

Annual Assessment Meeting

Reactor Oversight Program - 2002

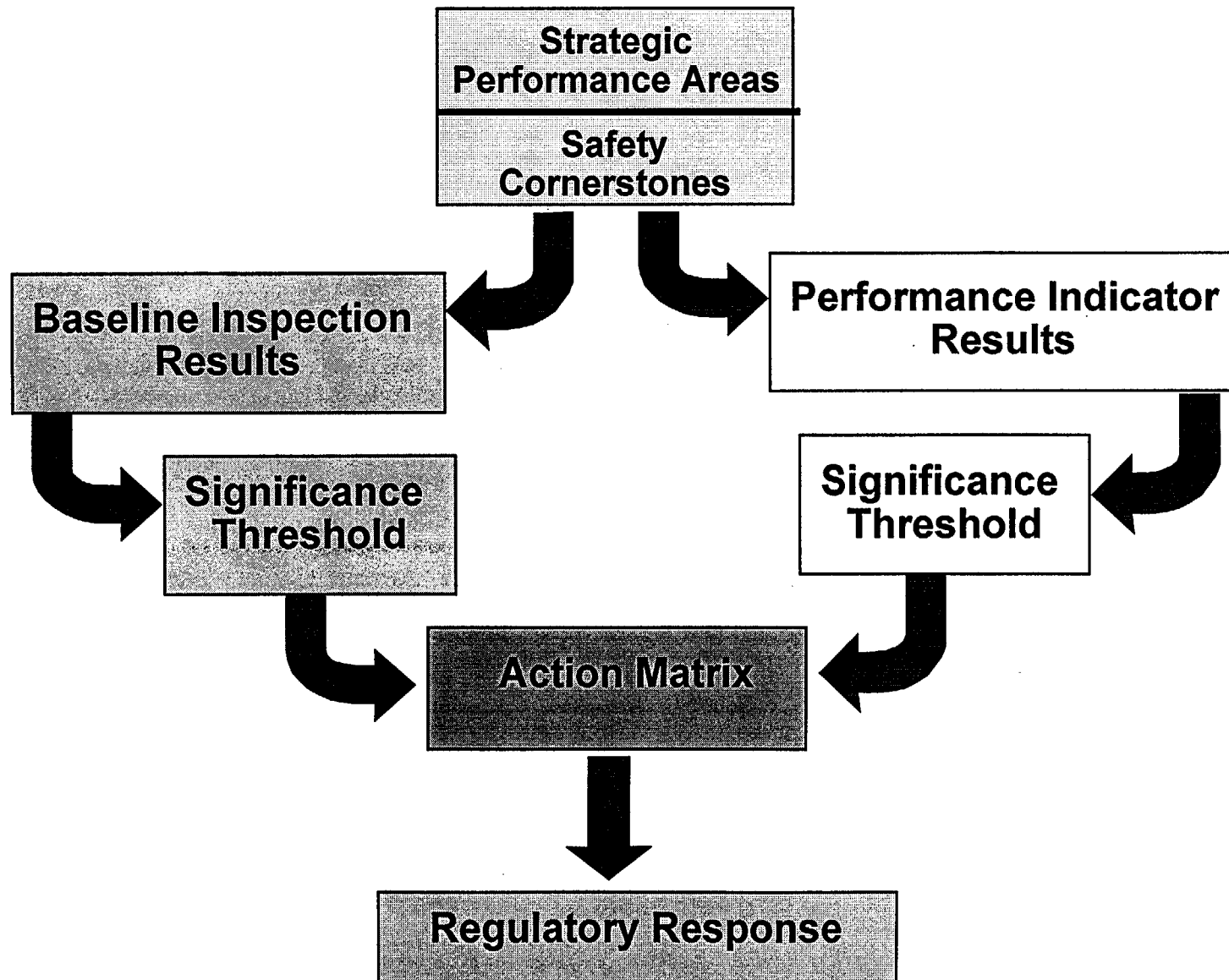


Nuclear Regulatory Commission - Region I
King of Prussia, PA

Agenda

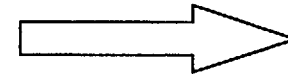
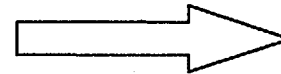
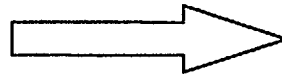
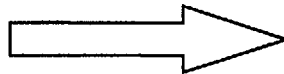
- Review of Oversight Process (ROP)
- National Summary of Plant Performance
- Hope Creek Performance Results
- Salem Performance Results
- PSEG Remarks
- NRC General Topics
- Closing Remarks/Questions

