

TRANSMITTAL OF MEETING HANDOUT MATERIALS FOR IMMEDIATE PLACEMENT IN THE PUBLIC DOMAIN

*This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting.
Do not include proprietary materials.*

DATE OF MEETING

03/28/2002

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	50-293
Plant/Facility Name	Pilgrim Nuclear Power Station
TAC Number(s) (if available)	
Reference Meeting Notice	02-015
Purpose of Meeting (copy from meeting notice)	The NRC staff and Entergy management will discuss the results of NRC's assessment of the safety performance at the Pilgrim Nuclear Power Station for the period 04/01/ - 12/31/01.

NAME OF PERSON WHO ISSUED MEETING NOTICE

Clifford J. Anderson

TITLE

Branch Chief

OFFICE

Region I

DIVISION

Division of Reactor Projects

BRANCH

Projects Branch 5

Distribution of this form and attachments:

Docket File/Central File
PUBLIC

Annual Assessment Meeting

Reactor Oversight Program - Cycle 2

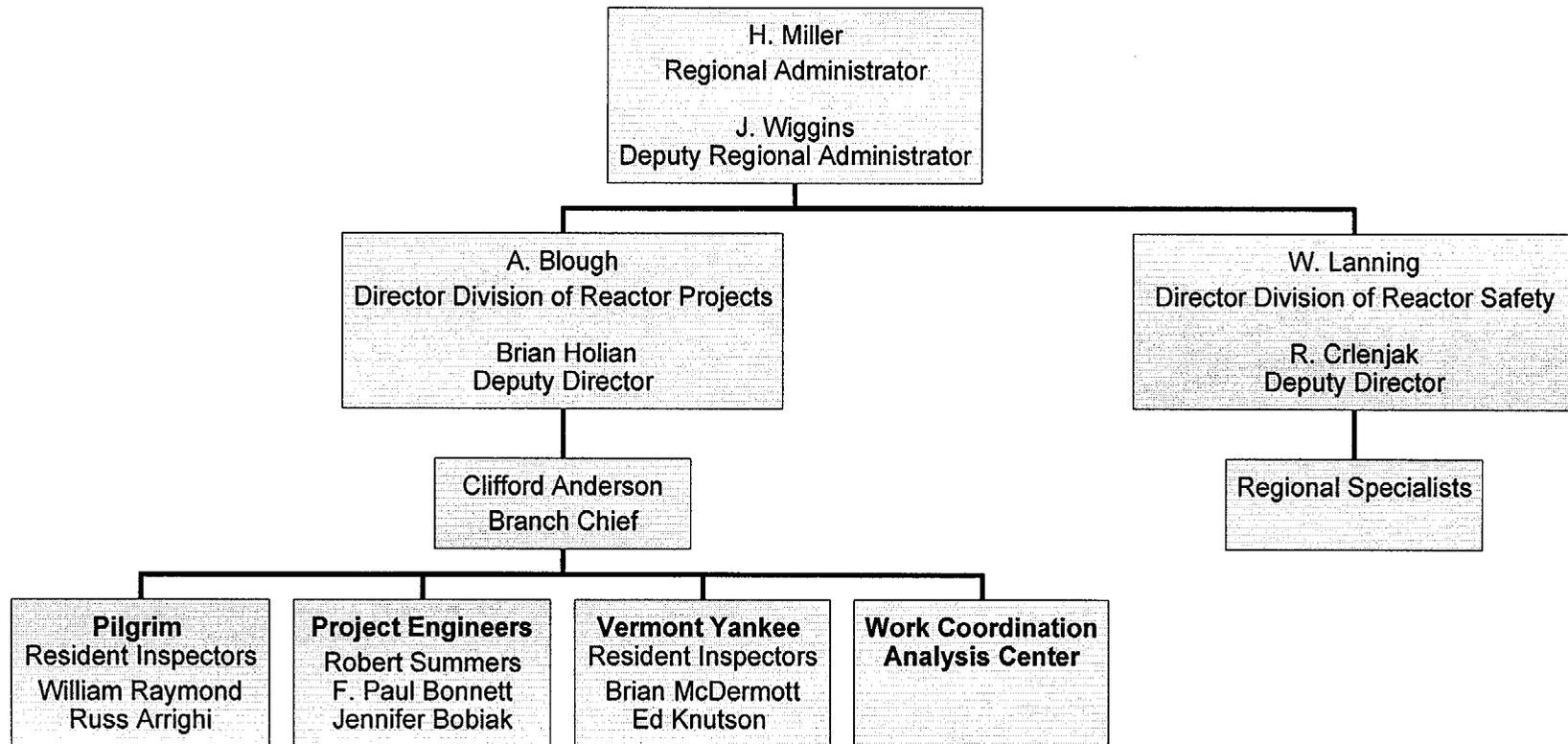


Nuclear Regulatory Commission -Region I
King of Prussia, PA

Agenda

- Introduction
- Review of Reactor Oversight Process
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Meeting with the Licensee adjourned
- NRC available to address questions from the public

