

Annual Assessment Meeting Oconee Nuclear Station



Nuclear Regulatory Commission
April 3, 2003

Meeting Agenda

- **Welcome/Introductions**
- **ROP Overview**
- **Review of Oconee 2002 Performance**
- **DEC Response/Comments**
- **Public Questions and Answers**

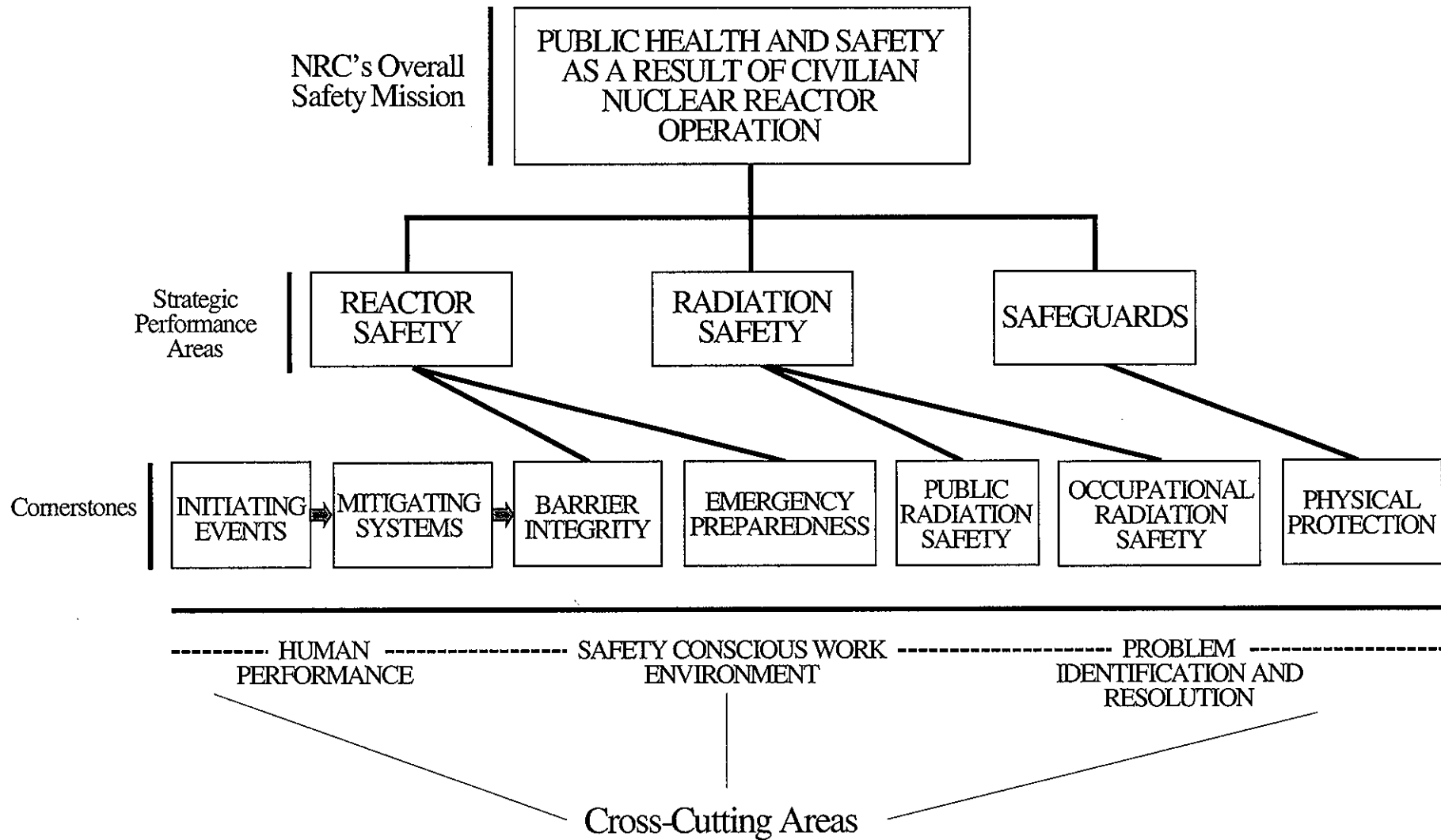
Annual Licensee Assessment Meeting

- A public forum for discussion of the licensee's performance as outlined in the NRC's Annual Assessment Letter
- Provide licensee with an opportunity to respond to the information in the Assessment Letter

