

Duane Arnold Annual Assessment Meeting

Reactor Oversight Program - CY 2003



Nuclear Regulatory Commission - Region 3

Palo, Iowa

April 5, 2004

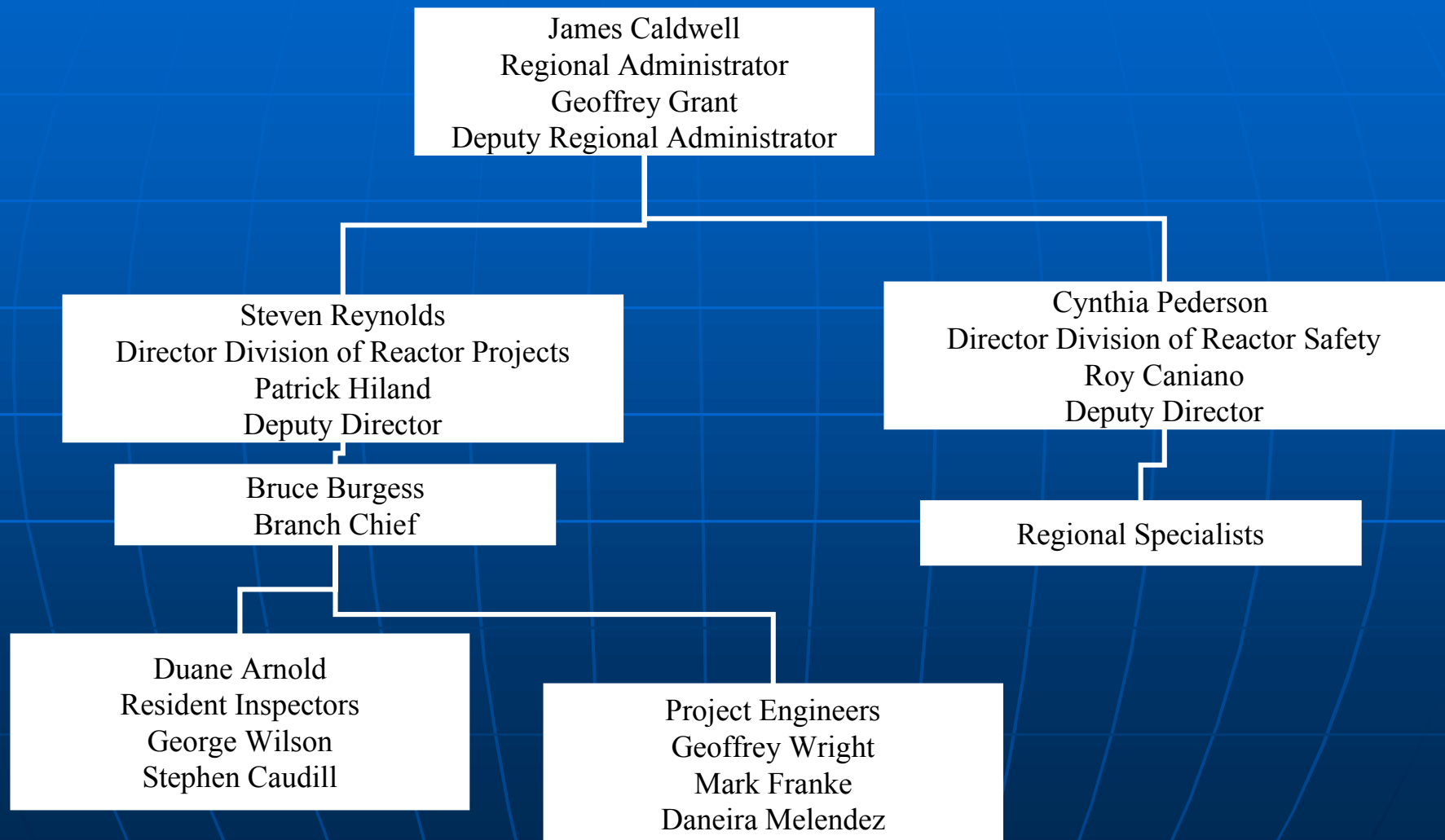
Agenda

- 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

NRC Representatives

- Steven Reynolds, Acting Director, DRP
 - (630) 829-9600
- Patrick Hiland, Acting Deputy Division Director, DRP
 - (630) 829-9601
- David Beaulieu, Project Manager, NRR
 - (301) 415-3243
- George Wilson, Senior Resident Inspector
 - (319) 851-5111
- Stephen Caudill, Resident Inspector
 - (319) 851-5111
- Geoffrey Wright, Senior Project Engineer
 - (630) 829-9602
- Bruce Burgess, Branch Chief
 - (630) 829-9629

