Seabrook Station
Annual Assessment Meeting

Reactor Oversight Program
Assessment 2004

Nuclear Regulatory Commission - Region 1

King of Prussia, PA

March 16, 2005

Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of Plant Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available for public questions and comments

Purpose of Today's Meeting

- A public forum for discussion of the licensee's performance
- NRC will address licensee performance as discussed in the annual assessment letter
- Licensee will respond to the information provided and inform the NRC of new or existing programs to maintain or improve their performance

NRC Representatives

- Randy Blough, Director, Division of Reactor Projects
  - (610) 337-5229
- **Paul Krohn, Branch Chief, Division of Reactor Projects**
  - **(610) 337-5120; email at: PGK1@nrc.gov**
- Glenn Dentel, Senior Resident Inspector
  - (603) 474-3589
- Steve Shaffer, Resident Inspector
  - (603) 474-3589

NRC Performance Goals

- Safety: Ensure protection of the public health and safety and the environment
- Security: Ensure 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

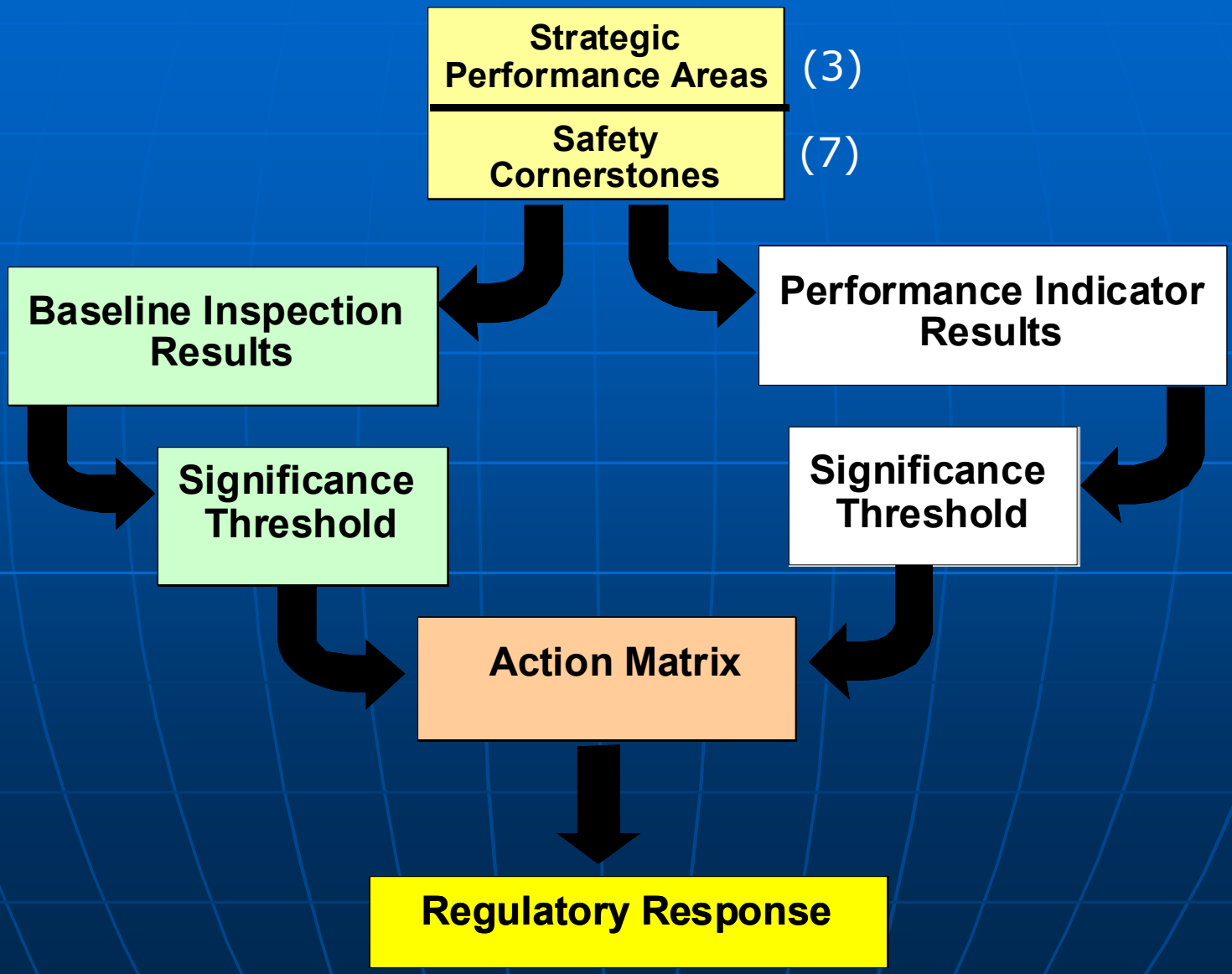
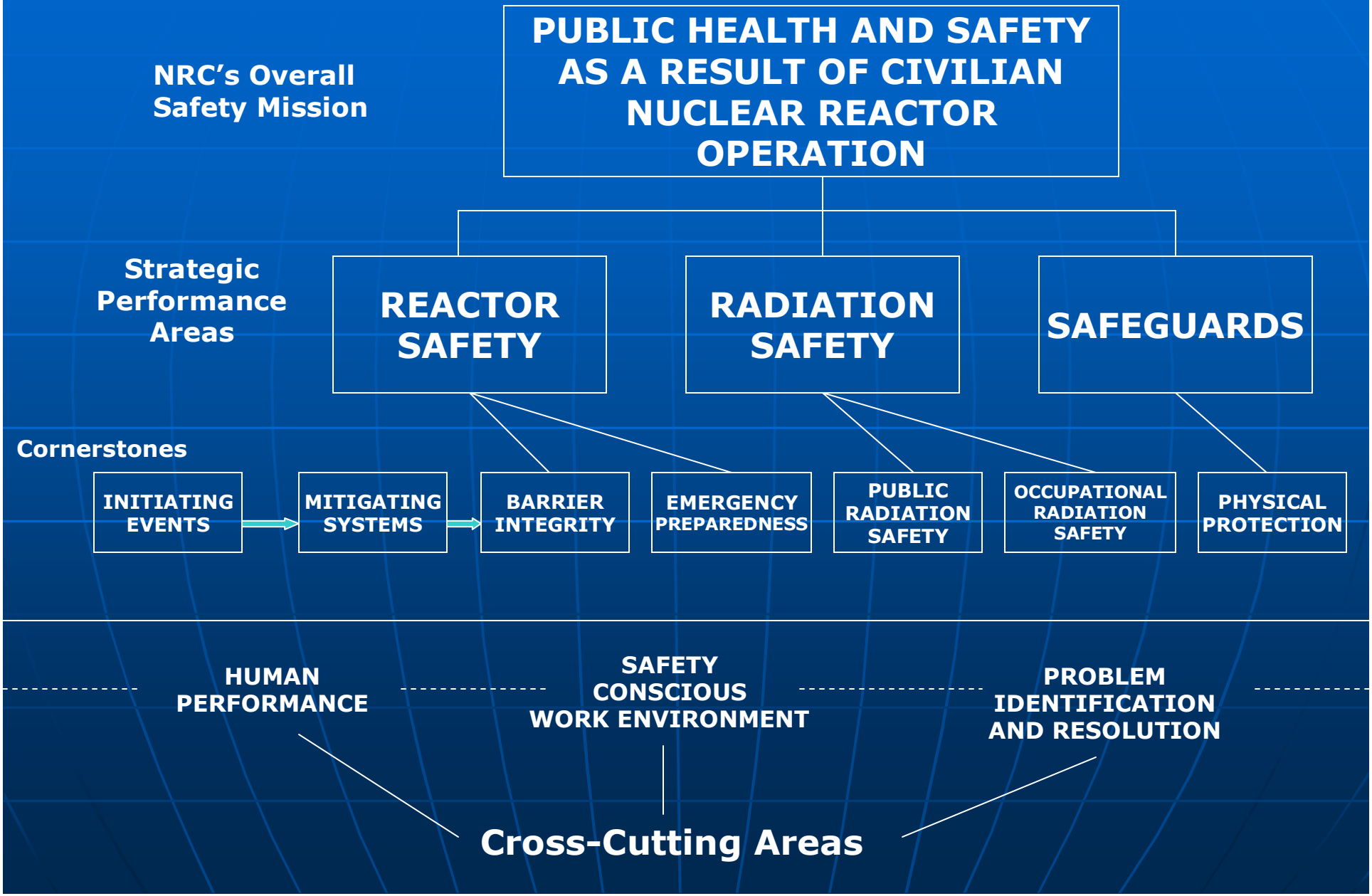