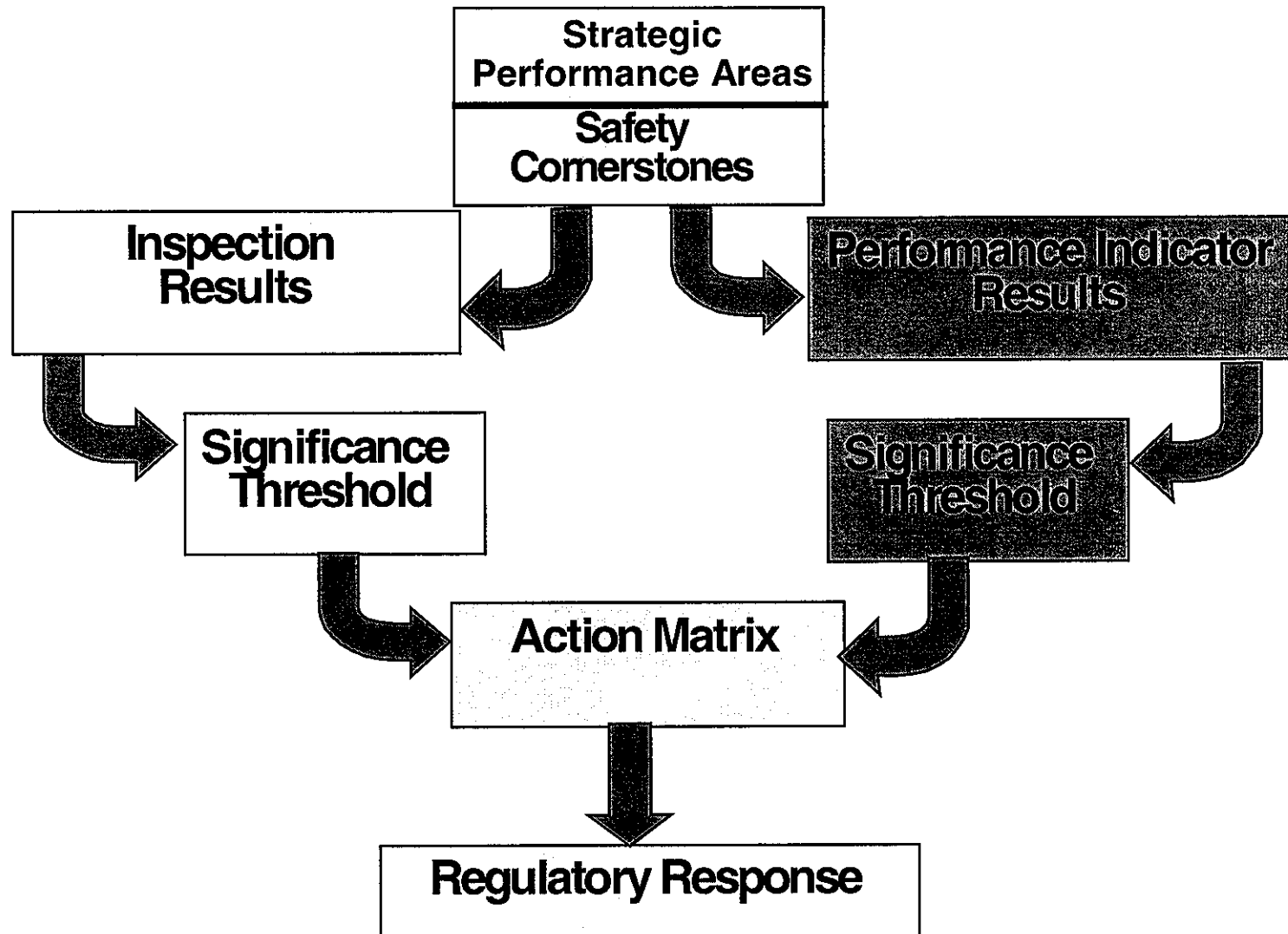
NRC Performance Goals

- Maintain safety and protect the environment
- Enhance public confidence
- Improve effectiveness, efficiency, and realism of processes and decision making
- Reduce unnecessary regulatory burden

