



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

April 29, 2004

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: SUMMARY OF END-OF-CYCLE PERFORMANCE ASSESSMENT MEETING
FOR FORT CALHOUN STATION

Dear Mr. Ridenoure:

This refers to the end-of-cycle performance assessment meeting conducted at the Holiday Inn Express, Omaha, Nebraska, on April 20, 2004. The purpose of this meeting between the Nuclear Regulatory Commission (NRC) and the Omaha Public Power District (OPPD) was to present and discuss the NRC's assessment of performance of the Fort Calhoun Station for the period of January 1 through December 31, 2003. In addition, the meeting included a presentation on the NRC's oversight process.

The meeting attendance list and a copy of the slides presented during the meeting are included as Enclosures 1 and 2.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be 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).

Sincerely,

A handwritten signature in cursive script that reads "Kriss M. Kennedy".

Kriss M. Kennedy, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-285
License: DPR-40

Enclosures:

1. Attendance List
2. NRC Presentation

cc w/enclosures:

John B. Herman, Manager
Nuclear Licensing
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
P.O. Box 550
Fort Calhoun, NE 68023-0550

Richard P. Clemens, Division Manager
Nuclear Assessments
Fort Calhoun Station
P.O. Box 550
Fort Calhoun, NE 68023-0550

David J. Bannister, Manager - Fort Calhoun Station
Omaha Public Power District
Fort Calhoun Station FC-1-1 Plant
P.O. Box 550
Fort Calhoun, NE 68023-0550

James R. Curtiss
Winston & Strawn
1400 L. Street, N.W.
Washington, DC 20005-3502

Chairman
Washington County Board of Supervisors
P.O. Box 466
Blair, NE 68008

Sue Semerena, Section Administrator
Nebraska Health and Human Services System
Division of Public Health Assurance
Consumer Services Section
301 Centennial Mall, South
P.O. Box 95007
Lincoln, NE 68509-5007

Daniel K. McGhee
Bureau of Radiological Health
Iowa Department of Public Health
401 SW 7th Street, Suite D
Des Moines, IA 50309

Timothy F. Dunning, Sheriff
Douglas County
3601 N. 156th Street
Omaha, NE 68116

Carol McBride Pirsch, Chairperson
Douglas County Board of Commissioners
Civic Center
1819 Farnam LC2
Omaha, NE 68183

Steve Lee, Director
Douglas County Emergency
Management Agency
Civic Center, EOC, Room 114
Omaha, NE 68183

Todd Baber
Emergency Management Agency
Harrison County
111 South 1st Avenue
Logan, IA 51546-1305

Terry Baxter, Sheriff
Harrison County
111 South 1st Avenue
Logan, IA 51546

Rolland Roberts, Chairman
Harrison County Board of Supervisors
111 North 2nd Avenue
Logan, IA 51546

The Honorable Doris Stillwell
Mayor of Missouri Valley
City Hall
223 E. Erie
Missouri Valley, IA 51555

Terry Hummel, Coordinator
Pottawattamie County Emergency
Management Coordinator
227 S. 6th Street, Court House
Council Bluffs, IA 51501

Delbert King, Chairman
Pottawattamie County Board of
Supervisors
227 South 6th Street
Council Bluffs, IA 51501

Mike Robinson, Sheriff
Washington County Courthouse
1535 Culfax
Blair, NE 68008

John Shotwell, President
Blair City Council
218 S. 16th Street
Blair, NE 68008

The Honorable Jim Realph
Mayor of Blair
218 South 16th Street
Blair, NE 68008

The Honorable Paul Oestmann
Mayor of Fort Calhoun
P.O. Box 394
Fort Calhoun, NE 68023

David Genoways, President
Fort Calhoun City Council
P.O. Box 577
Fort Calhoun, NE 68023

Bill Pook, Director
Region 5/6 Emergency Management
435 N. Park Avenue, Suite 400
Fremont, NE 68025

Dick Hainje, Regional Director
Federal Emergency Management Agency
Region VII
2323 Grand Blvd., Suite 900
Kansas City, MO 64108-2670

