



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

April 19, 2005

Randall K. Edington, Vice
President-Nuclear and CNO
Nebraska Public Power District
P.O. Box 98
Brownville, NE 68321

SUBJECT: SUMMARY OF MEETING WITH NEBRASKA PUBLIC POWER DISTRICT
REGARDING COOPER NUCLEAR STATION

Dear Mr. Edington:

This refers to the meeting conducted at the Brownville Concert Hall in Brownville, Nebraska, on April 13, 2005. The purpose of this meeting was to present the Nuclear Regulatory Commission's (NRC's) assessment of Cooper Nuclear Station's safety performance for the past year. The attendance list and the NRC's and Nebraska Public Power District's presentation slides are enclosed.

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 black ink, reading "Michael C. Hay".

Michael C. Hay, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-298
License: DPR-46

Enclosures:

1. Attendance List
2. NRC Presentation Slides
3. NPPD Presentation Slides

cc w/enclosures:

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Nemaha County Courthouse
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Division of Public Health Assurance
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Marlin Logan
Presiding Commissioner
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Dennis Martin, Sheriff
Atchison County Sheriff's Office
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Rock Port, MO 64482

Brent Lottman, Sheriff
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Randall Rohrs, Chairman
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Dick Hainje, Regional Director
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Scott Clardy, Director
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ENCLOSURE 1

ATTENDANCE LIST

NRC PUBLIC MEETING ATTENDANCE

LICENSEE/FACILITY	Nebraska Public Power District Cooper Nuclear Station		
DATE/TIME	April 13, 2005; 6:00 p.m.(CST)		
LOCATION	Brownville Concert Hall Brownville, Nebraska		
NAME (PLEASE PRINT)	ORGANIZATION		
PAUL V FLEMING	NPPD		
Serry C Roberts	NPPD		
Jerry Behn	NPPD		
JIM SUMPTER	NPPD		
Mike Boyce	NPPD		
Joe Bednar	NPPD		
ROMAN ESTRADA	NPPD		
Bob Beilke	NPPD		
Meshele Boruck	NPPD		
Karen D Fly	NPPD		
Rickey Fili	NPPD		
Larry Edington	VP/CNO CNS NPPD		
TODD HOTTOVY	NPPD		

NRC PUBLIC MEETING ATTENDANCE

LICENSEE/FACILITY	Nebraska Public Power District Cooper Nuclear Station
DATE/TIME	April 13, 2005; 6:00 p.m.(CST)
LOCATION	Brownville Concert Hall Brownville, Nebraska
NAME (PLEASE PRINT)	ORGANIZATION
Beth Boesch	NPPD
Bill MacCewitt	NPPD
Julia Schmitt	Nebraska HHS P&L
Jim Binstock	NEBRASKA EMERGENCY MGMT. AGENCY
JOHN WESTBROOK	NPPD

ENCLOSURE 2

NRC PRESENTATION SLIDES

Cooper Nuclear Station Annual Assessment Meeting

Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region IV
Brownville, NE
April 13, 2005

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address the licensee performance issues identified in the annual assessment letter
- Licensee will respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

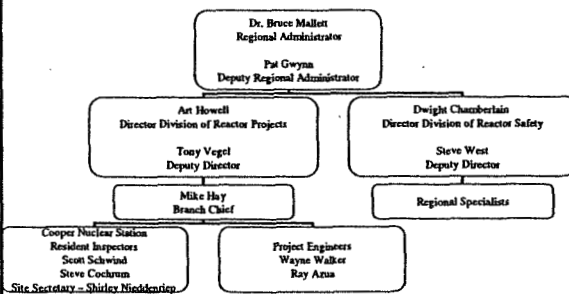
Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- NRC available to address public questions

NRC Representatives

- Scott Schwind, Senior Resident Inspector
 - (402) 825-3371
- Steve Cochrum, Resident Inspector
 - (402) 825-3371
- Mike Hay, Branch Chief
 - (817) 860-8144
- Art Howell, Director, Division of Reactor Projects
 - (817) 860-8248

Region IV Organization



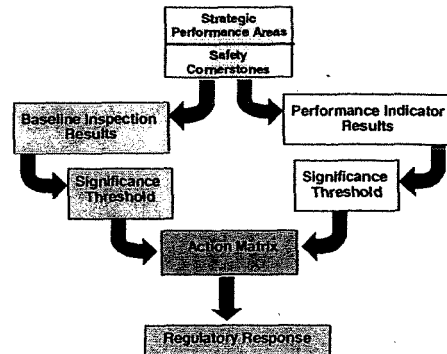
NRC Performance Goals

- Safety: Ensure protection of the public health and safety and the environment
- Security: Ensure the secure use and management of radioactive materials
- Openness: Ensure openness in our regulatory process
- Effectiveness: Ensure that NRC actions are effective, efficient, realistic, and timely
- Management: Ensure excellence in agency management to carry out the NRC strategic objective

End-of-Cycle Assessment Conclusion

- NPPD operated Cooper Nuclear Station in a manner that preserved public health and safety

