

# Indian Point Units 2 and 3 Annual Assessment Meeting

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Reactor Oversight Program  
2004 Assessment



Nuclear Regulatory Commission - Region 1  
King of Prussia, PA  
May 10, 2005

# Agenda

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- Introduction
- Review of Reactor Oversight Process (ROP)
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC Available to Address Public Questions

# Purpose of Today's Meeting

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- Public Forum for Discussion of Reactor Safety and Security Performance at Indian Point (IP)
- NRC Presentation of the 2004 Annual Assessment
- Entergy Assessment Response and Performance Discussion

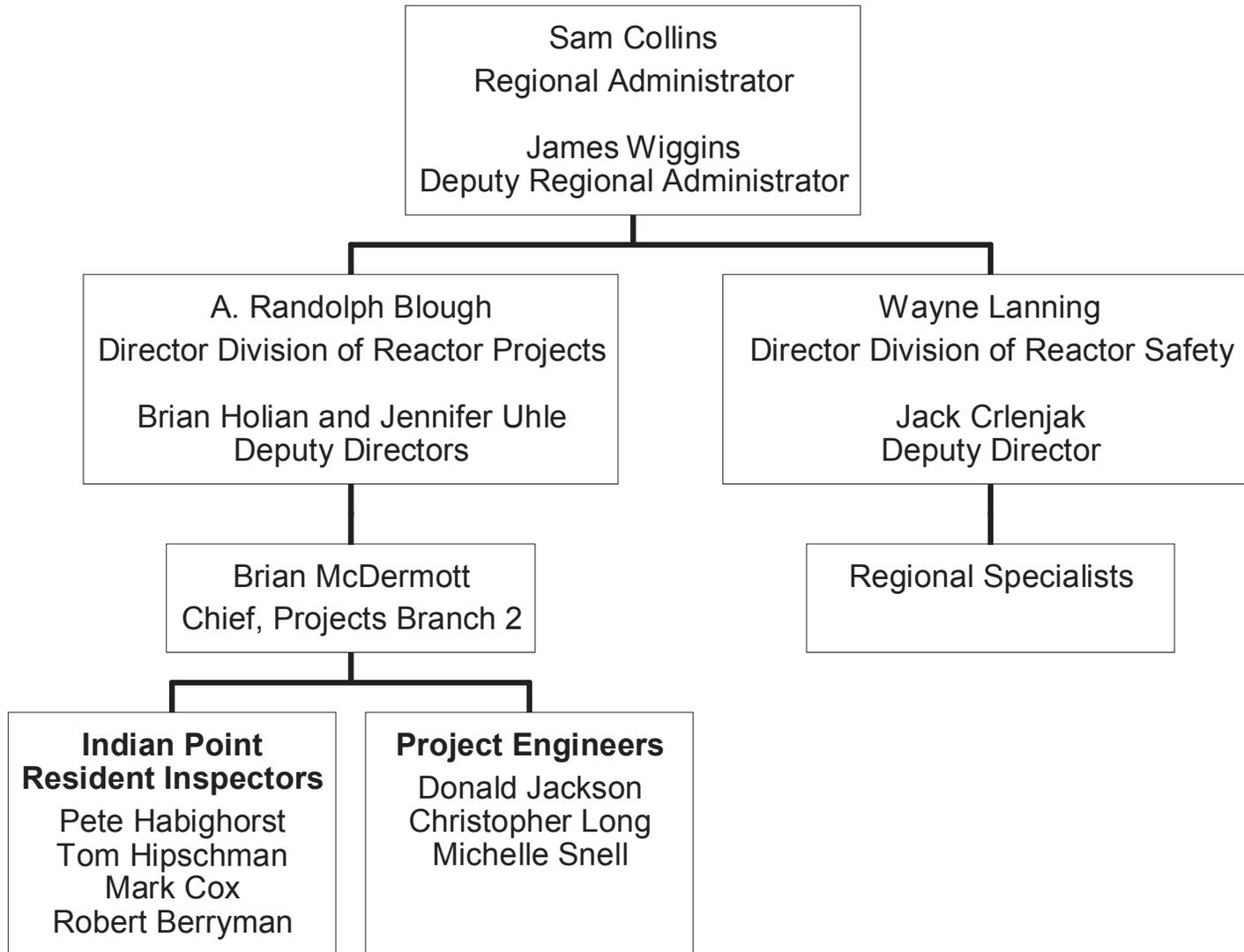
# NRC Representatives

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- Sam Collins, NRC Regional Administrator
  - (610) 337-5229
- Brian Holian, Deputy Director, Division of Reactor Projects (DRP)
  - (610) 337-5080
- Brian McDermott, Branch Chief, DRP
  - (610) 337-5233
- Pete Habighorst, Senior Resident Inspector Unit 2
  - (914) 739-9360
- Tom Hipschman, Senior Resident Inspector Unit 3
  - (914) 739-8565
- Patrick Milano, Senior Project Manager
  - (301) 415-1457

# Region I Organization

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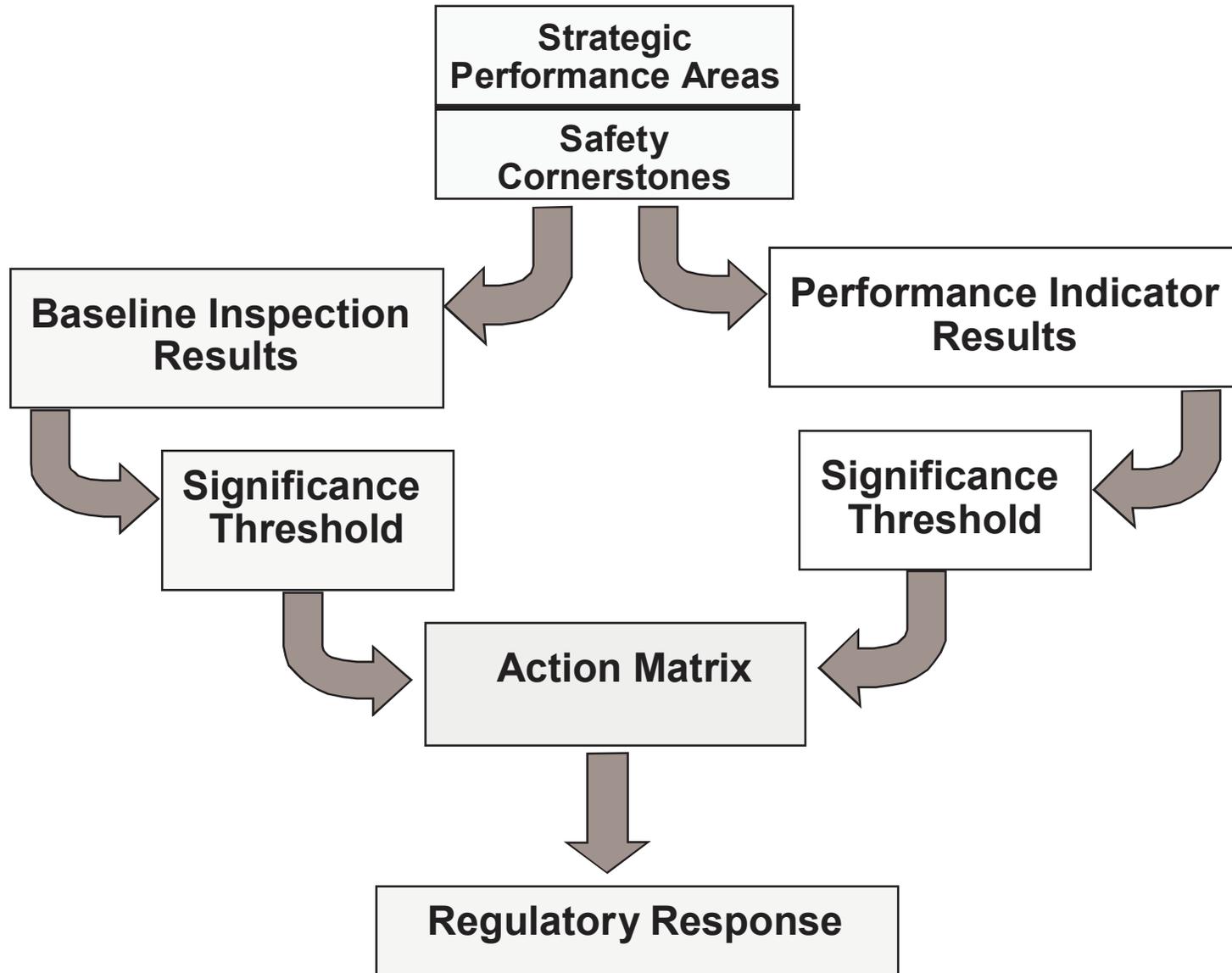
# NRC Performance Goals

