# Beaver Valley
# Annual Assessment Meeting

Reactor Oversight Program - CY 2004

Nuclear Regulatory Commission - Region I
King of Prussia, PA
March 30, 2005

# Agenda

- Introductions
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- FENOC Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

# Purpose of Today's Meeting

- NRC will address licensee performance as identified in our annual assessment
- FENOC will respond to our assessment and inform the NRC of new or existing programs to maintain or improve performance
- NRC comments on security, public involvement
- NRC will respond to questions from the public after the discussion with FENOC

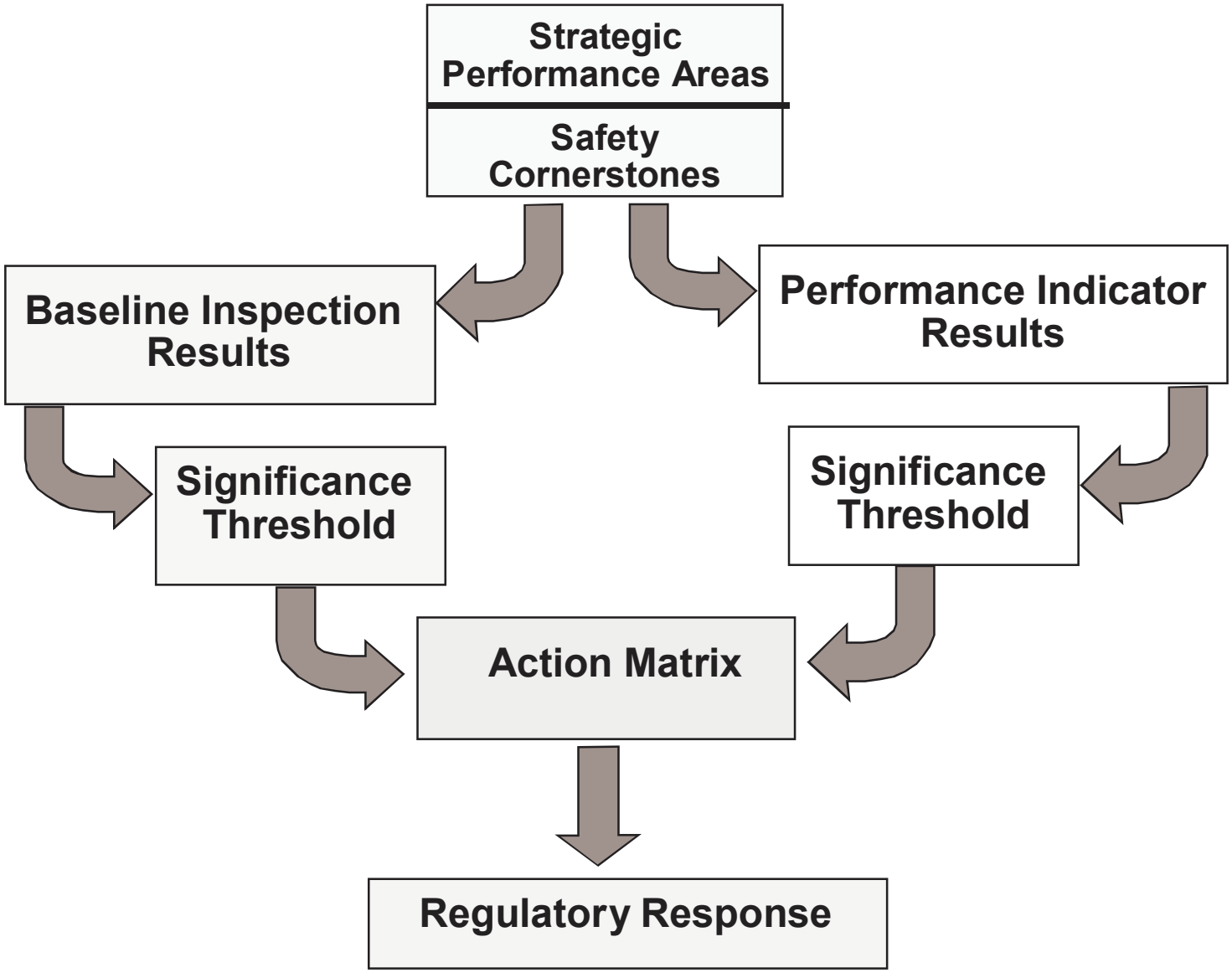
# NRC Representatives

- Arthur Burritt, Acting Branch Chief
  - (610) 337-5069
- Paul Cataldo, Senior Resident Inspector
  - (724) 643-2000
- Galen Smith, Resident Inspector
  - (724) 643-2000
- Timothy Colburn, Senior Project Manager
  - (301) 415-1402
- Ronald Bellamy, Decommissioning Branch Chief, DNMS
  - (610) 337-5200

