

Annual Assessment Meeting

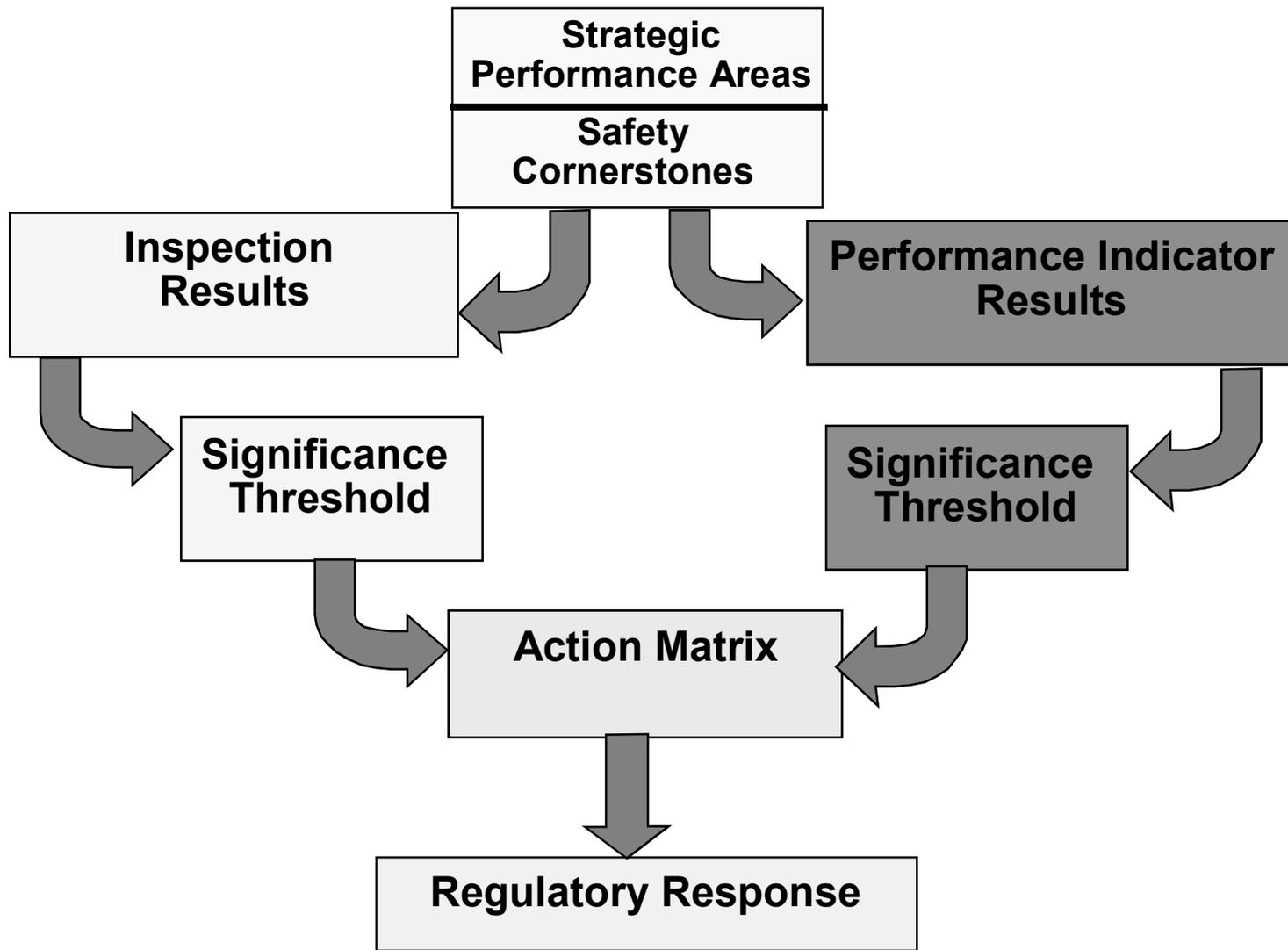


Nuclear Regulatory Commission

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

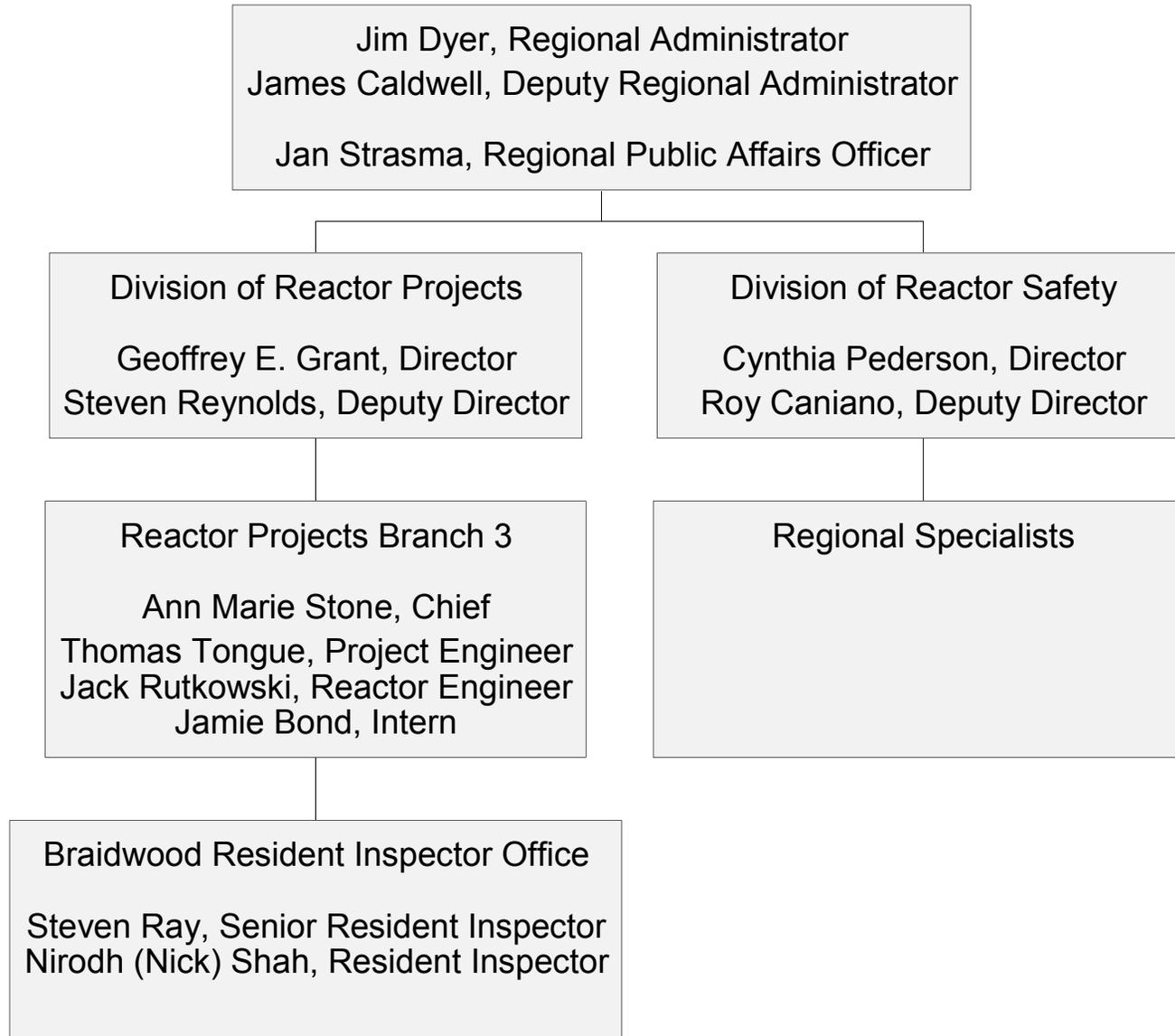
Reactor Oversight Process



Key Aspects of the Assessment Program

- Objective review of licensee performance
- “Action Matrix” identifies agency response commensurate with safety significance
- Increasing safety significance results in:
 - Increased levels of inspection
 - Involvement of higher levels of NRC and Licensee management
 - Increased regulatory action
- Plant specific assessment information on NRC public web site

