

July 5, 2022

ULNRC-06754

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
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 submittal of the LAR, the need to make corrections to the LAR, in regard to information designated as security sensitive, was identified. Also, the need to provide supplemental information was identified by the NRC staff, first in an e-mail dated November 4, 2021 (Reference 2) and then in a follow-up letter dated November 30, 2021 (Reference 3). A supplement to the Reference 1 LAR addressing these needs was submitted by letter dated December 1, 2021 (Reference 4).

This letter is submitted in order to respond to a request for additional information (RAI) electronically received (via e-mail) from the NRC on June 2, 2022 (Reference 5). Responses to the individual RAI requests/questions 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.

ULNRC-06754

July 5, 2022

Page 2 of 5

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: 07-05-22

Enclosure: Ameren Missouri Response to NRC RAIs

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. NRR e-mail capture, Subject: "LIC-109 Acceptance Review (Unacceptable for Review with Opportunity to Supplement) - Callaway Plant, Unit 1 - License Amendment Request - Callaway Plant, Unit 1- Adoption of Alternate Source Term and Revision of TSs - EPID L-2021-LLA-0177," dated November 4, 2021 (ADAMS Accession No. ML21308A069)
3. NRC letter, "Supplemental Information Needed for Acceptance of Requested Licensing Actions RE: License Amendment Request for Adoption of Alternate Source term and Revision of technical Specifications (EPID L-2021-LLA-0177)," transmitted via e-mail on November 30, 2021 (ADAMS Accession No. ML21319A006)
4. Ameren Missouri letter ULNRC-06696, "Supplement to License Amendment Request for Adoption of Alternative Source Term and Revision of Technical Specifications," dated December 1, 2021 (ADAMS Accession No. ML21335A452)
5. 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)

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

Index and send hardcopy to QA File A160.0761

Hardcopy:

Certrec Corporation

6500 West Freeway, Suite 400

Fort Worth, TX 76116

(Certrec receives ALL attachments as long as they are non-safeguards and may be publicly disclosed.)

Electronic distribution for the following can be made via Tech Spec ULNRC Distribution:

F. M. Diya

B. L. Cox

F. J. Bianco

D. E. Farnsworth

T. A. Witt

T. B. Elwood

R.J. Andreasen

NSRB Secretary

STARS Regulatory Affairs

Mr. Jay Silberg (Pillsbury Winthrop Shaw Pittman LLP)

Ms. Claire Eubanks (Missouri Public Service Commission)

Mr. Aaron Schmidt (DNR)