



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

June 25, 2007

Stewart B. Minahan, Vice  
President-Nuclear and CNO  
Nebraska Public Power District  
72676 648A Avenue  
Brownville, NE 68321

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

Dear Mr. Minahan:

This refers to the meeting conducted at the Brownville Concert Hall in Brownville, Nebraska, on June 21, 2007. The purpose of this meeting was to present the Nuclear Regulatory Commission's (NRC's) assessment of Cooper Nuclear Station's safety performance between January 1 and December 31, 2006. 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 management system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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

Sincerely,

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

Docket: 50-298  
License: DPR-46

Enclosures:

1. Attendance List
2. NRC and NPPD Presentation Slides

cc w/enclosures:

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Nebraska Public Power District

- 4 -

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### NRC PUBLIC MEETING ATTENDANCE

<b>LICENSEE/FACILITY</b>	Nebraska Public Power District Cooper Nuclear Station
<b>DATE/TIME</b>	June 21, 2007; 4:00 pm (CST)
<b>LOCATION</b>	Brownville Concert Hall, Brownville, Nebraska
<b>NAME (PLEASE PRINT)</b>	<b>ORGANIZATION</b>
TODD HOTOVY	NPPD / CNS
David Nelson Madson	NPPD / CNS
Alex C. Dostal	NPPD / CGO
E.M. MACE	NPPD / CNS
Robert Beilke	NPPD / CNS
BARB STRAMEL	NPPD / CNS
Mestelle Bouch	NPPD / CNS
Norene Robinson	NPPD / CNS
Dan Beaman	NPPD / CNS
Darrell Wellman	Auburn Newspaper
John Christensen	NPPD
Mark Becker	NPPD

**NRC PUBLIC MEETING ATTENDANCE**

<b>LICENSEE/FACILITY</b>	Nebraska Public Power District Cooper Nuclear Station
<b>DATE/TIME</b>	June 21, 2007; 4:00 pm (CST)
<b>LOCATION</b>	Brownville Concert Hall, Brownville, Nebraska
<b>NAME (PLEASE PRINT)</b>	<b>ORGANIZATION</b>
Howard Shuman	NE HSS
Bob Hutton	Commissioner
Jon Schwarz	NEBRASKA EMERGENCY MGMT AGENCY.
Dave Oshlo	NPPD
Tom Carson	NPPD
Ron Asche	NPPD
Mike Tackett	NPPD
Amy Taylor	Concerned Citizen
Brenda Debor	interested citizen
Butch Bresler	NPPD
DAVID MONTGOMERY	NPPD
ROMAN ESTRADA	NPPD
AARIC MITCHELL	CNS-

# Cooper Nuclear Station

## Annual Assessment Meeting

Reactor Oversight Program - CY 2006



Nuclear Regulatory Commission - Region IV

Brownville, Nebraska

June 21, 2007

## **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
- The licensee will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