# NRC Performance Goals

- Safety: Ensure protection of the public health and safety and the environment
- Security: Enhance the secure use and management of radioactive materials
- Openness: Ensure openness in our regulatory process
- Effectiveness: Ensure that NRC actions are effective, efficient, realistic and timely
- Management: Ensure excellence in agency management to carry out the NRC's strategic objective

# Reactor Oversight Process



# Examples of Baseline Inspections

| | |
|---|---|
| • Equipment Alignment | ~92 hrs/yr |
| • Triennial Fire Protection | ~200 hrs every 3 yrs |
| • Operator Response | ~125 hrs/yr |
| • Emergency Preparedness | ~80 hrs/yr |
| • Rad Release Controls | ~100 hrs every 2 yrs |
| • Worker Radiation Protection | ~100 hrs/yr |
| • Corrective Action Program | ~250 hrs every 2 yrs |
| • Corrective Action Case Reviews | ~60 hrs/yr |

# 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

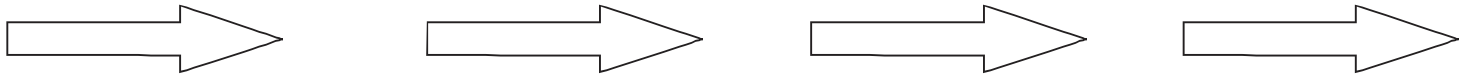
**White**: Low to moderate safety issue

**Yellow**: Substantial safety issue

**Red**: High safety issue

# Action Matrix Concept

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



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

# National Summary of Plant Performance

**Status at End of CY 2004**

| | |
|---|---|
| Licensee Response | 78 |
| Regulatory Response | 21 |
| Degraded Cornerstone | 0 |
| Multiple/Repetitive Degraded Cornerstone | 3 |
| Unacceptable | 0 |
| Total Units | 102* |

*Davis-Besse is in IMC 0350 process

# National Summary

- Performance Indicator Results (at end of CY 2004)
  - < **Green** 1834
  - < **White** 6
  - < **Yellow** 0
  - < **Red** 0

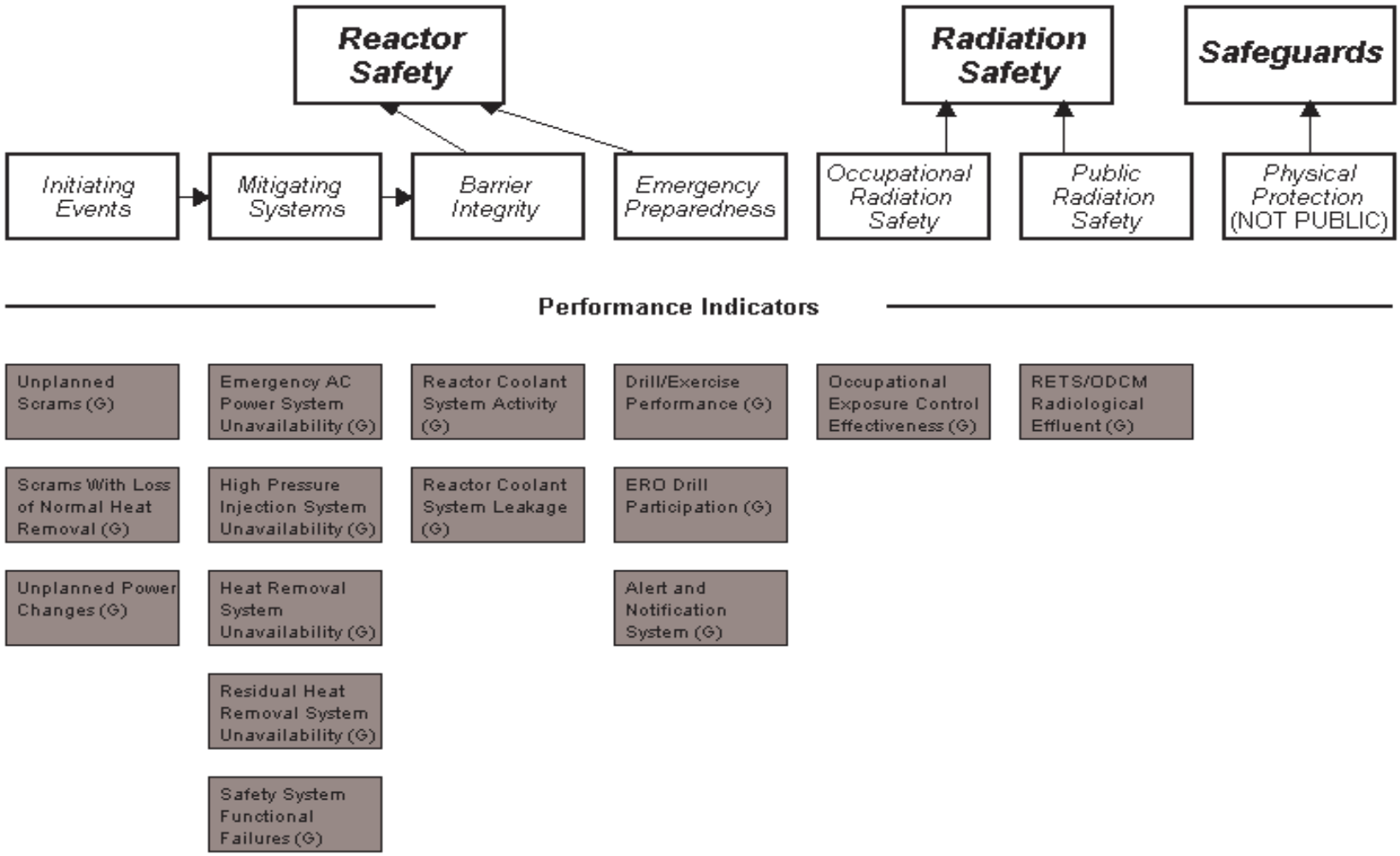
- Total Inspection Findings (CY 2004)
  - < **Green** 778
  - < **White** 11
  - < **Yellow** 0
  - < **Red** 0