Exhibit 1: REGULATORY FRAMEWORK



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:
 - ▶ http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/actionmatrix_summary.html

NRC Inspection Activities in 2002

- Base Line
- Reactor Pressure Vessel Head and Penetration Nozzles
- Security Interim Compensatory Measures (partial)
- Supplemental Inspections
 - ▶ Unit 1 “Degraded Cornerstone” 95002 Followup
 - ▶ Unit 1 “Multiple Repetitive Degraded Cornerstone” 95002
 - EDO approved Action Matrix Deviation (95002 vs. 95003)
 - ▶ Unit 1 “old design issue” 95001
- Problem Identification & Resolution
- Independent Spent Fuel Storage Installation

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 Moderate Degradation in Safety Performance	Repetitive Degraded Cornerstone, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or 1 Red Input; Cornerstone Objectives Met with Longstanding Issues or Significant Degradation in Safety Performance	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 root cause evaluation and corrective action with NRC Oversight	Licensee cumulative root cause evaluation with NRC Oversight	Licensee cumulative root cause evaluation with consideration of a 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 ¹	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 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)	
	Annual Public Meeting	SRI or BC Meet with Licensee	BC or DD Meet with Licensee	RA (or DD) Discuss Performance with Licensee	RA or EDO Discuss Performance with Senior Licensee Management	
	Commission Involvement	None	None	None	Plant discussed at AARM	Commission Meeting with Senior Licensee Management
INCREASING SAFETY SIGNIFICANCE ----->						

Note 1: The regulatory actions for plants in the Multiple/Repetitive Degraded Cornerstone column are not mandatory agency actions. However, the regional office should consider each of these regulatory actions when significant new information regarding licensee performance becomes available.

