

Annual Assessment Meeting Brunswick Steam Electric Plant



**Nuclear Regulatory Commission
April 14, 2003**

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

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

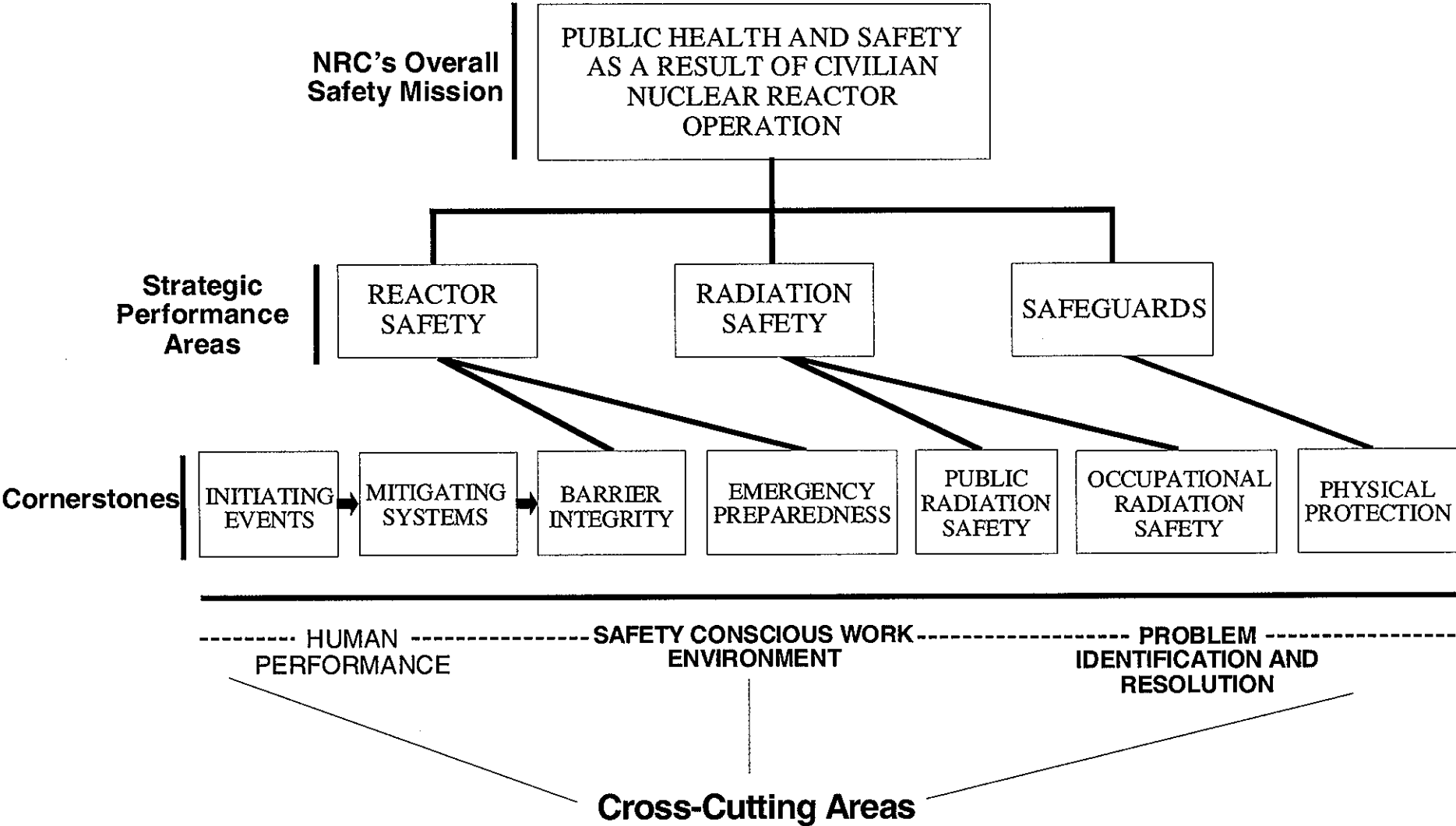
Security & Safeguards Update

- Proposed Revisions to Design Basis Threat
- Pending Orders on Fatigue/Guard Training
- Initiation of Pilot Force-on-Force Exercise Program