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- 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 Objective

# Reactor Oversight Process

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# Baseline Inspections Commitments

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- 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

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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

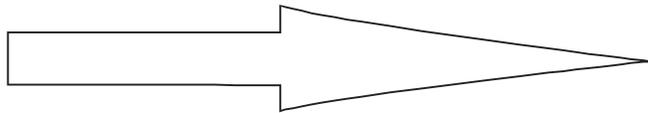
**Red:** High Safety Issue

# Action Matrix Concept

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<b>Licensee Response</b>	<b>Regulatory Response</b>	<b>Degraded Cornerstone</b>	<b>Multiple/Rep. Degraded Cornerstone</b>	<b>Unacceptable Performance</b>
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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 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 Shutdown with Enhanced Oversight

# National Summary

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- Performance Indicator Results (CY 2004)
  - < Green 1834
  - < White 6
  - < Yellow 0
  - < Red 0
- Total Inspection Findings (CY 2004)
  - < Green 778
  - < White 11
  - < Yellow 0
  - < Red 0

# Indian Point 2 Inspection Activities

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(January 1 - December 31, 2004)

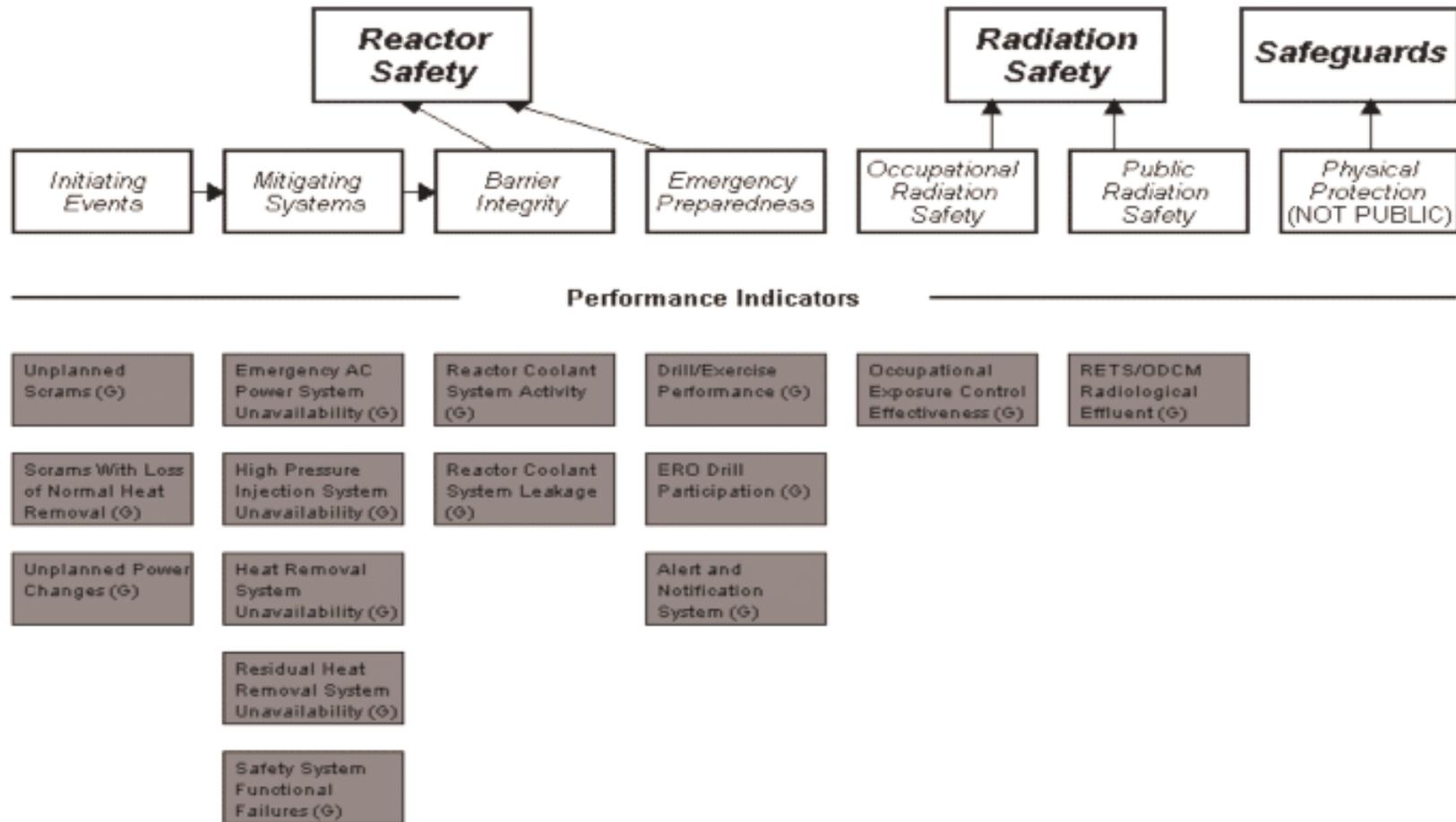
- 7983 Hours of Inspection Related Activities
- Baseline Inspections and Performance Indicator Verifications Completed
- 2 Full-Time Resident Inspectors
- 21 Regional Specialist Inspection Activities
- 2 Team Inspections

# IP2 Assessment Inputs

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- Inspection Findings
  - < Twenty-Six Findings of Very Low Safety Significance (Green)
  - < Individual Findings Evaluated for Common Themes (Cross-Cutting Issues)
- Performance Indicators
  - < Indicate Performance at a Level Requiring No Additional NRC Oversight (Green)

# Indian Point Unit 2 Performance Indicators



# Indian Point 2 Inspection Findings



## Most Significant Inspection Findings

Quarter	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection (NOT PUBLIC)
4Q/2004	G	G	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2004	G	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2004	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2004	G	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Miscellaneous findings