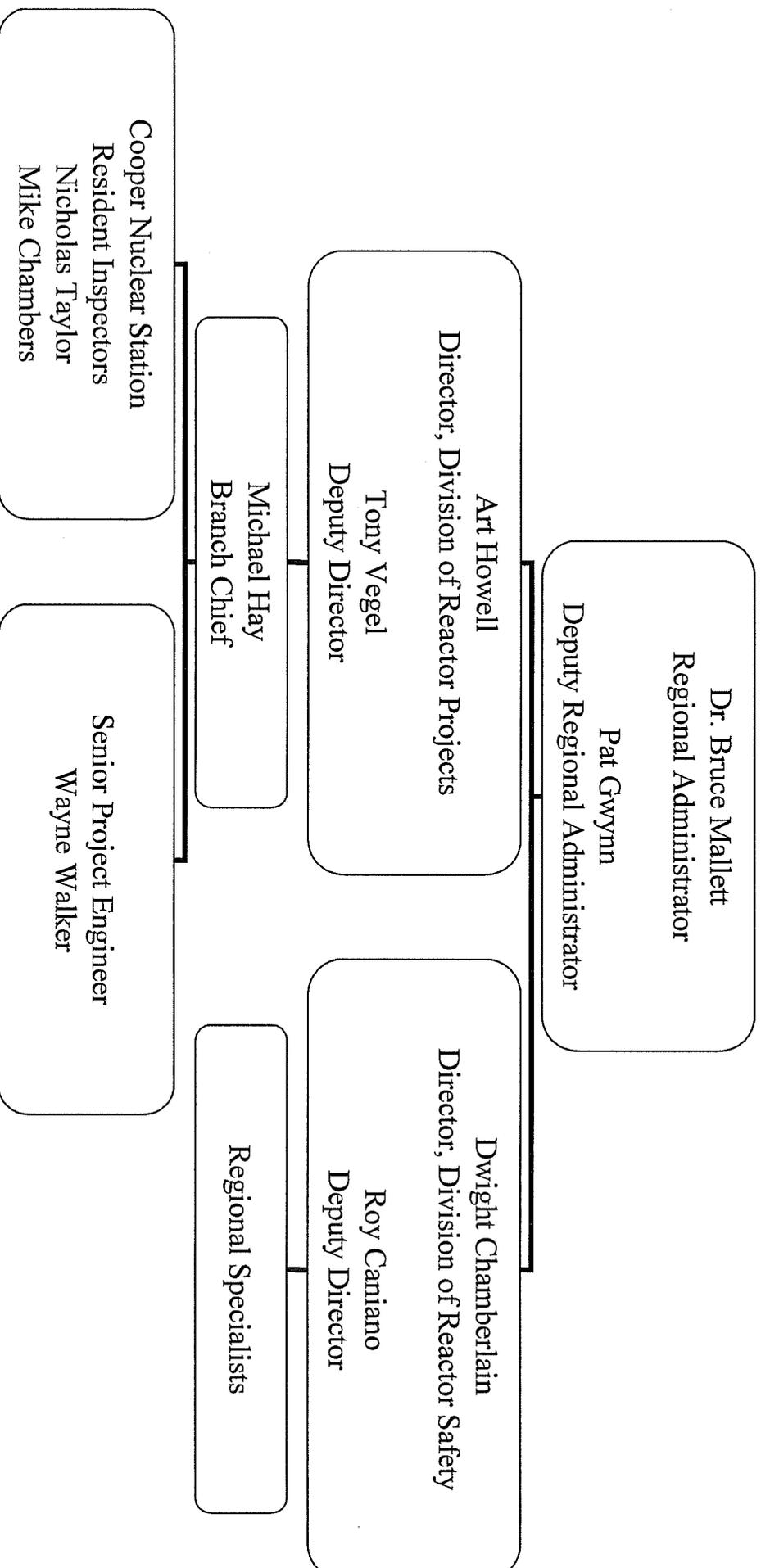
# Agenda

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

# Region IV Organization

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# **NRC Representatives**

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- **Michael Hay, Branch Chief**
- **Nicholas Taylor, Senior Resident Inspector**