Reactor Oversight Process



Action Matrix

| Licensee Response | Regulatory Response | Degraded Cornerstone | Multiple/Rep. Degraded Cornerstone | Unacceptable Performance |
|--------------------------|----------------------------|-----------------------------|---|---------------------------------|
|--------------------------|----------------------------|-----------------------------|---|---------------------------------|



Increased Safety Significance

Increased NRC Inspection Efforts

Increased NRC/Licensee Management Involvement

Increased Regulatory Actions

National Summary for ROP in 2002

- Performance Indicator Results

- **Green** 1835
- **White** 5
- **Yellow** 0
- **Red** 0

- Total Inspection Findings

- **Green** 783
- **White** 30
- **Yellow** 1
- **Red** 2

National Summary of Plant Performance Status at End of ROP Cycle 3

| | |
|--|----|
| Licensee Response | 75 |
| Regulatory Response | 24 |
| Degraded Cornerstone | 2 |
| Multiple/Repetitive Degraded Cornerstone | 1 |
| Unacceptable | 0 |

| | |
|--------------|------|
| Total Plants | 102* |
|--------------|------|

* Davis-Besse is in IMC 0350 process

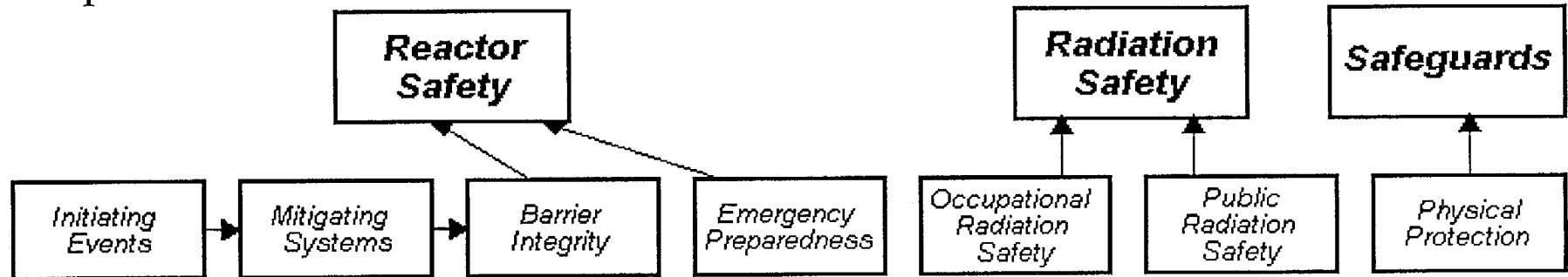
Hope Creek Assessment

(January 1 - December 31, 2002)

- Preserved Public Health and Safety
- Licensee Response Column for 2002
- Baseline Inspections in 2002
- Substantive Cross-Cutting Issue - Problem Identification and Resolution (PI&R)

Hope Creek Performance Indicators

[Http://WWW.NRC.GOV](http://WWW.NRC.GOV) then click Nuclear Reactors/Reactor Oversight Process



