



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

APR - 2 2003

R. T. Ridenoure
Division Manager - Nuclear Operations
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
P.O. Box 550
Fort Calhoun, Nebraska 68023-0550

SUBJECT: MEETING SUMMARY FOR END-OF-CYCLE PERFORMANCE ASSESSMENT

Dear Mr. Ridenoure:

This refers to the end-of-cycle performance assessment meeting conducted at the Holiday Inn Southwest in Omaha, Nebraska, on March 27, 2003. The meeting attendance list and a copy of the slides presented during the meeting are enclosed.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosure will be available electronically for public inspection in the NRC's 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/index.html> (the Public Electronic Reading Room).

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

Claude E. Johnson, 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, Nebraska 68023-0550

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

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

Chairman
Washington County Board of Supervisors
P.O. Box 466
Blair, Nebraska 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, Nebraska 68509-5007

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

Timothy F. Dunning, Sheriff
Douglas County
Hall of Justice
17th and Farnam

Omaha, Nebraska 68102

Carole Woods-Harris, Chairman
Douglas County Board of Commissioners
Civic Center
1819 Farnam
Omaha, Nebraska 68183

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

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

Terry Baxter, Sheriff
Harrison County
Sheriff's Department
Logan, Iowa 51546

Larry King, Chairman
Harrison County Board of Supervisors
Court House
Logan, Iowa 51546

The Honorable James Long
Mayor of Missouri Valley
City Hall
223 E. Erie
Missouri Valley, Iowa 51555

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

Melvin Houser, Chairman
Pottawattamie County Board of
Supervisors
227 South 6th Street
Council Bluffs, Iowa 51501

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

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

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

The Honorable Paul Oestmann
Mayor of Fort Calhoun
P.O. Box 448
Fort Calhoun, Nebraska 68023

David Genoways, President
Fort Calhoun City Council
P.O. Box 448
Fort Calhoun, Nebraska 68023

Bill Pook, Director
Region 5/6 Emergency Management
435 N. Park Avenue, Room B101
Fremont, Nebraska 68025

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

Dianne Munns, Chairman
Department of Commerce
Utilities Division
Iowa Utilities Board
350 Maple Street
Des Moines, Iowa 50319

Donald A. Flater, Chief
Bureau of Environmental Health, 5th floor
Iowa Department of Public Health
401 SW 7th, Suite D
Des Moines, Iowa 50309

Ronald A. Kucera, Deputy Director
for Public Policy
Department of Natural Resources
P.O. Box 176
Jefferson City, Missouri 65102

Scott Clardy, Director
Section for Environmental Public Health
P.O. Box 570
Jefferson City, Missouri 65102

Jerry Uhlmann, Director
State Emergency Management Agency
P.O. Box 116
Jefferson City, Missouri 65102

Robert Quinn, Executive Director
Missouri Public Service Commission
P.O. Box 360
Jefferson City, Missouri 65102

Robert Leopold, State Liaison Officer
Nebraska Health and Human Services
Department of Regulation and
Licensure Assurance
301 Centennial Mall, South
P.O. Box 95007
Lincoln, Nebraska 68509-5007

Mr. Al Berndt, Assistant Director
Emergency Management Agency
1300 Military Road
Lincoln, Nebraska 68508

END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Omaha Public Power District Fort Calhoun Station
DATE/TIME	March 27, 2003 / 7:00 p.m.
LOCATION	Holiday Inn Express 10729 J Street Omaha, Nebraska
NAME (PLEASE PRINT)	ORGANIZATION
<i>Donald A. Flato</i>	<i>SD Dept of Public Health.</i>
MARK FRANS	OPPD
Claude E. Johnson	USNRC
<i>Jeff Hanson</i>	<i>OPPD</i>
STEVE GERBERS	OPPD
Gail M. Good	USNRC, Region IV
Ross Riderpure	OPPD
H. John Setick	OPPD
Jon Schwarz	NE EMERG. MGMT. AGENCY.
Steve Dembeck	NRC, NRR
DyLanne Duvigneaud	NRC, NRR
Richard Haug	OPPD
Dave Bannister	OPPD