# Beaver Valley Assessment Results

(Jan 1 - Dec 31, 2004)

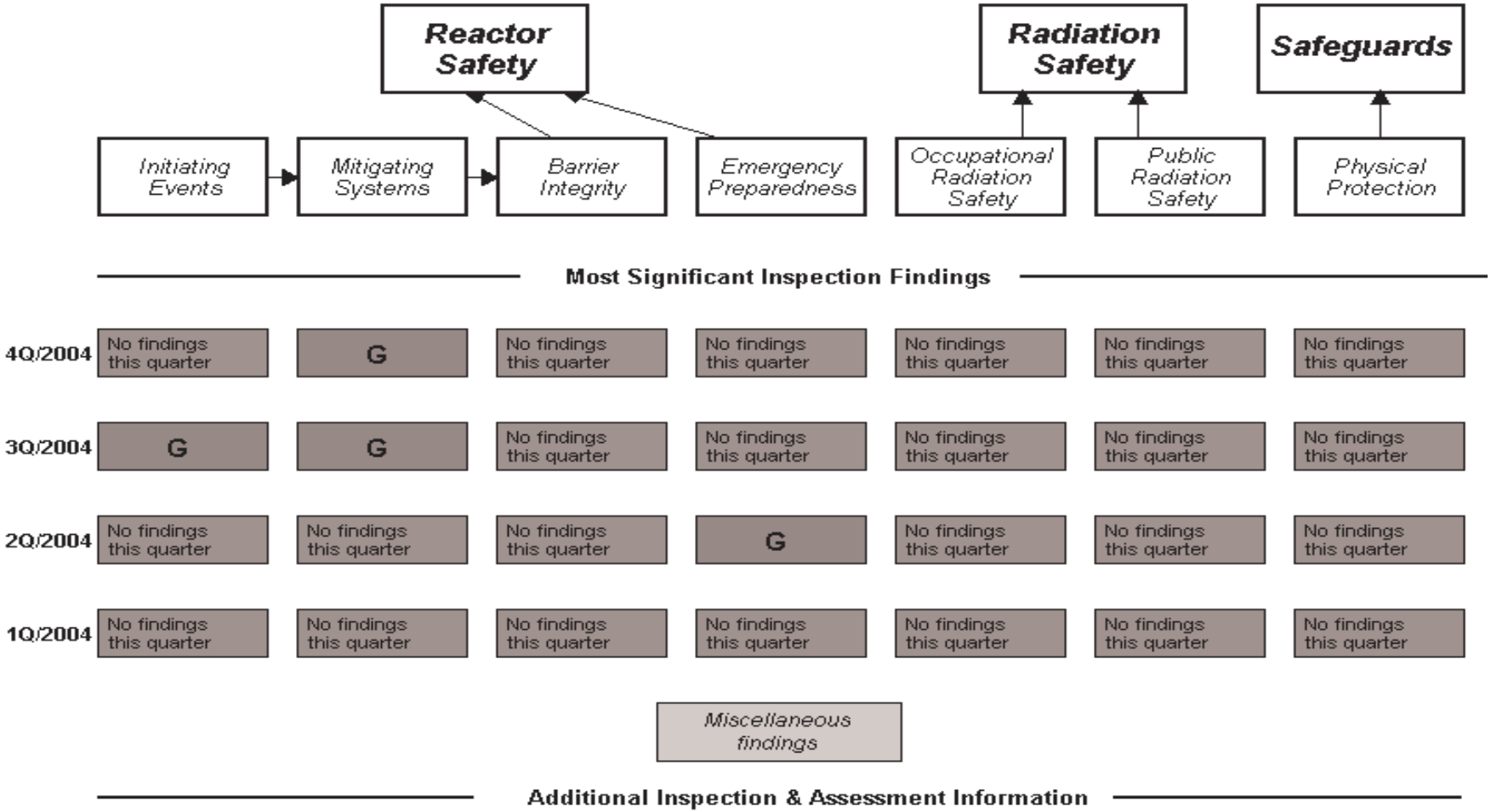
- Operated safely
- Met all cornerstone objectives
- Both units in the Licensee Response Column of the Action Matrix for all four quarters of 2004
- NRC will continue to conduct baseline inspections in 2005