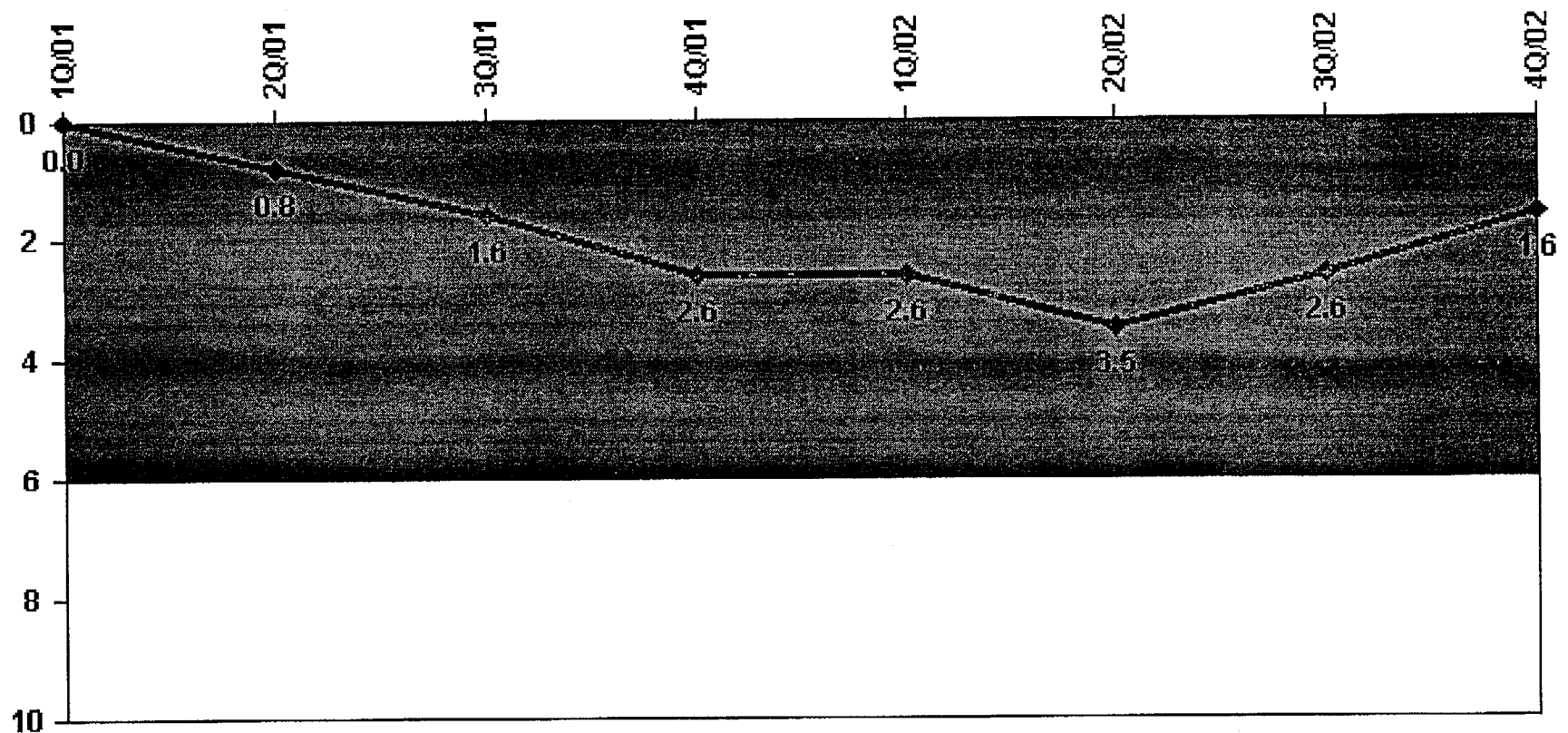
Performance Indicators

| | | | | | | |
|--|---|---|---|---|---|---|
| Unplanned Shutdowns (C) | Emergency Alert Power System Unavailability (C) | Reactor Coolant System Availability (C) | Offsite Exercise Performance (C) | Occupational Exposure Control Effectiveness (C) | RETS/EDCR Radiological Effluent (C) | Equipment and Equipment (C) |
| Startup With Loss Of Normal Heat Removal (C) | High Pressure Injection System Unavailability (C) | Reactor Coolant System Leakage (C) | EPD Drill Participation (C) | | | Personnel Screening Program (C) |
| Unplanned Power Shutdown (C) | Heat Removal System Unavailability (C) | | Alert and Notification System (C) | | | HEDE Personnel Availability Program (C) |
| | Residual Heat Removal System Unavailability (C) | | | | | |
| | Safety System Functional Failures (C) | | | | | |

Hope Creek Unplanned Power Changes

[Http://WWW.NRC.GOV](http://WWW.NRC.GOV) then click Nuclear Reactors/Reactor Oversight Process