Region I Organization



NRC Representatives

- Clifford Anderson, Chief, Reactor Projects Branch 5
 - [cja@nrc.gov (610) 337-5227]
- Travis Tate, Project Manager, NRR
 - [ttl@nrc.gov (301) 415-8474]
- James Linville, Chief, Electrical Branch
 - [jcl@nrc.gov (610) 337-5129]
- F. Paul Bonnett, Project Engineer
 - [fpb@nrc.gov (610) 337-5199]
- Russ Arrighi, Acting Senior Resident Inspector
 - [rja1@nrc.gov (508) 747-0565]

Reference Sources

- Reactor Oversight Process
 - ▶ <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

- Public Electronic Reading Room
 - ▶ <http://www.nrc.gov/reading-rm/adams.html>

- Public Document Room
 - ▶ 1-800-397-4209 (Toll Free)

NRC Activities

- Ensure nuclear plants are designed, constructed, and operated safely
- Issue licenses for the peaceful use of nuclear materials in the U.S.
- Ensure licensees use nuclear materials and operate plants safely, and are prepared to respond to emergencies

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

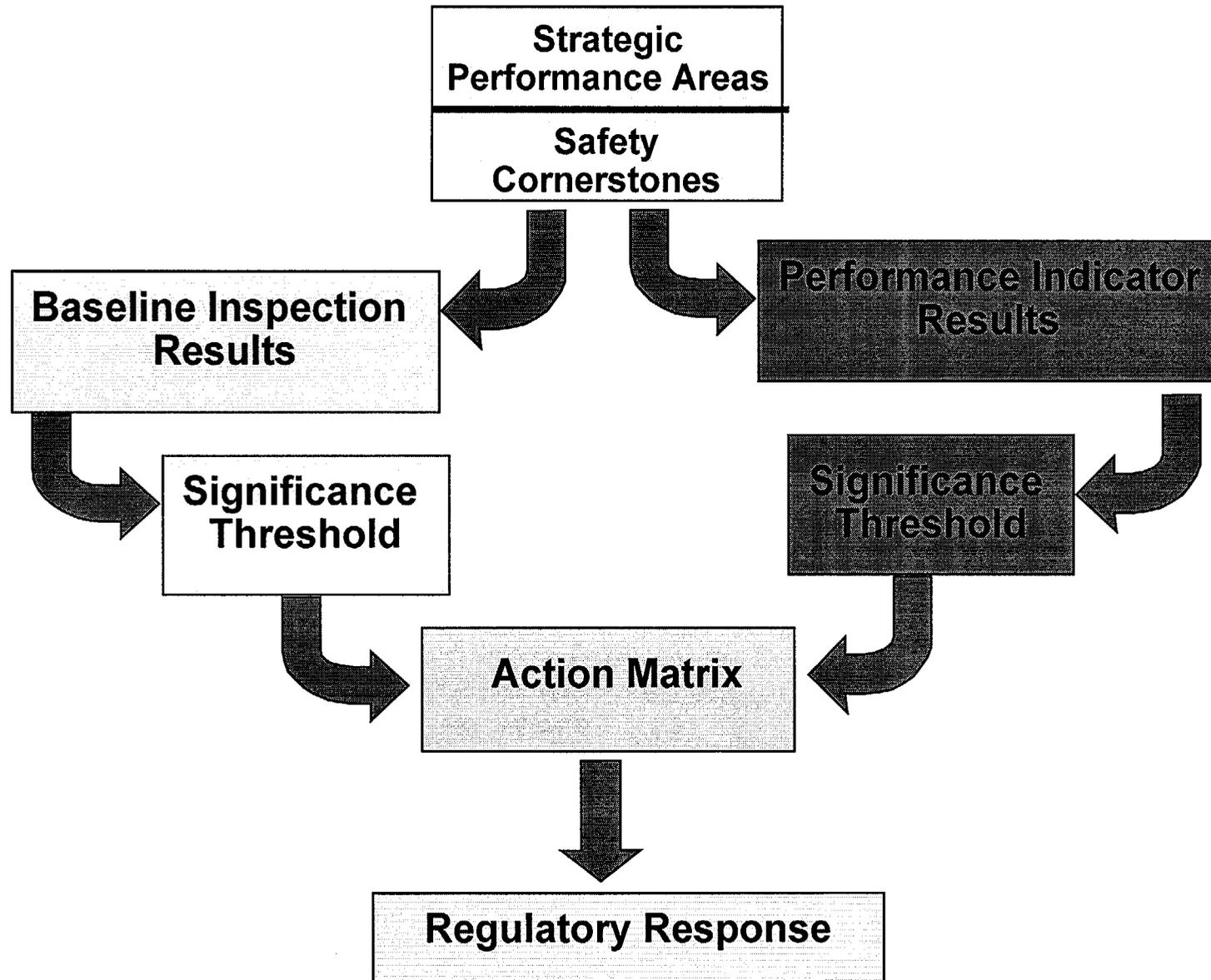
NRC Oversight Activities

- Provides assurance plants are operating safely and in accordance with the regulations
- Risk informed process
- Objective indicators of performance
- Inspections focused on key safety areas
- Defines expected NRC and licensee actions

