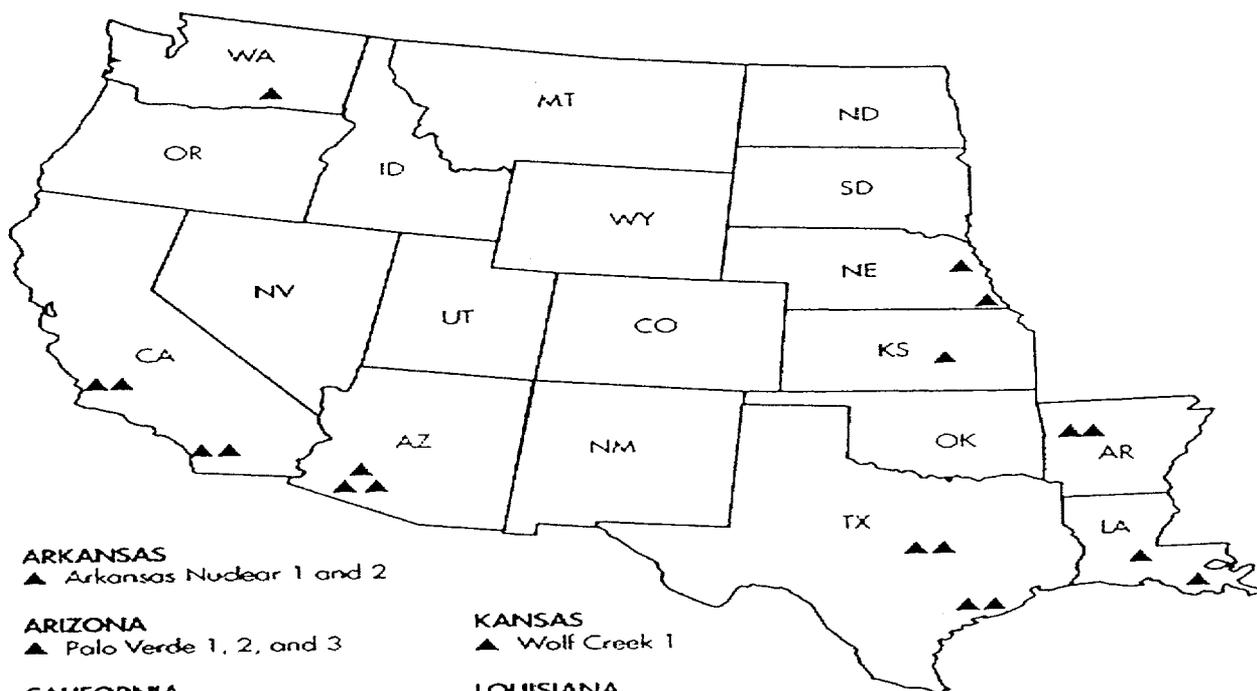




Nuclear Power Plant Oversight Program

Division of Reactor Projects, NRC, Region IV

Region IV Power Reactors



ARKANSAS
▲ Arkansas Nuclear 1 and 2

ARIZONA
▲ Palo Verde 1, 2, and 3

CALIFORNIA
▲ Diablo Canyon 1 and 2
▲ San Onofre 2 and 3

▲ Licensed to Operate (19)

KANSAS
▲ Wolf Creek 1

LOUISIANA
▲ River Bend 1
▲ Waterford 3

NEBRASKA
▲ Cooper
▲ Fort Calhoun

TEXAS
▲ Comanche Peak 1 and 2
▲ South Texas Project 1 and 2

WASHINGTON
▲ Washington Nuclear 2

Overview for this evening

- **Who we are**
- **Why we are here**
- **Overview of new program**
- **Key benefits of the new program**
- **What's in it for you**
- **Your questions**