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

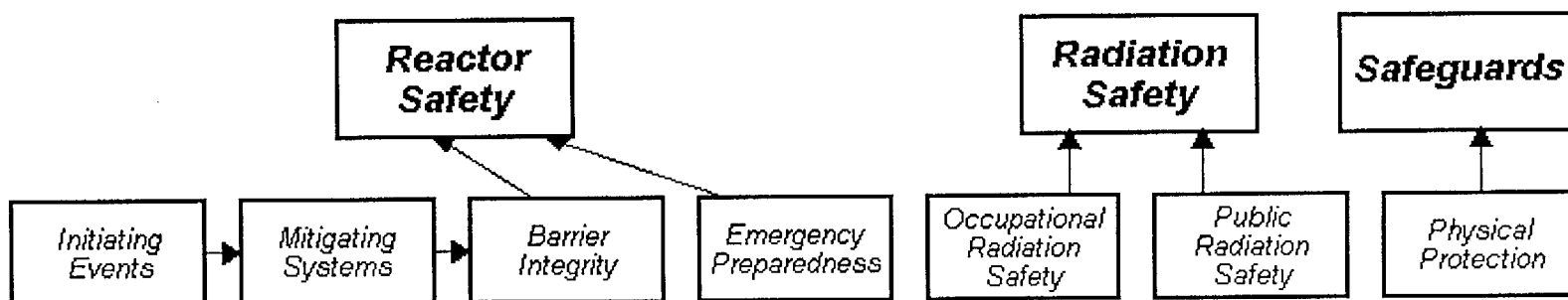
Hope Creek Inspection Program

(January 1 - December 31, 2002)

- 1654 Hours of Inspection
 - ▶ 2 Resident Inspectors
 - ▶ 9 Regional Specialist Inspections
 - ▶ 1 Team Inspection
- 19 Findings

Hope Creek - Inspection Results

[Http:\\WWW.NRC.GOV](http://WWW.NRC.GOV) then click Nuclear Reactors/Reactor Oversight Process



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 | G | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter |
| 3Q/2002 | G | G | G | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter |
| 2Q/2002 | G | G | G | No findings this quarter | G | No findings this quarter | No findings this quarter |
| 1Q/2002 | 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

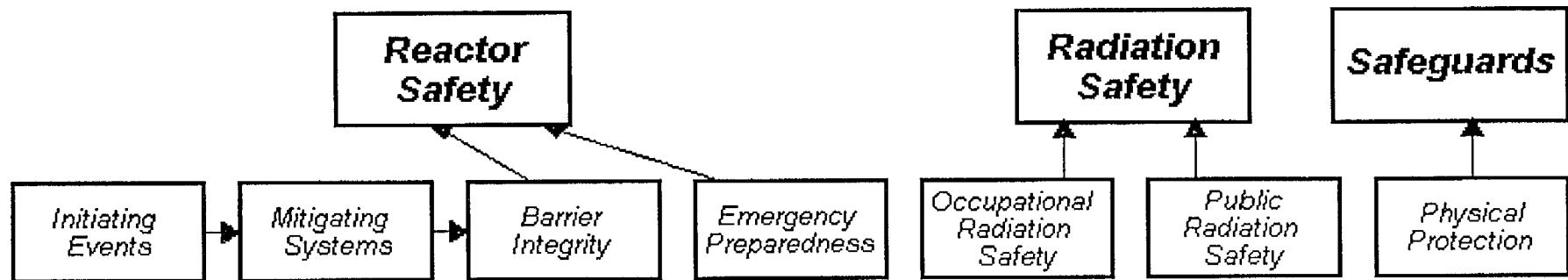
Salem Assessment

(January 1 - December 31, 2002)

- Preserved Public Health and Safety
- Licensee Response Column in end of 2002
- Salem Unit 1 - White PI in first half of 2002
- Baseline Inspections in 2003
- Substantive Cross-Cutting Issue - Problem Identification and Resolution (PI&R)
- Salem Unit 1 Finding - Emergency Diesel Generator

Salem Unit 1 Performance Indicators

[Http://WWW.NRC.GOV](http://WWW.NRC.GOV) then click Nuclear Reactors/Reactor Oversight Process



