



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

July 2, 2001

Mr. J. V. Parrish (Mail Drop 1023)
Chief Executive Officer
Energy Northwest
P.O. Box 968
Richland, Washington 99352-0968

SUBJECT: SUMMARY OF END-OF-CYCLE PERFORMANCE ASSESSMENT MEETING
FOR THE COLUMBIA GENERATING STATION

Dear Mr. Parrish:

This refers to the public meeting conducted at the Walkley Room, Energy Northwest Multi-Purpose Facility, on June 21, 2001, between your staff and the NRC. The participants discussed the results of the NRC's end-of-cycle assessment of Columbia Generating Station's performance for the period April 2, 2000, through March 31, 2001.

The NRC presented the overall assessment results that were based on inspection findings and performance indicators. The presentation also included a brief overview of the reactor oversight process.

The attendance list, and the NRC prepared public meeting handouts are enclosed.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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 system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

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

Sincerely,

Gregory A. Pick for

William B. Jones, Chief
Project Branch E
Division of Reactor Projects

Docket No: 50-397
License No: NPF-21

Enclosures: Attendance List
NRC End-of-Cycle Assessment Meeting, Columbia Generating Station,
June 21,2001
Reactor Oversight Process Annual Assessment Meeting

cc w/enclosures:

Chairman
Energy Facility Site Evaluation Council
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Rodney L. Webring (Mail Drop PE08)
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Lynn Albin
Washington State Department of Health
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John L. Erickson, Director
Division of Radiation Protection
Department of Health
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Max E. Benitz, Jr., Chairman
Board of Benton County Commissioners
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Prosser, Washington 99350

Sue Miller, Chair
Board of Franklin County Commissioners
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Electronic distribution from ADAMS by RIV:

Regional Administrator (**EWM**)

DRP Director (**KEB**)

DRS Director (**ATH**)

Senior Resident Inspector (**GDR**)

Branch Chief, DRP/E (**WBJ**)

Senior Project Engineer, DRP/E (**GAP**)

Section Chief, DRP/TSS (**PHH**)

RITS Coordinator (**NBH**)

B. Henderson, PAO (**BWH**)

C. A. Hackney, RSLO (**CAH**)

C. J. Gordon (**CJG**)

DRS Branch Chiefs (**GMG, JLS2, JLP**)

W. D. Travers, EDO (**WDT**)

W. M. Dean, Chief, NRR/DIPM/IIPB (**WMD**)

R. K. Frahm, PPR Program Manager, NRR/ILPB (**RKF**)

B. A. Boger, Associate Dir. for Inspection and Programs (**BAB2**)

B. W. Sheron, Associate Dir. for Project Licensing and Technical Analysis (**BWS**)

M. A. Satorius, Chief, Regional Operations Staff, OEDO (**MAS**)

S. Richards, NRR Project Director (**SAR**)

S. Dembek, Chief, Section 2, NRR/DLPM (**SXD**)

J. Cushing, NRR Project Manager (**JXC9**)

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7/2/01	7/2/01			

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E=E-mail

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ENCLOSURE 1

Attendance List

Licensee

S. Oxenford, Plant General Manager
D. Atkinson, Manager, Engineering
D. Coleman, Manager, Regulatory Affairs
L. Dovey, Communications Officer
D. Feldman, Manager, Operations
R. Graves, Executive Board Member
P. Inserra, Manager, Licensing
C. King, Manager, Design Engineering
J. Peters, Manager, Radiation Services
G. Smith, Vice President, Generation
R. Webring, Vice President, Operations Support
S. Wood, Manager, Chemistry

NRC

W. Jones, Chief, Reactor Projects Branch E
G. Replogle, Senior Resident Inspector
J. Melfi, Project Engineer
J. Moreno, Engineering Associate