NRC Response to 9/11

- Highest Level of Security Maintained
- Comprehensive Review of Security
- Closely Coordinated Response With:
 - Our Licensees
 - FBI
 - Military, State, and Local Agencies
 - Intelligence Communities
- Issued Security Advisories
 - Increased Patrols
 - Augmented Security Capabilities
 - Added Barriers and Posts
 - More Limited Access
 - Enhanced Security Awareness
- Issued Order on Security
- NRC Monitoring Enhanced Security

Reactor Oversight Process



Examples of Baseline Inspections

- Equipment Alignment ~ 70 hrs/yr
- Annual Fire Protection ~ 35 hrs/yr
- Triennial Fire Protection ~200 hrs every 3 yrs
- Operator Response ~ 125 hrs/yr
- Plant security ~40 hours/yr
- Emergency preparedness ~60 hrs/yr
- Rad release controls ~100 hrs every 2 years
- Worker radiation protection ~125 hrs/year
- Corrective action program 10% every inspection
- Corrective action program ~200 hr every 2 yrs

Significance Threshold

Performance Indicators

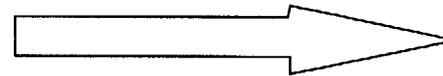
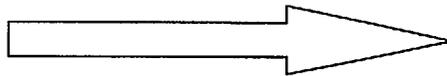
- Green: Only baseline Inspection
- White: May increase NRC oversight
- Yellow: Requires more NRC oversight
- Red: Requires more NRC oversight

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/Degraded Cornerstone	Unacceptable Performance
--------------------------	----------------------------	-----------------------------	--------------------------------------	---------------------------------



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

National Summary of Plant Performance

End of Calendar Year 2001

Licensee Response	74
Regulatory Response	24
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	1
Unacceptable	0

Total Plants	103
--------------	-----

National Summary

■ Performance Indicator Results 4th Qtr Calendar Yr 2001

▶ Green	1834
▶ White	8
▶ Yellow	0
▶ Red:	0

■ Total Inspection Findings (April 2001 - December 2001)

▶ Green	660
▶ White	23
▶ Yellow	2
▶ Red	0

Pilgrim Annual Assessment

(April 1 - Dec 31, 2001)

- Operated safely
- Fully met all cornerstone objectives
- Licensee Response Band of Action Matrix
 - ▶ All Inspection Findings of very low safety significance (Green)
 - ▶ All Performance Indicators requiring no additional NRC oversight (Green)
- NRC Plans to conduct baseline inspections