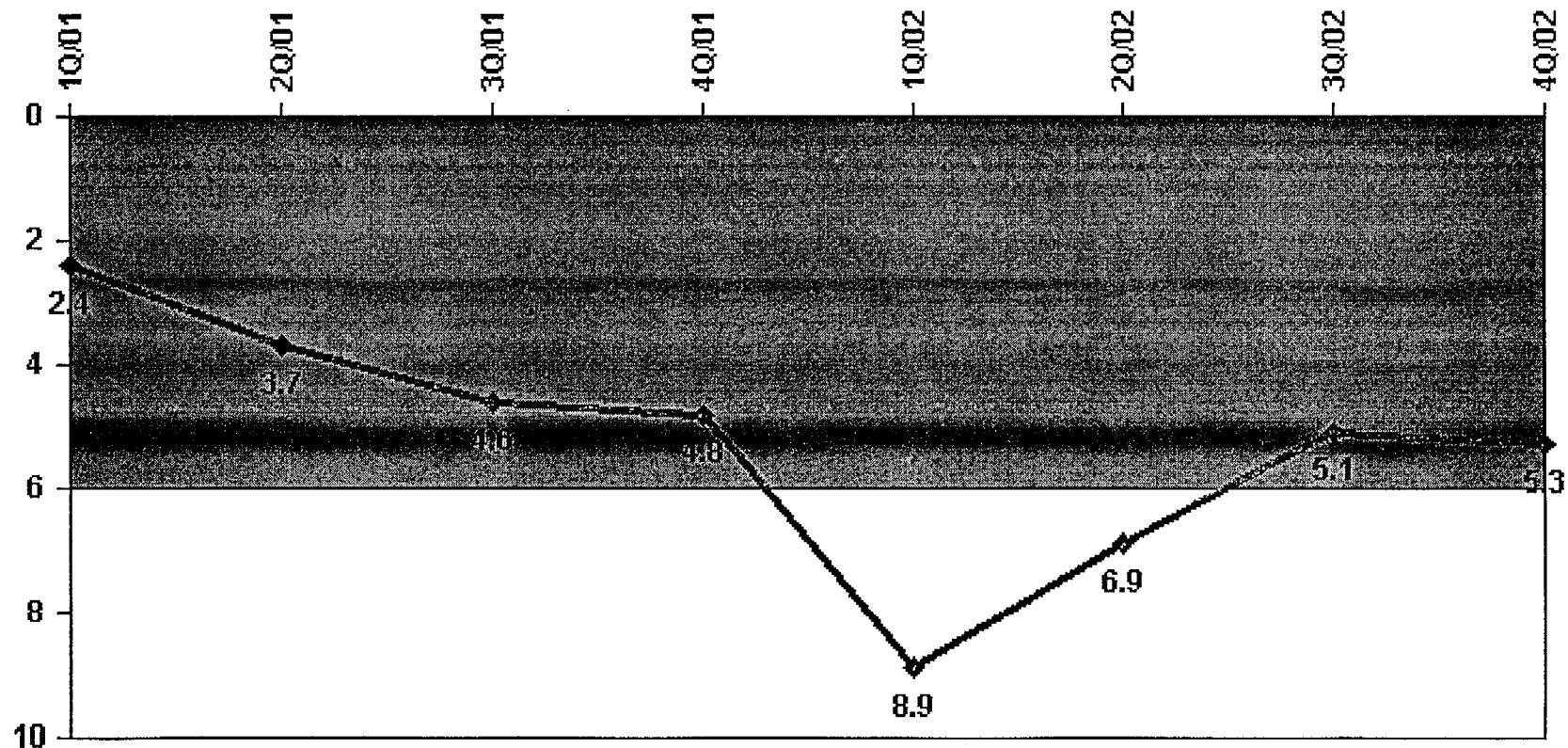
Performance Indicators

| | | | | | | |
|---|---|--|---|--|----------------------------------|---|
| Unplanned Shutdowns (G) | Emergency AC Power System Unavailability (G) | Reactor Coolant System Leaks (G) | Emergency Preparedness (G) | Occupational Exposure Control Breaches (G) | Public Radiation Exposure (G) | Physical Protection Equipment (G) |
| System With Loss of Normal Heat Removal (G) | High Pressure Injection System Unavailability (G) | Reactor Coolant System Leakage (G) | ERC Drill Participation (G) | | | Personnel Screening Program (G) |
| Unplanned Power Changes (G) | Heat Removal System Unavailability (G) | | Alert and Notification System (G) | | | Personnel Reliability Program (G) |
| | Residual Heat Removal System Unavailability (G) | | | | | |
| | Safety System Functional Failures (G) | | | | | |