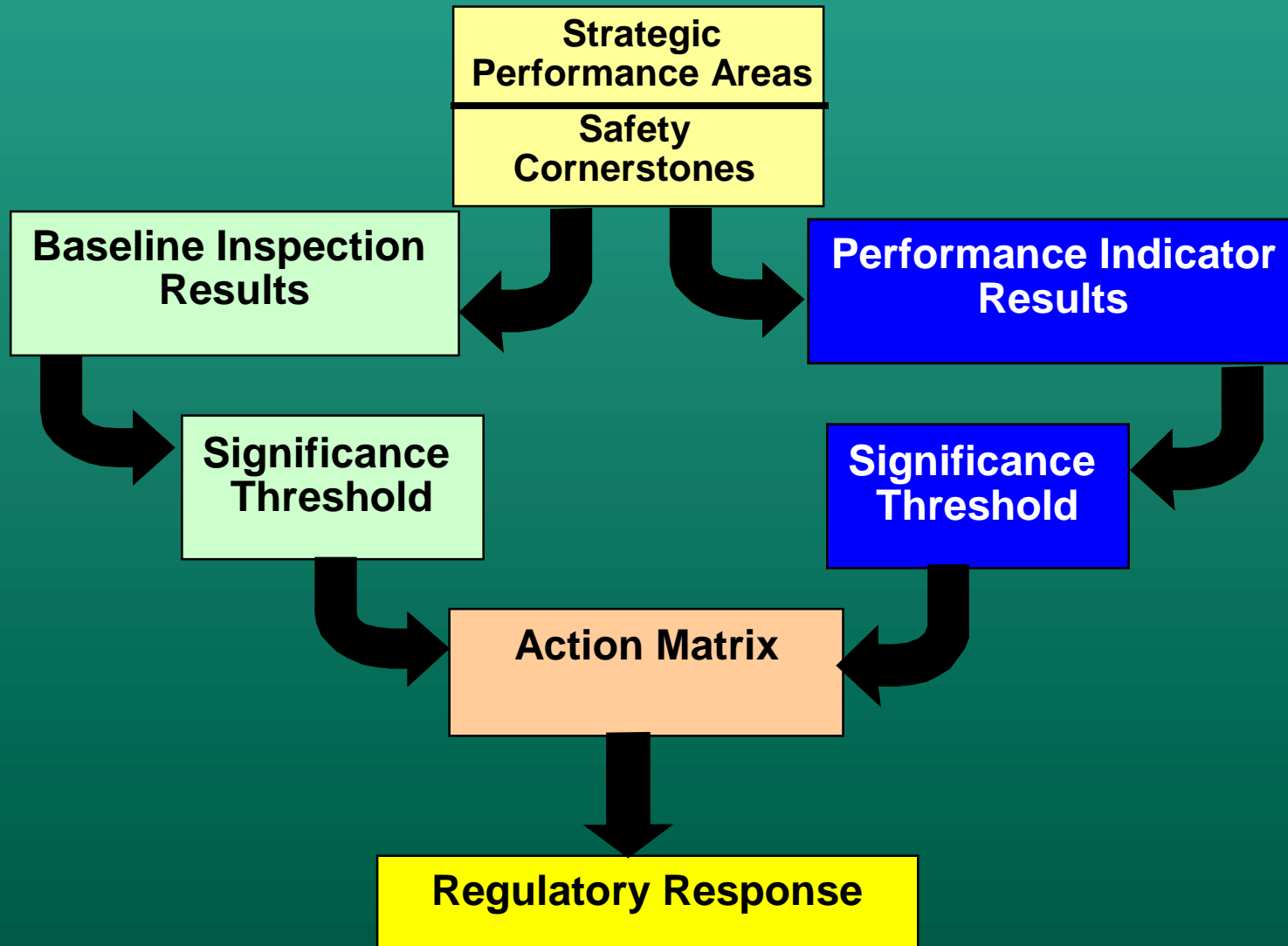
NRC Public Meeting

End of Cycle Assessment
Columbia Generating Station
June 21, 2001

Agenda

- P Introduction and opening comments - NRC
- P Introduction and opening comments - Columbia Generating Station
- P Overview of reactor oversight process - NRC
- P Presentation of assessment - NRC
- P Discussion of assessment - NRC and Columbia Generating Station staff
- P Closing remarks - NRC
- P Closing remarks - Columbia Generating Station
- P Adjourn

Reactor Oversight Process





Reactor Oversight Process

Nuclear Reactors | NRC Home Page | NRC Site Contents | Search

Plant Assessment Results

NEW ROP Program Documents

NEW Initial Implementation Evaluation Panel

ROP "Plain Language" Description

Meeting Notices & Summaries

Lessons Learned Public Workshop

March 26 - 28, 2001 in Gaithersburg, MD
Agenda

Summary Slides from Closing Session
NEW Meeting Summary

Federal Register Notice: Request for Public Comment on the First Year of Initial Implementation of the Reactor Oversight Process

Role of the Reactor Oversight Process

The Nuclear Regulatory Commission's (NRC's) mission is to ensure adequate protection of the public health and safety and the environment, as it relates to the peaceful use of nuclear materials in the United States. The agency itself does not operate nuclear power plants. Rather, it regulates the operation of the nation's 103 nuclear power plants by establishing regulatory requirements for the design, construction and operation of such plants. The NRC issues licenses for the plants to operate, licenses the plant operators, and establishes plant specific technical specifications for plant operators to follow to ensure that the plants are operated safely within these requirements.

US NRC Reactor Oversight Process

[PI Summary](#) [Inspection Findings Summary](#) [Action Matrix Summary](#) [Inspection Reports List](#) [Cornerstones & PI](#) [Home](#)

Plant Assessment Results

Alphabetical listing of plants

A B C D F G H I K L M N O
P Q R S T V W
Region 1 plants
Region 2 plants
Region 3 plants
Region 4 plants

Alphabetical listing of plants:

- ▲ **A**
 - Arkansas 1
 - Arkansas 2
- ▲ **B**
 - Beaver Valley 1
 - Beaver Valley 2
 - Braidwood 1
 - Braidwood 2
 - Browns Ferry 2
 - Browns Ferry 3
 - Brunswick 1
 - Brunswick 2
 - Byron 1
 - Byron 2
- ▲ **C**
 - Callaway
 - Calvert Cliffs 1
 - Calvert Cliffs 2
 - Catawba 1
 - Catawba 2
 - Clinton
 - Columbia Generating Station
 - Comanche Peak 1
 - Comanche Peak 2
 - Cooper (Pilot Plant)
 - Crystal River 3
- ▲ **D**
 - D.C. Cook 1

New This Quarter

- New format of Action Matrix Summary
- Action Matrix Designation on plant performance summaries

Individual Plant Performance Summaries - Performance information is summarized for each plant and sorted by the seven cornerstones of safety. This information can be viewed by selecting the plant name from the left column (organized alphabetically as well as by the region where the plants are located). For each plant, the current Action Matrix designation is displayed along with the performance indicators (PIs) and a summary of NRC inspection findings. Links are also provided to NRC assessment letters, inspection plans, and inspection reports.

Comprehensive Performance Summary Matrices - The most recent quarterly performance indicator color designations for all plants are summarized in a **PI Summary** matrix. The most significant inspection finding color designations over the previous 4 quarters for all plants is summarized in an **Inspection Findings Summary** matrix. Based on the latest applicable performance indicators and inspection findings, the current Action Matrix designation for each plant is available in the **Action Matrix Summary**. The Action Matrix Summary provides a matrix of the five columns with the plants listed within their applicable column. You can drill down into more detailed information from any of these three summaries.

Background - Both PIs and inspection findings are evaluated and given a color designation based on their safety significance. Green inspection findings or PIs indicate a very low risk significance and therefore have little or no impact on safety. White, yellow, or red inspection findings or PIs each, respectively, represent a greater degree of safety significance.