# Beaver Valley Unit 1 & 2 Performance Indicators



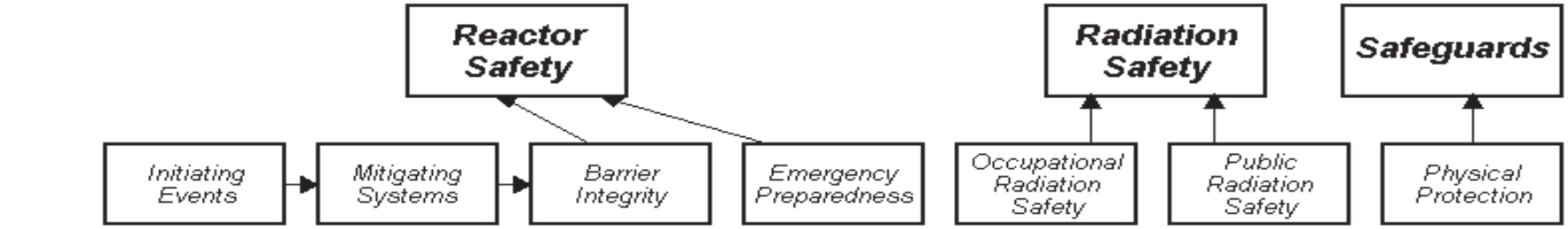
# BV Unit 1 Inspection Findings

## www.nrc.gov/NRR/OVERSIGHT/ASSESS/ then click BV1



# BV Unit 2 Inspection Findings

## www.nrc.gov/NRR/OVERSIGHT/ASSESS/ then click BV2




**Most Significant Inspection Findings**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4Q/2004 | 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/2004 | 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/2004 | No findings this quarter | No findings this quarter | No findings this quarter | G | No findings this quarter | No findings this quarter | No findings this quarter |
| 1Q/2004 | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter | No findings this quarter |

*Miscellaneous findings*

**Additional Inspection & Assessment Information**

- **Assessment Reports/Inspection Plans:**

  **4Q/2004**

- **List of Inspection Reports**
- **List of Assessment Letters/Inspection Plans**

# Beaver Valley Inspection Activities

(Jan 1 - Dec 31, 2004)

- 6,200 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 14 regional inspections
- 2 team inspections - Safety System Design Inspection and the Fire Protection Triennial Inspection
- Inspection Findings
  - < Eight findings of very low safety significance (Green)

# Beaver Valley Assessment Summary

(Jan 1 - Dec 31, 2004)

- Operated safely
- Preserved Public Health and Safety
- Highest Performance Category

# BV Planned Inspections

(Jan 1 - Dec 31, 2005)

- 12 regional inspector visits scheduled
- 1 team inspection scheduled
  - Problem Identification & Resolution

# FENOC Response and Remarks

Beaver Valley Nuclear Power Station
Units 1 & 2
First Energy Nuclear Operating Company

# NRC Security Program Update

- Access Authorization Order (January 2003)
- Training Order (April 2003)
- Fatigue Order (April 2003)

- Above 3 Orders Implemented (Oct. 29, 2004)

- Changes to Site Security plans to incorporate the requirements of the orders (April 2004)
- Expanded Force-on-Force Exercises (ongoing)
- New NRC Security Baseline Inspection Program initiated (February 2004)

# Ways for the Public To Become Informed & Involved in the Regulatory Process

Examples

- Participate in NRC Public Meetings
  < Sign up to be on our mailing list
- Visit the NRC website on a regular basis
- Publically comment on proposed licensing actions or file a Petition for Rulemaking
- 10 CFR 2.206 petition process
- Contact the NRC via E-mail, mail or phone to address questions or areas of concern
- Participate in open NRC/industry symposiums
- Freedom of Information Act (FOIA) requests

# Reference Sources

- Reactor Oversight Process
  - < http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html
- Public Electronic Reading Room
  - < http://www.nrc.gov/reading-rm.html
- Public Document Room
  - < 1-800-397-4209 (Toll Free)
- Public Comment & Involvement in Rulemaking
  - < http://ruleforum.llnl.gov/

# 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