



Timothy E. Herrmann, P.E.  
Site Vice President  
Ameren Missouri  
Callaway Energy Center  
T 573.619.2155  
F 573.676.4056  
therrmann@ameren.com

June 15, 2017

ULNRC-06377

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  
REQUEST FOR EXTENSION OF SEISMIC PROBABILISTIC RISK  
ASSESSMENT SUBMITTAL**

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 (ML 12053A340)
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
3. NRC Letter, "Final Determination of Licensee Seismic Probabilistic Risk Assessments Under the Request for Inspection 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)

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Reference 1 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 risk evaluation (SPRA), a spent

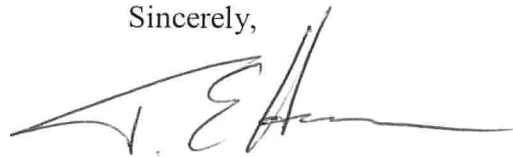
fuel pool evaluation, and a high frequency confirmation (relay chatter) evaluation. Reference 3 was issued by the NRC and provided the required submittal dates for the SPRAs and remaining seismic evaluations (high frequency and spent fuel pool) in order for licensees to complete their responses to the March 12, 2012 request for information (Reference 1). Callaway's submittal date is identified as December 31, 2017. For Callaway, the SPRA will assess the effects of high frequency exceedance on plant equipment, and is expected to be one submittal. The spent fuel pool evaluation is anticipated to be a separate submittal.

In order to complete the SPRA evaluation for the Callaway Plant, an extension of 12 months is requested, which would move the implementation date to December 31, 2018. The need for an extension was discussed with NRC staff via telephone in May 2017. As noted in that discussion, the initial results received for Callaway's SPRA are not believed to be a realistic representation of the seismic risk at the plant. Currently, focus is on identifying possible drivers for the results and performing refinements to the SPRA model. This additional time is required to fully complete seismic PRA modeling and analysis that realistically quantifies the seismic risk at Callaway Plant.

It is anticipated that the spent fuel pool evaluation will still be submitted by the required date of December 31, 2017.

This letter does not contain new commitments. If you have any questions, please contact Justin Hiller at 314-225-1141 or Bruce Huhmann at 573-694-6741.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Herrmann', with a long horizontal flourish extending to the right.

Timothy Herrmann  
Site Vice President

ULNRC-06377

June 15, 2017

Page 3

cc: Mr. Kriss M. Kennedy  
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. L. John Klos  
Project Manager, Callaway Plant  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop O8H4  
Washington, DC 20555-0001

ULNRC-06377

June 15, 2017

Page 4

**Index and send hardcopy to QA File A160.0761**

**Hardcopy:**

Certrec Corporation

6100 Western Place, Suite 1050

Fort Worth, TX 76107

(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 Responses and Reports ULNRC Distribution:**

F. M. Diya

T. E. Herrmann

B. L. Cox

S. P. Banker

R. C. Wink

T. B. Elwood

J. W. Hiller

B. E. Huhmann

Z. Li

Corporate Communications

NSRB Secretary

STARS Regulatory Affairs

Mr. Jay Silberg (Pillsbury Winthrop Shaw Pittman LLP)