Columbia Generating Station Operating Summary

- P Reduced power operation due to economic dispatch, April and May 2000
- P Reactor trip due to protective relay control circuit failure (June 2000)
- P Planned outage to replace recirculation pump seal, September 2000 (4 days)
- P Reactor trip, condenser drainline failure. September 2000
- P Otherwise, essentially full power operation

Columbia Generating Station

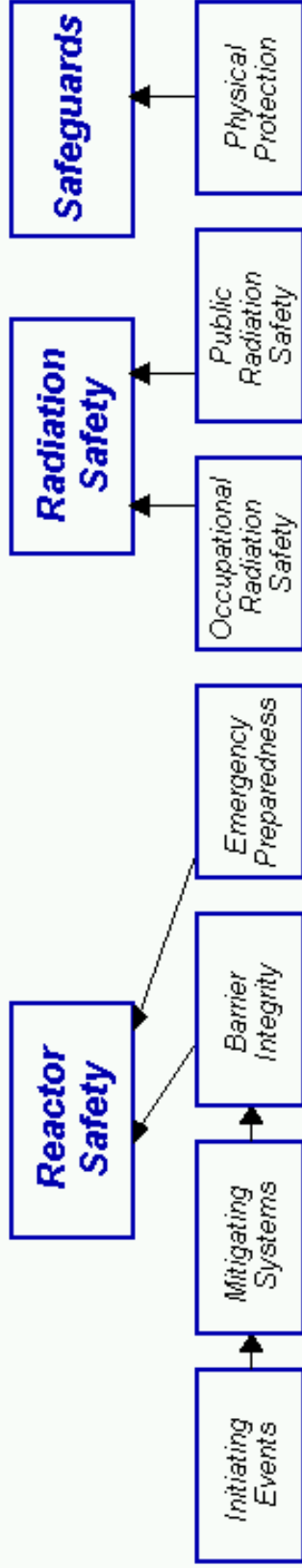
Mid-cycle Assessment

P Completed November 2000

P Licensee Response Column

- ▶ All inspection findings had very low safety significance (Green)
- ▶ No performance indicators required additional NRC oversight

Columbia Generating Station 1Q/2001 Performance Summary



Performance Indicators

Unplanned Scrams (G)	Emergency AC Power System Unavailability (G)	Reactor Coolant System Activity (G)	Drill/Exercise Performance (G)	Occupational Exposure Control Effectiveness (G)	RETS/ODCM Radiological Effluent (G)	Protected Area Equipment (G)
Scrams With Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (G)	Reactor Coolant System Leakage (G)	ERD Drill Participation (G)			Personnel Screening Program (G)
Unplanned Power Changes (G)	Heat Removal System Unavailability (G)		Alert and Notification System (G)			FFD/Personnel Reliability Program (G)
	Residual Heat Removal System Unavailability (G)					
	Safety System Functional Failures (G)					

Columbia Generating Station Performance Indicators

- P Performance Indicators for the most recent quarter
 - ▶ All in the licensee response band
 - ▶ No performance indicators required additional NRC oversight

Initiating Events → Mitigating Systems → Barrier Integrity → Emergency Preparedness → Occupational Radiation Safety → Public Radiation Safety → Physical Protection

Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
1Q/2001	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
4Q/2000	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/2000	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/2000	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

Miscellaneous findings

Additional Inspection & Assessment Information

Assessment Reports/Inspection Plans:

- 1Q/2001
- 4Q/2000
- 3Q/2000
- 2Q/2000

List of Inspection Reports

Columbia Generating Station Inspection Findings

- # Findings very low risk significance
- # All inspection findings in Columbia Generating Station corrective action system

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 ----->						

Columbia Generating Station Overall Performance

- P Preserved public health and safety
- P Met all cornerstone objectives
- P NRC baseline inspection planned for Columbia Generating Station

Performance Indicator Summary

Reactor Oversight Process

Performance Indicators Summary

Plants	IE 01	IE 02	IE 03	MS 01	MS 02	MS 03	MS 04	MS 05	BI 01	BI 02	EP 01	EP 02	EP 03	OR 01	PR 01	PP 01	PP 02	PP 03
Calvert Cliffs 1	G	W	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Calvert Cliffs 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Catawba 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Catawba 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Clinton	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Columbia Generating Station	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Comanche Peak 1	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Comanche Peak 2	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Cooper	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Crystal River 3	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
D.C. Cook 1	G	G	W	I	I	I	I	G	G	G	I	G	G	G	G	G	G	G
D.C. Cook 2	G	G	G	I	I	I	I	G	G	G	I	G	G	G	G	G	G	G
Davis-Besse	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

Inspection Finding Summary

US NRC Revised Reactor Oversight Process - Inspection Findings Summary - Netscape

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Reactor Oversight Process

Inspection Findings Summary

Plants	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
Davis-Besse	Green	Green	No Findings	No Findings	No Findings	No Findings	No Findings
Diablo Canyon 1	Green	Green	No Findings	Green	Green	Green	Green
Diablo Canyon 2	Green	Green	No Findings	Green	Green	Green	Green
Dresden 2	Green	Green	Green	No Findings	Green	No Findings	Green
Dresden 3	Green	Green	Green	No Findings	Green	No Findings	Green
Duane Arnold	Green	Green	No Findings	No Findings	No Findings	No Findings	Green
Farley 1	Green	Green	No Findings	Green	No Findings	No Findings	No Findings
Farley 2	Green	Green	No Findings	No Findings	No Findings	No Findings	No Findings
Fermi 2	No Findings	Green	No Findings	No Findings	No Findings	No Findings	No Findings
FitzPatrick	Green	Green	Green	Green	Green	No Findings	Green
Fort Calhoun	Green	Green	No Findings	No Colors	Green	No Findings	No Findings
Ginna	No Findings	Green	Green	No Colors	No Findings	Green	No Findings
Grand Gulf 1	Green	Green	No Findings	No Findings	Green	No Findings	No Findings
Harris 1	Green	White (1)	Green	No Findings	No Findings	No Findings	No Findings
Hatch 1	Green	Green	Green	No Findings	No Findings	No Findings	Green
Hatch 2	Green	Green	No Findings	No Findings	No Findings	No Findings	No Findings
Hope Creek 1	No Findings	Green	Green	No Findings	Green	No Findings	No Findings
Indian Point 2	Red (1)	Green	Green	White (3)	No Colors	No Findings	No Colors