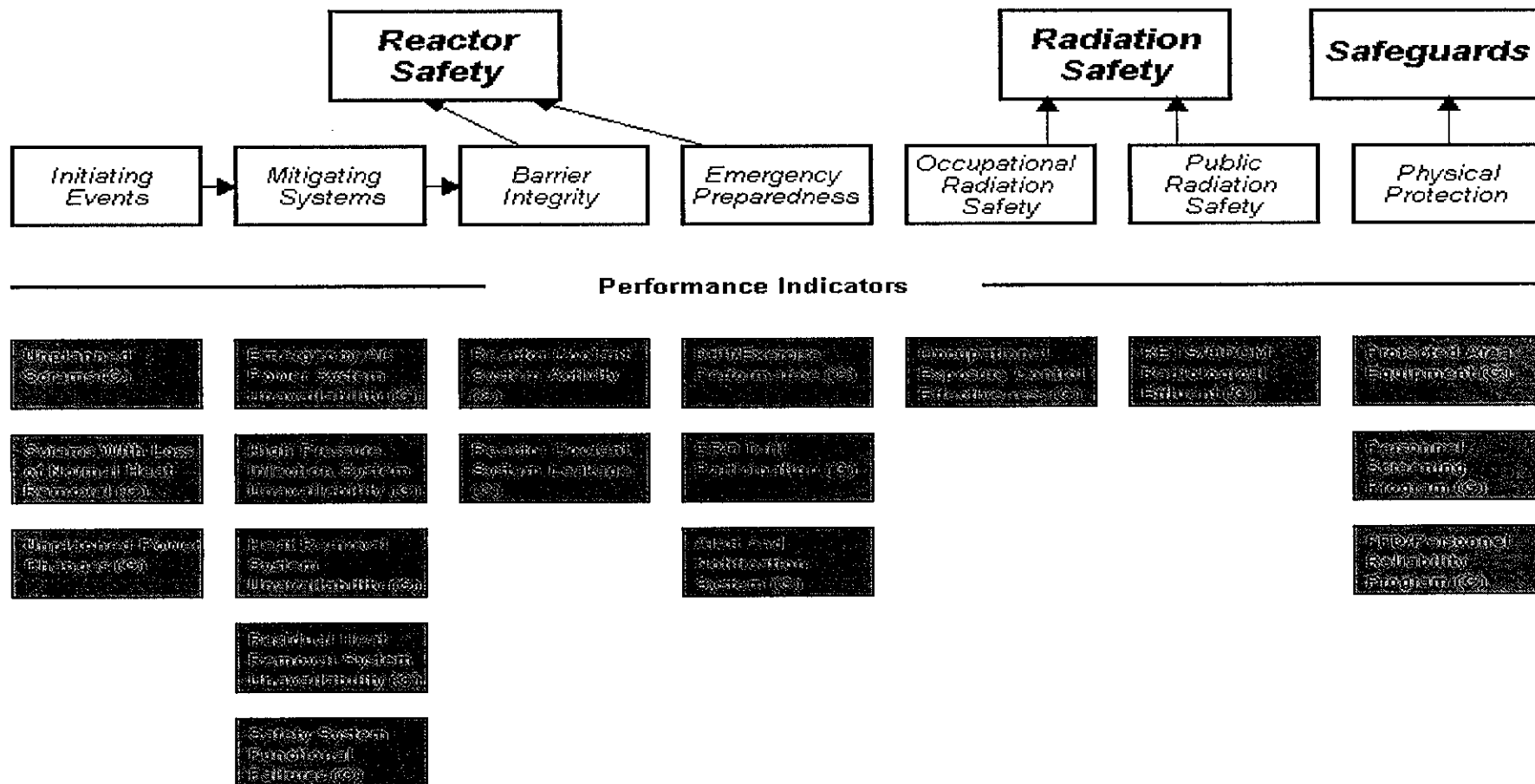
Plant Performance Summary

- **Public Health and Safety Preserved**
- **Cornerstone Objectives Met**
- **Unit 1 - Multiple/Repetitive Degraded Cornerstone (M/RDC) Column (1st & 2nd Qtr02)**
 - ▶ White Mitigating Systems PI & Finding (degraded cornerstone > 5 Qtrs)
- **Unit 1 - Regulatory Response (RgRsp) Column (3rd & 4th Qtr02)**
 - ▶ White Mitigating Systems PI & Barrier Integrity Finding
- **Unit 2 - Licensee Response Column**
 - ▶ All PIs & Findings Green
- **Unit 3 - Regulatory Response Column (4th Qtr02)**
 - ▶ White Mitigating Systems Finding

CORNERSTONE ISSUE	1 st Qtr02	2 nd Qtr02	3 rd Qtr02	4 th Qtr02
	U1-M/RDC	U1-M/RDC		
Mitigating Systems White Finding - Unit 1 SFP/HPI Pump (cont'd from 2 nd Qtr00)	developing corrective actions	CLOSED (95002 followup)		
			U1-RgRsp	U1-RgRsp
Mitigating Systems White PI - Unit 1 1B MDEFW Pump Unavailability (cont'd from 1 st Qtr01)	affected 1 st & 2 nd Qtr01 [reported 3 rd Qtr 02]	affected 1 st & 2 nd Qtr01 [reported 3 rd Qtr 02]	affected 1 st & 2 nd Qtr01 [reported 3 rd Qtr 02]	CLOSED (M/RDC 95002)
Barrier Integrity White Finding - Unit 1 Reduced Inventory AOP Containment Integrity				CLOSED (M/RDC 95002) [to remain thru end 1 st Qtr03]
				U3-RgRsp
Mitigating Systems White Finding - Unit 3 HPI Pump Aux Swgr Emergency Power Cable				[to remain thru end 3 rd Qtr03]