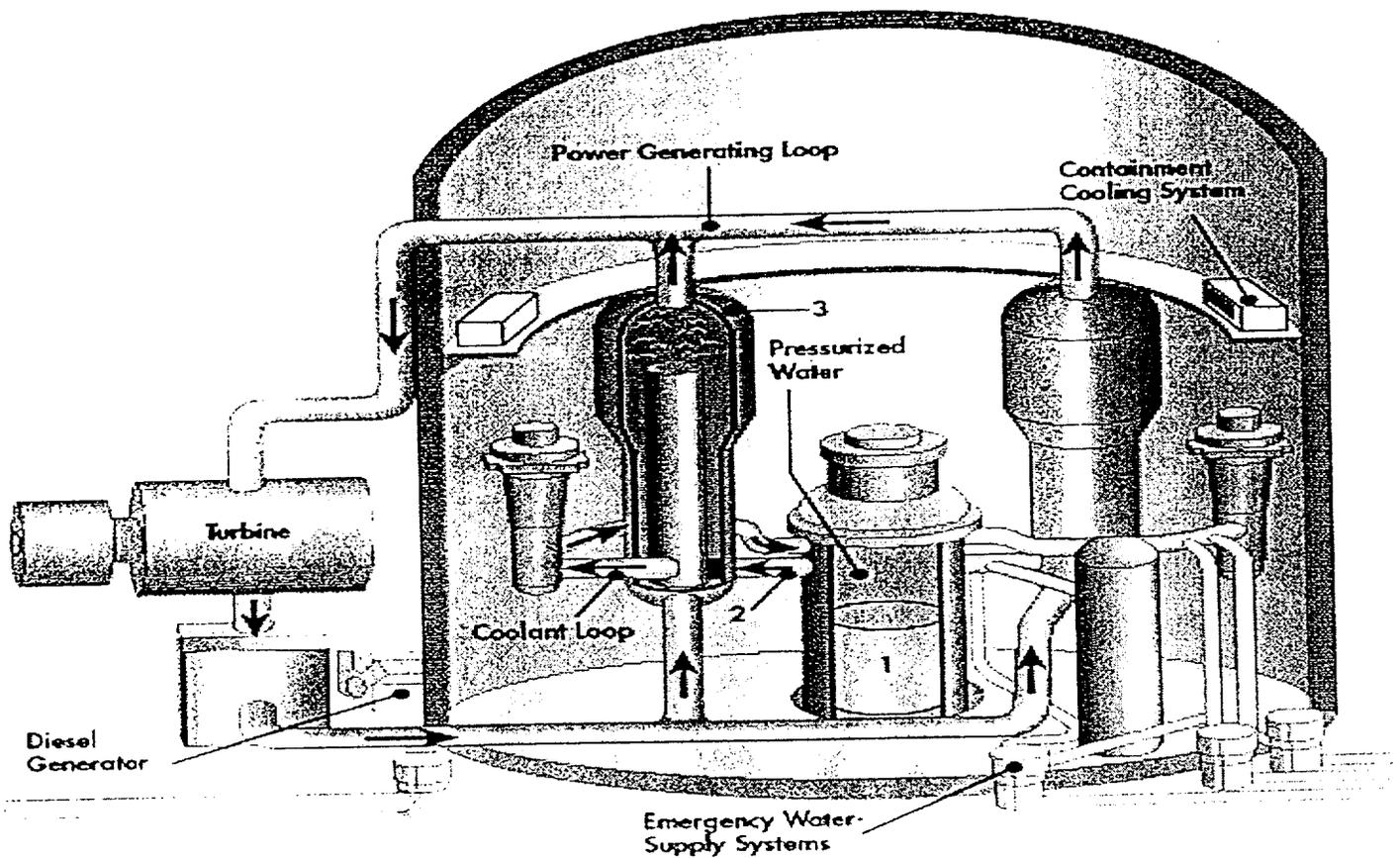
Who we are....

- The Nuclear Regulatory Commission is a Federal Government agency with the mission of ensuring adequate protection of the public health and safety as it relates to the peaceful use of nuclear materials in the United States.

Overall 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.
- Ensure that research provides the technical bases for sound rules and regulations.