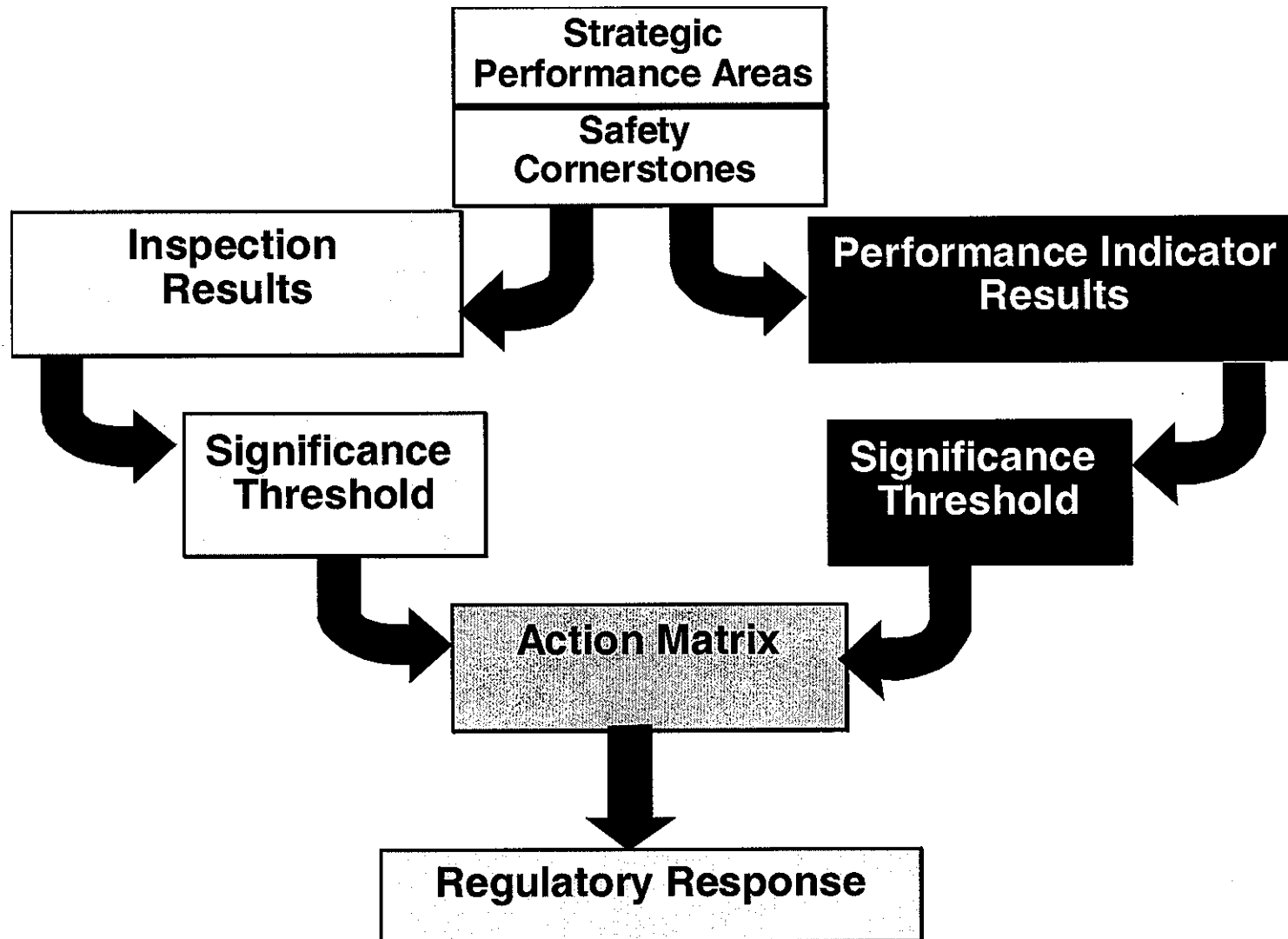
NRC Performance Goals

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

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

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.