Exhibit 1: REGULATORY FRAMEWORK



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 ~200 hrs every 2 yrs
- Corrective Action Case Reviews ~60 hrs/yr
- Safety System Design ~420 hrs every 2 yrs

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 2004

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

* One plant, Davis-Besse, not included in totals, is in a separate assessment process.

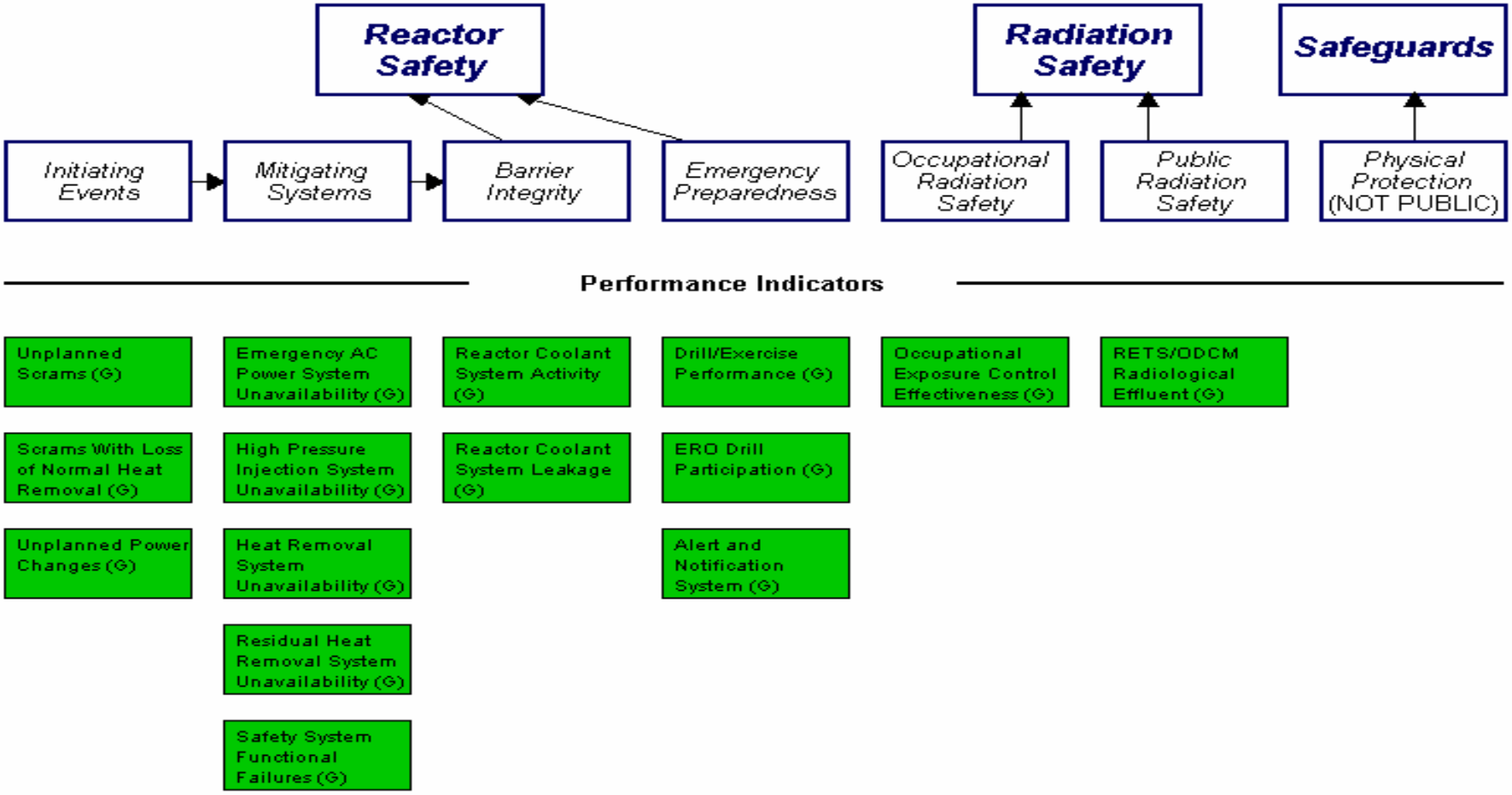
National Summary

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

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

Seabrook Performance Indicators

www.nrc.gov/NRR/OVERSIGHT/ASSESS Then click on "Seabrook 1"



Seabrook Station Inspection Activities

(Jan 1 - Dec 31, 2004)

- 5000 hours of inspection related activities
- 2 resident inspectors assigned to the site
- 5 regional inspections
- 1 pilot inspection
  - Concerning equipment performance, post-maintenance & surveillance testing
- 5 team inspections
- Inspection findings
  - 9 findings of very low safety significance (Green)

Seabrook Station Assessment Results

(Jan 1 - Dec 31, 2004)

- Operated safely. Preserved public health & safety. Fully met all cornerstone objectives.
- Licensee response column of the Action Matrix for the fourth quarter of 2004 (cornerstone objectives fully met).
- NRC will conduct baseline inspections during the next cycle.

Cross-Cutting Issues

- Looks at aspects of licensee performance that could potentially impact more than one cornerstone
- 3 areas; human performance, problem identification & resolution, and safety conscious work environment
- NRC applies a uniform set of criteria that considers:
  - Licensee progress in addressing deficiencies
  - The number of findings, the areas in which they occurred, and whether there is a common theme
  - Seabrook met some, but not all of the criteria for a cross-cutting issue in the PI&R area in 2004
- NRC continues to evaluate Seabrook's performance in addressing PI&R issues, next assessment in August 2005

Seabrook Station Inspection Activities

(Jan 1 - Dec 31, 2005)

- ROP baseline inspections
- 6 regional inspector visits scheduled
- 3 team inspections scheduled

NRC Security Program Update

- NRC has issued Orders (February 2002):
  - Increased Patrols
  - Augmented Security Capabilities
  - Added Barriers and Posts
  - Enhanced Personnel Screening for Access
  - Enhanced Security Awareness
- Office of Nuclear Security and Incident Response Formed (April 2002)
- Established Threat Advisory and Protective Measure System (August 2002)

NRC Security Program Update (continued)

- Access Authorization Order (January 2003)
- Training Order (April 2003)
- Fatigue Order (April 2003)
- Design Basis Threat (April 2003)
- Changes to Site Security plans to incorporate the requirements of the orders (April 2004)

NRC Security Program Update (continued)

- Expanded Force-on-Force Exercises
- New NRC Baseline Inspection Program initiated (February 2004)
- All Security Upgrades were required to be completed by October 29, 2004 and are currently being inspected through the baseline inspection program

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
- Paul Krohn, Branch Chief, Division of Reactor Projects
  - (610) 337-5120
  - Email at: PGK1@nrc.gov

Licensee Response and Remarks

Seabrook

Nuclear Power Plant

FPL Energy Seabrook, LLC