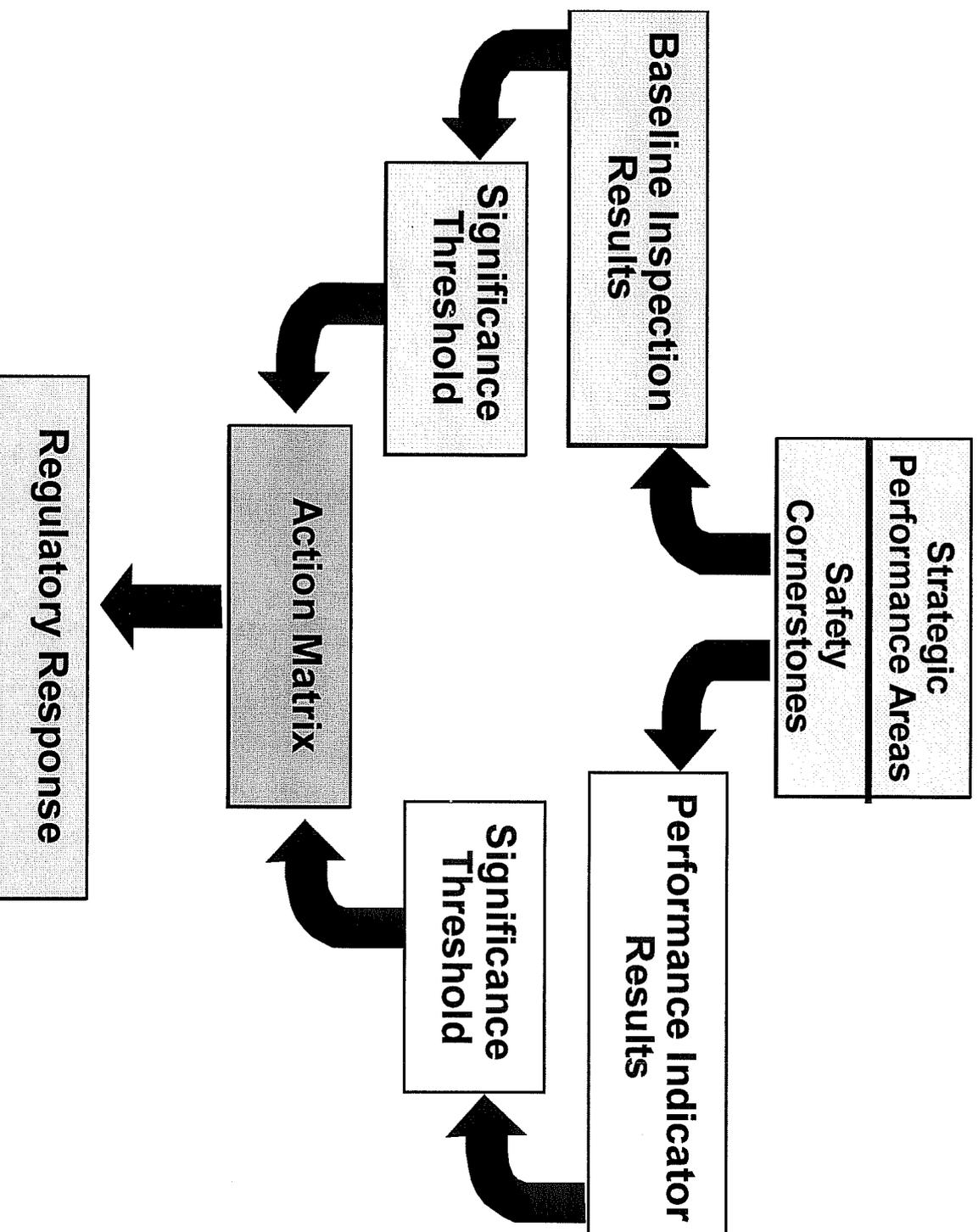
# **NRC Performance Goals**

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- **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 objectives

# Reactor Oversight Process

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## **Examples of Baseline Inspections**

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- **Equipment Alignment** ~80 hrs/yr
- **Triennial Fire Protection** ~200 hrs every 3 yrs
- **Operator Response** ~125 hrs/yr
- **Emergency Preparedness** ~80 hrs/yr
- **Rad Release Controls** ~110 hrs every 2 yrs
- **Worker Radiation Protection** ~90 hrs/yr
- **Corrective Action Program** ~250 hrs every 2 yrs
- **Corrective Action Case Reviews** ~60 hrs/yr

# **Cooper Inspection Activities**

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(January 1 - December 31, 2006)

- Resident Inspectors Expended Approximately 2200 Hours Inspecting Cooper Nuclear Station in 2006
- Region Based Inspectors Expended Approximately 1100 Hours Inspecting Cooper Nuclear Station in 2006

