

October 10, 2006

Mr. Charles D. Naslund  
Senior Vice President and  
Chief Nuclear Officer  
Union Electric Company  
Post Office Box 620  
Fulton, MO 65251

SUBJECT: CALLAWAY PLANT, UNIT 1 - CLOSEOUT OF RESPONSE TO GENERIC LETTER 2006-03, "POTENTIALLY NONCONFORMING HEMYC AND MT FIRE BARRIER CONFIGURATIONS" (TAC NO. MD1559)

Dear Mr. Naslund:

By letter dated June 1, 2006 (ULNRC-05294), as supplemented by the letter dated July 17, 2006 (ULNRC-05310), the Union Electric Company (the licensee) responded to Generic Letter (GL) 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations," for the Callaway Plant, Unit 1 (Callaway). Under oath or affirmation, the licensee stated that it does not use either the Hemyc or MT fire barrier system for fire barrier separation of redundant post-fire safe shutdown trains. Instead, Darmatt KM-1 is used for raceway fire barrier protection for these trains. It is also stated that this fire protection material meets Title 10 of the *Code of Federal Regulations*, Part 50, Appendix R, Section III.G requirements and have been installed consistent with industry fire testing, with deviations from the tested configurations evaluated in accordance with GL 86-10, Supplement 1, "Fire Endurance Test Acceptance Criteria for Fire Barrier Systems Used to Separate Redundant Safe Shutdown Trains Within the Same Fire Area," dated March 25, 1994. This evaluation is to assure that the installed fire barrier systems provide the required level of fire protection. The fire-rated enclosures are inspected by the licensee every 18 months to ensure the ongoing integrity of the fire barriers.

Based on the letters dated June 1 and July 17, 2006, the U.S. Nuclear Regulatory Commission (NRC) staff concludes that the fire barrier systems at Callaway that separate redundant safe shutdown trains located within the same fire area have been designed and installed in accordance with current NRC guidance. Therefore, the letters, which are the basis that the other fire barriers have been designed and installed in accordance with NRC guidance, should be maintained on site, and will be subject to inspection during the normal NRC inspection process.

C. D. Naslund

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This letter closes out the NRC staff review of the GL 2006-03 response for Callaway. If you have any questions regarding this letter, contact me at 301-415-1307.

Sincerely,

**/RA/**

Jack Donohew, Senior Project Manager  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-483

cc: See next page

C. D. Naslund

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Sincerely,

**/RA/**

Jack Donohew, Senior Project Manager  
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