



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

August 30, 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: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
FORT CALHOUN STATION**

Dear Mr. Ridenoure:

On August 4, 2005, the NRC staff completed its performance review of the Fort Calhoun Station for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed performance indicators (PIs) 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 in order for you 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 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.

Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a finding of low to moderate safety significance (White) in the Mitigating Systems Cornerstone involving the emergency diesel generator. This finding also resulted in the Emergency AC Power System Unavailability PI being White. This finding occurred when Diesel Generator 2 was unavailable for approximately 28 days due to an undetected fuse failure. This fuse failure prevented the diesel generator from achieving rated voltage during testing on August 18, 2004. Analysis of the failure determined the fuse had actually failed during testing on July 21, 2004. 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 March 31, 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 minimize the resource impact on your staff and to allow for the early 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 end-of-cycle 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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact David N. Graves at (817) 860-8147 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



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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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
1	EB-REPL2 - RX VESSEL HEAD REPL	EARLY DESIGN REVIEW	2	10/01/2005	12/31/2005	Other Routine
	IP 71007	Reactor Vessel Head Replacement Inspection				
1	EB-REPL1 - SG REPLACEMENT	EARLY REVIEWS	2	10/01/2005	12/31/2005	Other Routine
	IP 50001	Steam Generator Replacement Inspection				
1	PEB-05T - TRIENNIAL FIRE PROTECTION INSPECTION		5	08/08/2005	08/12/2005	Baseline Inspections
	IP 7111105T	Fire Protection [Triennial]				
1	EB21 - SSD&PCI		4	08/15/2005	08/19/2005	Baseline Inspections
	IP 7111121	Safety System Design and Performance Capability				
1	IP 7111121	Safety System Design and Performance Capability		08/29/2005	09/02/2005	Baseline Inspections
1	ALARA3 - ALARA PLANNING AND CONTROLS		1	08/22/2005	08/26/2005	Baseline Inspections
	IP 7112102	ALARA Planning and Controls				
1	PEB-52 - FCS PIR INSPECTION		4	09/12/2005	09/16/2005	Baseline Inspections
	IP 71152B	Identification and Resolution of Problems				
1	IP 71152B	Identification and Resolution of Problems		09/26/2005	09/30/2005	Baseline Inspections
1	OB-EP1 - EMERG PREPAREDNESS EXERCISE		4	12/05/2005	12/09/2005	Baseline Inspections
	IP 7111401	Exercise Evaluation				
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
1	EB-REPL3 - SG REPLACEMENT - PRE OUTAGE		2	01/01/2006	09/01/2006	Other Routine
	IP 50001	Steam Generator Replacement Inspection				
1	EB-REPL4 - RX VESSEL HEAD REPL - PRE OUTAGE		2	01/01/2006	09/01/2006	Other Routine
	IP 71007	Reactor Vessel Head Replacement Inspection				
1	EB REPL5 - PRESSURIZER REPLACEMENT ACTIVITIES		1	01/01/2006	12/31/2006	Safety Issues
	IP 50003	Pressurizer Replacement Inspection				
1	ALARA1 - ALARA PLANNING AND CONTROLS		1	04/24/2006	04/28/2006	Baseline Inspections
	IP 7112102	ALARA Planning and Controls				
1	PEB - HX PERFORMANCE		1	05/01/2006	05/05/2006	Baseline Inspections
	IP 7111107B	Heat Sink Performance				
1	RP TEAM - RP SAFETY TEAM		5	05/08/2006	05/12/2006	Baseline Inspections
	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment				
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 F		05/08/2006	05/12/2006	Baseline Inspections
1	EP2 - EMERG PREP PROGRAM		1	06/19/2006	06/23/2006	Baseline Inspections
	IP 7111402	Alert and Notification System Testing				

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

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EP2 - EMERG PREP PROGRAM		1			
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		5			
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 711117B	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
	ALARA2 - ALARA PLANNING AND CONTROLS		1			
1	IP 7112102	ALARA Planning and Controls		11/27/2006	12/01/2006	Baseline Inspections

Electronic distribution by RIV:

- Regional Administrator (**BSM1**)
- DRP Director (**ATH**)
- DRS Director (**DDC**)
- DRS Deputy Director (**KMK**)
- Senior Resident Inspector (**JDH1**)
- Resident Inspector (**LMW1**)
- Branch Chief, DRP/E (**DNG**)
- Senior Project Engineer, DRP/E (**VGG**)
- Team Leader, DRP/TSS (**RLN1**)
- RITS Coordinator (**KEG**)
- V. Dricks, PAO (**VLD**)
- W. Maier, RSLO (**WAM**)
- C. Gordon (**CJG**)
- DRS Branch Chiefs (**LJS, MPS1, REL, NFO**)
- S. Richards, Chief, NRR/DIPM/IIPB (**SAR**)
- M. Case, Deputy Dir. for Inspection and Programs (**MJC**)
- B. Sheron, Associate Dir. for Project Licensing and Technical Analysis (**BWS**)
- T. Bergman, Chief, TRPS/OEDO (**BAW**)
- H. Berkow, Director, LPD4, NRR/DLPM (**HNB**)
- D. Collins, Chief, PDIV-2, NRR/DLPM (**DXC1**)
- A. Wang, NRR Project Manager (**ABW**)

SISP Review Completed: _dng_ ADAMS: Yes No Initials: _dng_
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

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RIV/SPE/DRP/E	C/DRP/E	D/DRS	D/DRP
VGGaddy	DNGraves	DDChamberlain	ATHowell III
<i>/RA/</i>	<i>/RA/</i>	<i>KMKennedy for</i>	<i>[Signature]</i>
8/19/05	8/24/05	8/25/05	8/24/05

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