

Dresden Annual Assessment Meeting

Reactor Oversight Program - CY 2004



Nuclear Regulatory Commission - Region III
Lisle, Illinois

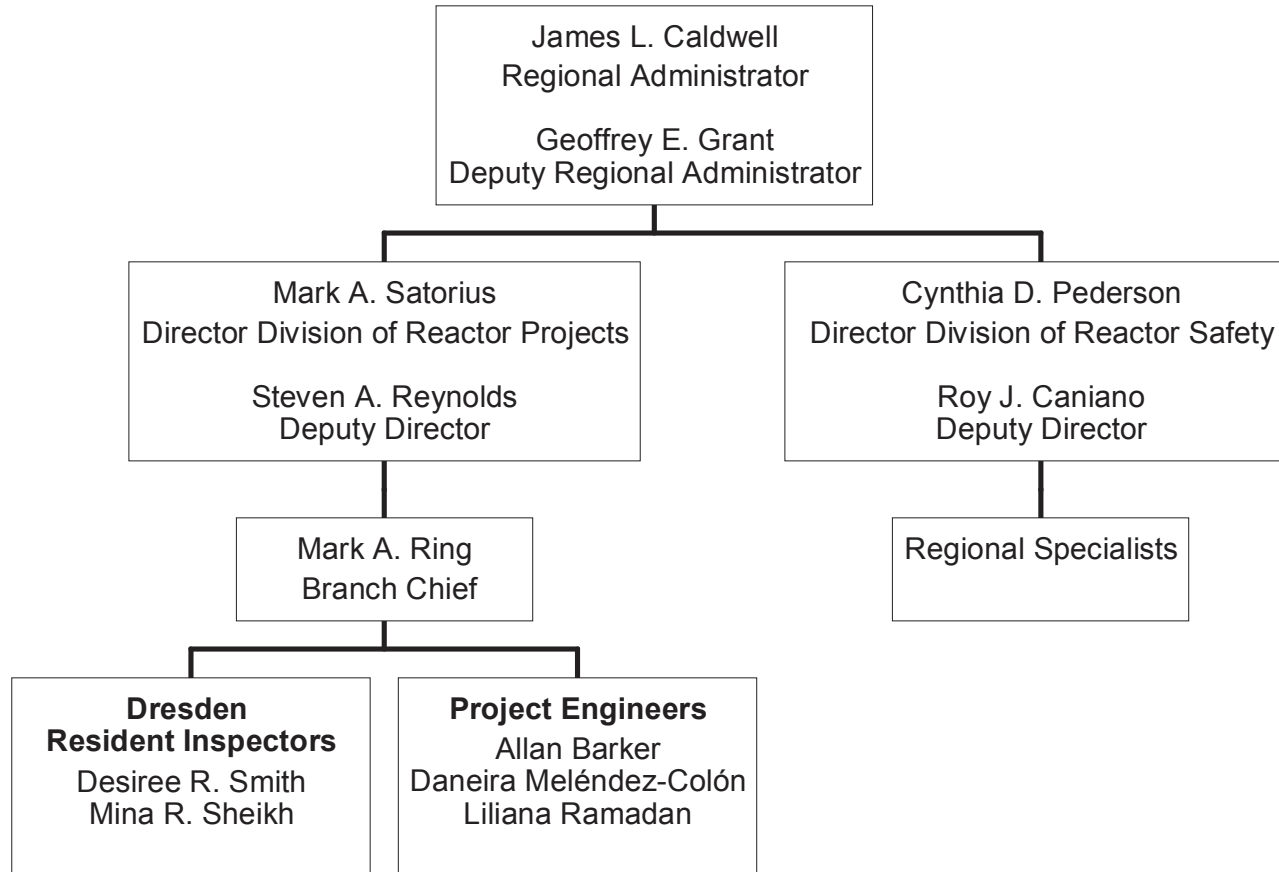
Agenda

- 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

- Mark A. Satorius, Director, Division Reactor Projects
 - (630) 829-9600
- Steven A. Reynolds, Deputy Division Director, DRP
 - (630) 829-9601
- Maitri Banerjee, Project Manager, NRR
 - (301) 415-2277
- Desiree R. Smith, Senior Resident Inspector
 - (815) 942-9267
- Mina R. Sheikh, Resident Inspector
 - (815) 942-9267
- Allan Barker, Senior Project Engineer
 - (630) 829-9679
- Mark A. Ring, Branch Chief
 - (630) 829-9703

