



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

May 29, 2008

D. J. Bannister  
Vice President and CNO  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
P.O. Box 550  
Fort Calhoun, NE 68023-0550

Dear Mr. Bannister:

**SUBJECT: MEETING SUMMARY FOR PUBLIC MEETING WITH OMAHA PUBLIC POWER DISTRICT (OPPD) ON FORT CALHOUN STATION 2007 PERFORMANCE AND REGULATORY PERFORMANCE MEETING**

On May 22, 2008, representatives of OPPD met with NRC personnel at the Marriott on 10220 Regency Circle, located in Omaha, Nebraska, to discuss the NRC's 2007 end of cycle performance assessment. In addition, this meeting served as the Regulatory Performance Meeting, which was required to address degraded performance at Fort Calhoun Station. The Fort Calhoun Station was in Column III of the NRC Manual Chapter 0305 "Action Matrix" at the close of CY 2007. The meeting was held at the request of the NRC. The list of attendees and a copy of the NRC's and OPPD's presentations 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's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the Public Electronic Reading Room page of the NRC's public web site at [http:// www.nrc.gov/reading-rm/adams.html](http://www.nrc.gov/reading-rm/adams.html).

Sincerely,

A handwritten signature in black ink, appearing to read "J. Clark".

Jeff A. Clark, Chief  
Project Branch E  
Division of Reactor Projects

Enclosures:

1. Attendance List
2. NRC Presentation Slides

cc w/Enclosures

Winston & Strawn  
Attn: James R. Curtiss  
1700 K Street NW  
Washington, DC 20006-3817

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

Julia Schmitt, Manager  
Radiation Control Program  
Nebraska Health & Human Services  
Dept. of Regulation & Licensing  
Division of Public Health Assurance  
301 Centennial Mall, South  
P.O. Box 95007  
Lincoln, NE 68509-5007

Melanie Rasmussen  
Bureau of Radiological Health  
Iowa Department of Public Health  
Lucas State Office Building, 5th Floor  
321 East 12th Street  
Des Moines, IA 50319

Ronald L. McCabe, Chief  
Technological Hazards Branch  
National Preparedness Division  
DHS/FEMA  
9221 Ward Parkway  
Suite 300  
Kansas City, MO 64114-3372

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

Clare Duda, Chairperson  
Douglas County Board of Commissioners  
Civic Center  
1819 Farnam LC2  
Omaha, NE 68183

Paul W. Johnson, Director  
Douglas County Emergency  
Management Agency  
Civic Center, EOC, Room 114  
1819 Farnam Street  
Omaha, NE 68183

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

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

The Honorable Clint Sargent  
Mayor of Missouri Valley  
City Hall  
223 E. Erie  
Missouri Valley, IA 51555

Robert Smith, Chairman  
Harrison County Board of Supervisors  
111 North 2nd Avenue  
Logan, IA 51546

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

Electronic distribution by RIV:

- Regional Administrator (Elmo.Collins@nrc.gov)
- DRP Director (Dwight.Chamberlain@nrc.gov)
- DRS Director (Roy.Caniano@nrc.gov)
- DRS Deputy Director (Troy.Pruett@nrc.gov)
- Senior Resident Inspector (Nick.Taylor@nrc.gov)
- Branch Chief, DRP/E (Jeff.Clark@nrc.gov)
- Senior Project Engineer, DRP/E (George.Replogle@nrc.gov)
- Team Leader, DRP/TSS (Chuck.Paulk@nrc.gov)
- RITS Coordinator (Marisa.Herrera@nrc.gov)

Only inspection reports to the following:

- DRS STA (Dale.Powers@nrc.gov)
- J. Adams, OEDO RIV Coordinator (John.Adams@nrc.gov)
- P. Lougheed, OEDO RIV Coordinator (Patricia.Lougheed@nrc.gov)
- ROPreports
- FCS Site Secretary (Berni.Madison@nrc.gov)

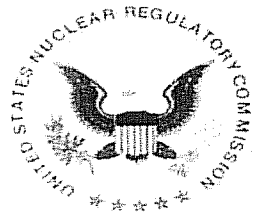
SUNSI Review Completed:      ADAMS:  Yes  No Initials:     

Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

R:\EOC Meeting Summary\2008\FCS Meeting Summary 5-22-08.doc ADAMS - MLO

RIV:DRP:SPE/E	DRP:C/E			
GDReglogle	JAClark			
<i>Chapman</i>	<i>J</i>			
5/29/08	5/29/08			

