



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

March 4, 2013

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CALLAWAY PLANT  
(REPORT 05000483/2012801)

Dear Mr. Heflin:

On February 12, 2013, the NRC completed its end-of-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 January 1, 2012, through December 31, 2012. 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 that overall, Callaway Plant 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.

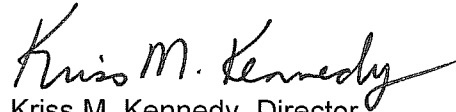
Callaway Plant was in the Regulatory Response Column for first two quarters of 2012 based on a greater-than-Green Security finding. A Security Follow-up Assessment Letter was issued on July 21, 2012, transitioning Callaway back to the Licensee Response Column effective June 30, 2012. This decision was made based on your successful completion of a supplemental inspection conducted on April 27, 2012, (ML 12158A275) which identified no findings.

The enclosed inspection plan lists the inspections scheduled through June 30, 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 mid-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,

A handwritten signature in black ink, reading "Kriss M. Kennedy". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Kriss M. Kennedy, Director  
Division of Reactor Projects

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

Enclosure:  
Callaway Plant Inspection/Activity Plan

## Callaway

## Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
1	03/18/2013	03/23/2013	<b>EXAM - INITIAL OPERATOR EXAM</b>		5
			X02500	INITIAL EXAM CALLAWAY (04/01/2012)	
1	01/01/2013	06/30/2013	<b>2515/182 - UNDERGROUND PIPING PHASE 1</b>		2
			IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
1	01/01/2013	12/31/2013	<b>2515/187 - FLOODING WALKDOWNS</b>		3
			IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
1	01/01/2013	12/31/2013	<b>2515/188 - SEISMIC WALKDOWNS</b>		2
			IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	
1	04/08/2013	04/19/2013	<b>PSB2-ISI - INSERVICE INSPECTION</b>		1
			IP 7111108P	Inservice Inspection Activities - PWR	
1	04/15/2013	04/19/2013	<b>PSB2-RP - RADIATION PROTECTION</b>		3
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/15/2013	04/19/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/15/2013	04/19/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/15/2013	04/19/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1	06/24/2013	06/28/2013	<b>INSP - LICENSED OPERATOR REQUAL INSP</b>		3
			IP 7111111B	Licensed Operator Requalification Program	
1	08/19/2013	08/23/2013	<b>PSB2-RP - RADIATION SAFETY</b>		4
			IP 71124.05	Radiation Monitoring Instrumentation	
1	08/19/2013	08/23/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/19/2013	08/23/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1	08/19/2013	08/23/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	09/23/2013	09/27/2013	<b>EP-3 - EP PERFORMANCE INDICATORS</b>		1
			IP 71151-EP01	Drill/Exercise Performance	
1	09/23/2013	09/27/2013	IP 71151-EP02	ERO Drill Participation	
1	09/23/2013	09/27/2013	IP 71151-EP03	Alert & Notification System	
1	09/23/2013	09/27/2013	<b>EP1 - BIENNIAL EXERCISE INSPECTION</b>		5
			IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1	09/30/2013	10/04/2013	<b>EB1-07T - TRIENNIAL HEAT SINK INSPECTION</b>		1
			IP 7111107T	Heat Sink Performance	
1	09/30/2013	10/11/2013	<b>EB1-17T - TRIENNIAL PERM PLANT MODS &amp; 50.59</b>		5
			IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

This report does not include INPO and OUTAGE activities.

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

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>EB1-21T - COMPONENT DESIGN BASIS INSPECTION</b>		5
1	04/14/2014	04/18/2014	IP 7111121	Component Design Bases Inspection	
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	
			<b>TSB 52B - BIENNIAL PI&amp;R</b>		4
1	06/23/2014	06/27/2014	IP 71152B	Problem Identification and Resolution	