## Additional Inspection & Assessment Information

### ◆ Assessment Reports/Inspection Plans:

4Q/2004

3Q/2004

2Q/2004

1Q/2004

### ◆ Cross Reference Of Assessment Reports

### ◆ List of Inspection Reports

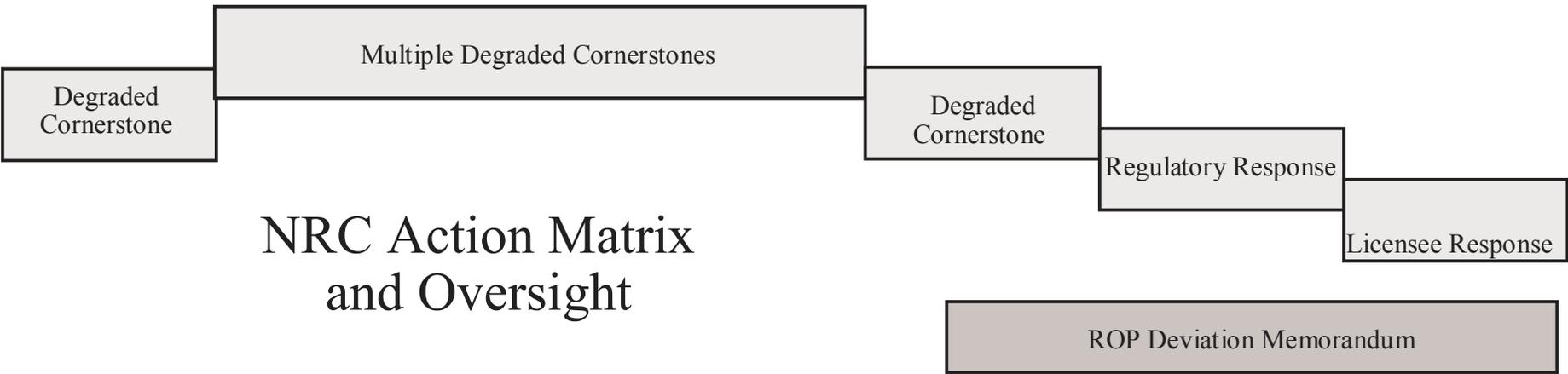
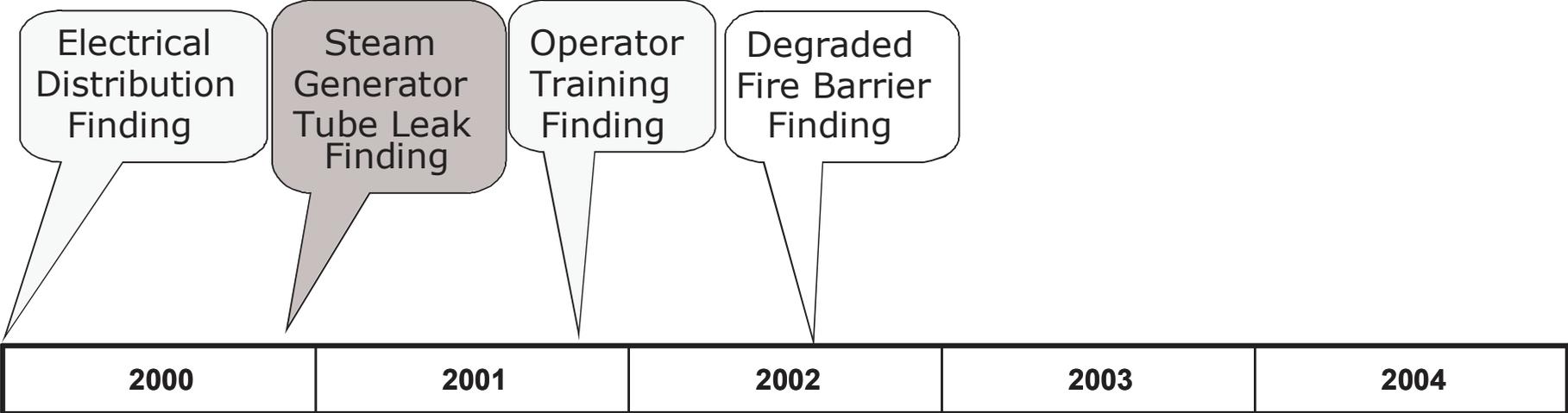
### ◆ List of Assessment Letters/Inspection Plans

# Cross-Cutting Issue

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- A Cross-Cutting Issue In The Area of Problem Identification and Resolution (PI&R) Continued At Unit 2 In 2004.
- Cross-Cutting Issues Involve Multiple Inspection Findings During The Assessment Period, Causal Factors With A Common Theme, And A Concern With The Licensee's Scope of Efforts or Progress In Addressing The Issue.
- Five Findings of Very Low Safety Significance Were Identified With The Common Theme of Untimely or Ineffective Corrective Actions.
- While Entergy Has Implemented Initiatives To Increase the Effectiveness Of The Corrective Action Program, Continued Monitoring Is Warranted Due To Inconsistent Program Implementation.