# **Cooper Inspection Activities**

(January 1 - December 31, 2006)

- Refueling Outage RE23 October - November 2006
- Special Inspection for Inadequate Corrective Actions  
Regarding Service Water Strainer Fouling

## **Significance Threshold**

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### **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 issue
- White:** Low to moderate safety issue
- Yellow:** Substantial safety issue
- Red:** High safety issue

## National Summary

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- **Performance Indicator Results (at end of CY 2006)**
  - ▶ **Green** 1843
  - ▶ **White** 11
  - ▶ **Yellow** 0
  - ▶ **Red** 0
- **Total Inspection Findings (CY 2006)**
  - ▶ **Green** 676
  - ▶ **White** 13
  - ▶ **Yellow** 0
  - ▶ **Red** 0

# Action Matrix Concept

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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

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Status at End of CY 2006

Licensee Response	70
Regulatory Response	24
Degraded Cornerstone	6
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
Total	103

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# **Cooper Assessment Results**

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(January 1 - December 31, 2006)

- Licensee Response Column of the NRC Action Matrix
- No Greater Than Green Inspection Findings or Performance Indicators
- Human Performance Cross-Cutting Issue - Opened

# Cooper

## Annual Assessment Summary

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January 1 - December 31, 2006

- NPPD operated Cooper Nuclear Station in a manner that preserved public health and safety
- All cornerstone objectives were met with all findings identified as Green
- In addition to baseline inspection efforts, the NRC will conduct Inspection Procedure 95001, “Inspection for One or Two White Inputs in a Strategic Performance Area” based on Cooper’s report of a White performance indicator (Mitigating Systems Performance Index Emergency AC Power System) in first quarter 2007
- Additional focus on the cross-cutting issue of Human Performance

# **Licensee Response and Remarks**

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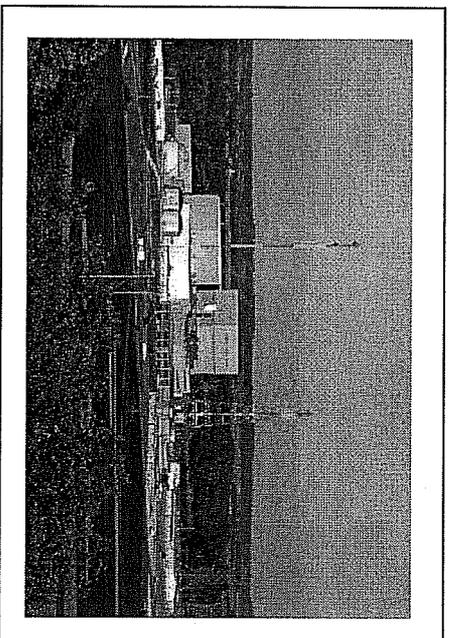
Stewart B. Minahan

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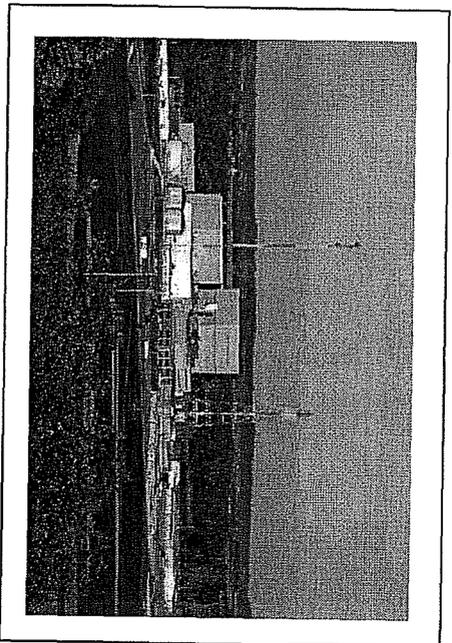
# Annual Assessment Meeting