END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Omaha Public Power District Fort Calhoun Station
DATE/TIME	March 27, 2003 / 7:00 p.m.
LOCATION	Holiday Inn Express 10729 J Street Omaha, Nebraska
NAME (PLEASE PRINT)	ORGANIZATION
DELVIN TRAUSSCH	OPPD
Joe McManis	OPPD
Rich Clemens	OPPD
Cynthia Buettner	OPPD
Joe Gasper	OPPD
Ron Johansen	OPPD
James Cook	OPPD
Harry Faulhaber	OPPD
John Herman	OPPD
SUDESH GAMBHIR	OPPD
Anne McGuire	Director OPPD
Mert Core	OPPD
Tim Pilmaier	OPPD

ANNUAL ASSESSMENT MEETING



Nuclear Regulatory Commission
Region IV

NRC Meeting Purpose

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

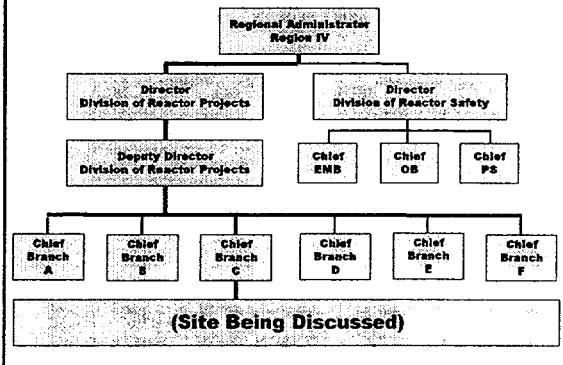


NRC Meeting Guidelines

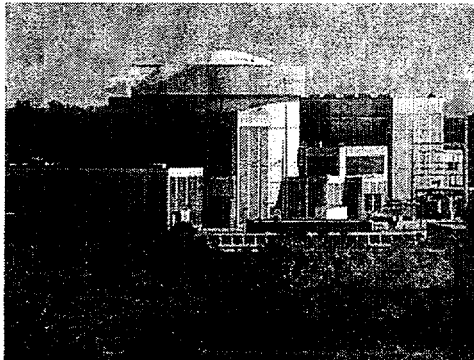
- Registration Table
- Questions and Answers
- Feedback Forms
- Handouts



Regional Organization



Fort Calhoun Station



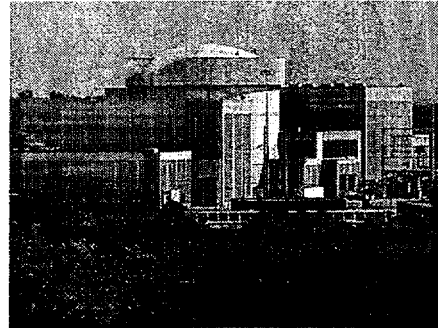
Nuclear Regulatory Commission
Region IV

NRC PERFORMANCE GOALS

- **Maintain public safety and protect the environment**
- **Enhance public confidence**
- **Improve:**
 - Effectiveness
 - Efficiency
 - Realism of processes and decision making
- **Reduce unnecessary regulatory burden**

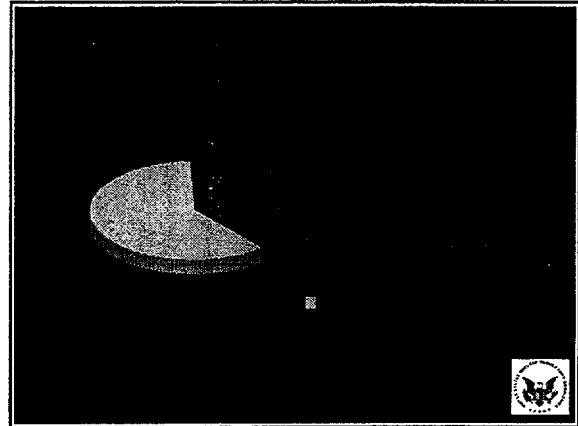


Assessment of Safety Performance at the Fort Calhoun Station



Meeting Agenda

- **REGULATORY OVERSIGHT**
- **FINDINGS AND ASSESSMENTS**
- **ADDITIONAL FOCUS AREAS**
- **QUESTIONS AND ANSWERS**



Resident Inspectors

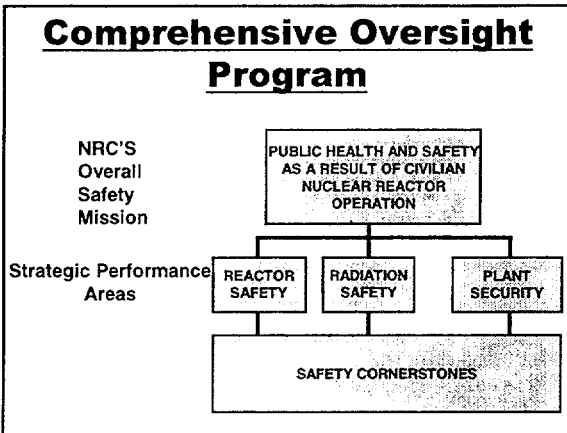
- **Stationed at the plant**
- **Prompt response capability**
- **3595 hours of oversight**