# Indian Point Unit 2 Performance



# Indian Point 3 Inspection Activities

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(January 1 - December 31, 2004)

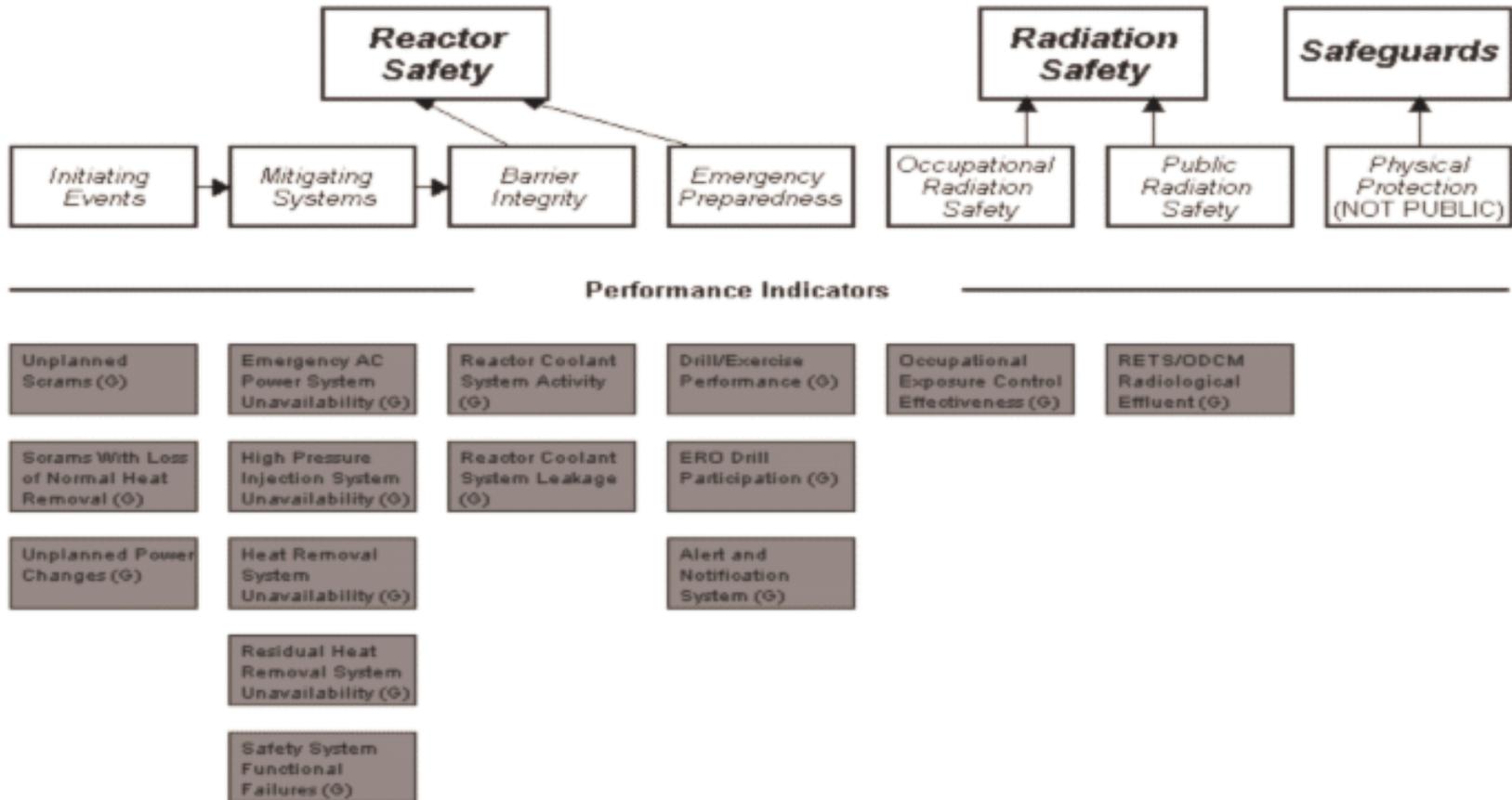
- 4715 Hours of Inspection Related Activities
- Baseline Inspections and Performance Indicator Verifications Completed
- 2 Full-Time Resident Inspectors
- 18 Regional Specialist Inspection Activities
- 1 Team Inspection

