



Callaway Plant

August 12, 2019

ULNRC-06524

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

10 CFR 50.54(f)

Ladies and Gentlemen:

**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
RENEWED FACILITY OPERATING LICENSE NPF-30
RESPONSE TO MARCH 12, 2012 INFORMATION REQUEST, SEISMIC PROBABILISTIC
RISK ASSESSMENT FOR RECOMMENDATION 2.1**

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued a letter, identified as Reference 1 (in the list of references provided on page 3 of this letter), to all power reactor licensees and holders of construction permits in active or deferred status. Enclosure 1 of Reference 1 requested each addressee located in the Central and Eastern United States (CEUS) to submit a Seismic Hazard Evaluation and Screening Report. Reference 2 provided the Seismic Hazard and Screening Report for Callaway Plant. Based on the results of the screening evaluation provided in Reference 2, it was determined that Callaway Plant screens in for a required risk evaluation in the form of a Seismic PRA (SPRA), a spent fuel pool evaluation, and a high frequency confirmation (relay chatter) evaluation. Reference 3 was issued by the NRC and provided the required submittal dates for the SPRAs and remaining high frequency and spent fuel pool seismic evaluations in order for licensees to complete their responses to the March 12, 2012 request for information (Reference 1). In Reference 4, Callaway requested an extension of the submittal date for the SPRA until December 31, 2018. In Reference 5, the NRC approved the extension request for submittal of the SPRA and the corresponding seismic Mitigating Strategies Assessment (MSA). In Reference 7, Callaway requested a second extension of the submittal date for the SPRA until September 30, 2019. In Reference 8, the NRC approved the submittal extension request for the SPRA and MSA. (Subsequently, it was determined that an MSA is not required for Callaway. In addition, Ameren Missouri completed the spent fuel pool evaluation for Callaway Unit 1, as reviewed by the NRC per Reference 6).

In addition, within the due date established per Reference 8, the Callaway Plant Unit 1 SPRA Summary Report is hereby provided as Attachment 2 to this letter. The report provides the information requested in Enclosure 1, Item (8)B of Reference 1.

This letter identifies two new commitments for the Callaway Plant. Specifically, Ameren Missouri commits to implementing two plant modifications that are credited in the base model SPRA results described in the attachment to this letter. One of the modifications calls for installing anchorage to the Alternate Emergency Power Supply (AEPS) transformer (XPB05). The other modification will increase the gap between two fire sprinkler heads and fire proofing insulation in the 1974' elevation of the Control Building. These commitments are identified in Attachment 1 to this letter.

For any questions regarding this letter or its attachments, please contact Justin Hiller at 314-225-1141 or Bruce Huhmann at 573-694-6741.

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

Sincerely,

Executed on: 8/12/19



Stephanie Banker
Vice President, Engineering

Attachments:

1. List of Regulatory Commitments
2. Callaway Plant Unit 1 Seismic Probabilistic Risk Assessment in Response to 10 CFR 50.54(f) Letter with Regard to NTTF 2.1: Seismic

References:

1. NRC Letter, "Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50. 54(f) Regarding Recommendations 2.1, 2.3, and 9.3 of the Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident," dated March 12, 2012 (ML12053A340)
2. ULNRC-06102, "Ameren Missouri Seismic Hazard and Screening (CEUS Sites) Response to NRC Request for Information Pursuant to 10 CFR 50.54(f) Regarding Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident," dated March 28, 2014 (ML14090A448)
3. NRC Letter, "Final Determination of Licensee Seismic Probabilistic Risk Assessments Under the Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendation 2.1 'Seismic' of the Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident," dated October 27, 2015 (ML15194A015)
4. ULNRC-06377, "Request For Extension of Seismic Probabilistic Risk Assessment Submittal," dated June 15, 2017 (ML17166A474)
5. NRC Letter, "Callaway Plant, Unit 1 – NRC Response to Request for Extension of Seismic Probabilistic Risk Assessment Submittal," dated August 22, 2017 (ML17200D113)
6. NRC Letter, "Callaway Plant, Unit 1 – Staff Review of Spent Fuel Pool Evaluation Associated with Reevaluated Seismic Hazard Implementing Near-Term Task Force Recommendation 2.1: Seismic," dated January 23, 2018 (ML18003B419)
7. ULNRC-06469, "Request for Extension of Seismic Probabilistic Risk Assessment Submittal," dated November 14, 2018 (ML18318A059)
8. NRC Letter, "Callaway Plant, Unit 1 – Response to Request for Extension of Seismic Probabilistic Risk Assessment Submittal," dated January 10, 2019 (ML19004A400)

cc: Mr. Scott A. Morris
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