OFFICIAL RECORD COPY T=Telephone E=E-mail F=Fax



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

ANNUAL MEETING ATTENDANCE

LICENSEE/FACILITY Entergy Operations / Fort Calhoun Station  
DATE/TIME April 10, 2008 ~~May 20, 2008~~ 6:00 p.m.  
LOCATION Embassy Suites Omaha Marriott  
555 South 10th Street 10220 Regency Cir  
Omaha, NE

NAME (PLEASE PRINT)

ORGANIZATION

John Hanna	NRC
Jeff Clark	NRC
Dwight Chamberlain	NRC
John Kirkland	NRC
TOM MATTHEWS	OPPD
PAT CROWIN	OPPD
Rich Clemens	OPPD
Dave Bannister	OPPD
BRAD DeKorte	NEMA
Dan McGhee	Ia Dept. Public Health
Joe McManis	OPPD
TIM NELLENBACH	OPPD
WOODY GODDELL	OPPD
Dennis Guinn	OPPD
MARK FRANS	OPPD
TOM HILTZ	NRC
Harry Faulhaber	OPPD
Jiff Hanson	OPPD
Victor Dricks	Public Affairs - NRC
Kathy Stodola	Iowa Homeland Security
Joe Gasper	OPPD





## Fort Calhoun Station Annual Assessment Meeting

Reactor Oversight Program - CY 2007

Nuclear Regulatory Commission - Region IV  
May 22, 2008

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## NRC Representatives

- Dwight Chamberlain, Director, Division of Reactor Projects
- Jeffrey Clark, Chief, Projects Branch E
- Thomas Hiltz, Branch Chief, Plant Licensing Branch IV, NRR
- Victor Dricks, Public Affairs Officer
- John Hanna, Senior Resident Inspector
- John Kirkland, Resident Inspector

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## Fort Calhoun Introductions

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## Purpose of Today's Meeting

- A public forum for discussion of Fort Calhoun's performance
- Open dialogue between Fort Calhoun and NRC

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## Agenda

- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Fort Calhoun Plant Performance Results
- Regulatory Performance Meeting for Degraded Cornerstone Performance

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## Agenda (cont.)

- NRC Oversight – Going Forward
- Licensee Response and Remarks
- NRC Closing Remarks
- Question and Answer Session

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## NRC Strategic Goals

- Safety: Ensure adequate protection of the public health and safety and the environment
- Security: Ensure adequate protection in the secure use and management of radioactive materials

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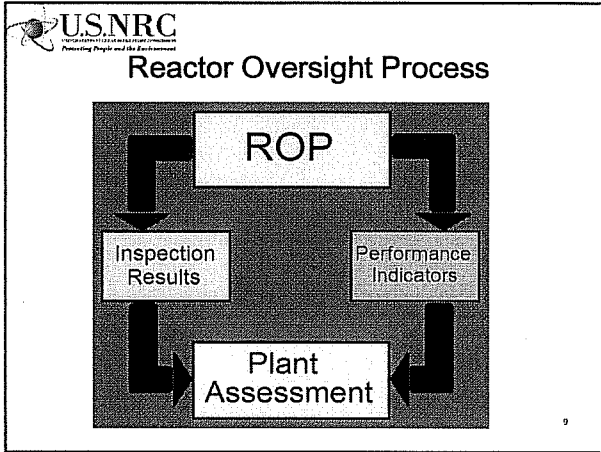


## John Kirkland

- Reactor Oversight Process

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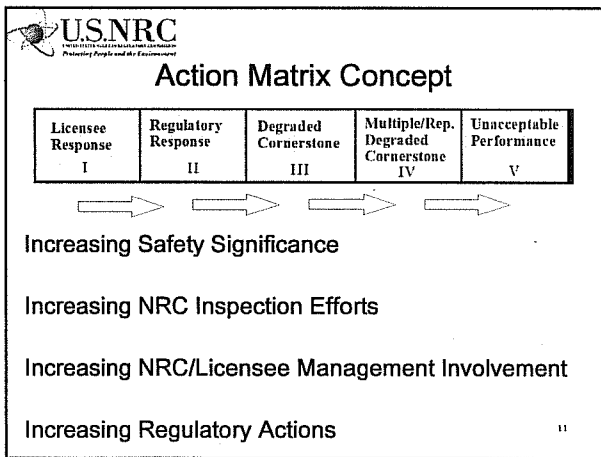
**U.S.NRC**  
UNITED STATES NUCLEAR REGULATORY COMMISSION  
 Promoting People and the Environment

### Significance Thresholds

Inspection Findings and Performance Indicators

Green: Very Low safety issue  
 White: Low to moderate safety issue  
 Yellow: Substantial safety issue  
 Red: High safety issue

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**U.S.NRC**  
UNITED STATES NUCLEAR REGULATORY COMMISSION  
 Promoting People and the Environment

