UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
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March 3, 2008

Charles D. Naslund, Senior Vice
President and Chief Nuclear Officer
AmerenUE
P.O. Box 620
Fulton, MO 65251

SUBJECT: ANNUAL ASSESSMENT LETTER – CALLAWAY PLANT
(NRC INSPECTION REPORT 05000483/2008001)

Dear Mr. Naslund:

On February 5, 2008, the NRC staff completed its performance review of the Callaway Plant. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. 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.

Overall Callaway Plant operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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.

In our annual performance assessment letter dated March 2, 2007, a substantive crosscutting issue in the area of problem identification and resolution was identified based on a number of findings involving the aspect associated with the failure of plant personnel to thoroughly evaluate problems. In our midcycle performance letter dated August 31, 2007, we acknowledged that you had made progress in addressing this issue. However, the substantive crosscutting issue remained open because not all your planned corrective actions had been implemented. During this assessment period, we noted that the effectiveness of your corrective actions appeared adequate to address this issue as demonstrated by a reduction in the number of findings identified that involved inadequate problem evaluation. Based on this observed improvement, the staff no longer has a concern with the scope of your progress in the crosscutting area of problem identification and resolution because the range of corrective actions and observable trends indicate you have effectively addressed the crosscutting theme associated with these findings. On the basis of improved performance involving problem evaluation, the NRC is closing this substantive crosscutting issue.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2009. In addition to the baseline program, we plan to complete Temporary Instruction 2515/166, "Pressurized Water Reactor Containment Sump Blockage," and Temporary Instruction 2515/150, "Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles." 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 midcycle review.

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 this 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 G. Gaddy

Vincent G. Gaddy, Chief
Reactor Projects Branch B
Division of Reactor Projects

Docket: 50-483
License: NPF-30

Enclosure:
Callaway Inspection/ Activity Plan

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Callaway
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB2-52B	**- BIENNIAL PI&R INSPECTION**	**5**			
1	IP 71152	Identification and Resolution of Problems		03/10/2008	03/14/2008	Baseline Inspections
	EB1TI166	**- TI-166 CLOSEOUT**	**1**			
1	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		03/18/2008	03/20/2008	Safety Issues
	RP-ORS1	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/21/2008	04/25/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/21/2008	04/25/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		04/21/2008	04/25/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		04/21/2008	04/25/2008	Baseline Inspections
	EB1-21T	**- CDBI**	**7**			
1	IP 7111121	Component Design Bases Inspection		07/28/2008	08/01/2008	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		08/11/2008	08/22/2008	Baseline Inspections
	EP2	**- EP PROGRAM**	**1**			
1	IP 7111402	Alert and Notification System Testing		08/25/2008	08/29/2008	EP Baseline Inspection
1	IP 7111403	Emergency Response Organization Augmentation Testing		08/25/2008	08/29/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/25/2008	08/29/2008	EP Baseline Inspection
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/25/2008	08/29/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		08/25/2008	08/29/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		08/25/2008	08/29/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		08/25/2008	08/29/2008	Baseline Inspections
	EB1-08	**- INSERVICE INSPECTION ACTIVITIES**	**2**			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/20/2008	10/31/2008	Baseline Inspections
	RP-ORS2	**- OCCUPATIONAL RADIATION SAFETY-ACCESS**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/20/2008	10/24/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/20/2008	10/24/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		10/20/2008	10/24/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		10/20/2008	10/24/2008	Baseline Inspections
	RP-ORS3	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/27/2008	10/31/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/27/2008	10/31/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		10/27/2008	10/31/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		10/27/2008	10/31/2008	Baseline Inspections
	EB2-05T	**- TRIENNIAL FIRE PROTECTION**	**4**			
1	IP 7111105T	Fire Protection [Triennial]		02/02/2009	02/06/2009	Baseline Inspections

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

Callaway
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB2-05T	**- TRIENNIAL FIRE PROTECTION**	**4**			
1	IP 7111105T	Fire Protection [Triennial]		02/23/2009	02/27/2009	Baseline Inspections
	RP-ORS4	**- OCCUPATIONAL RADIATION SAFETY - ACCESS**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/09/2009	03/13/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/09/2009	03/13/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/09/2009	03/13/2009	Baseline Inspections
	RP-ORS5	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/01/2009	06/05/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/01/2009	06/05/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/01/2009	06/05/2009	Baseline Inspections
	EXAM	**- INTIAL EXAM**	**4**			
1	X02374	CALLOWAY NUCLEAR-INITIAL EXAM (08/2008)		06/08/2009	06/12/2009	Not Applicable
	RPTEAM	**- RADIATION SAFETY TEAM INSPECTION**	**9**			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/22/2009	06/26/2009	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/22/2009	06/26/2009	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		06/22/2009	06/26/2009	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		06/22/2009	06/26/2009	Baseline Inspections

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

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SUNSI Review Completed: VGG ADAMS: √ Yes □ No Initials: VGG
√ Publicly Available □ Non-Publicly Available □ Sensitive √ Non-Sensitive
R:_Reactors\EOC and Midcycle\EOC Assessment Letters\2007 - dated 3-2-8\CWY.doc

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/RA/	*/RA/*	*/RA/*	
02/25/2008	02/25/2008	02/28/2008	

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