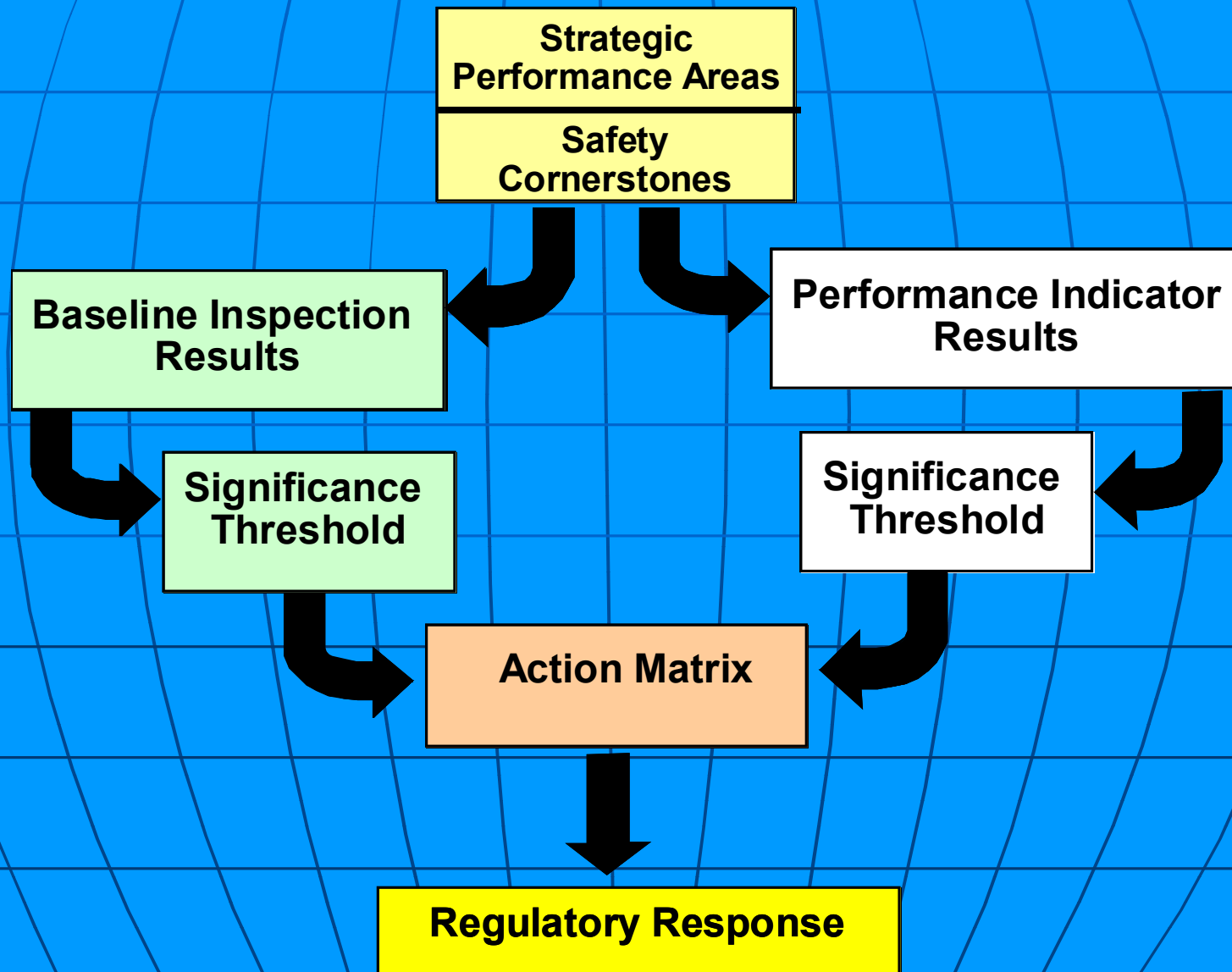
Region 3 Organization



NRC Performance Goals

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

Reactor Oversight Process



Examples of Baseline Inspections

- 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
- Corrective Action Case Reviews ~60 hrs/yr

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

Action Matrix Concept



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

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

National Summary of Plant Performance

Status at End of CY 2003

| | |
|--|----------|
| Licensee Response | 75 |
| Regulatory Response | 22 |
| Degraded Cornerstone | 2 |
| Multiple/Repetitive Degraded Cornerstone | 3 |
| Unacceptable | <u>0</u> |
| <hr/> Total | 102* |

*Davis-Besse is in IMC 0350 process

National Summary

- Performance Indicator Results (at end of CY 2003)

| | |
|----------|------|
| ▶ Green | 1825 |
| ▶ White | 15 |
| ▶ Yellow | 0 |
| ▶ Red | 0 |

- Total Inspection Findings (at the end of CY 2003)

| | |
|----------|-----|
| ▶ Green | 748 |
| ▶ White | 19 |
| ▶ Yellow | 2 |
| ▶ Red | 4 |

Duane Arnold Assessment Results

(Jan 1 - Dec 31, 2003)

- Licensee Response Column of Action Matrix with all Green PIs and inspection findings
- No supplemental or special inspections

Safety Significant Findings or PIs

- None

Duane Arnold Inspection Activities

(Jan 1 - Dec 31, 2003)

- Baseline Inspection Hours for 2003 was approximately 2054 hours
- Regional Inspector Inspections
 - In-service Inspection
 - Biennial Maintenance Rule Inspection
 - Biennial Heat Exchanger Inspection