Cooper Nuclear Station  
June 21, 2007



# **Stu Minahan**

**Vice President Nuclear –  
Chief Nuclear Officer**

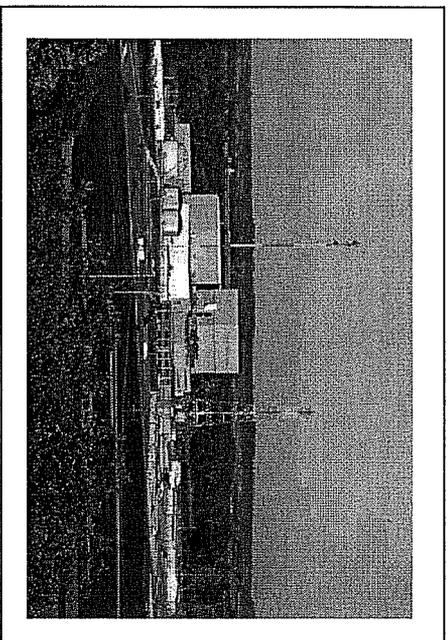


# Agenda

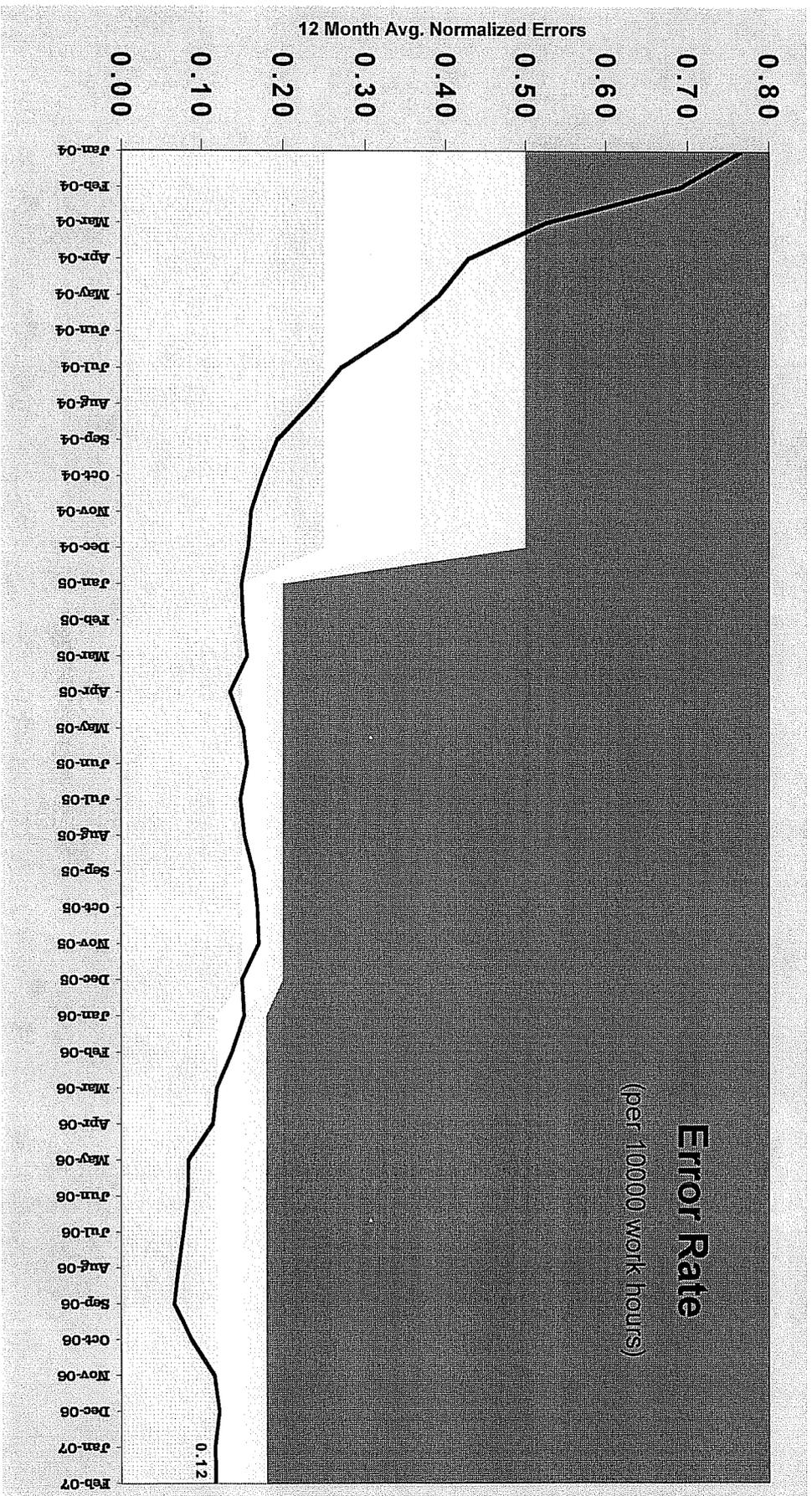
- ◆ Introduction                      Stu Minahan
- ◆ Human Performance            Mike Colomb
  - Performance History
  - Current Performance
- ◆ Closing Remarks                Stu Minahan