Pilgrim Inspection Activities

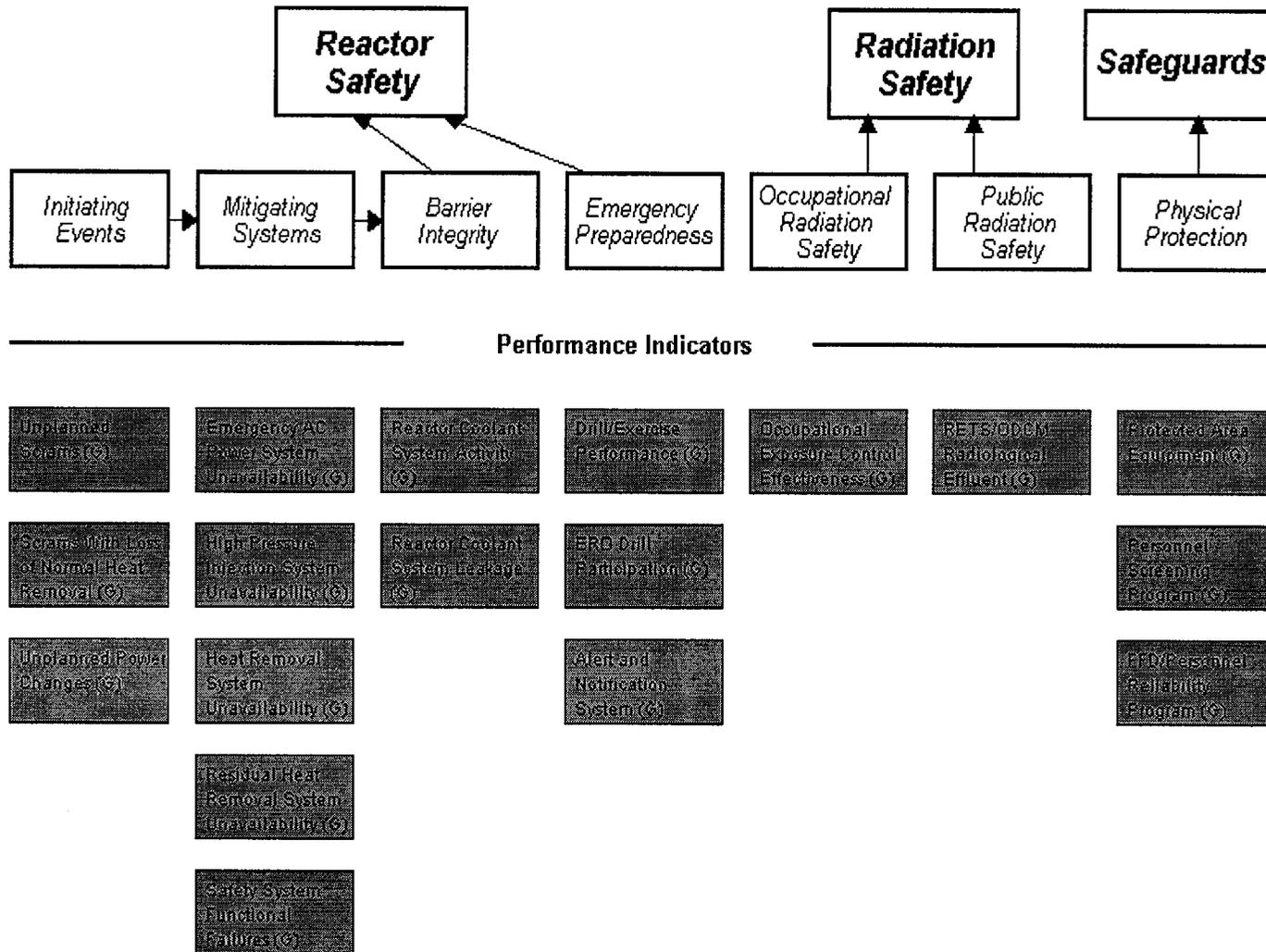
(Jan 1 - Dec 31, 2001)

- 4600 hours of inspection related activity
- Two resident inspectors performing resident inspections
- 17 inspections by regional inspectors
 - ▶ Includes 1 team inspection
- Inspection Findings
 - ▶ 5 findings of very low safety significance

Pilgrim

Performance Indicators 4Q/2001:

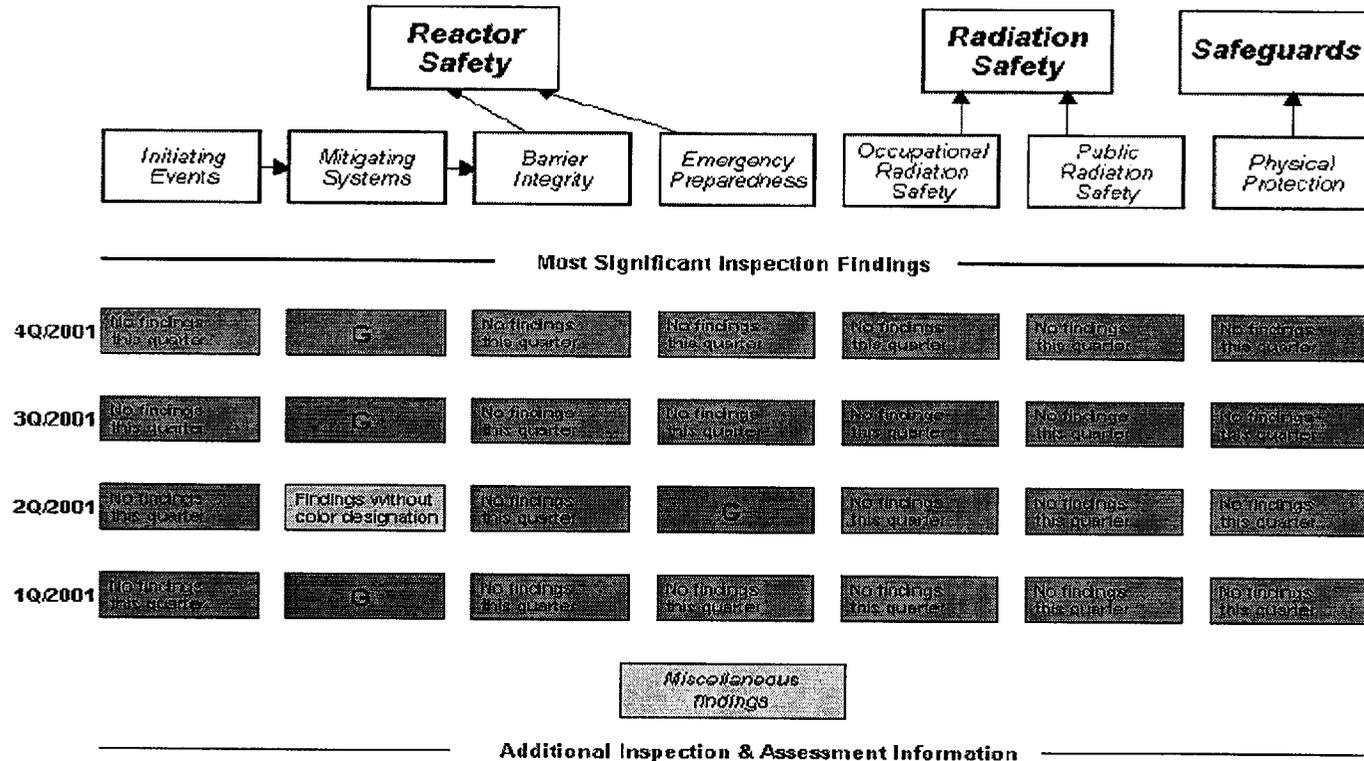
http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/PILG/pilg_chart.html



