



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
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March 2, 2005

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
(REPORT 05000285/2005001)

Dear Mr. Ridenoure:

On February 2, 2005, the NRC staff completed its end-of-cycle plant performance assessment of the Fort Calhoun Station. The end-of-cycle review for the Fort Calhoun Station involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. 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 that may conflict with your plant activities.

This performance review and enclosed inspection plan do not include physical protection information. A separate end-of-cycle performance review letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, the 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 and the third quarter was within the Regulatory Response Column of the NRC's Action Matrix based on a White PI for Emergency AC Power System Unavailability (Mitigating Systems Cornerstone). Diesel Generator 2 was unavailable for about 28 days because of an undetected fuse failure. This fuse failure resulted in Diesel Generator 2 failing to reach rated voltage during testing on August 18, 2004. Analysis of the failure determined the fuse that caused the failure had actually failed during testing on July 21, 2004.

We plan to conduct a supplemental inspection in accordance with NRC Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area," to review the actions taken in response to this White PI. The purpose of this supplemental inspection will be to provide assurance that the root and contributing causes for the White PI are understood, to provide assurance that the extent of condition and extent of cause are identified, and to provide assurance that the corrective actions are sufficient to address the root and

contributing causes and prevent their recurrence. In addition, the risk significance of the Diesel Generator 2 condition is still under review as part of the Significance Determination Process.

Plant performance during the first two 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 PIs indicating performance at a level requiring no additional NRC oversight (Green).

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2006. In addition to the baseline inspection program, Temporary Instruction 2515/150, "Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)," Temporary Instruction 2515/160, "Pressurizer Penetration Nozzles and Steam Space Piping Connections (NRC Bulletin 2004-01)," and inspections related to Steam Generator Replacement (Procedure 50001), Pressurizer Replacement (Procedure in draft) and Reactor Vessel Head Replacement (Procedure 71001) will be performed at Fort Calhoun Station during this inspection cycle. 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 inspections in the last 9 months of the inspection plan are tentative and may be revised at the midcycle review meeting.

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. Michael Hay at (817) 860-8144 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 w/enclosure:

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SISP Review Completed: ath ADAMS: / Yes G No Initials: ath
 / Publicly Available G Non-Publicly Available G Sensitive / Non-Sensitive

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RIV:C:DRP/C	D:DRS	D:DRP		
MCHay;df	DDChamberlain	ATHowell III		
/RA/	/RA/	/RA/		
2/23/05	2/25/05	3/2/05		

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Fort Calhoun
Inspection / Activity Plan
03/04/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	TI-150	- TI-150 RESIDENT PORTION	2			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02		02/25/2005	04/21/2005	Safety Issues
	TI-160	- TI-160 RESIDENT PORTION	2			
1	IP 2515/160	Pzr Pene Nozzles & Stm Space Piping Connections in U.S. PWRs [NRC Bulletin 2004-01]		02/25/2005	04/21/2005	Safety Issues
	ACRSA	- ACCESS CONTROLS TO RAD SIGNIFICANT AREAS	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/14/2005	03/18/2005	Baseline Inspections
	EB08P	- ISI - VESS VOL (TI 150/152) AS REQ	1			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/14/2005	03/18/2005	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		04/11/2005	04/18/2005	Baseline Inspections
	ALARA2	- ALARA PLANNING AND CONTROLS	1			
1	IP 7112102	ALARA Planning and Controls		04/04/2005	04/08/2005	Baseline Inspections
	PEB-12B	- MAINTENANCE RULE BIENNIAL	1			
1	IP 7111112B	Maintenance Effectiveness		05/09/2005	05/13/2005	Baseline Inspections
	OB-INIT	- INITIAL EXAM	5			
1	X02281	FT. CALHOUN (04/05) - INITIAL EXAM		06/20/2005	06/24/2005	Not Applicable
1	X02281	FT. CALHOUN (04/05) - INITIAL EXAM		07/11/2005	07/15/2005	Not Applicable
	PEB-05T	- TRIENNIAL FIRE PROTECTION INSPECTION	4			
1	IP 7111105T	Fire Protection		07/25/2005	07/29/2005	Baseline Inspections
1	IP 7111105T	Fire Protection		08/08/2005	08/12/2005	Baseline Inspections
	EB21	- SSD&PCI	3			
1	IP 7111121	Safety System Design and Performance Capability		08/15/2005	08/19/2005	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		08/29/2005	09/02/2005	Baseline Inspections
	ALARA3	- ALARA PLANNING AND CONTROLS	1			
1	IP 7112102	ALARA Planning and Controls		08/22/2005	08/26/2005	Baseline Inspections
	PEB-52	- FCS PIR INSPECTION	4			
1	IP 71152B	Identification and Resolution of Problems		09/12/2005	09/16/2005	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		09/26/2005	09/30/2005	Baseline Inspections
	EB-REPL1	- SG REPLACEMENT EARLY REVIEWS	2			
1	IP 50001	Steam Generator Replacement Inspection		10/01/2005	12/31/2005	Other Routine
	EB-REPL2	- RX VESSEL HEAD REPL EARLY DESIGN REVIEW	2			
1	IP 71007	Reactor Vessel Head Replacement Inspection		10/01/2005	12/31/2005	Other Routine
	OB-EP1	- EMERG PREPAREDNESS EXERCISE	3			
1	IP 7111401	Exercise Evaluation		12/05/2005	12/09/2005	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		12/05/2005	12/09/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		12/05/2005	12/09/2005	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
03/04/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB-REPL3 - SG REPLACEMENT - PRE OUTAGE		2			
1	IP 50001	Steam Generator Replacement Inspection		01/01/2006	09/01/2006	Other Routine
	EB-REPL4 - RX VESSEL HEAD REPL - PRE OUTAGE		2			
1	IP 71007	Reactor Vessel Head Replacement Inspection		01/01/2006	09/01/2006	Other Routine
	ALARA1 - ALARA PLANNING AND CONTROLS		1			
1	IP 7112102	ALARA Planning and Controls		04/24/2006	04/28/2006	Baseline Inspections
	PEB - HX PERFORMANCE		1			
1	IP 7111107B	Heat Sink Performance		05/01/2006	05/05/2006	Baseline Inspections
	RP TEAM - RP SAFETY TEAM		3			
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		05/08/2006	05/12/2006	Baseline Inspections
	OB-EP1 - EMERG PREP PROGRAM		1			
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
	OB-RQ - FCS REQUALIFICATION INSP		3			
1	IP 7111111B	Licensed Operator Requalification Program		08/07/2006	08/11/2006	Baseline Inspections
	EB17/02 - PERMANENT MODS/50.59		3			
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
	EB-REPL5 - SG REPLACEMENT - OUTAGE		3			
1	IP 50001	Steam Generator Replacement Inspection		09/01/2006	12/31/2006	Other Routine
	EB-REPL6 - RX VESSEL HEAD REPL - OUTAGE		3			
1	IP 71007	Reactor Vessel Head Replacement Inspection		09/01/2006	12/31/2006	Other Routine
	ACRSA - ACCESS CONTROL TO RAD SIGNIFICANT AREAS		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/18/2006	09/22/2006	Baseline Inspections