A Typical Power Reactor

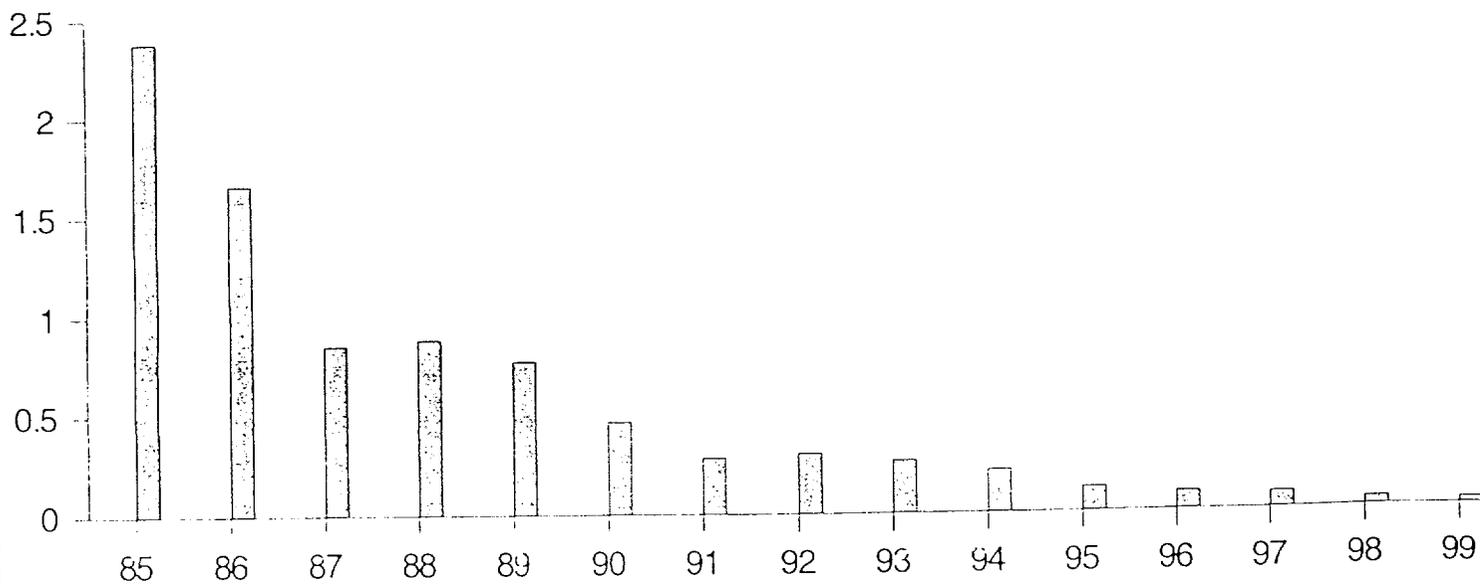


Performance Trends

Maintaining Safety

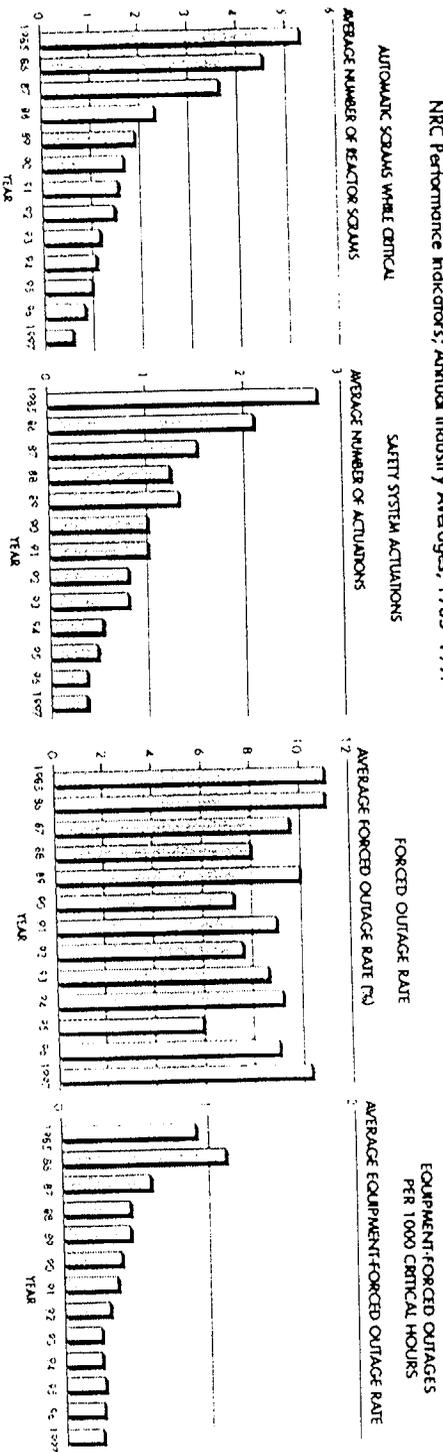
- Goal - No Statistically Significant Adverse Industry Trends in Safety Performance

Average Number of Significant Events



Industry Performance Indicators

NRC Performance Indicators: Annual Industry Averages, 1985-1997*



* Calendar year values are used for 1985 through 1995. Fiscal year values are used beginning in 1996. Data for October 1, 1995, through December 31, 1995, are included in both calendar year 1995 and fiscal year 1996 values. Refer to Appendix F for values.

