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

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CALLAWAY PLANT
(REPORT 0500483/2014006)

Dear Mr. Diya:

On August 12, 2014, the NRC completed its mid-cycle performance review of Callaway Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2013, through June 30, 2014. This letter informs you of the NRC’s assessment of Callaway Plant during this period and its plans for future inspections at your facility.

The NRC determined that overall, Callaway Plant was operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Callaway Plant during the most recent quarter was within the Licensee Response Column of the NRC’s Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should...
circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, “Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events,” which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, “Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation,” which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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 document system (ADAMS). ADAMS is accessible from the NRC Web site at [http://www.nrc.gov/reading-rm/adams.html](http://www.nrc.gov/reading-rm/adams.html) (the Public Electronic Reading Room).

Please contact me at 817-200-1141 with any questions you have regarding this letter.

Sincerely,

/RA/

Neil F. O'Keefe, Chief
Project Branch B
Division of Reactor Projects

Docket No.: 50-483
License No.: NPF-30

Enclosure: Callaway Plant Inspection/ Activity Plan
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DISTRIBUTION: See next page

ADAMS ACCESSION NUMBER: ML14239A604
Letter to Fadi Diya from Neil F. O'Keefe dated September 2, 2014

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CALLAWAY PLANT
(REPORT 05000483/2014006)

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Electronic Distribution for Callaway Plant
# Inspection / Activity Plan

**Callaway**

**09/01/2014 - 12/31/2015**

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<tr>
<th>Unit Number</th>
<th>Planned Dates</th>
<th>Inspection Activity</th>
<th>Title</th>
<th>No. of Staff on Site</th>
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*This report does not include INPO and OUTAGE activities.*

*This report shows only on-site and announced inspection procedures.*

- X02535: INITIAL EXAM-CALLAWAY (02/01/2015)
- IP 60855.1: Operation of an Independent Spent Fuel Storage Installation at Operating Plants
- IP 71124.01: Radiological Hazard Assessment and Exposure Controls
- IP 71124.03: In-Plant Airborne Radioactivity Control and Mitigation
- IP 71151-PR01: Problem Identification and Resolution
- IP 711108P: Inservice Inspection Activities - PWR
- IP 711124.01: Radiological Hazard Assessment and Exposure Controls
- IP 711124.03: In-Plant Airborne Radioactivity Control and Mitigation
- IP 71151-OR01: In-Plant Airborne Radioactivity Control and Mitigation
- IP 71151-EP01: Problem Identification and Resolution
- IP 71151-EP02: Problem Identification and Resolution
- IP 71151-EP03: Problem Identification and Resolution
- IP 71151-EP01: Problem Identification and Resolution
- IP 71151-EP02: Problem Identification and Resolution
- IP 71151-EP03: Problem Identification and Resolution
- IP 711105x: Fire Protection - NFPA 805 (Triennial)
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- IP 711104: Emergency Action Level and Emergency Plan Changes
- IP 711111B: Licensed Operator Requalification Program
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