



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

September 3, 2013

Mr. Adam C. Heflin  
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 05000483/2013006)

Dear Mr. Heflin:

On August 13, 2013, 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, 2012, through June 30, 2013. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. 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 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> (the Public Electronic Reading Room).

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

Sincerely,

***/RA/***

Neil 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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RIV:BC/B	RIV:DRS/D	RIV:DRP/DD	RIV: DRP/D		
NOKeefe	TBlount	TPruett	KKennedy		
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8/28/13	8/28/13	8/28/13	8/29/13		

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Callaway

Inspection / Activity Plan  
 09/01/2013 - 12/31/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	11/03/2014	11/07/2014	EXAM - INITIAL OPERATOR EXAM	INITIAL EXAM-CALLAWAY (02/01/2015)	4
1	12/08/2014	12/12/2014	X02535	INITIAL EXAM-CALLAWAY (02/01/2015)	
1	09/23/2013	09/27/2013	EP-3 - EP PERFORMANCE INDICATORS	Drill/Exercise Performance	1
1	09/23/2013	09/27/2013	IP 71151-EP01	ERO Drill Participation	
1	09/23/2013	09/27/2013	IP 71151-EP02	Alert & Notification System	
1	09/23/2013	09/27/2013	IP 71151-EP03		
1	09/23/2013	09/27/2013	EP1 - BIENNIAL EXERCISE INSPECTION	Exercise Evaluation	4
1	09/30/2013	10/04/2013	EB1-07T - TRIENNIAL HEAT SINK INSPECTION	Heat Sink Performance	1
1	09/30/2013	10/11/2013	EB1-17T - TRIENNIAL PERM PLANT MODS & 50.59	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	5
1	04/14/2014	04/18/2014	EB1-21T - COMPONENT DESIGN BASIS INSPECTION	Component Design Bases Inspection	5
1	04/28/2014	05/02/2014	IP 7111121	Component Design Bases Inspection	
1	05/12/2014	05/16/2014	IP 7111121	Component Design Bases Inspection	
1	05/01/2014	06/30/2014	ISFSI - PAD POUR INSPECTION (MULTIPLE VISITS)	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	1
1	07/07/2014	07/11/2014	TSB 52B - BIENNIAL PI&R	Problem Identification and Resolution	4
1	07/21/2014	07/25/2014	IP 71152B	Problem Identification and Resolution	
1	08/25/2014	08/29/2014	RS24 - RADIATION SAFETY	Occupational ALARA Planning and Controls	2
1	10/13/2014	10/24/2014	71111.08 - CALLAWAY INSERVICE INSPECTION	Occupational Dose Assessment	1
1	10/20/2014	10/24/2014	IP 7111108P	Inservice Inspection Activities - PWR	
1	10/20/2014	10/24/2014	EP-1 - EP PERFORMANCE INDICATORS	Drill/Exercise Performance	1
1	10/20/2014	10/24/2014	IP 71151-EP01	ERO Drill Participation	
1	10/20/2014	10/24/2014	IP 71151-EP02	Alert & Notification System	
1	10/20/2014	10/24/2014	IP 71151-EP03		
1	10/20/2014	10/24/2014	EP-2 - EP PROGRAM INSPECTION	Alert and Notification System Testing	1
1	10/20/2014	10/24/2014	IP 7111402	Emergency Preparedness Organization Staffing and Augmentation System	

This report does not include INPO and OUTAGE activities.  
 This report shows only on-site and announced inspection procedures.

Callaway  
 Inspection / Activity Plan  
 09/01/2013 - 12/31/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	10/20/2014	10/24/2014	EP-2 IP 7111405	- EP PROGRAM INSPECTION Correction of Emergency Preparedness Weaknesses and Deficiencies	1
1	10/27/2014	10/31/2014	RS13 IP 71124.01	- RADIATION SAFETY Radiological Hazard Assessment and Exposure Controls	2
1	10/27/2014	10/31/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/27/2014	10/31/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/27/2014	10/31/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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