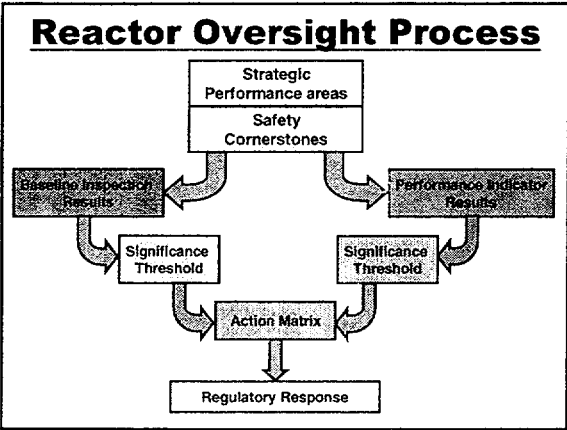
Regional Inspectors

- **Specialized**
- **Inspection teams**
- **3183 hours of oversight**





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



- ### **Baseline Inspection Program**
- Conducted at all plants
 - Gathers objective evidence of plant safety
 - Focuses on safety-significant:
 - systems
 - components
 - activities
 - events
-

- ### **Baseline Inspection Program**
- Inspection reports describe significant findings and non-compliance
 - Inspection reports are publicly accessible
- www.NRC.gov/reading-rm/adams.html
-

- ### **Event Follow-up and Supplemental Inspections**
- Review events for significance
 - Follow-up significant inspection findings
 - Determine causes of performance declines to ensure effective corrective actions
 - Provide for graduated response
-

Reactor Oversight Process

SAFETY SIGNIFICANCE

- GREEN** - very low
- WHITE** - low to moderate
- YELLOW** - substantial
- BLACK** - high



Performance Indicator Program

- Licensee monitors key safety parameters
- Data supplied to NRC quarterly
- Data verified by NRC



Performance Indicators

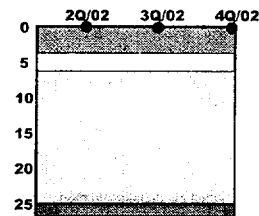
- Performance indicator results and other assessment information available on the NRC's public web site:

www.NRC.gov/NRR/OVERSIGHT/ASSESS/FCS/fcs_Html



Performance Indicators

Unplanned Scrams per 7000 critical hours



Thresholds:

White >3.0,

Yellow >6.0,

Red >25.0

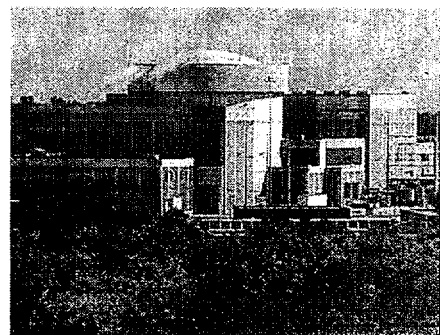
Unplanned scrams per 7000 critical hours	2Q/02	3Q/02	4Q/02
Actual scrams	0	0	0
Critical hours	1541.0	2208	2208
Indicator value	0	0	0

Key Aspects of the 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



Plant Safety Performance Summary



Plant Specific Data

Name of Plant: Fort Calhoun Station
Plant Operator: Omaha Public Power District
Number of Units: 1
Reactor Type & Vendor: Pressurized Water Reactor/
 Combustion Engineering
Location: Fort Calhoun, NE
Power Output (electrical): 502 Mwe
Source of Circulating Water: Missouri River

Major Plant Activities in 2002 Inspected by NRC

- IEB 2002-02 "Reactor Pressure Vessel Head and Vessel Penetration Nozzle" Inspection Programs performed during 2002 refueling outage
- Steam Generator Tube Inspections
- Installation of an additional security barriers
- Implementation of NRC Orders on Training, Working, and Access Authorization