Pilgrim

Inspection Finding Summary:

http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/PILG/pilg_chart.html



◆ Assessment Reports/Inspection Plans:

4Q/2001

3Q/2001

2Q/2001

1Q/2001

◆ Cross Reference Of Assessment Reports

◆ List of Inspection Reports

◆ List of Assessment Letters/Inspection Plans

Backup Slides

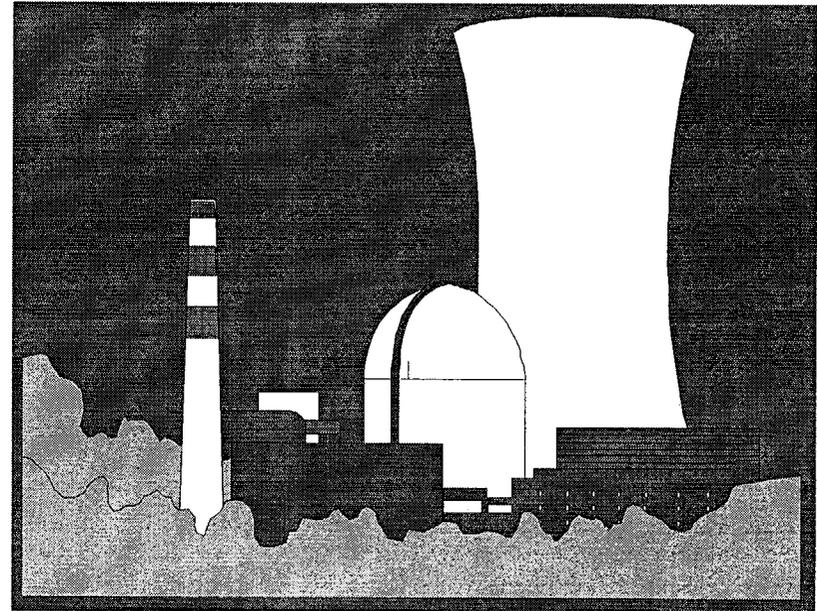
Strategic Performance Areas / Safety Cornerstones

- Reactor Safety
 - Initiating Events
 - Mitigating Systems
 - Barrier Integrity
 - Emergency Preparedness
- Radiation Safety
 - Occupational Radiation Safety
 - Public Radiation Safety
- Safeguards
 - Physical protection

NRC Resident and Regional Inspectors Conduct Safety Inspections

Baseline Inspections at all reactor sites to monitor plant safety performance in each of the Strategic Performance Areas

Event Follow-up and Supplemental Inspections when required



Key Aspects of Baseline Inspection Program

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

Event Follow-up & Supplemental Inspection

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

Performance Indicators

- 18 Performance Indicators
- Covers all cornerstones
- Licensee submits data to NRC quarterly
- Baseline Inspection program verifies accuracy
- Available on Reactor Oversight Program Web site