Regional Organization



Annual Licensee Assessment 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

ROP Action Matrix Summary for 2002

- Column 1 - Licensee Response
- Column 2 - Regulatory Response
- Column 3 - Degraded Cornerstone
- Column 4 - Multiple/ Repetitive Degraded Cornerstone
- Column 5 - Unacceptable Performance

(Nationwide number does not contain Davis Besse)

	Column 1	Column 2	Column 3	Column 4	Column 5
Nationwide	59	33	7	3	0
Region I	9	14	2	1	0
Region II	26	4	1	1	0
Region III	11	10	2	0	0
Region IV	13	5	2	1	0

Security & Safeguards Update

- Creation of Office of Nuclear Security and Incident Response
- Top-to-Bottom Review of Security Program Initiated
- Issuance of Orders/ Interim Compensatory Measures (ICM)
- Verification of Licensee Actions on ICM

Security & Safeguards Update

- Proposed Revisions to Design Basis Threat
- Pending Orders on Fatigue/Guard Training
- Initiation of Pilot Force-on-Force Exercise Program

Plant Information

- Name of Plant: Braidwood Station, Units 1 and 2
- Plant Operator: Exelon
- Number of Units: 2
- Reactor Type and Vendor: PWR/W
- Location: Braidwood, IL
- Power Output (thermal): 3586.6 megawatts
- Source of Circulating Water: Kankakee River

Major Plant Activities in 2002

Braidwood Station, Unit 1

- Unit operated at or near full power throughout the assessment period

Major Plant Activities in 2002

Braidwood Station, Unit 2

- Reactor shutdown for refueling outage (4/20/02)
- 75% power reduction for repairs to feedwater isolation valve (5/28/02)
- Reactor shutdown for rod control troubleshooting and repairs (8/27/02)
- 12% power reduction to address problem with feedwater heaters (11/01/02)

Major Plant Activities in 2002

Braidwood Station, Unit 2 (continued)

- 72% power reduction for testing of feedwater isolation valves (11/02/02)
- 76% power reduction and electric generator taken off electrical grid for balancing (12/26/02)

Plant Performance Summary

Braidwood Station, Unit 2

- **11 GREEN Findings**
 - ▶ Maintenance errors
 - ▶ Failure to maintain proper operational configuration
 - ▶ Failure to follow procedures
 - ▶ Inadequate procedures
 - ▶ Failure to adequately evaluate conditions

- **All Performance Indicators Within GREEN Band**

Plant Performance Summary

Braidwood Station, Unit 2

- Operated Safely
- Fully met all Cornerstone Objectives
- Licensee Response Band of NRC Action Matrix

Plant Performance Summary

Braidwood Station, Unit 1

- **6 GREEN Findings**
 - ▶ Failure to follow procedures
 - ▶ Failure to maintain proper operational configuration
 - ▶ Inadequate procedures

- **All Performance Indicators Presently Within GREEN Band**

Greater than GREEN Findings and PIs

Braidwood Station, Unit 1

- 1 WHITE Finding (2/22/2002)
 - ▶ Inoperable Pressurizer Power Operated Relief Air Accumulator Check Valves
 - ▶ Failure to identify cause and prevent recurrence
 - ▶ Mitigation System Cornerstone

- 1 Performance Indicator within WHITE band
 - ▶ Auxiliary Feedwater System Unavailability
 - ▶ 1st and 2nd Quarters 2002
 - ▶ Mitigation System Cornerstone

Greater Than Green Results and Requirements

Braidwood Station, Unit 1

- Degraded Cornerstone Band (1st and 2nd quarters, 2002)
- Required Actions
 - ▶ Licensee self-assessment with NRC oversight
 - ▶ NRC perform supplemental inspection
 - ▶ NRC discuss Licensee performance with Licensee
- Regulatory Response Band (3rd and 4th quarters, 2002)