Reactor Oversight Process



Examples of Baseline Inspections

- Engineering Team Inspection ~500 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr
- Equipment Alignment ~92 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~125 hrs/yr
- Emergency Preparedness ~80 hrs/yr
- Rad Release Controls ~100 hrs every 2 yrs
- Worker Radiation Protection ~100 hrs/yr
- Corrective Action Program ~200 hrs every 2 yrs

Significance Threshold

Performance Indicators

- Green:** Only Baseline Inspection
White: May increase NRC oversight
Yellow: Requires more NRC oversight
Red: Requires more NRC oversight

Inspection Findings

- Green:** Very low safety significant issue
White: Low to moderate safety significant issue
Yellow: Substantial safety significant issue
Red: High safety significant issue

Action Matrix Concept

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
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Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

National Summary of Plant Performance

Status at End of CY 2004

Licensee Response	78
Regulatory Response	21
Degraded Cornerstone	0
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
Total	102*

*Davis-Besse is in IMC 0350 process

National Summary	
<ul style="list-style-type: none"> ● Performance Indicator Results (at end of CY 2004) <ul style="list-style-type: none"> ▶ Green 1834 ▶ White 6 ▶ Yellow 0 ▶ Red 0 ● Total Inspection Findings (CY 2004) <ul style="list-style-type: none"> ▶ Green 778 ▶ White 11 ▶ Yellow 0 ▶ Red 0 	

Cooper Nuclear Station Inspection Activities
(Jan 1 - Dec 31, 2004)
<ul style="list-style-type: none"> ■ Resident Inspectors Expended Approximately 2769 Hours Inspecting Cooper Nuclear Station in 2004 ■ Region Based Inspectors Expended Approximately 1507 Hours Inspecting Cooper Nuclear Station in 2004 ■ Reactor Oversight Process Action Matrix Deviation Request ■ Closure of White Emergency Preparedness Findings (Regulatory Response Column)

Cooper Nuclear Station Inspection Activities
(Jan 1 - Dec 31, 2004)
<ul style="list-style-type: none"> ■ CAL Completion Assessment by NPPD ■ CAL Completion Inspection by NRC ■ Supplemental Inspections for White Performance Indicator-Unplanned Scrams and White Finding for Operator Requal Exam Failure Rate

Cooper Nuclear Station Assessment Results
(Jan 1 - Dec 31, 2004)
<ul style="list-style-type: none"> ● Most Recent Quarter was Within the Regulatory Response Column of the NRC's Action Matrix ● One Finding of Low to Moderate Significance (White) in the Mitigating Systems Cornerstone-Significant Number of Licensed Operator Requalification Written Examination Failures <ul style="list-style-type: none"> -Supplemental Inspection Completed ● Green Performance Indicator Results

Cooper Nuclear Station Assessment Results (Cont'd)
<ul style="list-style-type: none"> ● CAL Areas Were Satisfactorily Addressed and the CAL Was Closed (January 2005) ■ There Were a Number of Challenges in Both Human Performance and Problem Identification and Resolution – Substantive Crosscutting Issues Will Remain Open ■ During this Assessment Period Multiple Findings Were Identified in the Area of Human Performance <ul style="list-style-type: none"> -Procedural Compliance -Programmatic and Procedural Adequacy

Cooper Nuclear Station Assessment Results (Cont'd)
<ul style="list-style-type: none"> ■ During the Assessment Period There Were a Number of Findings in the Area of Problem Identification and Resolution <ul style="list-style-type: none"> -Identification -Correction of Equipment Problems

Cooper Nuclear Station Annual Assessment Summary

Jan 1 - Dec 31, 2004

- All Six CAL Areas Were Satisfactorily Addressed
- Most Recent Quarter Was Within the Regulatory Response Column of the NRC's Action Matrix
- Substantive Crosscutting Issues Will Remain Open Pending Further Assessment in 2005

Cooper Nuclear Station Annual Assessment Summary (cont'd)

Jan 1 - Dec 31, 2004

- NRC Plans to Conduct Baseline Inspections at Cooper Nuclear Station in 2005
 - Major Baseline Team Inspections in Engineering and Problem Identification and Resolution will be Conducted in the Near-Term to Assess Ongoing Improvement Initiatives in Human Performance, Material Condition and Corrective Action Program Implementation

Licensee Response and Remarks

Randy Edington
Vice President-Nuclear and Chief Nuclear Officer
Nebraska Public Power District

Contacting the NRC

- Report an emergency
 - ▶ (301) 816-5100 (call collect)
- Report a safety concern:
 - (800) 695-7403
 - ▶ Allegation@nrc.gov
- General information or questions
 - ▶ www.nrc.gov
 - ▶ Select "What We Do" for Public Affairs

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)