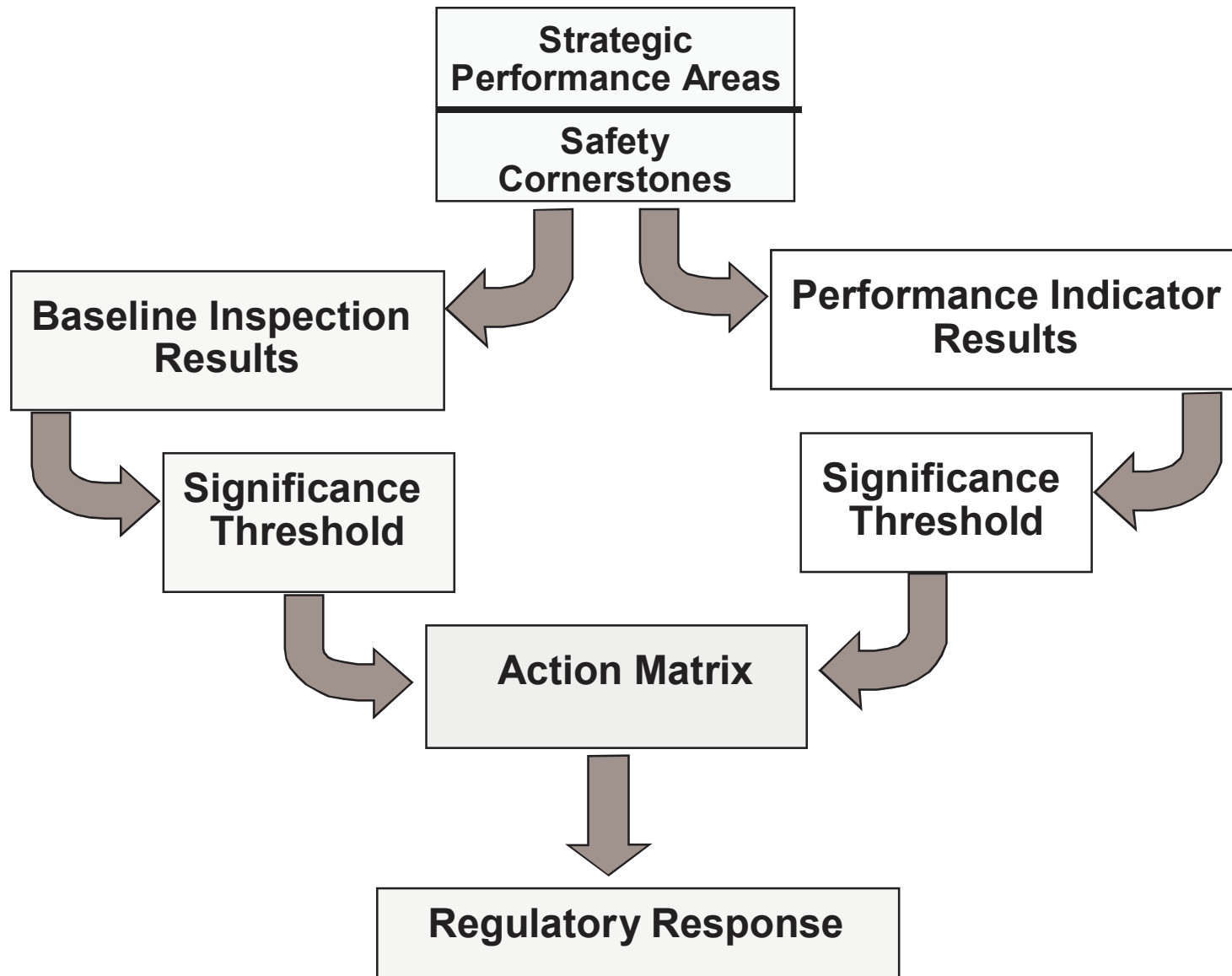
Region III Organization



NRC Performance Goals

- Safety: Ensure protection of the public health and safety and the environment
- Security: Enhance 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's strategic objectives