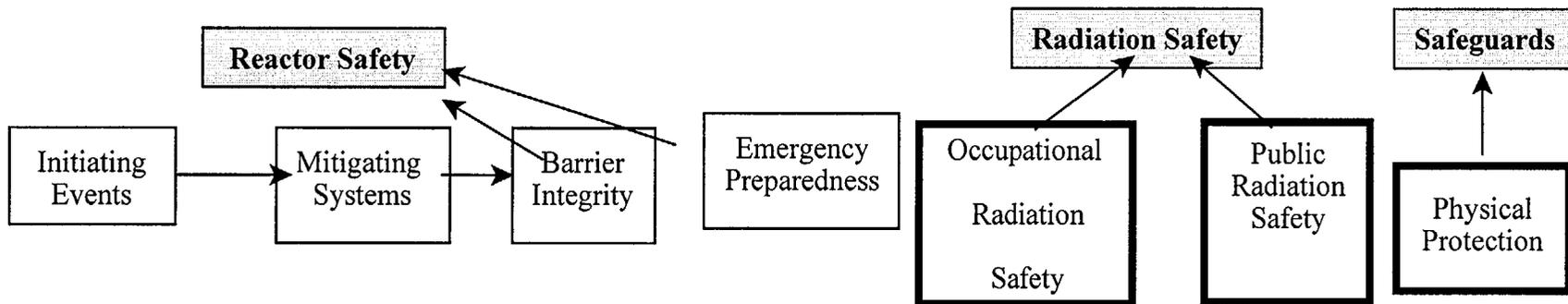
Key Aspects of Assessment Program

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

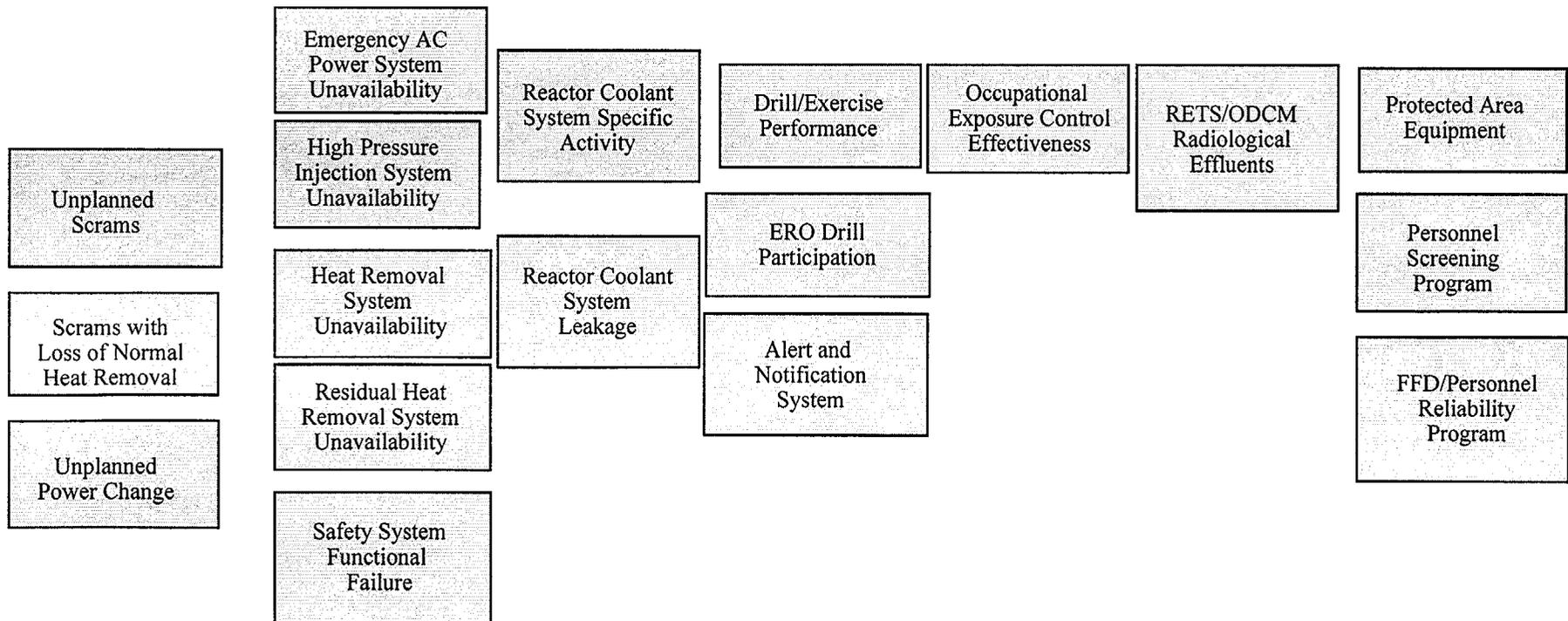
Substantive Cross Cutting Issue

- Common cause of inspection findings
 - ▶ Human performance
 - ▶ Problem Identification and Resolution
 - ▶ Safety conscious work environment
- Multiple inspection findings with a common cause
- Common cause documented in an assessment letter
- Focus licensee and NRC activities