ENCLOSURE 3

NPPD PRESENTATION SLIDES

Annual Performance Assessment

Cooper Nuclear Station
April 13, 2005



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Randy Edington

Vice President Nuclear –
Chief Nuclear Officer



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Agenda

- | | |
|--------------------------------|----------------|
| ♦ Introduction | Randy Edington |
| ♦ Human Performance | Stu Minahan |
| ♦ Corrective Action
Program | Stu Minahan |
| ♦ Equipment Reliability | Gary Kline |
| ♦ Closing Remarks | Randy Edington |

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Stu Minahan

General Manager of Plant
Operations



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Human Performance



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Recent Activities

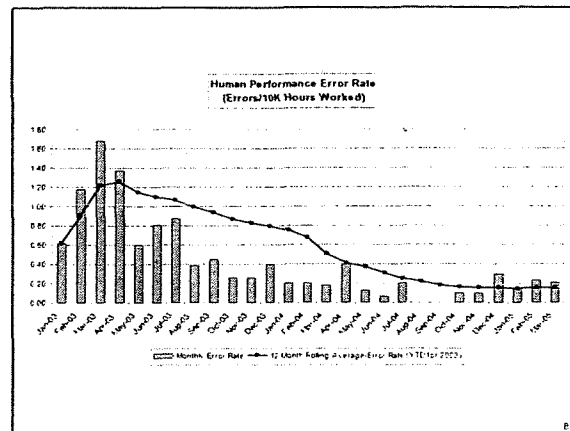
- ♦ Phase 3 Human Performance Training for All CNS and Supplemental ~~2~~ Employees
- ♦ Supervisory Focus Meetings
- ♦ Department Specific Training

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Upcoming Activities

- ◆ Industry and Fleet Solicitation
- ◆ Focused Self-Assessment May 2-6, 2005
- ◆ New Training Facility
- ◆ Department Specific Plans
- ◆ Leadership Focus

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Corrective Action Program



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Corrective Action Program

- ◆ Problem Identification:
 - IIIT – Continuing
 - 168 site personnel observed 90% of plant
 - Focus on First Line Supervisors
 - Increase focus on timely issuance of CRs
 - Review of Operation Log Activities
 - Improved SCWE in Problem ID area
 - Largest improvement
 - Improved Training on Trending for CIC's
 - ASQ Technician certification this summer
 - CNS Site "Trend" days to focus on continuous improvement

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Corrective Action Program

- ◆ Improve Quality and Effectiveness
 - ODMI Process
 - Improve interim action focus
 - Higher Tier Apparent Cause for Critical 1 Components
 - Detailed analysis template
 - CARB review
 - Continue 100% Review of Closures by CA&A Staff
 - Use of CAP to Improve Safety and Equipment
 - 7 of Top 10 Safety items
 - 4 of Top 10 Equipment items

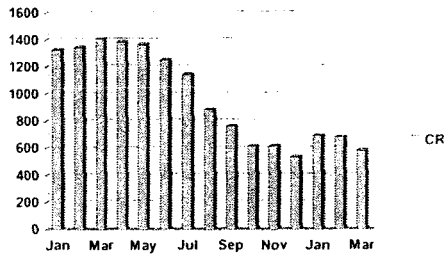
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Corrective Action Program

- ◆ Industry Visits Benchmarking CNS CAP
 - INPO (November 2004)
 - Peer meeting at H.B. Robinson
 - BRUCE (January 2005)
 - CAP performance indicators
 - Millstone (April 2005)
 - Backlog reduction
 - BNFL (England, May 2005)
 - CAP/HP processes
 - Palo Verde (April/May 2005)
 - CAP process

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Backlog Reduction



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Equipment Reliability

Gary Kline
General Manager,
Engineering



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Equipment Reliability

- ♦ Recent Accomplishments
- ♦ Summary Results
- ♦ Current Initiatives

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Recent Accomplishments

- ♦ Feedwater Check Valve Replacement
- ♦ AOV / MOV Valve Scope
- ♦ Degraded Cable Replacement
- ♦ AOG 2 Train Restoration
- ♦ Reactor Building Ventilation Controls
- ♦ MIC Safe Harbor Removal – Service Water
- ♦ RHR SW Valve Replacements

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Recent Accomplishments (cont.)

- ♦ LP Rotor Replacement
- ♦ Rebuilt Condensate / Feedwater Heater Trains
- ♦ SIL 131 Implementation
- ♦ Additional Troubleshooting Capability - Feedwater

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Summary Results

- ♦ 4 Red Systems Reduced to 1
- ♦ 4 Temp Alterations Reduced to 1
- ♦ Overall System Health Improved
- ♦ 54 Days Continuous Operation
- ♦ No Unplanned Downpowers
- ♦ Chemistry Index 1.00
- ♦ OWC Reliability 95% and Increasing

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Current Initiatives

- ◆ Reactor Vessel Level Control
- ◆ Feedwater Speed Control
- ◆ Circulating Water Intake
- ◆ Service Water Gland Water Duplex Strainers
- ◆ Drywell Fan Coil Unit Strategy
- ◆ APRM Noise Filter
- ◆ Complete PMO Project

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Closing Remarks

Randy Edington



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