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

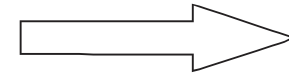
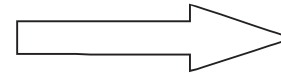
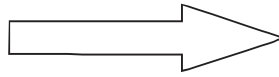
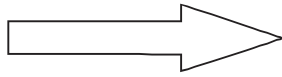
Green:	Only Baseline Inspection
White:	May increase NRC oversight
Yellow:	Requires more NRC oversight
Red:	Requires more NRC oversight

Inspection Findings

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

Action Matrix Concept

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

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 2004

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

*Davis-Besse is in IMC 0350 process

National Summary

- Performance Indicator Results (at end of CY 2004)

- < **Green** 1834

- < **White** 6

- < **Yellow** 0

- < **Red** 0

- Total Inspection Findings (CY 2004)

- < **Green** 778

- < **White** 11

- < **Yellow** 0

- < **Red** 0

Dresden Assessment Results

(Jan 1 - Dec 31, 2004)

- Licensee Response Column of Action Matrix
- Special Inspection on Unit 3 Loss of Offsite Power in May 2004 -resulted in three self-revealed Green Findings
- Supplemental Inspection (95001) for Scrams in October 2004 - no significant findings identified

Safety Significant Findings or PIs

- No greater than Green Findings
- No greater than Green Performance Indicators at the end of the year
 - < White PI on Unit 3 Safety System Unavailability from 2001 HPCI Waterhammer turned Green in 3Q2004
 - < White PI on Unit 2 Unplanned Scrams in 2Q2004, completed Supplemental Inspection, PI turned Green in 3Q2004
- Continued Substantive Cross-Cutting Issue in Human Performance

Dresden Inspection Activities

(Jan 1 - Dec 31, 2004)

- 27 Green Findings
- Problem Identification & Resolution Inspection -February 2004
- Special Inspection on Unit 3 Loss of Offsite Power -May 2004
- IP 95001 Supplemental Inspection for scrams PI -October 2004
 - < January 24 - Unit 3 scrammed due to the failure of the master trip solenoid valve
 - < January 30 - Unit 3 experienced a turbine trip followed by a reactor scram
 - < April 24 - Unit 2 scrammed due to a Group 1 isolation
 - < April 28 - Unit 2 manually scrammed due to a trip of the 2 'A' reactor recirculation pump
 - < May 5 - Unit 3 scrammed due to a loss of offsite power

Dresden Inspection Activities (continued)

(Jan 1 - Dec 31, 2004)

- License Renewal for Units 2 & 3 - October 2004
- Unit 3 Refueling Outage - October 2004
 - < Cracking identified on steam dryer and main generator rotor
 - < Repair of steam dryer and main generator rotor shaft
- Unit 2 main generator and steam dryer inspection -November 2004
 - < Cracking identified on steam dryer and main generator rotor
 - < Repair of steam dryer and main generator rotor

Dresden

Annual Assessment Summary

January 1- December 31, 2004

- Exelon operated Dresden Units 2 & 3 in a manner that preserved public health and safety
- All cornerstone objectives were met with only one White PI identified (Unplanned Scrams per 7000 Critical Hours) which subsequently turned Green
- NRC plans baseline inspections at Dresden for the remainder of the assessment period and IP 71004, Extended Power Uprate (EPU), if Exelon decides to replace the steam dryers

Licensee Response and Remarks

Danny Bost
Dresden Site Vice President
Exelon Generation 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)