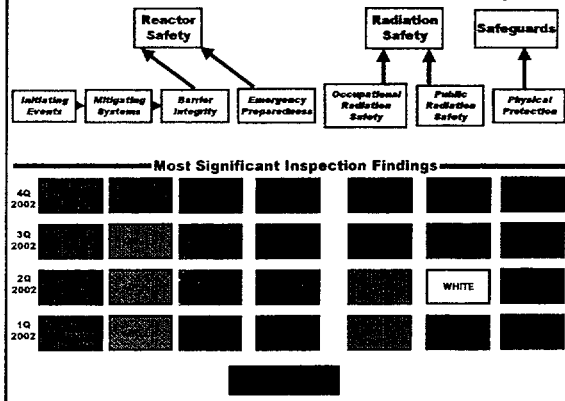


Inspection Results

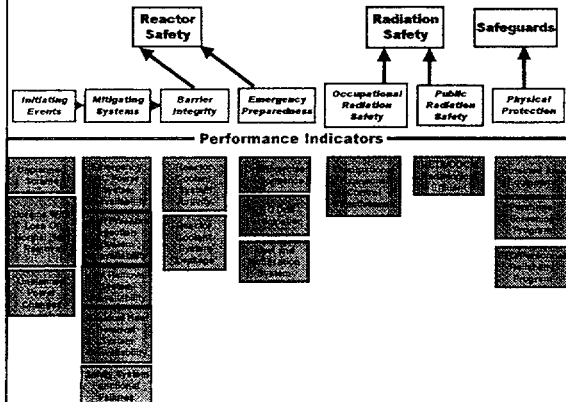
- One low to moderate safety significant finding identified:
 - Failure to prevent radiation levels from exceeding regulatory requirements during transport of nuclear waste (White)
- Special inspection conducted to evaluate corrective actions
 - Licensee corrective actions satisfactory



Fort Calhoun 4Q/2002 Performance Summary



Fort Calhoun 4Q/2002 Performance Summary



Performance Indicator Results

Licensee adequately controlled important safety activities and did not exceed any performance thresholds



ROP Action Matrix Summary for 2002

	Licensee Response	Regulatory	Degraded Cornerstone	Multiple/Repetitive Degraded Cornerstone	Unacceptable Performance
Nationwide	59	33	7	3	0
Region IV	13	5	2	1	0

Assessment Conclusion

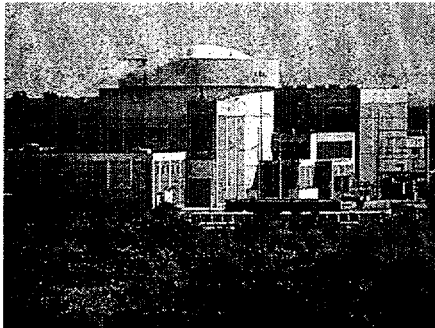
Licensee effectively managed:

- Reactor safety
- Radiation safety
- Plant security

Ft Calhoun Station operated in a manner that protected the health and safety of the public



LICENSEE RESPONSE



Additional Focus Areas

- NRC Responds As-Needed
- Mandated Licensee Actions
- Implemented Emergency Plans



Nuclear Industry Issues

- Reactor Vessel Head Penetration Inspection
- Security at Nuclear Power Plants



Reactor Vessel Head Penetration Inspection

- Davis Besse - Significant reactor vessel head degradation identified near one of its penetrations.
- NRC Bulletin 2002-02 "Reactor Pressure Vessel Head & Vessel Penetration Nozzles"
- NRC Specialist monitored FCS reactor vessel head inspection during outage
- No degradation identified



Security at Nuclear Power Plants

Nuclear Regulatory Commission:

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



Security at Nuclear Power Plants

- NRC created Office of Nuclear Security and Incident Response (NSIR)
- Threat Advisory and Protective Measures System:
 - Communicates threats potentially affecting NRC licensees
 - Corresponds to color-coded Homeland Security Presidential Directive
 - Identifies specific actions to be taken by NRC licensees for each threat level



Security at Nuclear Power Plants

- Top-to-bottom review of Security Program
- Issuance of Orders/Interim Compensatory Measures (ICM)
- Verification of licensee actions regarding ICMs
- Nuclear facilities are far ahead of other industries with regards to the level of security



Future Outlook

- Power Upgrades
- License Renewal
 - Fort Calhoun in process



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

Contacts for Additional Information

- Regional Public Affairs Officer
 - Victor Dricks
 - Phone: (817) 860 - 8128
- State Liaison Officer
 - William (Bill) Maier
 - Phone: (817) 860 - 8267