 - Emergency Preparedness Inspections
 - Security Inspections
 - Radiation Protection Inspections
 - Operator Licensing Inspections

Duane Arnold Inspection Activities

(Jan 1 - Dec 31, 2003)

- Major Team Inspections
 - Triennial Fire Protection
 - Biennial Problem Identification & Resolution
 - Biennial Plant Modifications
 - Dry Cask Storage

Duane Arnold Inspection Activities

(Jan 1 - Dec 31, 2003)

- Refueling Outage Number 18 (March 23-April 20, 2003)
- Five Forced Outages
 - Condenser Tube Leak (February 1-14, 2003)
 - Condenser Tube Leak (November 2-6, 2003)
 - High Reactor Conductivity (November 7-8, 2003)
 - High Condenser Air In-Leakage (November 18-25, 2003)
 - Condenser Weld Repair (November 25-December 5, 2003)

Duane Arnold Inspection Activities

(Jan 1 - Dec 31, 2003)

- There were a total of 22 Green inspection findings during this assessment period.
 - Four Green findings associated with Initiating Events
 - Fifteen Green findings associated with Mitigating Systems
 - One Green finding associated with Barrier Integrity
 - Two Green findings associated with Public Radiation Safety

Duane Arnold

Annual Assessment Summary

January 1 - December 31, 2003

- NMC operated Duane Arnold Energy Center in a manner that preserved public health and safety
- All cornerstone objectives were met
- NRC plans baseline inspections at Duane Arnold Energy Center for the remainder of the assessment period

Licensee Response and Remarks

Mr. Mark Peifer
Site Vice President
Nuclear Management Company

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)