**Mike Colomb**

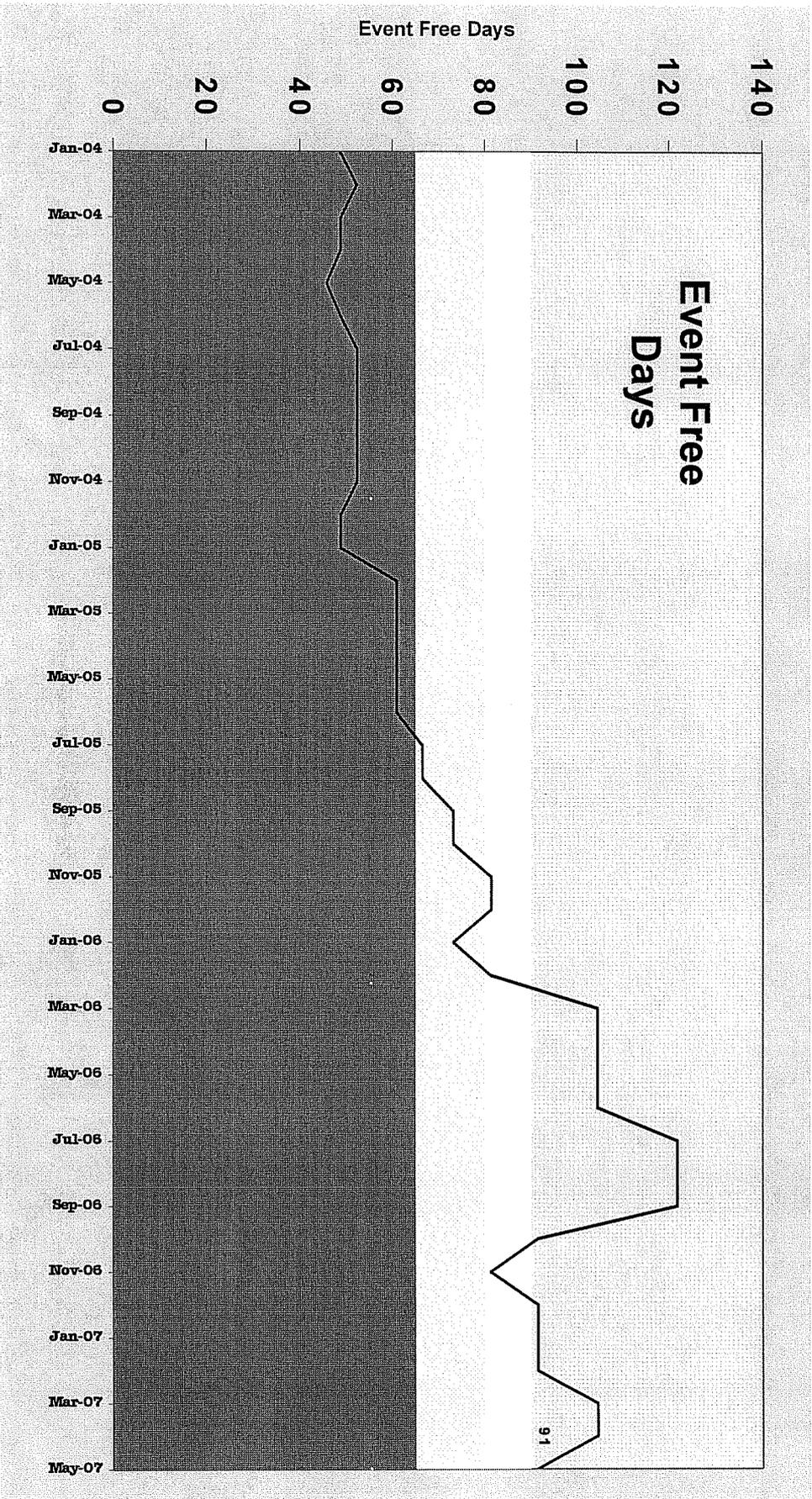
**General Manager –  
Plant Operations**



