



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

July 12, 2013

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
CALLAWAY PLANT, UNIT 1, LICENSE RENEWAL APPLICATION, SET 25  
(TAC NO. ME7708)

Dear Mr. Heflin:

By letter dated December 15, 2011, Union Electric Company (Ameren Missouri) (the applicant) submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54) for renewal of operating license No. NPF-30 for the Callaway Plant, Unit 1 (Callaway). The staff of the U.S. Nuclear Regulatory Commission (NRC or the staff) is reviewing this application in accordance with the guidance in NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants." During its review, the staff has identified areas where additional information is needed to complete the review. The staff's requests for additional information are included in the enclosure. Further requests for additional information may be issued in the future.

Items in the enclosure were discussed with Sarah G. Kovaleski, of your staff, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me by telephone at 301-415-2946 or by e-mail at [Samuel.CuadradoDeJesus@nrc.gov](mailto:Samuel.CuadradoDeJesus@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Cuadrado de Jesús".

Samuel Cuadrado de Jesús, Project Manager  
Projects Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-483

Enclosure:  
As stated

cc: Listserv

July 12, 2013

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*/RA/*  
Samuel Cuadrado de Jesús, Project Manager  
Projects Branch 1  
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DISTRIBUTION: See next page

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| NAME   | IKing       | SCuadrado   | YDiaz-Sanabria | SCuadrado   |
| DATE   | 5/24/2013   | 7/9/2013    | 7/12/2013      | 7/12/2013   |

OFFICIAL RECORD COPY

Letter to Adam C. Heflin from S. Cuadrado de Jesus dated July 12, 2013

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SCuadrado

FLyon

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DMorey

BMizuno (OGC)

DCylkowski (OGC)

LSubin (OGC)

GPick (RIV)

CALLAWAY PLANT, UNIT 1

LICENSE RENEWAL APPLICATION

REQUEST FOR ADDITIONAL INFORMATION, SET 25

**RAI B2.1.20-2**

Background:

License renewal application (LRA) Section B2.1.20 stated that there were 19 Class 1 small-bore socket welds in the population of American Society of Mechanical Engineers (ASME) Code Class 1 piping less than 4 inches and greater than or equal to 1-inch nominal pipe size. During the staff audit of the aging management programs (AMPs) the applicant stated that a recount, subsequent to its December 15, 2011, LRA submission, indicated that there were 23 Class 1 small-bore socket welds within the scope of the One-Time Inspection of ASME Code Class 1 Small-Bore Piping Program. By letter dated July 18, 2012, the staff issued request for additional information (RAI) B2.1.20-1 requesting that the applicant verify the total population of ASME Code Class 1 socket welds within the scope of the AMP. In its response dated August 21, 2012, the applicant stated that there are 77 small-bore socket welds in the scope of the AMP. In a telephone conference call held on April 11, 2013, the staff requested additional clarification from the applicant to explain the reasons for the large discrepancy between the different counting results for the number of socket welds, and whether any errors in the counting process have been corrected.

Issue:

By letter dated April 15, 2013, the applicant supplemented its response to RAI B2.1.20-1. The supplemental response provided an explanation of how the error counting the number of socket welds occurred. In its response the applicant stated that the list of socket welds was developed from its Inservice Inspection (ISI) database, using the fields for ASME Category and Item Number. The applicant also stated the error occurred because some small-bore socket welds are exempt from ASME Section XI ISI volumetric and surface examinations and therefore, were never assigned any category and Item Numbers. The staff noted that a similar error could have also occurred when counting in-scope items for other AMPs in the LRA.

Request:

State whether the issue was entered in the Corrective Action Program, and provide the basis to justify that there is adequate assurance that other programs within the LRA are not subject to similar errors or omissions. Otherwise justify why a similar error could not, and did not occur elsewhere in the LRA.

ENCLOSURE