# IP3 Assessment Inputs

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- Inspection Findings
  - < Seven Findings of Very Low Safety Significance (Green)
  - < Individual Findings Evaluated for Common Themes (Cross-Cutting)
- Performance Indicators
  - < Indicate Performance at a Level Requiring No Additional NRC Oversight (Green)

# Indian Point Unit 3 Performance Indicators



# Indian Point 3 Inspection Findings



## Most Significant Inspection Findings

Quarter	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection (NOT PUBLIC)
4Q/2004	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2004	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2004	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2004	G	No findings this quarter	No findings this quarter	No findings this quarter			

Miscellaneous findings

## Additional Inspection & Assessment Information

### ◆ Assessment Reports/Inspection Plans:

4Q/2004  
3Q/2004  
2Q/2004  
1Q/2004

### ◆ Cross Reference Of Assessment Reports

### ◆ List of Inspection Reports

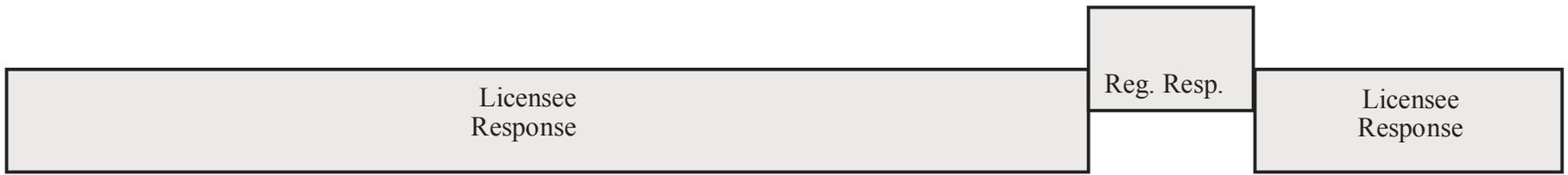
### ◆ List of Assessment Letters/Inspection Plans

# Indian Point Unit 3 Performance

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Unit 3  
Unplanned  
Scrams PI  
Turns White

2000	2001	2002	2003	2004
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NRC Action Matrix  
and Oversight

# Indian Point Units 2 and 3 Annual Assessment Summary

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January 1- December 31, 2004

- Entergy Operated IP2 & IP3 in a Manner that Preserved Public Health and Safety
- All Cornerstone Objectives were Met
- One Cross-Cutting Issue (PI&R) Remains Open At Unit 2
- NRC will Conduct Baseline Inspections at Indian Point during the 2005 Assessment Period

# **Licensee Response and Remarks**

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# Ways for the Public To Become Informed & Involved in the Regulatory Process

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- Participate in NRC Public Meetings
  - < Sign Up to be on our Mailing List
- Visit the NRC Website on a Regular Basis
- Publicly Comment on Proposed Licensing Actions or File a Petition for Rulemaking (10 CFR 2.802)
- 10 CFR 2.206 Petition Process
- Contact the NRC via Email, Mail or Phone to Address Questions or Areas of Concern
- Participate in Open NRC/Industry Symposiums
- Freedom of Information Act (FOIA) Requests

# Contacting the NRC

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Report an Emergency  
(301) 816-5100 (Can Call Collect)

Report a Safety Concern  
(800) 695-7403  
[Allegation@nrc.gov](mailto:Allegation@nrc.gov)

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)