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Action Matrix Summary

<u>Licensee Response Column</u>	<u>Regulatory Response Column</u>	<u>Degraded Cornerstone Column</u>	<u>Multiple/Repetitive Degraded Cornerstone Column</u>	<u>Unacceptable Performance Column</u>
<u>Arkansas Nuclear 1</u>	<u>Calvert Cliffs 1</u>	<u>Callaway</u>	<u>Indian Point 2</u>	
<u>Arkansas Nuclear 2</u>	<u>Cooper</u>	<u>Kewaunee</u>		
<u>Beaver Valley 1</u>	<u>Fermi 2¹</u>	<u>Millstone 2</u>		
<u>Beaver Valley 2</u>	<u>FitzPatrick</u>			
<u>Braidwood 1</u>	<u>Harris 1²</u>			
<u>Braidwood 2</u>	<u>North Anna 2³</u>			
<u>Browns Ferry 2</u>	<u>Oconee 1</u>			
<u>Browns Ferry 3</u>	<u>Point Beach 1</u>			
<u>Brunswick 1</u>	<u>Prairie Island 1⁴</u>			
<u>Brunswick 2</u>	<u>Prairie Island 2⁵</u>			
<u>Byron 1</u>	<u>Quad Cities 1⁶</u>			
<u>Byron 2</u>	<u>Quad Cities 2⁷</u>			
<u>Calvert Cliffs 2</u>	<u>Summer⁸</u>			
<u>Catawba 1</u>	<u>Susquehanna 1⁹</u>			
<u>Catawba 2</u>	<u>Susquehanna 2¹⁰</u>			
<u>Clinton</u>				
<u>Columbia Generating Station</u>				
<u>Comanche Peak 1</u>				

Major Baseline Inspections through May 31, 2002

P Safety System Design and Performance
Capability

- ▶ August 2001

P Problem Identification and Resolution

- ▶ October 2001

P Heat Exchanger Performance

- ▶ December 2001



NRC Public Meeting

- P Closing remarks - Columbia Generating Station
- P Closing Remarks - NRC
- P Adjourn

REACTOR OVERSIGHT PROCESS ANNUAL ASSESSMENT MEETING

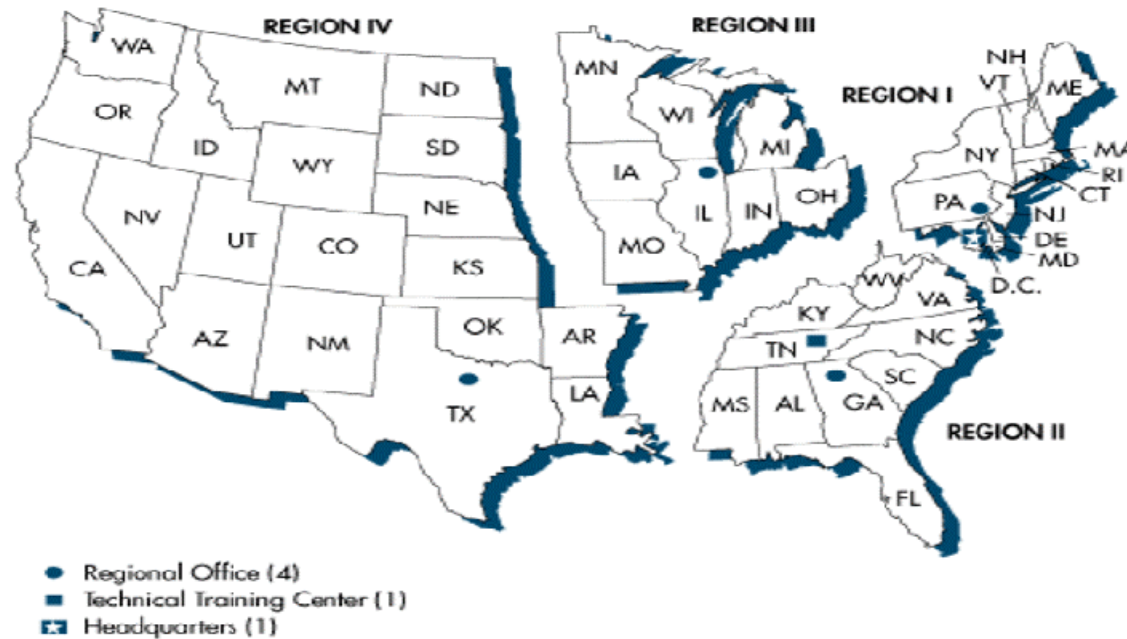


**Nuclear Regulatory Commission
Region IV**

Overview

- **Who we are**
- **Why we are here**
- **How we inspect and assess plant performance**
- **Plant performance results**
- **Questions and Answers**

