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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 EAST LAMAR BLVD  
ARLINGTON, TEXAS 76011-4511

October 5, 2012

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

SUBJECT: CALLAWAY PLANT - NRC MATERIAL CONTROL AND ACCOUNTING  
PROGRAM INSPECTION REPORT 05000483/2012405

Dear Mr. Heflin:

On August 30, 2012, the U.S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your Callaway Plant. The inspection covered a key attribute of the Security Cornerstone of the NRC's Reactor Oversight Process, Material Control and Accounting of Special Nuclear Material. The enclosed inspection report documents the inspection results, which were discussed on August 30, 2012, with Mr. L. Graessle, Director of Plant Support, and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

However, the material enclosed herewith contains security-related information in accordance with 10 CFR 2.390(d)(1) and its disclosure to unauthorized individuals could present a security vulnerability. Therefore, the material in the enclosure will not be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

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If security-related information is necessary to provide an acceptable response, please mark your entire response security-related information in accordance with 10 CFR 2.390(d)(1) and follow the instructions for withholding in 10 CFR 2.390(b)(1). In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response.

Sincerely,

*/RA/ Louis Carson II for*

James F. Drake, Acting Chief  
Plant Support Branch 2  
Division of Reactor Safety

Docket Nos.: 50-483  
License Nos.: NPF-30

Nonpublic Enclosure:  
NRC Inspection Report 05000483/2012405  
w/attachments:  
1. Supplemental Information  
2. Information Request for Inspection Activities  
Documented in IP 71130.11

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Electronic Distribution to Callaway (Cover letter only)

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