



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005**

August 26, 2002

Garry L. Randolph, Senior Vice
President and Chief Nuclear Officer
Union Electric Company
P.O. Box 620
Fulton, Missouri 65251

**SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
CALLAWAY PLANT**

Dear Mr. Randolph:

On August 1, 2002, the NRC staff completed its midcycle plant performance assessment of Callaway Plant. In accordance with NRC Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," the midcycle review involved the participation of all technical divisions in evaluating the performance of your Callaway Plant facility for the first half of the current assessment cycle, January 1 through December 31, 2002. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix, based on one finding of low to moderate risk significance (White) in the Mitigating Systems Cornerstone. This finding involved the failure to promptly identify and correct a significant condition adverse to quality, foreign material in the auxiliary feedwater system and condensate storage tank, which resulted in the failure of an auxiliary feedwater pump on December 3, 2001. A supplemental inspection utilizing Inspection Procedure 95002, "Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area," is scheduled to be performed during the week of August 19, 2002, to assess the adequacy of your evaluation, and to review the corrective actions you have taken for this risk-significant performance issue.

While plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix, plant performance had been in the Degraded Cornerstone column of the NRC's Action Matrix during the first quarter of 2002 as a result of the White finding discussed above and a second, previously identified, White finding in the Mitigating Systems Cornerstone regarding an essential service water pump which was inoperable for approximately 132 hours. A supplemental inspection was completed for this issue in March 2002. During that inspection, we concluded that your staff had performed a thorough evaluation of the causes of the inoperable essential service water pump and correctly identified the extent of the condition. We also determined that appropriate corrective actions were identified by your staff to address the root causes.

Additionally, we have identified a substantive crosscutting issue in the area of Problem Identification and Resolution. Over the course of this assessment period (January through June 2002), the inspectors identified a number of examples that were indicative of problem identification and resolution deficiencies. Specifically: (1) your staff failed to take adequate corrective actions to repair, and prevent recurrence of, a deficiency associated with an emergency diesel generator overspeed trip switch; (2) your staff failed to address a flow anomaly condition in auxiliary feedwater Train B that had existed between February 2000 and March 2001; (3) your staff failed to take corrective action to correct abnormally high vibration on both motor-driven auxiliary feedwater pumps; and (4) your staff failed to identify and correct a significant condition adverse to quality involving foreign material in the condensate storage tank. A separate finding associated with this issue was identified regarding your staff's performance associated with missed opportunities to identify and correct the degraded condensate storage tank cover. In addition to the above-listed items, the following problem identification and resolution issues were identified: (1) a previously identified condition, associated with auxiliary feedwater minimum discharge pressure and recirculation flow, had not been corrected; and (2) your staff failed to take corrective action to ensure flood doors leading into the emergency core cooling system pump rooms were properly controlled. This crosscutting issue will be reviewed during the Problem Identification and Resolution inspection scheduled to be conducted in December 2002 as part of the baseline inspection program.

The enclosed inspection plan details the inspections scheduled through September 30, 2003, and includes Temporary Instruction 2515/145, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulletin 2001-01)". The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The last 6 months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In addition, the NRC is in the process of finalizing a Temporary Instruction (TI) that will be used to review implementation of the Interim Compensatory Measures required by the Agency's Security Order to all commercial nuclear power plants dated February 25, 2002. Schedules have not yet been finalized, but it is anticipated that these inspections will begin within the next calendar quarter. Once finalized, the details will be communicated by separate correspondence.

In accordance with 10 CFR 2.790 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,

/RA/

Ellis W. Merschoff,
Regional Administrator

Docket: 50-483
License: NPF-30

Enclosure:
Callaway Plant Inspection/Activity Plan

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RIV:C:DRP/B	D:DRS	D:DRP	DRA	RA
DNGGraves;df	EECollins	KEBrockman	TPGwynn	EWMerschhoff
/RA/	DAPowers for	NMamish	not available	/RA/
8/9/02	8/15/02	8/21/02	8/ /02	8/22/02

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T=Telephone

E=E-mail

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Callaway
Inspection / Activity Plan
08/18/2002 - 09/30/2003

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	95002 AU - 95002 AUXILLIARY FEEDWATER INSPECTION		4			
1	IP 95002	Inspection For One Degraded Cornerstone Or Any Three White Inputs In A Strategic Perform		08/19/2002	08/23/2002	Supplemental Progra
	ACCESSPI - ACRSA AND PIV		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/21/2002	10/25/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/21/2002	10/25/2002	Baseline Inspections
	EMB - ISI/SG		2			
1	IP 7111108	Inservice Inspection Activities		10/28/2002	11/07/2002	Baseline Inspections
	EMB - ISI		1			
1	IP 7111108	Inservice Inspection Activities		11/04/2002	11/08/2002	Baseline Inspections
	TI 145 - TI 2515/145		2			
1	IP 2515/145	Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulle		11/18/2002	11/22/2002	Safety Issues
	PSB-S1 - ACCESS AUTH/CONTROL, SEC PLAN AND PIV		1			
1	IP 7113001	Access Authorization Program (Behavior Observation Only)		12/02/2002	12/06/2002	Baseline Inspections
1	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizat		12/02/2002	12/06/2002	Baseline Inspections
1	IP 7113004	Security Plan Changes		12/02/2002	12/06/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		12/02/2002	12/06/2002	Baseline Inspections
	PBB-PIR - CW PIR INSPECTION		4			
1	IP 71152B	Identification and Resolution of Problems		12/02/2002	12/13/2002	Baseline Inspections
	ALARA2 - ALARA PLANNING AND CONTROLS		1			
1	IP 7112102	ALARA Planning and Controls		01/27/2003	01/31/2003	Baseline Inspections
	PSB-EP1 - EP EXERCISE BASELINE INSPECTION		2			
1	IP 7111401	Exercise Evaluation		04/15/2003	04/16/2003	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/15/2003	04/16/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/15/2003	04/16/2003	Baseline Inspections
	RP-TM - RAD SAFETY TEAM		4			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/19/2003	05/23/2003	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		05/19/2003	05/23/2003	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		05/19/2003	05/23/2003	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		05/19/2003	05/23/2003	Baseline Inspections
	EMB - HEAT SINKS		1			
1	IP 7111107B	Heat Sink Performance		06/16/2003	06/20/2003	Baseline Inspections
	ALARA3 - ALARA PLANNING AND CONTROLS		1			
1	IP 7112102	ALARA Planning and Controls		07/21/2003	07/25/2003	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
08/18/2002 - 09/30/2003

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
ACCESSPI - ACRSA/PI			1			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/28/2003	08/01/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/28/2003	08/01/2003	Baseline Inspections
EMB - BIENNIAL MR & PERM MODS			4			
1	IP 7111112B	Maintenance Effectiveness		08/18/2003	08/22/2003	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		08/18/2003	08/22/2003	Baseline Inspections
OB-RQ - REQUAL INSPECTION			3			
1	IP 7111111B	Licensed Operator Requalification		09/08/2003	09/12/2003	Baseline Inspections
711105T - TRIENNIAL FP			5			
1	IP 7111105T	Fire Protection		09/02/2003	09/05/2003	Baseline Inspections
1	IP 7111105T	Fire Protection		09/15/2003	09/19/2003	Baseline Inspections
1	IP 7111105T	Fire Protection		09/15/2003	09/19/2003	Baseline Inspections