



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

March 2, 2006

R. T. Ridenoure  
Vice President  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
P.O. Box 550  
Fort Calhoun, NE 68023-0550

SUBJECT: ANNUAL ASSESSMENT LETTER - FORT CALHOUN STATION (NRC  
INSPECTION REPORT 05000285/2006001)

Dear Mr. Ridenoure:

On February 8, 2006, the NRC staff completed its performance review of Fort Calhoun Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. 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 physical protection information. A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the physical protection review and resultant inspection plan.

Overall, Fort Calhoun Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. 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 safety significance (White) in the Mitigating Systems Cornerstone involving an emergency diesel generator. This finding also resulted in the Emergency AC Power System Unavailability PI being White for the first two quarters of 2005. A supplemental inspection was conducted in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area," and was completed in June 2005. That inspection concluded that your staff had performed a comprehensive evaluation of the circumstances related to the emergency diesel generator failure and appropriate corrective actions were taken to address the root and contributing causes associated with the failure.

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through September 30, 2007. In addition to the baseline inspection program, we also plan to conduct Inspection Procedure 50001, "Steam Generator Replacement Inspections;" Inspection Procedure 50003, "Pressurizer Replacement Inspection;" and Inspection Procedure 71007, "Reactor Vessel Head Replacement Inspection." 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 9 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 Mr. David Graves at (817) 860-8147 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Arthur T. Howell III, Director  
Division of Reactor Projects

Docket: 50-285  
License: DPR-40

Enclosure:  
Fort Calhoun Station Inspection/Activity Plan

cc:

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 A. Wang, NRR Project Manager for FCS (**ABW**)  
**RidsNrrDirslpab**

SUNSI Review Completed:  \_dng\_ ADAMS:  Yes  No Initials:  \_dng\_  
 Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

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RIV:C:DRP/E	D:DRS	D:DRP		
DNGraves;mjs	DDChamberlain	ATHowell III		
<b>VGGaddy for</b>	<b>RJCaniano for</b>	<b>/RA/</b>		
2/23/06	2/23/06	2/24/06		

OFFICIAL RECORD COPY

T=Telephone

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**Fort Calhoun**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>EB1-REPL - EQUIP REPLACEMENT ACTIVITIES &amp; ISI</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		01/01/2006	12/29/2006	Other Routine
1	IP 50003	Pressurizer Replacement Inspection		01/01/2006	12/29/2006	Safety Issues
1	IP 71007	Reactor Vessel Head Replacement Inspection		01/01/2006	12/29/2006	Other Routine
1	IP 7111108P	Inservice Inspection Activities - PWR		01/01/2006	12/29/2006	Baseline Inspections
	<b>EB-FCS-1 - PHASE ONE - MAJOR EQUIPMENT REPLACEMENTS</b>		<b>2</b>			
1	IP 50001	Steam Generator Replacement Inspection		03/06/2006	03/17/2006	Other Routine
1	IP 50003	Pressurizer Replacement Inspection		03/06/2006	03/17/2006	Safety Issues
1	IP 71007	Reactor Vessel Head Replacement Inspection		03/06/2006	03/17/2006	Other Routine
	<b>FCS-2 - PHASE 2 FCS REPLACEMENT ACTIVITIES</b>		<b>2</b>			
1	IP 50001	Steam Generator Replacement Inspection		07/10/2006	07/21/2006	Other Routine
1	IP 50003	Pressurizer Replacement Inspection		07/10/2006	07/21/2006	Safety Issues
1	IP 71007	Reactor Vessel Head Replacement Inspection		07/10/2006	07/21/2006	Other Routine
	<b>EB2-07B - HX PERFORMANCE</b>		<b>1</b>			
1	IP 7111107B	Heat Sink Performance		05/01/2006	05/05/2006	Baseline Inspections
	<b>RP TEAM - RP SAFETY TEAM</b>		<b>4</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/08/2006	05/12/2006	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		05/08/2006	05/12/2006	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		05/08/2006	05/12/2006	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		05/08/2006	05/12/2006	Baseline Inspections
	<b>BRQ SIM - BIENNIAL RQ SIM ONLY</b>		<b>1</b>			
1	IP 7111111B	Licensed Operator Requalification Program		06/19/2006	06/23/2006	Baseline Inspections
	<b>EP2 - EMERG PREP PROGRAM</b>		<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		06/19/2006	06/23/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		06/19/2006	06/23/2006	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/19/2006	06/23/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/19/2006	06/23/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/19/2006	06/23/2006	Baseline Inspections
	<b>OB-RQ - FCS REQUALIFICATION INSP</b>		<b>2</b>			
1	IP 7111111B	Licensed Operator Requalification Program		08/07/2006	08/11/2006	Baseline Inspections
	<b>EB1-2/17 - PERMANENT MODS/50.59</b>		<b>3</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		08/07/2006	08/11/2006	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		08/07/2006	08/11/2006	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/11/2006	09/15/2006	Baseline Inspections

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

**Fort Calhoun**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/11/2006	09/15/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/11/2006	09/15/2006	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/25/2006	09/29/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/25/2006	09/29/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/25/2006	09/29/2006	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/27/2006	12/01/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/27/2006	12/01/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/27/2006	12/01/2006	Baseline Inspections
	<b>EB2-12B - MAINTENANCE RULE INSPECTION</b>		<b>2</b>			
1	IP 7111112B	Maintenance Effectiveness		04/16/2007	04/20/2007	Baseline Inspections
	<b>EB1-21 - CDB</b>		<b>7</b>			
1	IP 7111121	Component Design Bases Inspection		05/21/2007	05/25/2007	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		06/04/2007	06/15/2007	Baseline Inspections
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/11/2007	06/15/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		06/11/2007	06/15/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		06/11/2007	06/15/2007	Baseline Inspections
	<b>EXAM - INITIAL EXAM</b>		<b>4</b>			
1	X02354	FCS - INITIAL EXAM (08/07)		07/02/2007	07/06/2007	Not Applicable
1	X02354	FCS - INITIAL EXAM (08/07)		08/06/2007	08/10/2007	Not Applicable
	<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/16/2007	07/20/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		07/16/2007	07/20/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/16/2007	07/20/2007	Baseline Inspections
	<b>EB2-52B - PIR TEAM INSPECTION</b>		<b>5</b>			
1	IP 71152B	Identification and Resolution of Problems		08/27/2007	08/31/2007	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		09/10/2007	09/14/2007	Baseline Inspections