NRC REGIONAL OFFICES

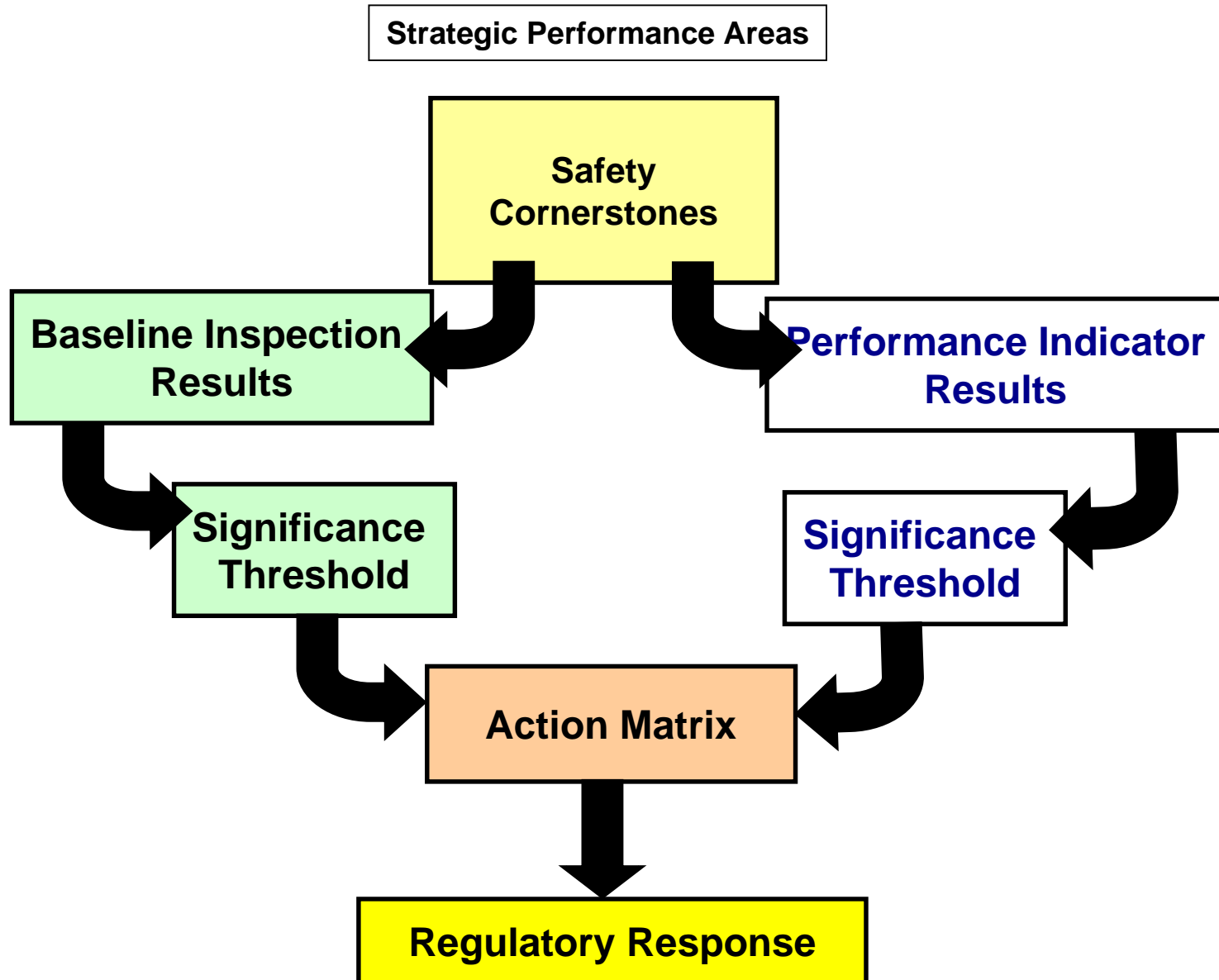


Note: Alaska and Hawaii are included in Region IV.
Source: Nuclear Regulatory Commission

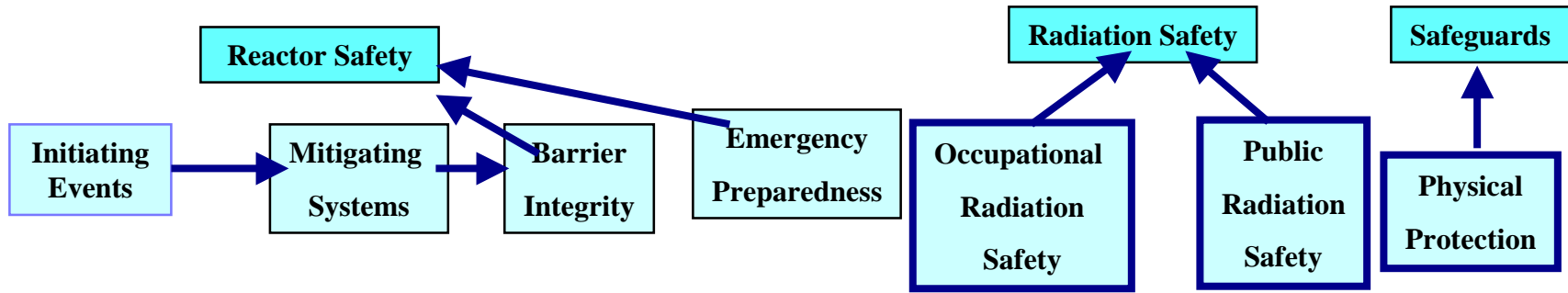
Our Oversight Activities

- **Provide assurance plants are operating safely and in accord with the regulations**
- **Based upon a logical and sound framework**
- **Uses objective indicators of performance**
- **Uses inspections focused on key safety areas**
- **Assessment program triggers regulatory actions**

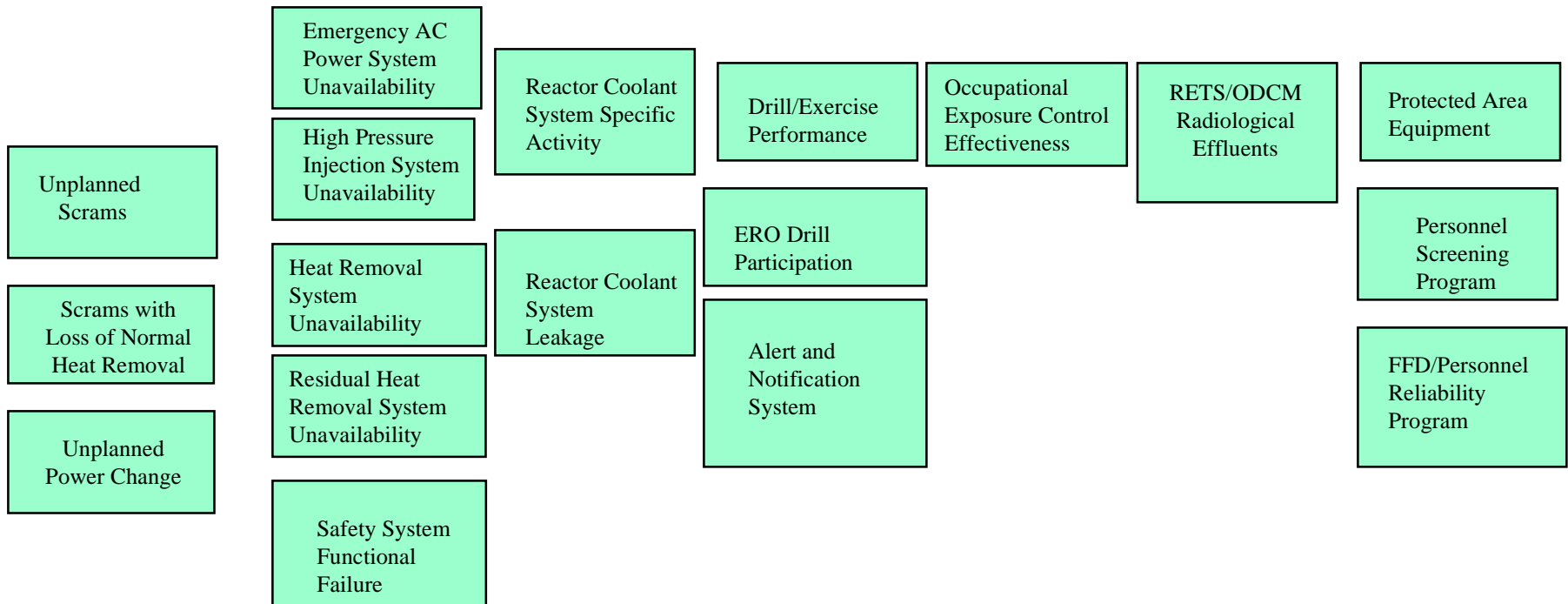
Reactor Oversight Process



The three Strategic Performance Areas are subdivided into seven Cornerstones which are subdivided into 18 Performance Indicators