Dianne Munns, Chairperson
Department of Commerce
Utilities Division
Iowa Utilities Board
350 Maple Street
Des Moines, IA 50319-0069

Donald A. Flater, Chief
Bureau of Environmental Health
Iowa Department of Public Health
401 SW 7th, Suite D
Des Moines, IA 50309

Robert Leopold, Administrator
Nebraska Health and Human Services
Division of Public Health Assurance
Department of Regulation and
Licensure
301 Centennial Mall, South
P.O. Box 95007
Lincoln, NE 68509-5007

John Blackhawk
Tribal Chairman
Winnebago Tribe of Nebraska
P.O. Box 687
Winnebago, NE 68071-0687

Donald Grant
Tribal Chairperson
Omaha Tribal Council
P.O. Box 368
Macy, NE 68039-0368

Al Berndt, Assistant Director
Nebraska Emergency Management Agency
1300 Military Road
Lincoln, NE 68508-1090

Electronic distribution by RIV:
 Regional Administrator (**BSM1**)
 DRP Director (**ATH**)
 DRS Director (**DDC**)
 Senior Resident Inspector (**JGK**)
 Branch Chief, DRP/C (**KMK**)
 Senior Project Engineer, DRP/C (**WCW**)
 Staff Chief, DRP/TSS (**PHH**)
 RITS Coordinator (**KEG**)
 Dan Merzke, Pilot Plant Program (**DXM2**)
RidsNrrDipmLipb

ADAMS: Yes No Initials: *RVA*
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

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RIV:PE:DRP/C	C:DRP/C			
RVAzua;df	KMKennedy			
<i>RVA</i>	<i>IRA</i>			
4/23/04	4/29/04			

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

NRC PUBLIC MEETING ATTENDANCE

LICENSEE/FACILITY	Omaha Public Power District Fort Calhoun Station
DATE/TIME	April 20, 2004; 7:00 p.m.
LOCATION	Holiday Inn
NAME (PLEASE PRINT)	ORGANIZATION
DONALD A. FLATER	IA DEPT OF Public HEALTH
EDMUNDO S. BROWN	RESIDENT AT HILSBOROUGH NEIGHBORHOOD
Ross Ridenoure	OPPD - VICE PRESIDENT
Mike Jones	OPPD - Corporate Communications
Joe Gasper	OPPD
SUDESH GAMBHIR	OPPD - Division Mgr Nuclear Projects
MARK FRANS	OPPD - ASSISTANT PLANT MANAGER
Tin Pilmair	OPPD - MBR CORRECTIVE ACTION GROUP
Gary Cavanaugh	OPPD - Supervisor - Station Licensing
Mark Puckett	OPPD - Manager - Radiation Protection.
DON KOTTZ	CITIZEN
Ralph Phelps	OPPD
Terry Hummel	Pottawattamie County Emergency Mgmt Agency

NRC PUBLIC MEETING ATTENDANCE

LICENSEE/FACILITY	Omaha Public Power District Fort Calhoun Station
DATE/TIME	April 20, 2004; 7:00 p.m.
LOCATION	Holiday Inn
NAME (PLEASE PRINT)	ORGANIZATION
<i>Al Kieber</i>	<i>OPPD</i>
<i>Mike Sorensen</i>	<i>OPPD</i>
<i>John Herman</i>	<i>OPPD</i>
<i>Bill Pook</i>	<i>Region 5/6 - Washington County</i>
<i>MARY TESAR</i>	<i>OPPD</i>
<i>Richard Haug</i>	<i>OPPD</i>
<i>Del TRAU SCH</i>	<i>OPPD</i>
<i>JEFFREY POKORNY</i>	<i>OMAAA 68154</i>

ANNUAL ASSESSMENT MEETING WITH FORT CALHOUN STATION



**Nuclear Regulatory Commission
Region IV**



Meeting Purpose

- **Meeting with Licensee and Public**
- **Inform Public of Plant Performance**



NRC Meeting Guidelines

- **Registration Table**
- **Questions and Answers**
- **Handouts**
- **Feedback Forms**