# Performance History



# Performance History

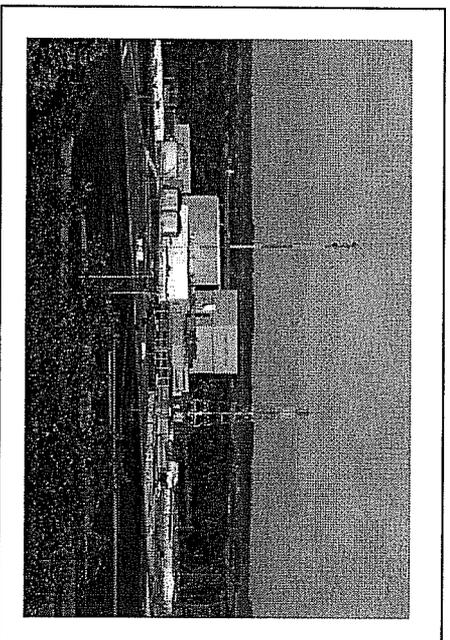


# Current Performance

- ◆ Substantive Cross Cutting Issue - HU
- ◆ Analysis using External Expertise
- ◆ Focus on Preventing Events
- ◆ Procedure Adherence
- ◆ Actions Taken
- ◆ Actions Planned

# Closing Remarks

Stu Minahan



## Contacting the NRC

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- To report an emergency
  - ▶ (301) 816-5100 (call collect)
- To report a safety concern:
  - ▶ (800) 695-7403
  - ▶ [Allegation@nrc.gov](mailto:Allegation@nrc.gov)
- For general information or questions
  - ▶ [www.nrc.gov](http://www.nrc.gov)
  - ▶ Select “What We Do” for Public Affairs

## Reference Sources

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- 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)

Electronic distribution by RIV:  
 Regional Administrator **(BSM1)**  
 DRP Director **(ATH)**  
 DRS Director **(RJC1)**  
 DRS Deputy Director **(WBJ)**  
 Senior Resident Inspector **(NHT)**  
 Branch Chief, DRP/C **(MCH2)**  
 Senior Project Engineer, DRP/C **(WCW)**  
 Team Leader, DRP/TSS **(CJP)**  
 RITS Coordinator **(MSH3)**

SUNSI Review Completed:  <sup>WCW</sup> ADAMS:  Yes  No Initials: \_\_wcw\_\_  
 Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

R:\ REACTORS\EOC and Midcycle\Meeting Summaries\Held in 2007\CN6-21-07MS-EOC.wpd

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