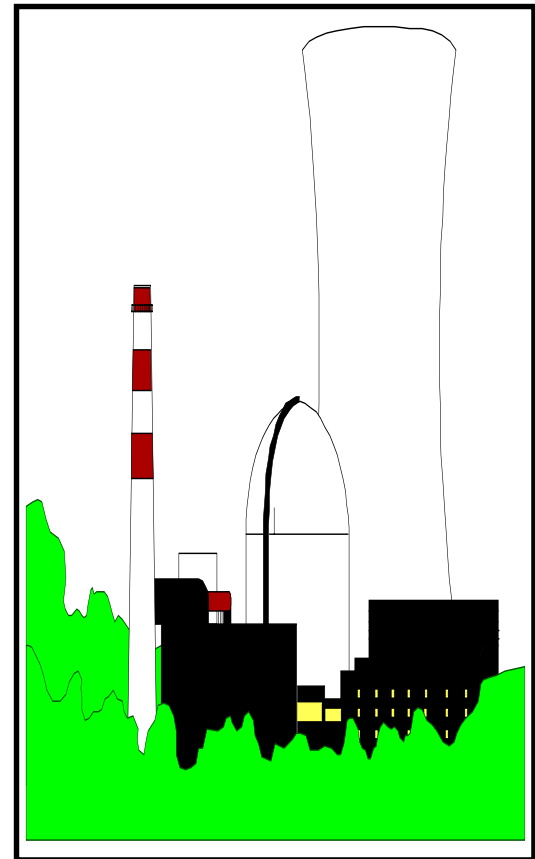


Performance Indicators
Based on data first quarter 2001



NRC Conducts Safety Inspections

NRC resident and regional inspectors utilize a Baseline Inspection Program to monitor plant safety performance in each of the Cornerstone of Safety



Key Aspects of Baseline Inspection Program

- **Objective evidence of plant safety**
- **Conducted at all plants**
- **Emphasizes safety significant systems, components, activities, and events**
- **Monitors licensee effectiveness in finding and fixing safety issues**
- **Inspection reports describe significant findings and non-compliance**
- **Inspection reports are publicly accessible**

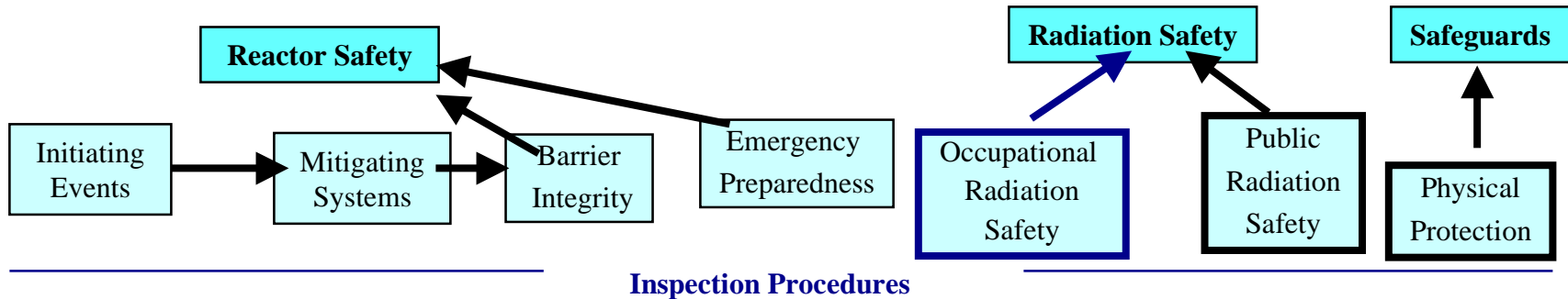
Examples of Baseline Inspections

- **Plant safety tours**
- **Plant control room tours**
- **Maintenance and alignment of equipment**
- **Worker radiation protection**
- **Controls for radiation releases**
- **Plant security**

Event Follow-up and Supplemental Inspection

- **Determine causes of performance declines**
- **Follow-up significant inspection findings**
- **Review events for significance**
- **Provides for graduated response**

The three Strategic Performance Areas are subdivided into seven Cornerstones which are subdivided into 39 Inspection Procedures



Adverse Weather
 Evaluation of Changes
 Equipment Alignment
 Fire Protection
 Flood Protection
 Heat Sink Performance
 In-service Inspection
 Operator Requalification
 Maintenance Rule Implementation
 Maintenance Risk Assessment
 Non-routine Plant Events

Operability Evaluation
 Operator Workarounds
 Permanent Plant Modifications
 Post Maintenance Testing
 Refueling & Outage
 Safety System Design
 Surveillance Testing
 Temporary Modifications
 Reactor Safety-Emergency Preparedness
 Event Follow-up
 Performance Indicator Verification
 Problem Identification & Resolution

Exercise Evaluation
 Alert and Notification System
 Emergency Response Organization Augment
 Emergency Action and Plans
 Emergency Preparedness
 Drill Evaluation
 Occupational Radiation Safety
 Access Control

Radiation Monitoring Instrumentation
 Public Radiation Safety
 Radiation Effluents Treatment
 Radiation Transportation
 Environmental Monitoring
 Security Access Authorization
 Security Search
 Security Response
 Security Plan Change

Key Aspects of Assessment Program

- Objective assessment of performance
- “Action Matrix” to determine agency response to performance:
 - *Inspection level increases*
 - *Management involvement increases*
 - *Regulatory actions increase*
- Plant specific assessment letters
- Information on NRC public web site

