



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

March 4, 2015

Mr. Fadi Diya, 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 0500483/2014001)**

Dear Mr. Diya:

On February 17, 2015, the Nuclear Regulatory Commission (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, 2014, through December 31, 2014. 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.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. 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.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to the site achieving compliance with the Orders, and will aid staff in

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development of a Safety Evaluation for the site. The onsite component at your site will be the week of January 25, 2016. 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> (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

Callaway
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISFSI - DRY RUN INSPECTION (MULTIPLE VISITS)		1
1	03/01/2015	06/01/2015	IP 60855	Operation Of An ISFSI	
			EB2-05T - TRIENNIAL FIRE PROTECTION INSPECTION		5
1	04/27/2015	05/01/2015	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1	05/11/2015	05/15/2015	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
			EP-2 - HAB EXERCISE INSPECTION		5
1	05/04/2015	05/08/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	05/04/2015	05/08/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			EP-3 - EP PERFORMANCE INDICATORS		2
1	05/04/2015	05/08/2015	IP 71151-EP01	Drill/Exercise Performance	
1	05/04/2015	05/08/2015	IP 71151-EP02	ERO Readiness	
1	05/04/2015	05/08/2015	IP 71151-EP03	Alert & Notification System Reliability	
			INSP - OPERATOR REQUAL INSPECTION		3
1	06/15/2015	06/19/2015	IP 7111111B	Licensed Operator Requalification Program	
			RS 5678 - RADIATION SAFETY - TEAM		4
1	07/13/2015	07/17/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	07/13/2015	07/17/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/13/2015	07/17/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1	07/13/2015	07/17/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			RS 12 PI - RADIATION SAFETY		2
1	10/26/2015	10/30/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/26/2015	10/30/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/26/2015	10/30/2015	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/26/2015	10/30/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			EXAMS - INITIAL OPERATOR EXAM		4
1	05/02/2016	05/06/2016	X02571	INITIAL EXAM CALLOWAY (05/2016)	
1	05/23/2016	05/27/2016	X02571	INITIAL EXAM CALLOWAY (05/2016)	
			71111.08 - INSERVICE INSPECTION RF21		1
1	03/30/2016	04/10/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			RS 13 PI - RADIATION SAFETY		2
1	04/04/2016	04/08/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/04/2016	04/08/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/04/2016	04/08/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/04/2016	04/08/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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

Callaway
Inspection / Activity Plan
03/01/2015 - 06/30/2016

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
TSB 52B - BIENNIAL PI&R INSPECTION					4
1	04/18/2016	04/22/2016	IP 71152B	Problem Identification and Resolution	
1	05/02/2016	05/06/2016	IP 71152B	Problem Identification and Resolution	
EB1-17T - CWY PERM PLANT MODS & 50.59 INSPECTION					1
1	06/13/2016	06/27/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	

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DISTRIBUTION:
See next page

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<input checked="" type="checkbox"/> SUNSI Review By: NFO	ADAMS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Sensitive <input checked="" type="checkbox"/> Non-Sensitive	<input type="checkbox"/> Non-Publicly Available <input checked="" type="checkbox"/> Publicly Available	Keyword RGN-002
OFFICE	DRP B/BC	DRS/DIR		DRP/DIR
NAME	NO'Keefe: tk	AVegel		TPruett
SIGNATURE	/RA/	/RA/		/RA/
DATE	2/26/15	2/26/15		2/27/15

OFFICIAL RECORD COPY

Letter to Fadi Diya from Neil F. O'Keefe, dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CALLAWAY PLANT
(REPORT 05000483/2014001)

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