



November 21, 2019

ULNRC-06551

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
SUPPLEMENTAL INFORMATION FOR RESPONSE TO MARCH 12, 2012 INFORMATION
REQUEST, SEISMIC PROBABILISTIC RISK ASSESSMENT FOR RECOMMENDATION 2.1**

References:

1. Ameren Missouri letter ULNRC-06524, "Response to March 12, 2012 Information Request, Seismic Probabilistic Risk Assessment For Recommendation 2.1" dated August 12, 2019 (ML 19225D321)

On August 12, 2019, Ameren Missouri provided the Callaway Plant Seismic PRA Summary Report to the NRC staff per Reference 1 above. The provided report was based on the fully quantified Seismic PRA model completed in March of 2019 for the Callaway Plant.

Subsequent to submittal of the report, Ameren Missouri has continued to maintain and improve the Seismic PRA. For example, additional refinements were made to the Seismic PRA based on inspections completed during Callaway's Spring 2019 refueling outage. Due to the refinements that have been made, and as supplemental information to the Reference 1 report, a summary of all the refinements/changes and their impact to the Seismic PRA results is hereby provided as Attachment 2 to this letter.

It should also be noted that in parallel with the development of the Seismic PRA model, the software platform for the Internal Events PRA model for Callaway was converted from WinNupra to CAFTA. This conversion included a number of updates and refinements to the model. Currently, additional changes to the Seismic PRA model are in progress in order to incorporate the changes that were made to the Callaway Internal Events model. Following completion of the Seismic PRA updates to align with

the Internal Events model, a full quantification will be performed on the Seismic PRA. When that is complete, a supplement to the Seismic PRA summary report will be prepared and submitted to the NRC staff. The supplement will describe the changes made to the Seismic PRA model and its results, including any changes to contributors to seismic risk.

Ameren Missouri expects to complete the above-described work and provide the supplemental information to the NRC staff on or before March 6, 2020.

It should be noted that in Reference 1, Ameren Missouri committed to implement two modifications to the Callaway Plant. An update regarding these commitments is provided for your information in Attachment 1, wherein it is noted that the modifications have been completed.

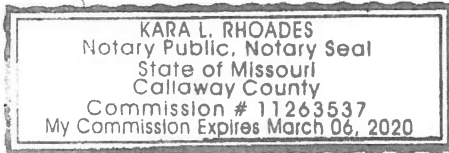
For any questions regarding this letter or its attachments, please contact Justin Hiller at 314-225-1141 or Bruce Huhmann at 573-694-6741.

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

Sincerely,

Executed on: 11/21/19

Kara L. Rhoades 11/21/19



Stephanie Banker
Vice President, Engineering

Attachments:

1. Regulatory Commitment Update
2. Callaway Energy Center Seismic Probabilistic Risk Assessment in Response to 50.54(F) Letter with Regard to NTTF 2.1 Seismic – Supplemental Information

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