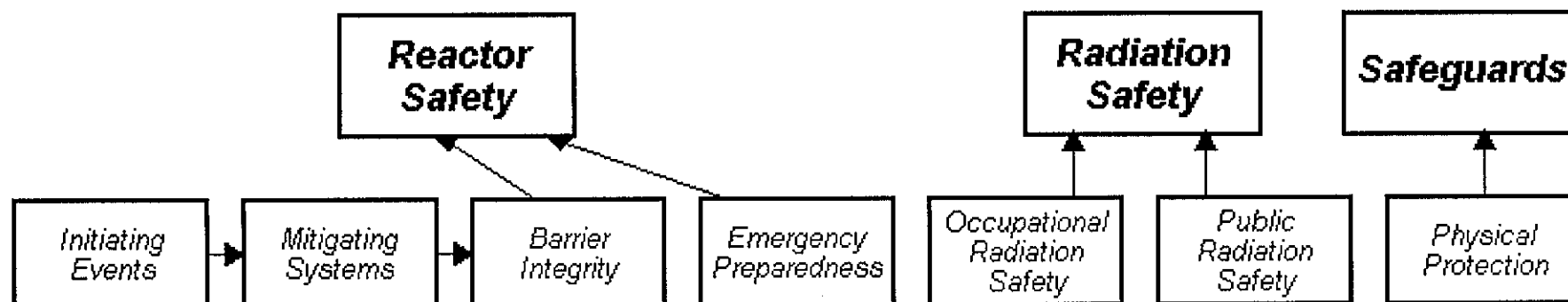
Fourth Quarter 2002 Performance Summary Performance Indicators

UNIT 1



YEAR 2002 Performance Summary Most Significant Inspection Findings

UNIT 1

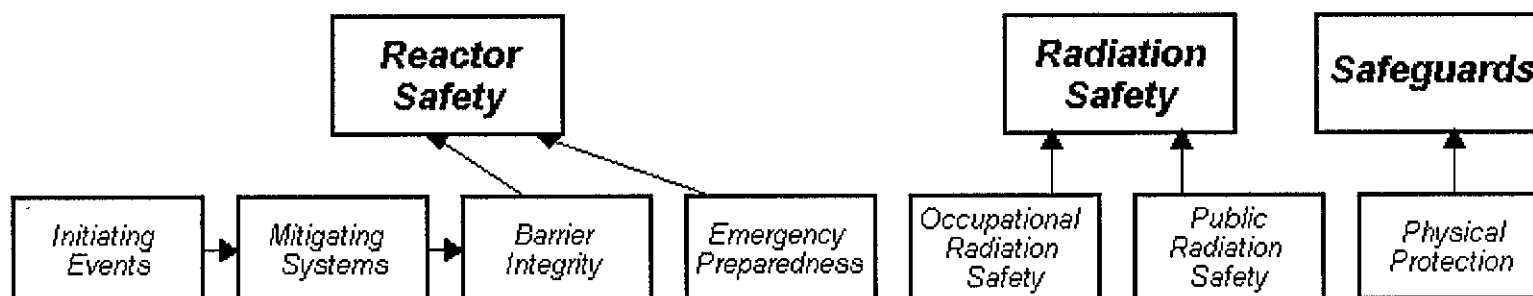


Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2002	No findings this quarter	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2002	No findings this quarter	W (1)	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2002	No findings this quarter	C	W (1)	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2002	No findings this quarter	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Fourth Quarter 2002 Performance Summary Performance Indicators