BRUNSWICK PLANT

NRC Inspection Activities in 2002

- Security interim compensatory measures
- Baseline inspection

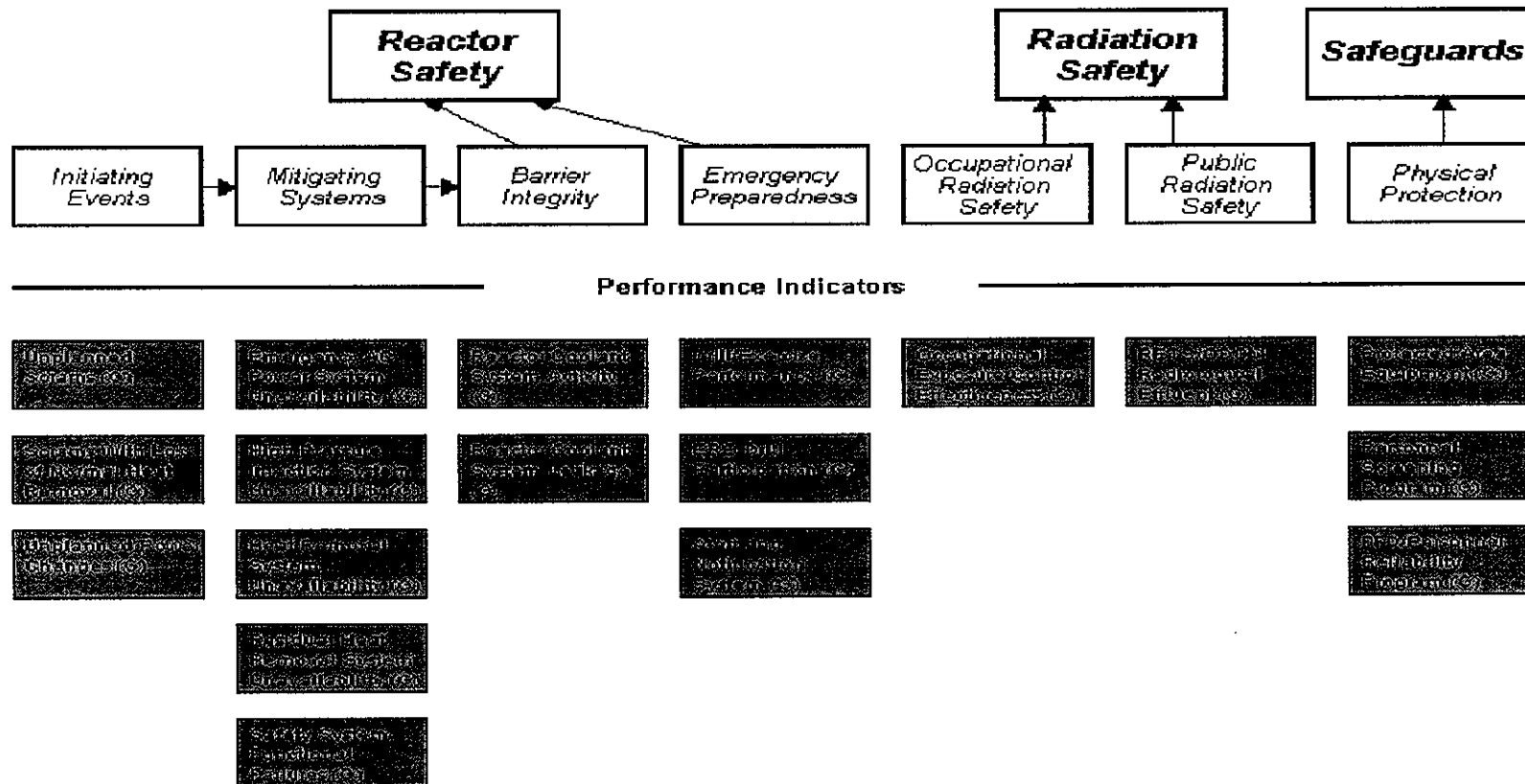
BRUNSWICK PLANT Performance Summary

- Preserved public health and safety
- All cornerstone objectives fully met
- In Licensee Response Column for all four quarters
- All Performance Indicators and Inspection Findings were Green

