0177," transmitted via e-mail on June 2, 2022 (ADAMS Accession No. ML22154A012)
3. Ameren Missouri letter ULNRC-06754, "Response to Request for Additional Information Regarding License Amendment Request for Adoption of Alternate Source Term and Revision of Technical Specifications," dated July 5, 2022 (ADAMS Accession No. ML22186A104)

cc: Mr. Scott A. Morris
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

Senior Resident Inspector
Callaway Resident Office
U.S. Nuclear Regulatory Commission
8201 NRC Road
Steedman, MO 65077

Mr. Mahesh Chawla
Project Manager, Callaway Plant
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop O81A
Washington, DC 20555-0001

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