UNIT 2

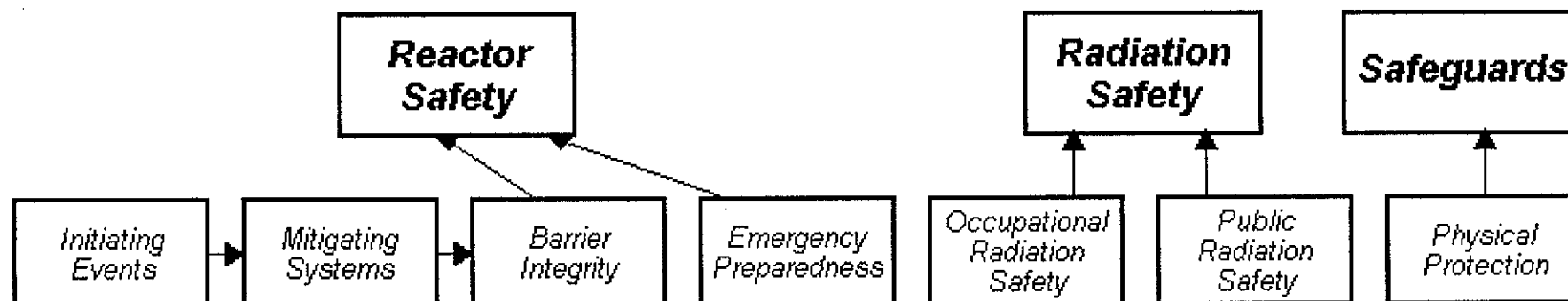


Performance Indicators

Unplanned Shutdowns (C)	Emergency AC Power System Unavailability (C)	Reactor Control System Alarms (C)	Off-Emergency Performance (C)	Occupational Exposure Control Effectiveness (C)	RTS/ROCCM Radiological Effectiveness (C)	Protected Area Equipment (C)
Systems With Loss of Normal Heat Removal (C)	High Pressure Injection System Unavailability (C)	Reactor Control System Leaks (C)	Grid Inlet Participation (C)			Personnel Screening Program (C)
Unplanned Power Changes (C)	Heat Removal System Unavailability (C)		Alert and Notification System (C)			RAM Personnel Reliability Program (C)
	Reactor Heat Removal System Unavailability (C)					
	Safety System Functional Failures (C)					

