



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 22, 2014

Mr. Fadi Diya
Senior Vice President and
Chief Nuclear Officer
Union Electric Company
P.O. Box 620
Fulton, MO 65251

SUBJECT: CALLAWAY PLANT, UNIT 1 – REQUEST FOR ADDITIONAL INFORMATION,
ROUND 3 RE: REVISION TO FINAL SAFETY ANALYSIS REPORT
STANDARD PLANT SECTION 3.6 FOR HIGH DENSITY POLYETHYLENE
CRACK EXCLUSION (TAC NO. MF3202)

Dear Mr. Diya:

By application dated December 6, 2013, as supplemented by letters dated September 2 and December 11, 2014, to the U.S. Nuclear Regulatory Commission (NRC), Union Electric Company (dba Ameren Missouri, the licensee) submitted a license amendment request to revise the Final Safety Analysis Report-Standard Plant (FSAR-SP) Section 3.6.2.1.2.4, "ASME [American Society of Mechanical Engineers] Section III and Non-Nuclear Piping – Moderate-Energy," to include a new pipe crack exclusion allowance at Callaway Plant, Unit 1.

The NRC staff has determined that additional information, as requested in the enclosure, is needed to complete its review. These questions were provided to Mr. T. Elwood of your staff on December 19, 2014. Please provide a response to the questions within 45 days of the date of this letter. If circumstances result in the need to revise the requested response date, please contact me at 301-415-2296 or via e-mail at Fred.Lyon@nrc.gov.

Sincerely,

A handwritten signature in black ink that reads "CF Lyon".

Carl F. Lyon, Project Manager
Plant Licensing Branch IV-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-483

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

REQUEST FOR ADDITIONAL INFORMATION

LICENSE AMENDMENT REQUEST TO REVISE FSAR-SP 3.6

UNION ELECTRIC COMPANY

CALLAWAY PLANT, UNIT 1

DOCKET NO. 50-483

By application dated December 6, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13340A775), as supplemented by letters dated September 2 and December 11, 2014 (ADAMS Accession No. ML14245A653 and ML14345B052, respectively), to the U.S. Nuclear Regulatory Commission (NRC), Union Electric Company (dba Ameren Missouri, the licensee) submitted a license amendment request to revise the Final Safety Analysis Report-Standard Plant (FSAR-SP) Section 3.6.2.1.2.4, "ASME [American Society of Mechanical Engineers] Section III and Non-Nuclear Piping – Moderate-Energy," to include a new pipe crack exclusion allowance at Callaway Plant, Unit 1.

The NRC staff has determined that the additional information requested below is needed to complete its review.

Fire Protection Branch (AFPB)-Callaway-MF3202-HDPE-RAI-9(d), Supplement 1

The NRC reviewed the information provided in the letter dated December 11, 2014. The response indicates that no insulation or fire barrier materials are used on the exposed High Density Polyethylene (HDPE) Essential Service Water pipe sections. For the Ultimate Heat Sink Penetration Room and the Yard Vault, the licensee assumes "whole room burn-up" to occur. Please provide additional information regarding the expectation of performance of the HDPE piping in these areas, given failure of unprotected HDPE material in a whole room burn-up scenario. If the HDPE piping fails, provide a technical discussion of how plant safety is assured in the event of whole room burn-up of these areas, including HDPE pipe failure of exposed HDPE piping.

Enclosure

December 22, 2014

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/RA/

Carl F. Lyon, Project Manager
Plant Licensing Branch IV-1
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*email dated

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