



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
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September 1, 2009

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

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
CALLAWAY PLANT

Dear Mr. Heflin:

On August 4, 2009, the NRC staff completed its performance review of Callaway Plant for the first half of the calendar year 2009 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security-Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Callaway Plant was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process baseline inspections at your facility.

The staff identified that there were four Green findings for the current 12-month assessment period with documented crosscutting aspects in the human performance area. There is a crosscutting theme associated with these findings that involves the failure to communicate or use human error prevention techniques, for example, prejob briefs [H.4 (a)]. In evaluating your scope of efforts and progress in addressing this crosscutting theme, the staff determined that you appropriately recognized this crosscutting theme and took actions to address it. The corrective actions which have been implemented are judged, at this time, to be effective in mitigating this crosscutting theme. We will continue to monitor the effectiveness of your corrective actions during the next assessment period.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2010. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review. We are also evaluating potential changes to the

inspection program in the radiation safety cornerstone. Consequently, some specific inspection procedures and the inspection schedule may be revised for 2010.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8141 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Vincent Gaddy, Chief  
Reactor Projects Branch B  
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Docket No. 50-483  
License Nos. NPF-30

Enclosure:  
Callaway Plant Inspection/ Activity Plan

cc w/Enclosure:

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File located: R:\\_EOC and Midcycle\Midcycle Assessment Letters\CW.doc

SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	V66
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	1/6/09
RIV/SPE/DRP/PBB	C:DRP/PBB	D:DRS	D:DRP		
RWDDeese	VGGaddy	RJCaniano	DDChamberlain		
(LMD)	V66				
8/17/09	8/17/09	8/18/09	8/24/09		

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Callaway  
Inspection / Activity Plan  
09/01/2009 - 12/31/2010

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	06/10/2009 10/01/2009	<b>SPECIAL - SPECIAL INSPECTION - AFW</b> IP 93812	Special Inspection	3
1	08/31/2009 09/04/2009	<b>REQVAL - BIENNIAL REQVAL</b> IP 7111111B	Licensed Operator Requalification Program	3
1	10/19/2009 10/23/2009	<b>EP1 - EP EXERCISE INSPECTION</b> IP 7111401	Exercise Evaluation	3
1	10/19/2009 10/23/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	10/19/2009 10/23/2009	IP 71151	Performance Indicator Verification	
1	05/24/2010 05/28/2010	<b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b> IP 7111402	Alert and Notification System Testing	1
1	05/24/2010 05/28/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
1	05/24/2010 05/28/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	05/24/2010 05/28/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	05/24/2010 05/28/2010	IP 71151-EP01	Drill/Exercise Performance	
1	05/24/2010 05/28/2010	IP 71151-EP02	ERO Drill Participation	
1	05/24/2010 05/28/2010	IP 71151-EP03	Alert & Notification System	
1	04/19/2010 04/23/2010	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b> IP 7112101	Access Control to Radiologically Significant Areas	2
1	04/19/2010 04/23/2010	IP 7112102	ALARA Planning and Controls	
1	04/19/2010 04/23/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/19/2010 04/23/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1	04/26/2010 05/07/2010	<b>EB1-08P - INSERVICE INSPECTION</b> IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	2
1	04/26/2010 05/07/2010	IP 711108P	Inservice Inspection Activities - PWR	
1	05/10/2010 05/14/2010	<b>EB2-07T - TRIENNIAL HEAT SINK PERFORMANCE</b> IP 711107T	Heat Sink Performance	1
1	06/14/2010 06/25/2010	<b>EB1-17T - 50.59 AND MODS</b> IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1	07/12/2010 07/16/2010	<b>RP-ORS2 - OCCUPATION RADIATION SAFETY-ALARA</b> IP 7112101	Access Control to Radiologically Significant Areas	1
1	07/12/2010 07/16/2010	IP 7112102	ALARA Planning and Controls	
1	07/12/2010 07/16/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	07/12/2010 07/16/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1	10/18/2010 10/22/2010	<b>PSB2-52B - BIENNIAL P&amp;R</b> IP 71152B	Identification and Resolution of Problems	4

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

Callaway  
Inspection / Activity Plan  
09/01/2009 - 12/31/2010

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	11/01/2010 11/05/2010	PSB2-52B - BIENNIAL PI&R IP 71152B	Identification and Resolution of Problems	4

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