YEAR 2002 Performance Summary Most Significant Inspection Findings

UNIT 2

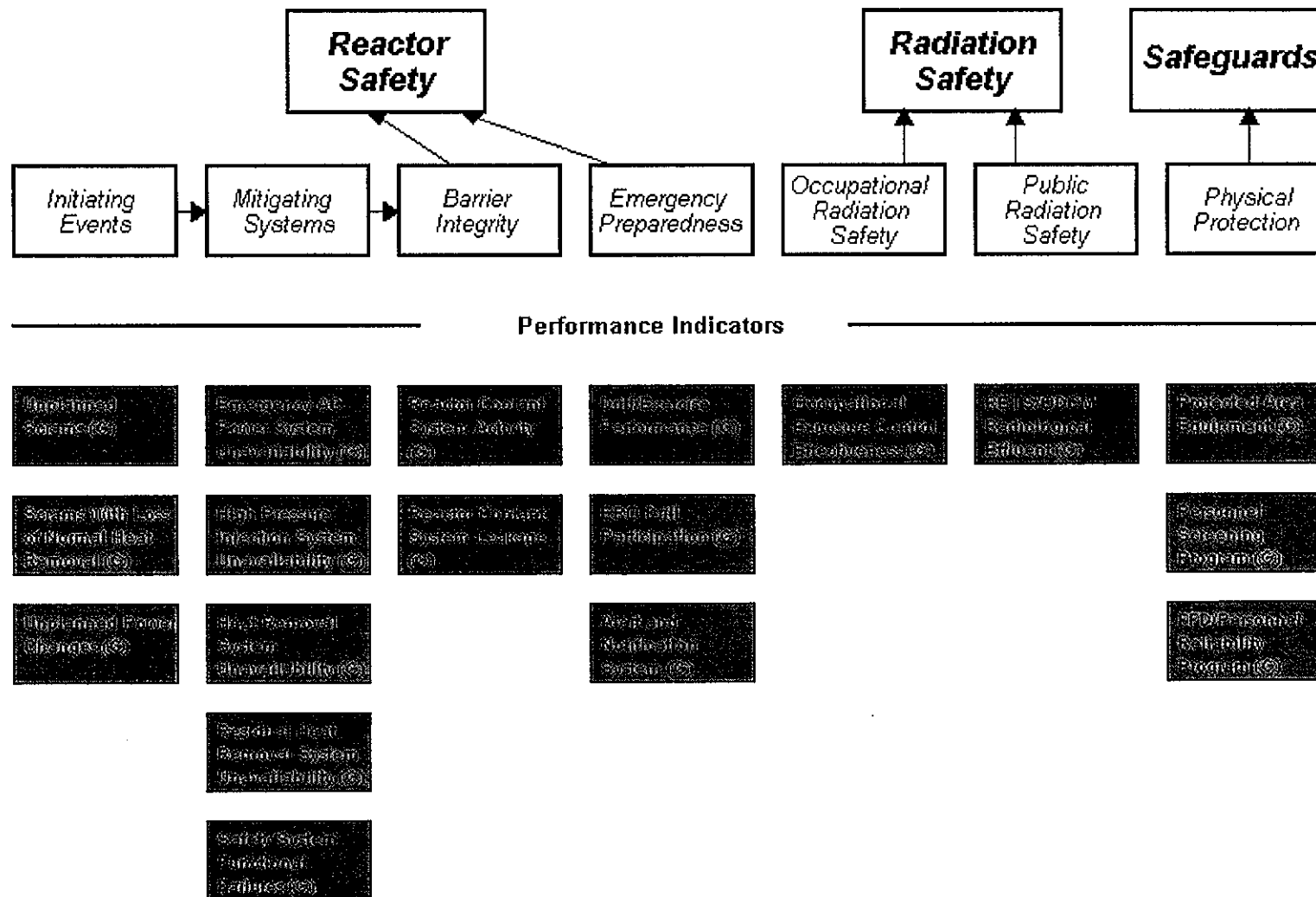


Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2002	No findings this quarter	C	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2002	No findings this quarter	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2002	No findings this quarter	C	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
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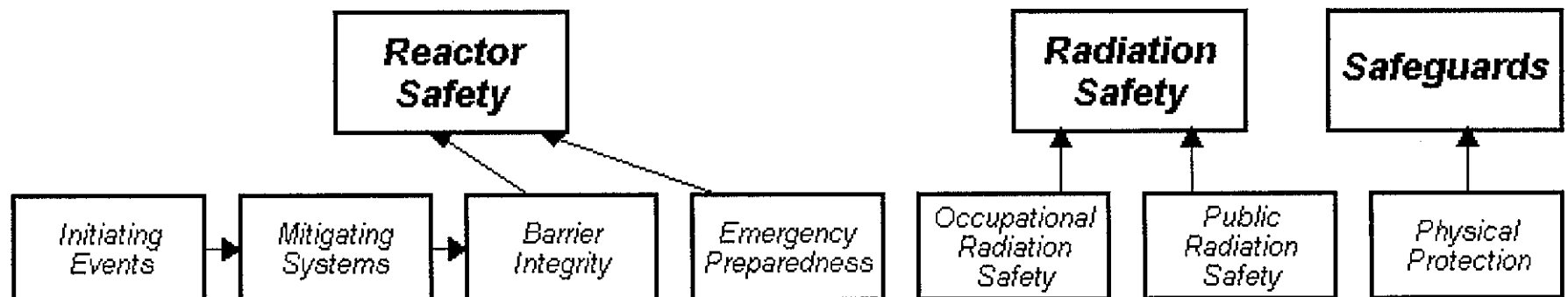
Fourth Quarter 2002 Performance Summary Performance Indicators

UNIT 3



Year 2002 Performance Summary Most Significant Inspection Findings

UNIT 3



Most Significant Inspection Findings

	Initiating Events	Mitigating Systems	Barrier Integrity	Emergency Preparedness	Occupational Radiation Safety	Public Radiation Safety	Physical Protection
4Q/2002	No findings this quarter	W (1)	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2002	No findings this quarter	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
2Q/2002	No findings this quarter	C	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2002	No findings this quarter	C	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

Greater than GREEN Findings (Details)

■ Mitigating Systems

- ▶ White (Unit 1) - SFP/HPI pump tornado mitigation [2Qtr00 - 2Qtr02]
- ▶ White (Unit 1 Old Design Issue) - Auxiliary Building vulnerability to HPSW pipe rupture/flood [1Qtr02 - 4Qtr02]
- ▶ White (Unit 3) - HPI pump Auxiliary Switch Gear emergency cable [4Qtr02; 95001 scheduled 2Qtr03]

■ Barrier Integrity

- ▶ White (Unit 1) - problem with reduced inventory AOP ensuring containment integrity [2Qtr02 - 1Qtr03]

Greater than GREEN PIs (Details)

■ Mitigating Systems

- ▶ White (Unit 1) - 1B MDEFW pump unavailability
[1Qtr01 - 4Qtr02]

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

Contacts for additional information for:

Oconee Nuclear Station

- **Regional Public Affairs Officer:**

- ▶ Name: Kenneth Clark
- ▶ Phone: (404) 562 - 4416

- **State Liaison Officer:**

- ▶ Name: Robert Trojanowski
- ▶ Phone: (404) 562 - 4427

- **Branch Chief:**

- ▶ Name: Robert Haag
- ▶ Phone: (404) 562 - 4550

- **Senior Resident Inspector:**

- ▶ Name: Mel Shannon
- ▶ Phone: (864) 882 - 6927

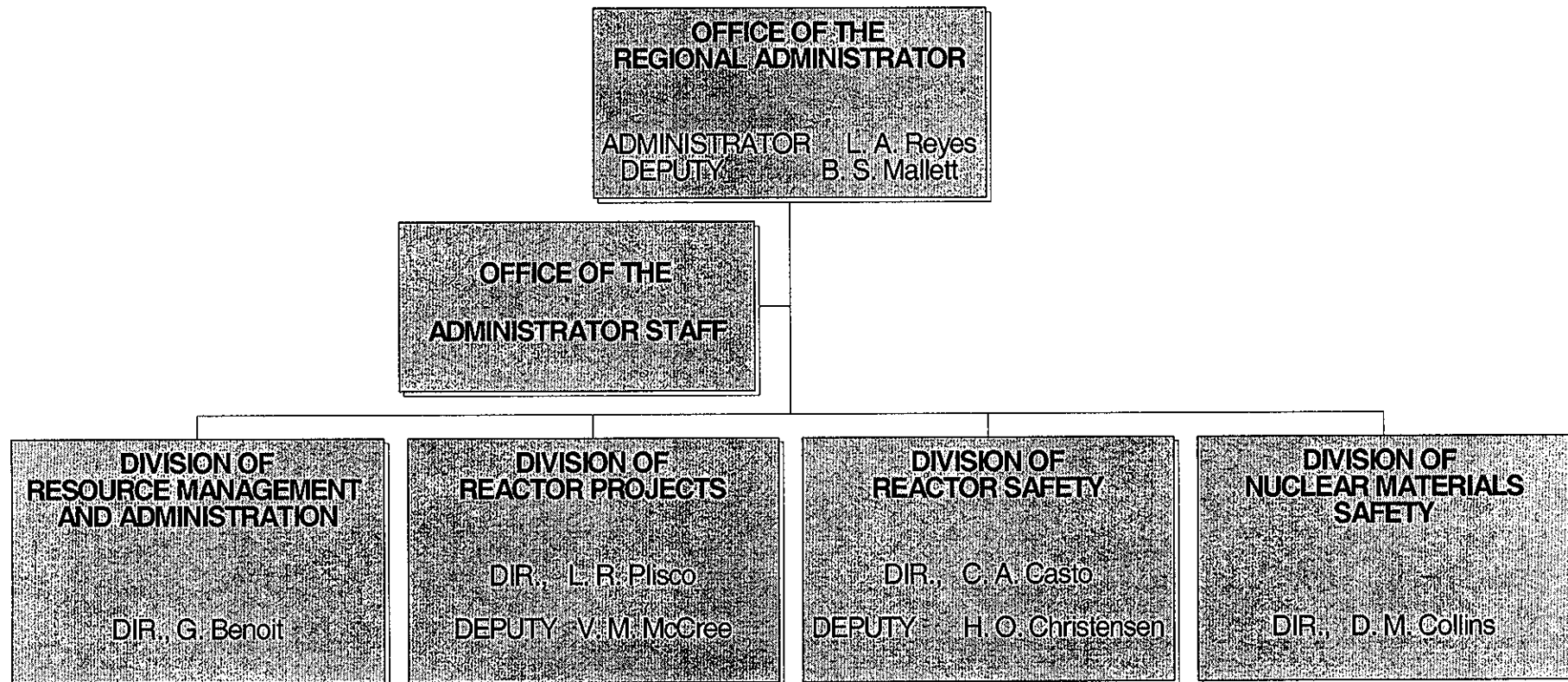
Contacting the NRC

- 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

Regional Organization



Regional Organization