Meeting Agenda

- **Regulatory Oversight**
- **Plant Safety Performance Summary**
- **OPPD Response**
- **Questions and Answers**



NRC Personnel

Art Howell	Director, Division of Reactor Projects (DRP)
Kriss Kennedy	Chief, Branch C, DRP
John Kramer	Senior Resident Inspector, Fort Calhoun Station (FCS)
Leonard Willoughby	Resident Inspector, FCS



OPPD Introduction



Assessment Overview

- Fort Calhoun Station operated in manner that preserved public health and safety
- All inspection findings were of very low safety significance
 - White finding identified in 2002 closed following 1Q/2003
- Performance Indicators were Green



NRC Performance Goals

- Maintain public safety, protect the environment and promote common defense and security
- Enhance public confidence
- Improve:
 - effectiveness
 - efficiency
 - realism of processes and decision making
- Reduce unnecessary regulatory burden

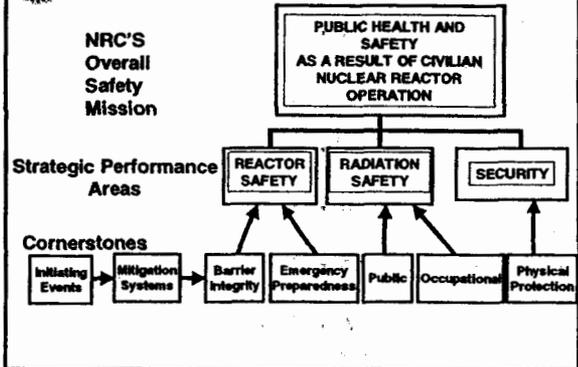


NRC Oversight Activities

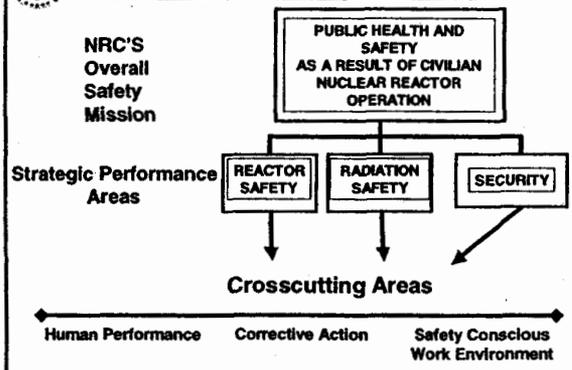
- Provide assurance plants are:
 - Operating safely
 - Complying with regulations
- Based on a logical and sound framework
- Inspections focused on key safety areas
- Objective indicators of performance
- Assessment program triggers regulatory actions



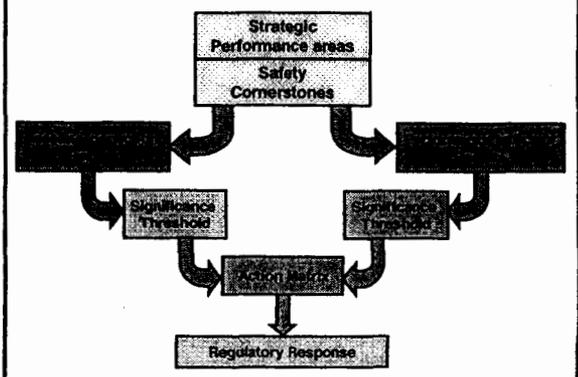
Oversight Program



Crosscutting Areas



Reactor Oversight Process



 **Reactor Oversight Process**

SAFETY SIGNIFICANCE

	- very low
	- low to moderate
	- substantial
	- high

 **Baseline Inspection Program**

- Gathers objective evidence of plant safety
- Conducted at all plants
- Focuses on safety-significant:
 - Systems
 - Components
 - Activities
 - Events

 **Event Follow-Up and Supplemental Inspections**

- Review events for significance
- Follow-up significant inspection findings
- Determine causes of performance declines
- Provide for graduated response

 **Security at Nuclear Power Plants**

Nuclear Regulatory Commission:

- Has expanded involvement with FBI, law enforcement and other intelligence agencies
- Communicates frequently with Office of Homeland Security, DOD, FAA, FEMA, and others
- Continues to work in concert with:
 - Licensees
 - State and local officials

 **NRC Inspectors**

- Resident Inspectors
 - Live in Community
 - Stationed at Plant
 - Prompt Response Capability
- Regional Inspectors
 - Specialized
 - Team Inspections
 - Reactive Inspections

 **Overall NRC Effort**



■ Headquarters - 3285
 ■ Regional - 969
 ■ Resident - 1672
 ■ License Renewal - 6791



Inspection Program

- Inspection reports describe significant findings and non-compliance
- Inspection reports are publicly accessible

www.NRC.gov/reading-rm/adams.html



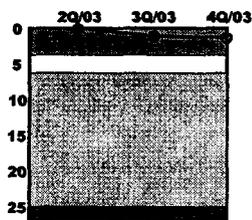
Performance Indicators

- Provide objective measures
- Indicators for all Strategic Areas
- NRC verifies through inspections
- Performance indicator results and other assessment information available on the NRC's public web site

www.NRC.gov/NRR/OVERSIGHT/ASSESS/FCS/fcs_chart.html

Performance Indicators

Unplanned Scrams per 7000 critical hours



Thresholds:

White >3.0,

Yellow >6.0,

Red >25.0

Unplanned scrams per 7000 critical hours	2Q/03	3Q/03	4Q/03
Actual scrams	0	1	0
Critical hours	2183	1773	1509
Indicator value	0	0.6	0.9



Assessment Program

- Objective review of licensee performance
- "Action Matrix" to determine agency response in three areas:
 - Inspection
 - Management involvement
 - Regulatory Actions
- Plant specific assessment letters
- Information on NRC public web site



ROP Action Matrix 4Q 2003

	Region I	Region II	Region III	Region IV	Region V	Region VI
Region I	1	2	3	4	5	6
Region IV	7	8	9	10	11	12



Plant Safety Performance Summary



2003 Assessment

- Fort Calhoun Station operated in manner that preserved public health and safety
- All inspection findings were of very low safety significance
 - White finding identified in 2002 closed following 1Q/2003
 - Fort Calhoun Station transitioned from Regulatory Response Column to Licensee Response Column
- Performance Indicators were Green
 - White PI reported in 4Q/2003 for Occupational Exposure Control Effectiveness
 - Revised input will result in Green PI



2003 Assessment

- Fort Calhoun Station was in Regulatory Response Column of Action Matrix during 1Q/2003
 - White finding in Public Radiation Cornerstone identified in 2Q/2002
 - NRC Special Inspection performed
 - OPPD adequately addressed performance issue
 - Finding closed after four quarters (2Q/2003)
- Fort Calhoun Station transitioned back to Licensee Response Column of Action Matrix



Baseline Inspections

- Inspection findings were of very low safety significance (Green)
- No crosscutting issues identified



License Renewal

- License renewal inspections completed March 20, 2003
 - OPPD demonstrated capability to manage effects of aging during extended operation
- Extensive review of license renewal application conducted by NRC
- Renewed license issued November 4, 2003
- Fort Calhoun Station license extended for additional 20 years until August 9, 2033



Performance Indicators

- Performance Indicators were Green
- 4Q/2003 White PI in Occupational Exposure Control Effectiveness expected to change to Green based on revised input from OPPD



Planned Actions

- Implement baseline inspection program



Summary

- **Public health and safety assured**
- **All inspection findings were of very low safety significance**
- **All performance indicators were Green**
- **Fort Calhoun in Licensee Response Column of NRC Action Matrix**



OPPD RESPONSE



NRC CLOSING REMARKS



Contacting the NRC

Report an Emergency:

- (301) 816 - 5100 (collect)

Report a Safety Concern:

- (800) 695 - 7403 or
- Allegation@nrc.gov

General information or questions:

- www.nrc.gov

Select "What we do" for Public Affairs

For additional information:

Regional Public Affairs Officer

- Victor Dricks
- (817) 860 - 8128

State Liaison Officer

- William (BM) Maier
- (817) 860 - 8267



Questions and Answers