



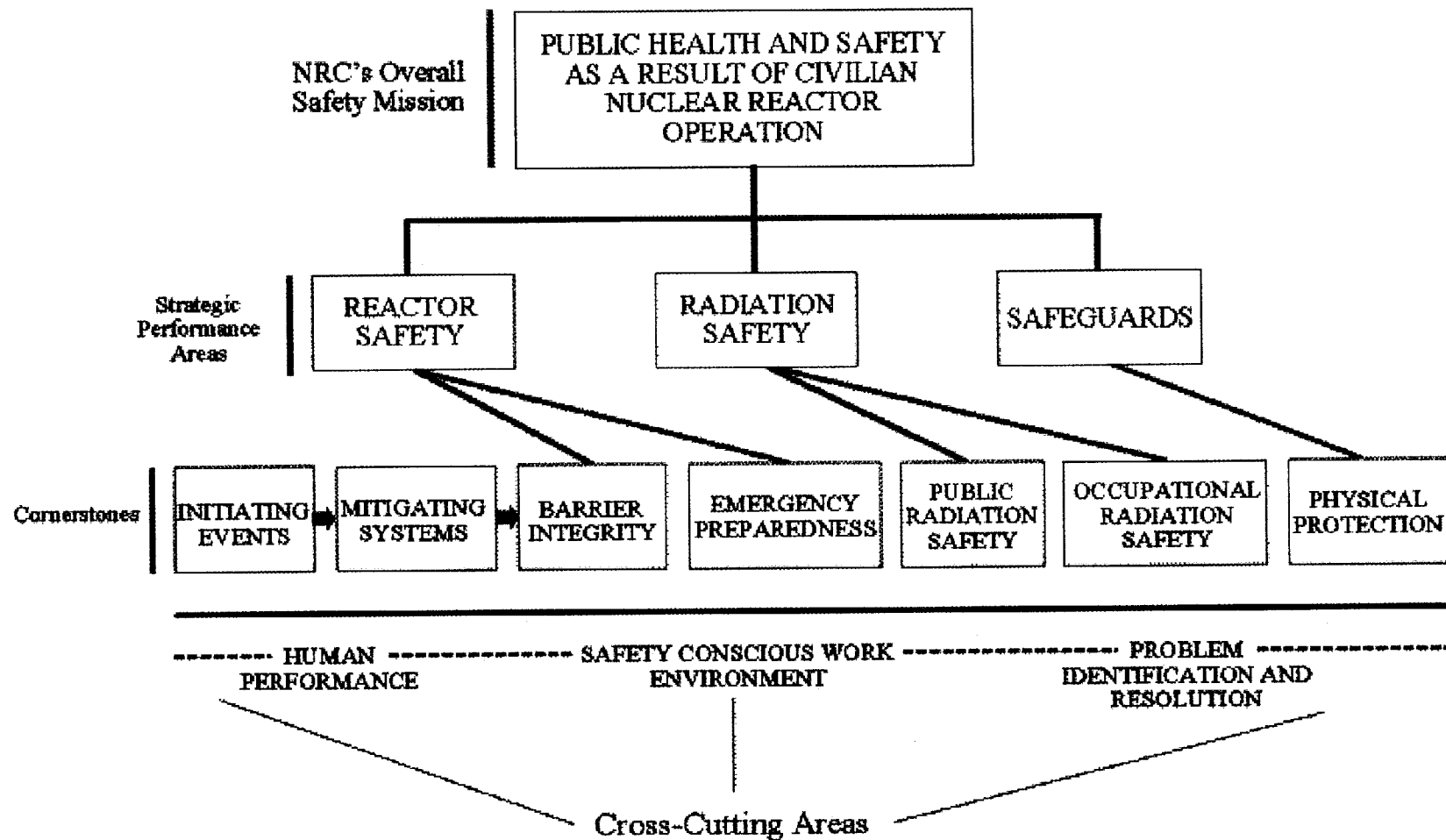
RISK-INFORMED REGULATION AND REACTOR OVERSIGHT

**Richard A. Meserve
Chairman
U.S. Nuclear Regulatory Commission**

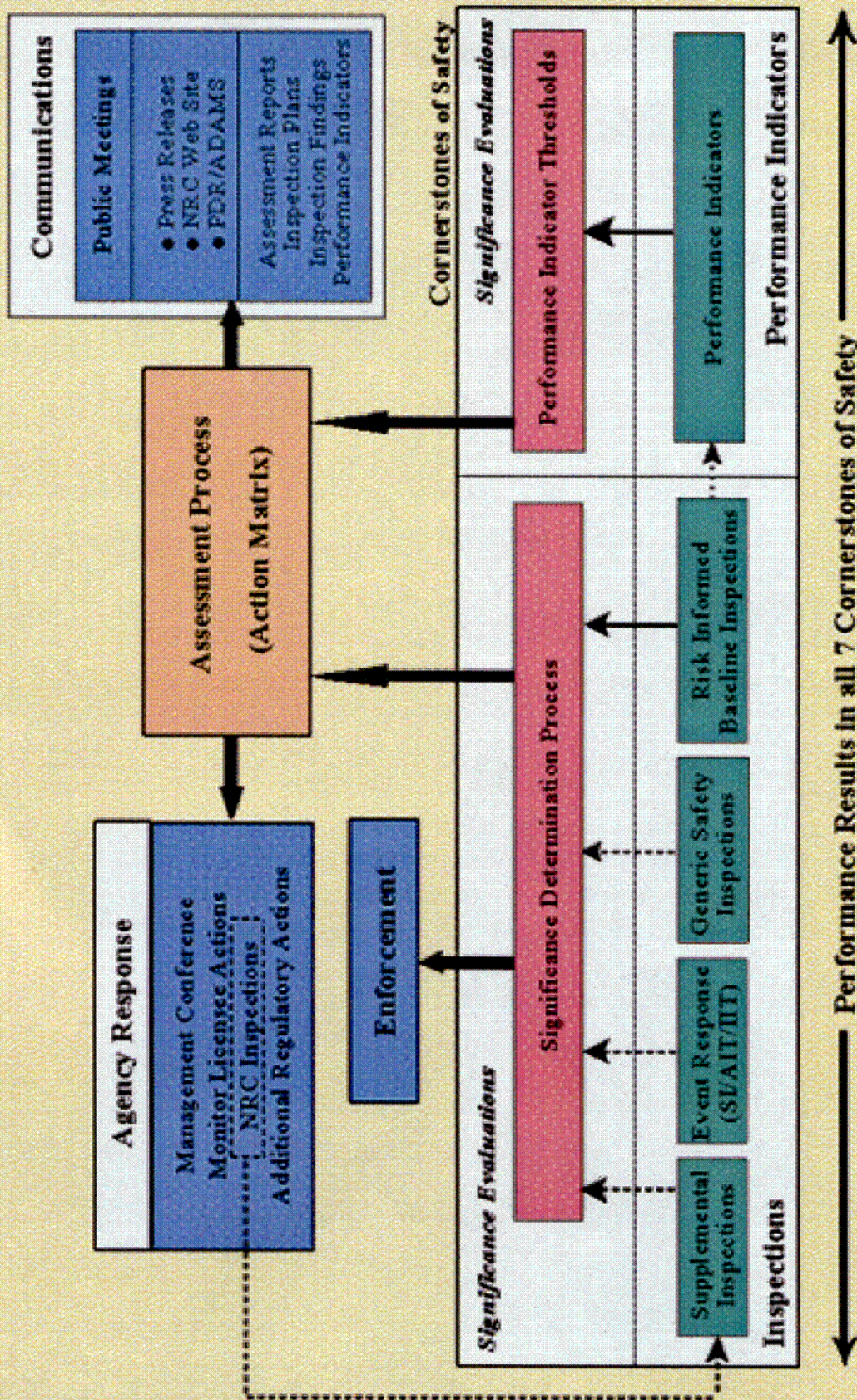
**Presentation to the Staff of
the Naval Reactors Program**

February 12, 2002

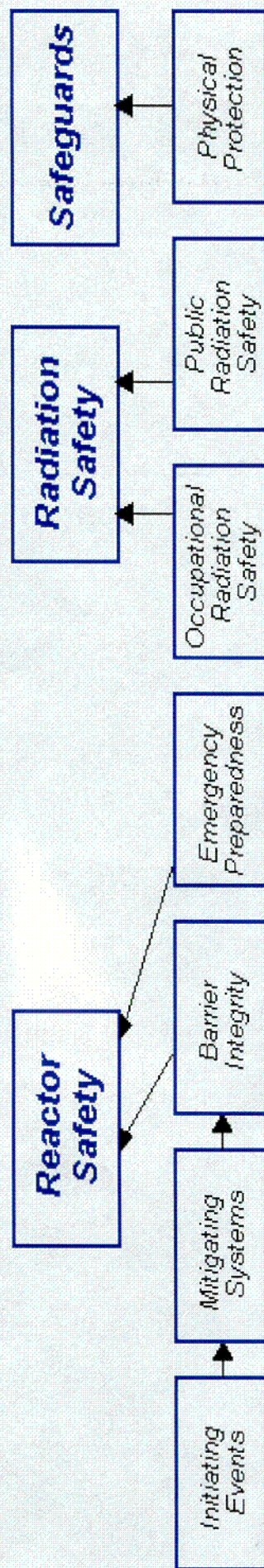
REGULATORY FRAMEWORK



REACTOR OVERSIGHT PROCESS



2Q/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/DDCM Radiological Effluent (G)	Protected Area Equipment (G)
Scrams with Loss of Normal Heat Removal (G)	High Pressure Injection System Unavailability (00)	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)					

NRC Action Matrix

Assessment of Plant Performance (in order of increasing safety significance)

- I. All performance indicators and cornerstone inspection findings **GREEN**
- Cornerstone objectives fully met

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- II. No more than two **WHITE** inputs in different cornerstones

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- III. One degraded cornerstone (two **WHITE** inputs or one **YELLOW** input or three **WHITE** inputs in any strategic area)
- Cornerstone objectives met with minimal reduction in safety margin

NRC Response

- Routine inspector and staff interaction
- Baseline inspection program
- Annual assessment public meeting

Response at Regional Level

- Staff to hold public meeting with licensee management
- Licensee corrective action to address **WHITE** inputs
- NRC inspection followup on **WHITE** inputs and corrective action

Response at Regional Level

- Senior regional management to hold public meeting with licensee management
- Licensee to conduct self-assessment with NRC oversight
- Additional inspections focused on cause of degraded performance

NRC Action Matrix

Assessment of Plant Performance (in order of increasing safety significance)

- IV. Repetitive degraded cornerstone, multiple degraded cornerstones, or multiple YELLOW inputs, or one RED input**
- **Cornerstone objectives met with long-standing issues or significant reduction in safety margin**

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- V. Unacceptable Performance**
- **Unacceptable reduction in safety margin**

NRC Response

Response at Agency level

- **Executive Director for Operations to hold public meeting with senior licensee management**
- **Licensee develops performance improvement plan with NRC oversight**
- **NRC team inspection focused on cause of degraded performance**
- **Consideration of Demand for Information , Confirmatory Action Letter, or Order**

Response at Agency Level

- **Plant not permitted to operate**
- **Commission meeting with senior licensee management**
- **Order to modify, suspend, or revoke license**