Performance Indicators



Performance Indicators



Unplanned Scrams

Scrams with Loss of Normal Heat Removal

Unplanned Power Change

Emergency AC Power System Unavailability

High Pressure Injection System Unavailability

Heat Removal System Unavailability

Residual Heat Removal System Unavailability

Safety System Functional Failure

Reactor Coolant System Specific Activity

Reactor Coolant System Leakage

Drill/Exercise Performance

ERO Drill Participation

Alert and Notification System

Occupational Exposure Control Effectiveness

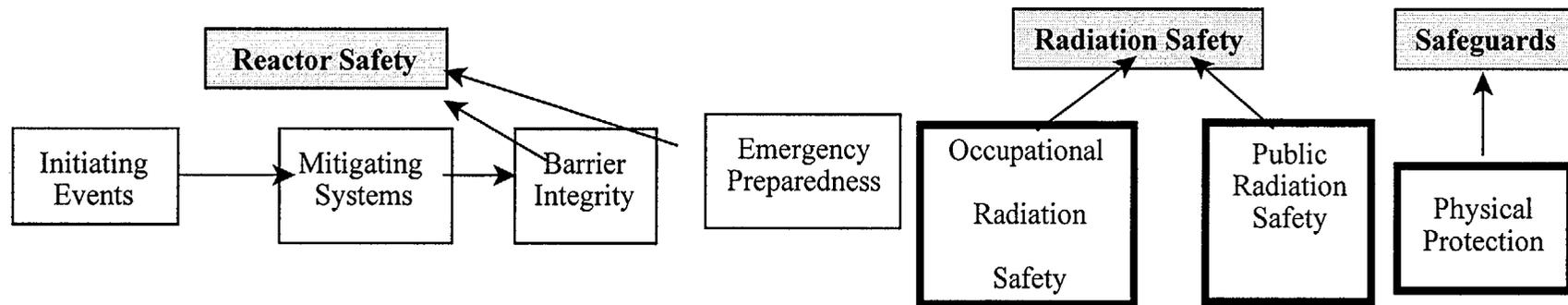
RETS/ODCM Radiological Effluents

Protected Area Equipment

Personnel Screening Program

FFD/Personnel Reliability Program

Inspection Areas



Inspection Procedures

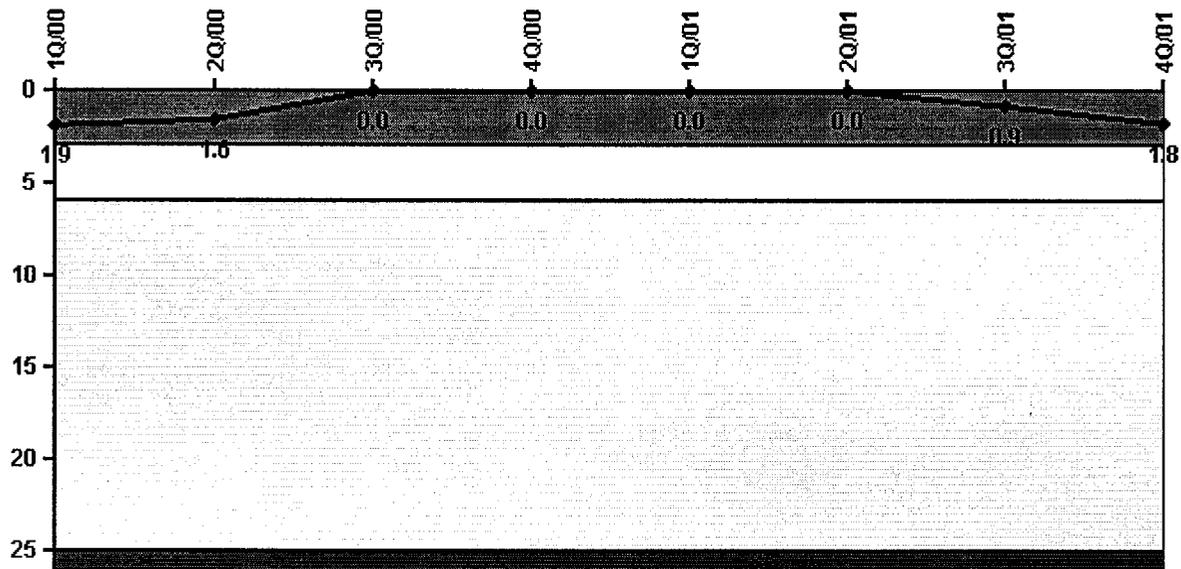
- Adverse Weather
- Evaluation of Changes
- Equipment Alignment
- Fire Protection
- Flood Protection
- Heat Sink
- In Service Inspection
- Operator Requalification
- Maintenance Rule Imp
- Maintenance Risk Assessment
- Non-Routine Events
- Operability Evaluation
- Operator Workarounds
- Permanent Mods-Online
- Permanent Mods
- Post Maintenance Test
- Refueling Outage
- SSDI
- Surveillance Testing
- Temporary Modifications
- PI&R
- Event Follow-up
- PI Verification
- Exercise Evaluation
- Alert and Notice
- ERO Augment
- EAL
- EP Preparation
- Drill Evaluation
- RAD Access
- ALARA Plan
- RAD monitoring
- RAD Effluents
- RAD Transport
- RAD Environmental
- Sec Authorization Access
- Sec Search
- Sec Response
- Sec Plan change