Colorization Scheme for *Performance Indicators* and *Inspection Findings*

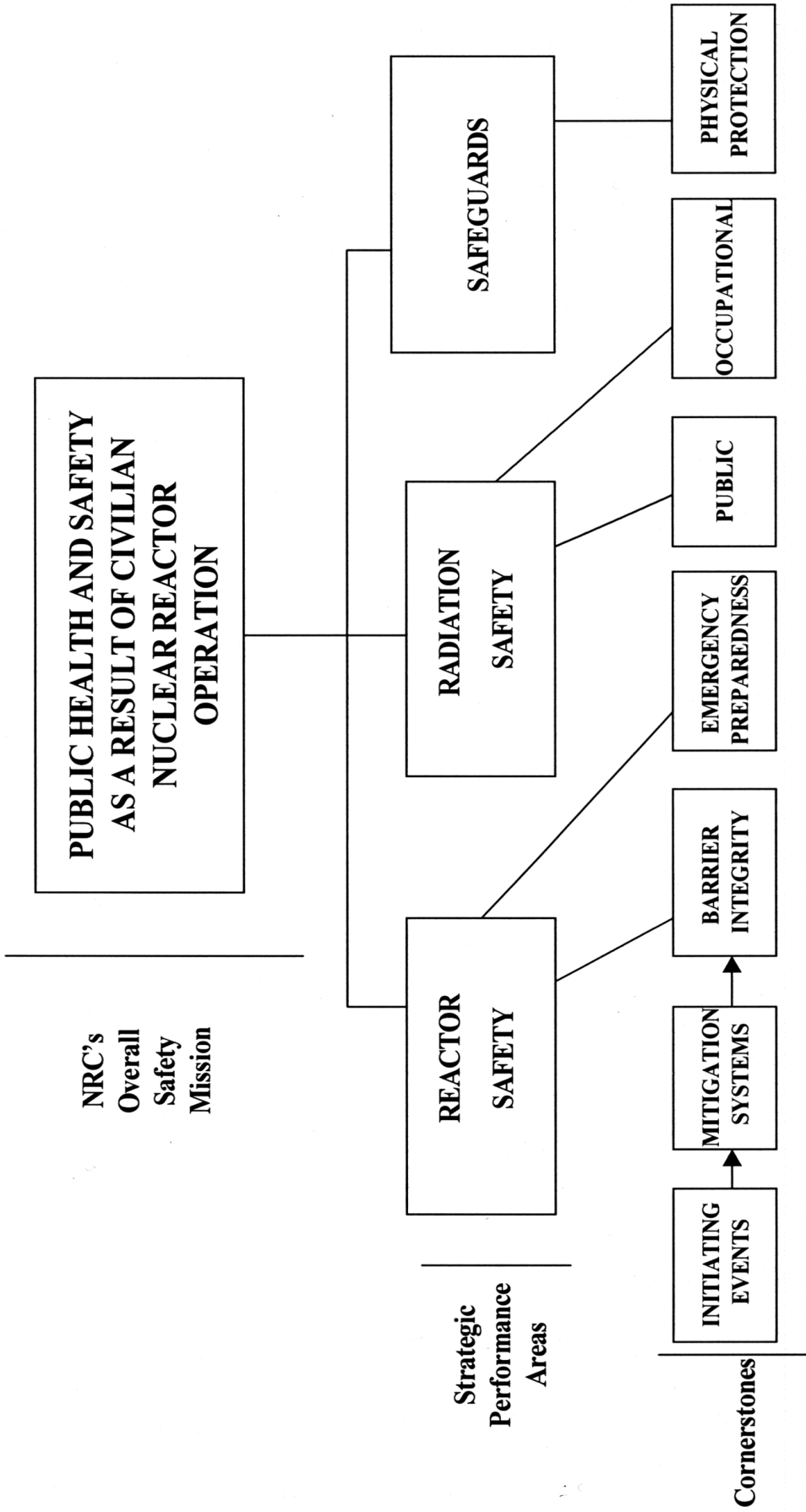
PERFORMANCE INDICATORS

- Green:** Performance requiring no NRC oversight beyond Baseline Inspection
- White:** Performance may result in increased NRC oversight
- Yellow:** Performance that minimally reduces safety margin and requires more NRC oversight
- Red:** Performance that represents significant reduction in safety, requires more NRC oversight, but provides adequate protection to public health and safety