### National Summary of Plant Performance

Licensee Response (Column I)	87
Regulatory Response (Column II)	8
Degraded Cornerstone (Column III)	8
Multiple/Repetitive Degraded Cornerstone (Column IV)	1
<u>Unacceptable (Column V)</u>	<u>0</u>
Total	104

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## National Summary

### ■ Performance Indicator Results

- Green 1942
- White 8
- Yellow 1
- Red 0

### ■ Total Inspection Findings

- Green 759
- White 9
- Yellow 2
- Red 0

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## 2007 Inspection Activities

- Baseline Inspection Program
- Focused inspection for an emergency diesel generator failure
- Special inspection for 2 failed ABB breakers

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## Jeffrey Clark

### 2007 Assessment Results

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## Assessment Results

- Fort Calhoun operated safely even though there was a degradation in safety performance.
  - Continued substantive crosscutting issue in "Human Performance"
  - Multiple White issues
  - Column III of the NRC Action Matrix

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### Planned Activities For 2008

- Baseline inspections
- Supplemental 95002 Inspection Completed, March 20, 2008

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### Regulatory Performance Meeting

- FCS in Column III of NRC Action Matrix at Close of 2007
- NRC Completed 95002
- All Issues Closed Except White EDG Finding
- Fort Calhoun to Transition to Column II Pending Additional NRC Followup of EDG Finding

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### Licensee Response and Remarks

David Bannister  
Site Vice President  
and  
Chief Nuclear Officer  
Omaha Public Power District

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### Fort Calhoun Station NRC Public Meeting May 22, 2008

Dave Bannister  
Vice President – Nuclear

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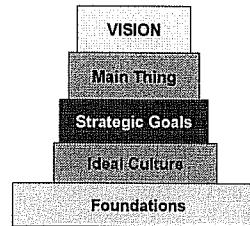


## Agenda

- Building Blocks
- Containment Spray Header Valve HCV-345
- Diesel Generator Electrical Contacts
- Crosscutting Issue
- Foundations
- Closing



## Building Blocks



### Focus Areas

- Human Performance
- Corrective Action
- Station Culture
- Equipment Reliability
- Latent Issues



## Containment Spray Valve

- Containment Spray Header Valve HCV-345
  - Causal Analysis Completed
  - Corrective Actions Implemented
  - NRC Inspection Activities Completed
  - Ongoing Effectiveness Review



## Diesel Generator Contacts

- Diesel Generator Electrical Contacts
  - Causal Analysis Completed
  - Improvement Plan Created
  - Corrective Actions Implemented
  - Ongoing Effectiveness Review



## Crosscutting Issue

- Human Performance-Resources
  - Completed Causal Analysis
  - Implemented Corrective Actions
  - Made Human Performance a Site Focus Area
  - Increased Use of Metrics to Gauge Effectiveness



## Metrics

- Additional Metrics Developed
- Metrics Include:
  - Human Performance Error Rate
  - Procedure Quality
  - Maintenance Rework



## Completed Actions

- Benchmarked Industry Best
- Increased Management Staff
- Instituted "Prior to Performance" Procedure Reviews
- Identified Critical Procedure Steps
- Reviewed Infrequently Performed/Risk Sensitive Procedures



## Planned Actions

- Procedures Enhancements
- Initial and Continuing Human Performance Training
- Ongoing Effectiveness Reviews



## Fort Calhoun Station Foundations

We focus on **safety** – nuclear, industrial, and radiological.

We are **aligned** and our direction is crystal clear.

We set and reinforce **high standards**.

We have healthy internal and external **relationships**.

We continuously **learn & improve**.

We are **accountable** for our actions, behaviors, & results.

We are an **engaged workforce**.



## Closing

**Safety is Primary Focus**



## Contacting the NRC

- **Report an emergency**
  - (301) 816-5100 (call collect)
- **Report a safety concern:**
  - (800) 695-7403
  - [Allegation@nrc.gov](mailto:Allegation@nrc.gov)
- **General information or questions**
  - [www.nrc.gov](http://www.nrc.gov)
  - Select "What We Do" for Public Affairs
- **Victor Dricks, Public Affairs Officer, RIV**
  - 817-860-8128
  - [vld@nrc.gov](mailto:vld@nrc.gov)

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## Reference Sources

- **Reactor Oversight Process**
  - <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>
- **Public Electronic Reading Room**
  - <http://www.nrc.gov/reading-rm.html>
- **Public Document Room**
  - 1-800-397-4209 (Toll Free)

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## NRC Concluding Remarks

Dwight Chamberlain, Director, Division of  
Reactor Projects

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## Questions and Answers

Facilitated by

John Kirkland

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