Supplemental Inspection

Braidwood Station, Unit 1

■ Purpose

- ▶ Assure Root Cause for individual and collective concerns are understood
- ▶ Independently assess extent of condition
- ▶ Assure Licensee corrective actions are appropriate to prevent recurrence

■ Conducted November 4 - December 4, 2002

Supplemental Inspection Results

Braidwood Station, Unit 1

- **Report Conclusions**
 - ▶ Unit Operated Safety
 - ▶ No additional findings or violations
 - ▶ Liscensee investigation was in-depth
 - ▶ Extent of condition addressed Generic Concerns
 - ▶ Planned corrective actions appear adequate to prevent recurrence

- **NRC Problem Identification and Resolution Inspection Scheduled for 2003**

Plant Performance Summary

Braidwood Station, Unit 1

- Operated Safely
- Met Cornerstone Objectives
- Regulatory Response Band of NRC Action Matrix

Contacts for additional information for:

Braidwood Station, Units 1 and 2

- Regional Public Affairs Officer:
 - ▶ Name: Jan Strasma
 - ▶ Phone: 630-829-9663
- State Liaison Officer:
 - ▶ Name: Roland Lickus
 - ▶ Phone: 630-829-9660
- Branch Chief:
 - ▶ Name: Ann Marie Stone
 - ▶ Phone: 630-829-9729
- Senior Resident Inspector:
 - ▶ Name: Steve Ray
 - ▶ Phone: 815-458-2852

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

An Action Matrix is used to assess overall plant safety performance and specify thresholds for NRC Enforcement Actions

	Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/ Repetitive Degraded Cornerstone Column	Unacceptable Performance Column	
R E S U L T S		All Assessment Inputs (Performance Indicators (PIs) and Inspection Findings) Green; Cornerstone Objectives Fully Met	One or Two White Inputs (in different cornerstones) in a Strategic Performance Area; Cornerstone Objectives Fully Met	One Degraded Cornerstone (2 White Inputs or 1 Yellow Input) or any 3 White Inputs in a Strategic Performance Area; Cornerstone Objectives Met with Minimal Reduction in Safety Margin	Repetitive Degraded Cornerstone, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or 1 Red Input; Cornerstone Objectives Met with Longstanding Issues or Significant Reduction in Safety Margin	Overall Unacceptable Performance; Plants Not Permitted to Operate Within this Band, Unacceptable Margin to Safety
R E S P O N S E	Regulatory Performance Meeting	None	Branch Chief (BC) or Division Director (DD) Meet with Licensee	DD or Regional Administrator (RA) Meet with Licensee	RA (or EDO) Meet with Senior Licensee Management	Commission meeting with Senior Licensee Management
	Licensee Action	Licensee Corrective Action	Licensee root cause evaluation and corrective action with NRC Oversight	Licensee Self Assessment with NRC Oversight	Licensee Performance Improvement Plan with NRC Oversight	
	NRC Inspection	Risk-Informed Baseline Inspection Program	Baseline and supplemental inspection procedure 95001	Baseline and supplemental inspection procedure 95002	Baseline and supplemental inspection procedure 95003	
	Regulatory Actions	None	Supplemental inspection only	Supplemental inspection only	-10 CFR 2.204 DFI -10 CFR 50.54(f) Letter - CAL/Order	Order to Modify, Suspend, or Revoke Licensed Activities
C O M M U N I C A T I O N	Assessment Letters	BC or DD review/sign assessment report (w/ inspection plan)	DD review/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w/ inspection plan) Commission Informed	
	Annual Public Meeting	SRI or BC Meet with Licensee	BC or DD Meet with Licensee	RA (or designee) Discuss Performance with Licensee	EDO (or Commission) Discuss Performance with Senior Licensee Management	Commission Meeting with Senior Licensee Management
INCREASING SAFETY SIGNIFICANCE ----->						

Significance Threshold

Inspection Findings

Green: Very low safety issue

White: Low to moderate safety issue

Yellow: Substantial safety issue

Red: High safety issue