INSPECTION FINDINGS

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

REGULATORY FRAMEWORK



NRC's Overall Safety Mission

PUBLIC HEALTH AND SAFETY AS A RESULT OF CIVILIAN NUCLEAR REACTOR OPERATION

REACTOR SAFETY

RADIATION SAFETY

SAFEGUARDS

INITIATING EVENTS

MITIGATION SYSTEMS

BARRIER INTEGRITY

EMERGENCY PREPAREDNESS

PUBLIC

OCCUPATIONAL PROTECTION

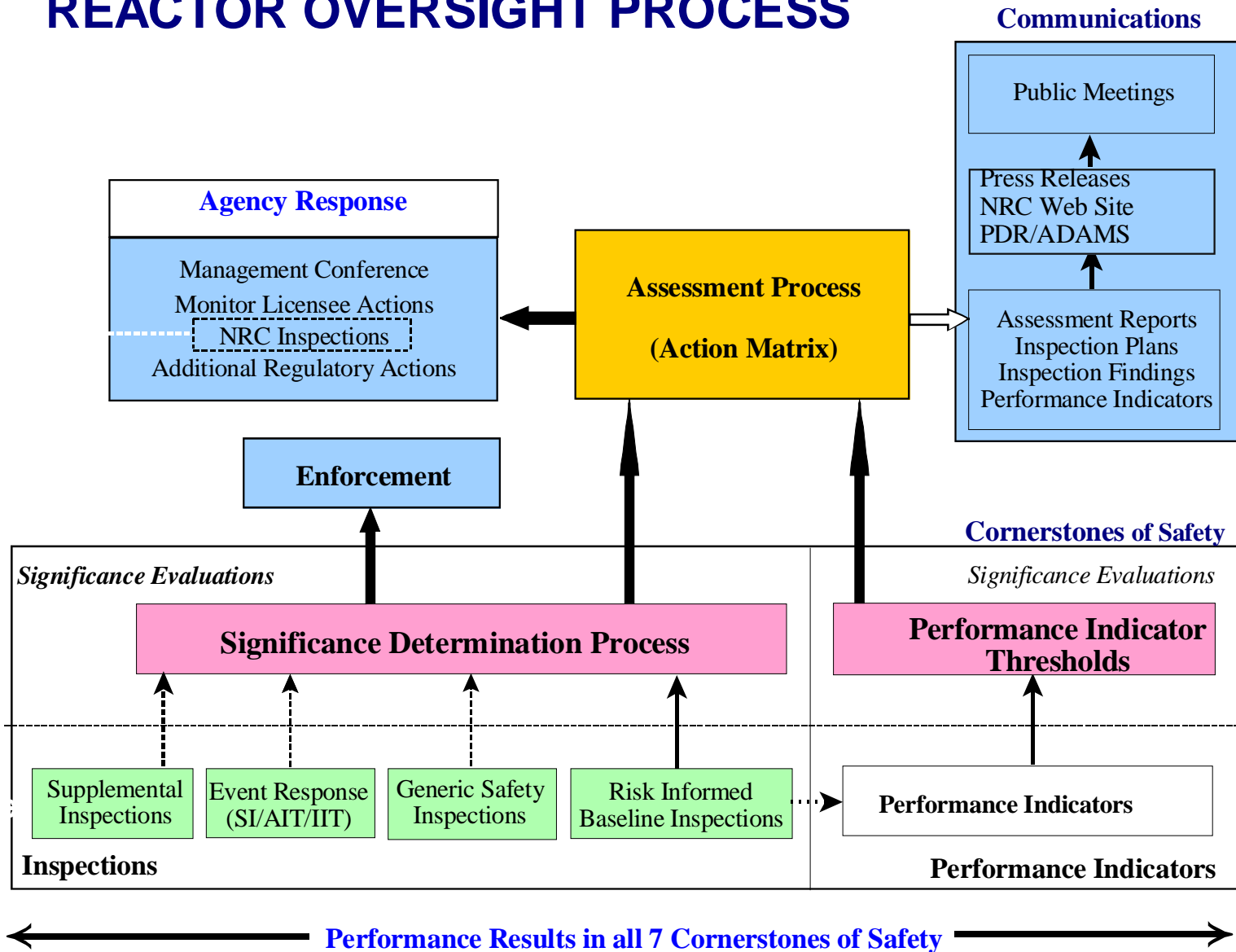
PHYSICAL PROTECTION

Strategic Performance Areas

Cornerstones

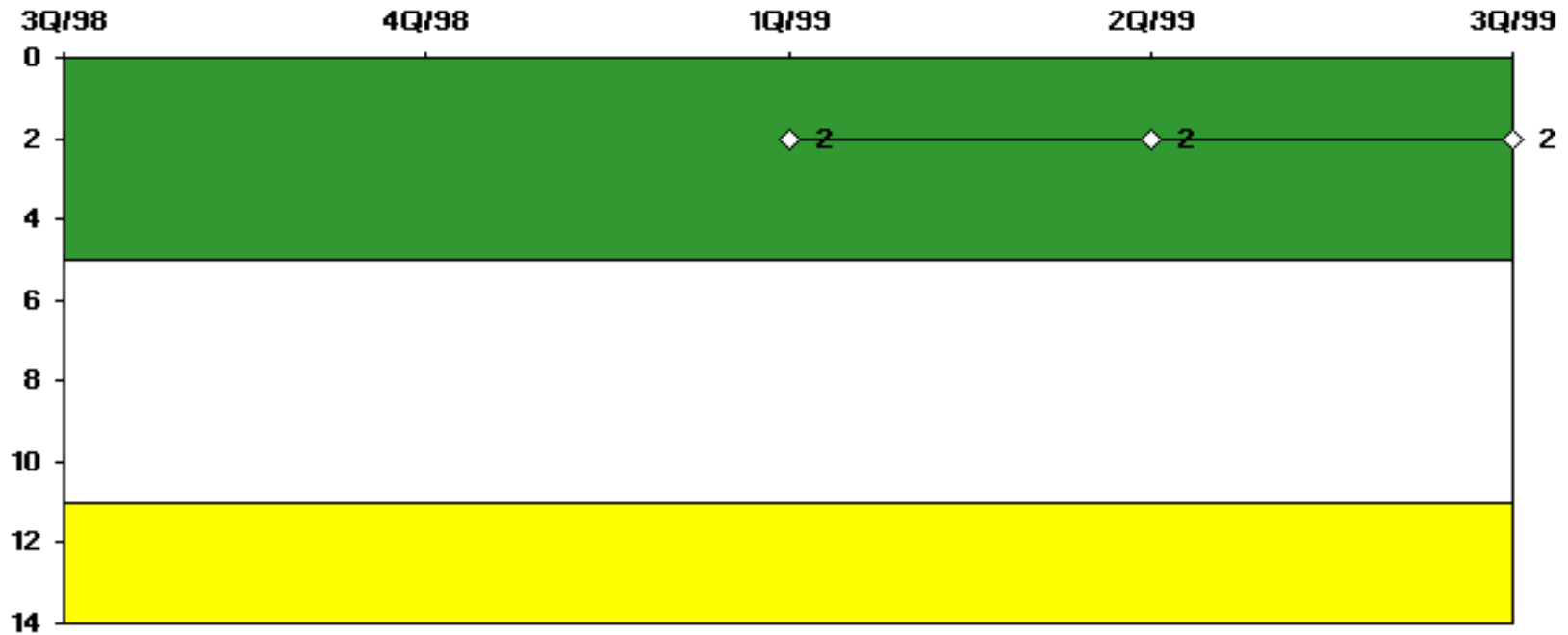
----- HUMAN PERFORMANCE ----- SAFETY CONSCIOUS WORK ENVIRONMENT ----- PROBLEM IDENTIFICATION AND RESOLUTION -----

REACTOR OVERSIGHT PROCESS



A Performance Indicator uses objective data to monitor performance in each Cornerstone area

Occupational Exposure Control Effectiveness



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 ----->						