Salem Unit 1 Unplanned Power Changes

[Http://WWW.NRC.GOV](http://WWW.NRC.GOV) then click Nuclear Reactors/Reactor Oversight Process

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

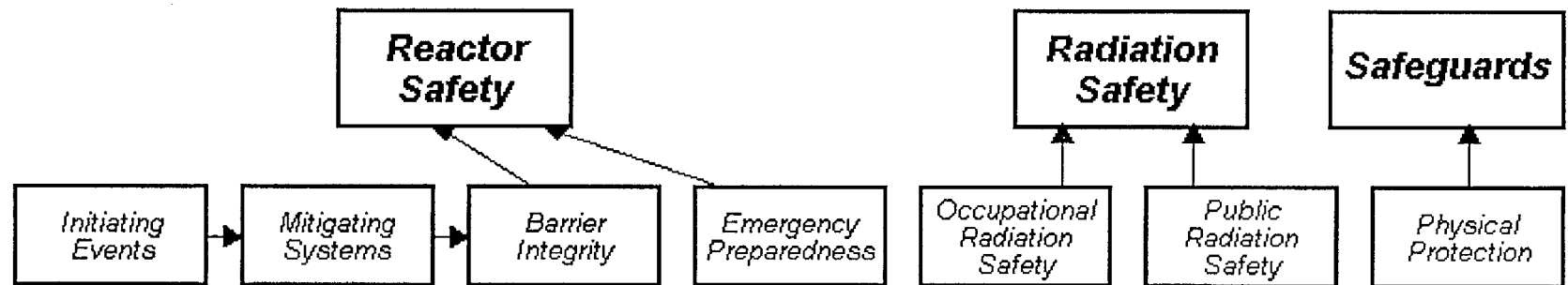
Salem Inspection Program

(January 1 - December 31, 2002)

- 2100 Hours of Inspection
 - ▶ 2 Resident Inspectors
 - ▶ 13 Regional Specialist Inspections
 - ▶ 2 Team Inspections
- 14 Findings

Salem Unit 1 - Inspection Results

[Http://WWW.NRC.GOV](http://WWW.NRC.GOV) then click Nuclear Reactors/Reactor Oversight Process



Most Significant Inspection Findings

| | | | | | | | |
|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 4Q/2002 | 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/2002 | 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/2002 | G | No findings this quarter | G | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter |
| 1Q/2002 | 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

Security Improvements

- Increased Patrols
- Augmented Security Capabilities
- Added Barriers and Posts
- Enhanced Personnel Screening Access
- Enhanced Security Awareness

NRC Agency Improvements

- Security Enhancements
- Significance Determination Process Task Group
- Performance Indicator Program
- Davis-Besse Lessons Learned Task Force

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NRC Agency Improvements

- Security Enhancements
- Significance Determination Process Task Group
- Performance Indicator Program
- Davis-Besse Lessons Learned Task Force

NRC Representatives

- A. Randolph Blough, Director, Division of Reactor Projects
 - (610) 337-5230
- Glenn Meyer, Branch Chief
 - (610) 337-5211/ gwm@nrc.gov
- Robert Fretz, Project Manager, NRR
 - (301) 415-1324
- Joseph Shoppy, Senior Resident Inspector, Hope Creek
 - Marc Ferdas, Resident Inspector, Hope Creek
 - (856) 935-3850/ jgs@nrc.gov or msf2@nrc.gov
- Daniel Orr, Senior Resident Inspector, Salem
 - Fred Bower, Resident Inspector, Salem
 - (856) 935-5151/ jdo@nrc.gov or flb@nrc.gov
- Diane Screnci, Senior Public Affairs Officer
 - (610) 337-5330

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)