** The hatched areas represent additional data that resulted from redissolution of safety system failures.

Note: Data represent overall industry averages; with plants in extended shutdown excluded. Data are rounded for display purposes. These data may differ slightly from previously published data as a result of refinements in data quality.

Source: Licensee data as compiled by the Nuclear Regulatory Commission

Current Oversight of Nuclear Power Plants Reflect:

- Maturing industry,
- Maturing technology,
- Improved plant performance,
- Improved regulatory tools.

Four Key NRC Objectives Of NRC Oversight

- Maintain safety
- Enhance public confidence
- Improve effectiveness and efficiency
- Reduce unnecessary regulatory burden

Our revised process . . .

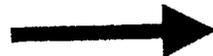
- **Based upon a logical and sound framework**
- **Utilizes objective indicators of performance**
- **Utilizes inspections focused on key safety areas**
- **Provides for a more consistent and objective process**

KEY ASPECTS OF THE NEW PROCESS

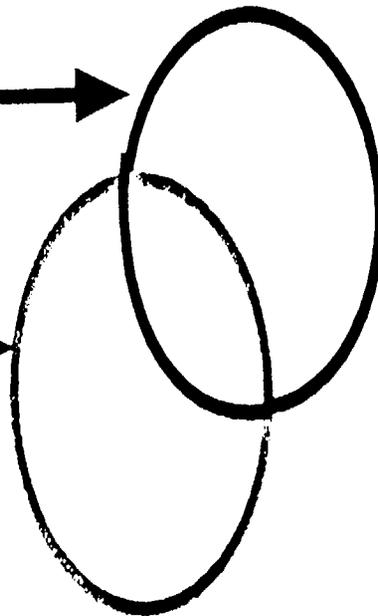
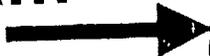
- **Baseline Inspection Program**
- **Performance Indicators**
- **Thresholds for Action**
- **Action Matrix**
- **Enforcement outcome**

ASSESSING PERFORMANCE

- Objective Indicators



- Inspection Program



Assessment - Inspection Findings

Legend: R = Red W = White T = Thresholds under development N = Not applicable
 Y = Yellow G = Green I = Insufficient data to calculate PI U = Unique design

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

Most Significant Inspection Findings

4Q/1999				No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/1999	Findings without color designation		No findings this quarter	No findings this quarter			No findings this quarter

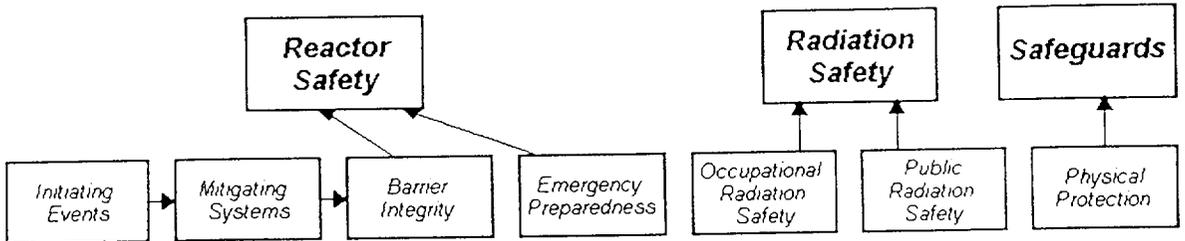
[Click here for miscellaneous findings](#)

Additional Inspection & Assessment Information

Assessment Letters:

- Mid-cycle review thru 10/1999

Assessment - Performance Indicators



Performance Indicators

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

NRC Oversight Program

Internet address

<http://www.nrc.gov/NRR/OVERSIGHT/index.html>

Continued emphasis on safety

- **Strict standards, daily monitoring will continue**
- **Clear, consistent objectives, focused on safety**
- **NRC monitoring results easier for public to understand and more readily available**



How the Public Benefits

- **More information, more often, more readily available, more understandable**
- **Predictable and consistent actions by the regulator based on plant performance**
- **Focus on most significant issues enhancing safety**

What will the public see?

- Public meetings to provide direct information and opportunity to provide input
- Performance Indicator data will be available on NRC public WEB site
- Periodic reports on NRC WEB site
- WEB ADDRESS:

– www.nrc.gov/NRR/OVERSIGHT/index.html