End-of-Year 2002 Performance Summary

Performance Indicators

Brunswick Unit 1 : Licensee Response Column



Year 2002 Performance Summary

Inspection Findings

Brunswick Unit 1 : Licensee Response Column



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

◆ Cross Reference Of Assessment Reports

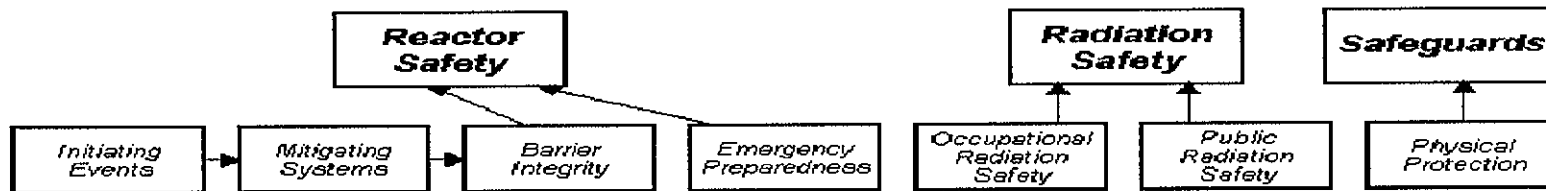
◆ List of Inspection Reports

◆ List of Assessment Letters/Inspection Plans

Year 2002 Performance Summary

Inspection Findings

Brunswick Unit 2 : Licensee Response Column



Most Significant Inspection Findings

| Quarter | Initiating Events | Mitigating Systems | Barrier Integrity | Emergency Preparedness | Occupational Radiation Safety | Public Radiation Safety | Physical Protection |
|---------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------|--------------------------|--------------------------|
| 4Q/2002 | 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 |
| 3Q/2002 | 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 |
| 2Q/2002 | 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 |
| 1Q/2002 | 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/2002

3Q/2002

2Q/2002

1Q/2002

◆ **Cross Reference Of Assessment Reports**

◆ **List of Inspection Reports**

◆ **List of Assessment Letters/Inspection Plans**

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 |

Contacts for additional information for:

Brunswick Nuclear Plant

- **Regional Public Affairs Officer:**
 - **Name: Kenneth M. Clark**
 - **Phone: 404-562-4416**
 - **E-mail: kmc2@nrc.gov**

- **State Liaison Officer:**
 - **Name: Robert E. Trojanowski**
 - **Phone: 404-562-4427**
 - **E-mail: ret@nrc.gov**

- **Branch Chief:**
 - **Name: Paul E. Fredrickson**
 - **Phone: 404-562-4530**

- **Acting Senior Resident Inspector:**
 - **Name: Kathy Weaver**
 - **Phone: 910-457-9531**

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

OFFICE OF THE REGIONAL ADMINISTRATOR

ADMINISTRATOR L. A. Reyes
DEPUTY B. S. Mallett

OFFICE OF THE ADMINISTRATOR STAFF

DIVISION OF RESOURCE MANAGEMENT AND ADMINISTRATION

DIR., G. Benoit

DIVISION OF REACTOR PROJECTS

DIR., L. R. Plisco
DEPUTY V. M. McCree

DIVISION OF REACTOR SAFETY

DIR., C. A. Casto
DEPUTY H. O. Christensen

DIVISION OF NUCLEAR MATERIALS SAFETY

DIR., D. M. Collins

Regional Organization

DIVISION OF REACTOR PROJECTS

Director
Deputy Director

L. R. Plisco
V. M. McCree

Projects Branch 1

Chief
R. C. Haag

Catawba Oconee
McGuire

Projects Branch 3

Chief
J. T. Munday

Crystal River St. Lucie
Turkey Point

Projects Branch 5

Chief
K. D. Landis

North Anna Summer
Surry

Projects Branch 2

Chief
B. R. Bonser

Farley Hatch
Vogle

Projects Branch 4

Chief
P. E. Fredrickson

Brunswick Harris
Robinson

Projects Branch 6

Chief
S. J. Cahill

Browns Ferry Sequoyah
Watts Bar