NRC Action Matrix

	Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/ Repetitive Degraded Cornerstone Column	Unacceptable Performance Column	
RESULTS	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	
RESPONSE	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 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
COMMUNICATION	Assessment Reports	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 ----->					

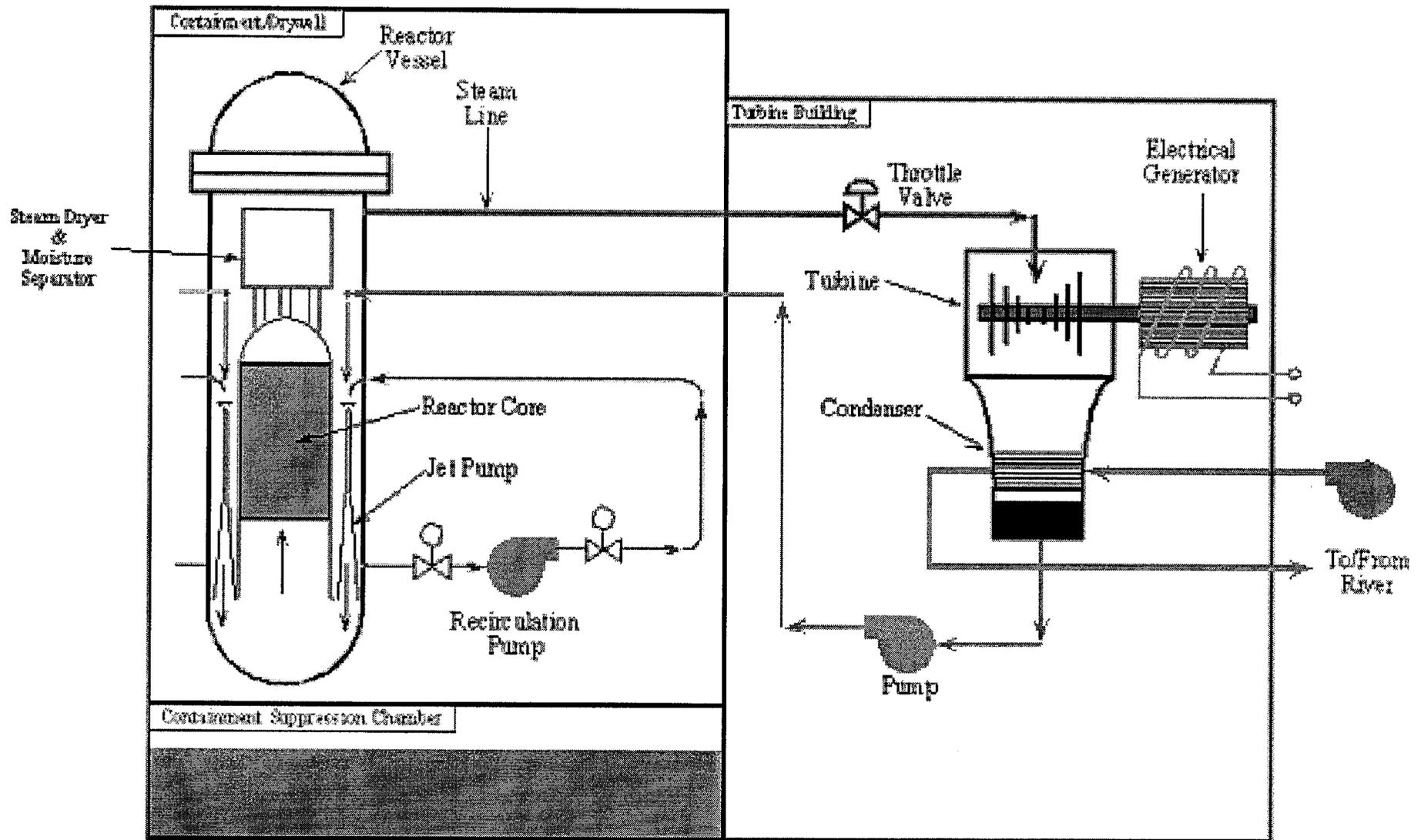
Performance Indicator

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Simplified Boiling Water Reactor



Simplified Pressurized Water Reactor

