



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II**  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

June 29, 2012

Carolina Power and Light Company  
Mr. Michael J. Annacone  
Vice President  
Brunswick Steam Electric Plant  
P. O. Box 10429  
Southport, NC 28461

**SUBJECT: MEETING SUMMARY - CATEGORY 1 PUBLIC MEETING - ANNUAL  
ASSESSMENT OF BRUNSWICK STEAM ELECTRIC PLANT, DOCKET NOS.  
50-325, 50-324**

Dear Mr. Annacone:

This refers to the Category 1 public meeting which was held on June 21, 2012, at the Brunswick Media Center Auditorium, at 6:00 p.m. Eastern Daylight Time (EDT). The purpose of the meeting was to discuss the NRC Reactor Oversight Process Annual Assessment of your Brunswick Steam Electric Plant.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room (PDR) or from the Publicly Available Records (PARS) component of NRC's Agency wide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this meeting, please contact me at (404) 997-4603.

Sincerely,

**/RA/**

Randall A. Musser, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos.: 50-325, 50-324  
License Nos.: DPR-71, DPR-62

Enclosure: 1. List of Attendees  
2. Handout- Brunswick - Annual Assessment Meeting

cc w/encl.: See page 2

June 29, 2012

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ATTN: Mr. Michael J. Annacone  
Vice President  
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X PUBLICLY AVAILABLE      ☐ NON-PUBLICLY AVAILABLE      ☐ SENSITIVE      X NON-SENSITIVE  
ADAMS: X Yes      ACCESSION NUMBER: \_\_\_\_\_      X SUNSI REVIEW

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	JGW /RA/		RAM /RA/				
NAME	JWorosilo	JDodson	RMusser				
DATE	06/29/2012		06/29/2012				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2011\END-OF-CYCLE\INPUT\RPB4\BRUNSWICK\BRUNSWICK MEETING SUMMARY EOC 2011.DOCX

cc w/encl:  
Edward L. Wills, Jr.  
Director Site Operations  
Brunswick Steam Electric Plant  
Electronic Mail Distribution

Robert J. Duncan II  
Vice President  
Nuclear Operations  
Progress Energy  
Electronic Mail Distribution

Joseph M. Frisco, Jr  
Plant General Manager  
Brunswick Steam Electric Plant  
Progress Energy  
Electronic Mail Distribution

Annette H. Pope  
Manager, Support Services  
Brunswick Steam Electric Plant  
Progress Energy Carolinas, Inc.  
Electronic Mail Distribution

Lee Grzeck  
Supervisor - Licensing/Regulatory Programs  
(Acting)  
Brunswick Steam Electric Plant  
Progress Energy Carolinas, Inc.  
Electronic Mail Distribution

Randy C. Ivey  
Manager, Nuclear Oversight  
Brunswick Steam Electric Plant  
Progress Energy Carolinas, Inc.  
Electronic Mail Distribution

Paul E. Dubrouillet  
Manager, Training  
Brunswick Steam Electric Plant  
Electronic Mail Distribution

Kelvin Henderson  
General Manager  
Nuclear Fleet Operations  
Progress Energy  
Electronic Mail Distribution

Joseph W. Donahue  
Vice President  
Nuclear Oversight  
Progress Energy  
Electronic Mail Distribution

David T. Conley  
Senior Counsel  
Legal Department  
Progress Energy  
Electronic Mail Distribution

John H. O'Neill, Jr.  
Shaw, Pittman, Potts & Trowbridge  
2300 N. Street, NW  
Washington, DC 20037-1128

Peggy Force  
Assistant Attorney General  
State of North Carolina  
P.O. Box 629  
Raleigh, NC 27602

Chairman  
North Carolina Utilities Commission  
Electronic Mail Distribution

Robert P. Gruber  
Executive Director  
Public Staff - NCUC  
4326 Mail Service Center  
Raleigh, NC 27699-4326

Anthony Marzano  
Director  
Brunswick County Emergency Services  
Electronic Mail Distribution

Public Service Commission  
State of South Carolina  
P.O. Box 11649  
Columbia, SC 29211

cc w/encl continued next page

CP&L

3

cc w/encl continued

W. Lee Cox, III  
Section Chief  
Radiation Protection Section  
N.C. Department of Environmental  
Commerce & Natural Resources  
Electronic Mail Distribution

Warren Lee  
Emergency Management Director  
New Hanover County Department of  
Emergency Management  
230 Government Center Drive  
Suite 115  
Wilmington, NC 28403



Letter to Michael J. Annacone from Randall A. Musser dated June 29, 2012

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ASSESSMENT OF BRUNSWICK STEAM ELECTRIC PLANT, DOCKET NOS.  
50-325, 50-324

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

R. Pascarelli, NRR

RidsNrrPMBrunswick Resource



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE NE SUITE 1200  
ATLANTA, GEORGIA 30303-1257

Brunswick Annual Assessment Public Meeting  
Southport, NC  
June 21, 2012

	<u>Name (Print)</u>	<u>Title and Organization</u>
1.	Mark Schwieg	Brunswick Resident
2.	RANDY MUSSEN	Inspector NRC, RII, CHIEF RX BR 4
3.	Michelle Catlett	NRC / RII
4.	Phil O'Bryan	NRC, Senior Resident Insp.
5.	Mark Gillan	Areva, Alliance Director.
6.	Rachel Lewis Hilburn WHAR	News Div. →
7.	Ryan Maslin	PGW
8.	Christian Scott	NRC
9.	ROBERT HANNAM	NRC
10.	Carlos Melgarejo	News 14
11.	Lee Grzeck	Lic. Supv. Progress En.
12.	Joe Frisio	PGW
13.	Mike Annarone	SVP - PGW
14.	ED WILLS	PGW
15.	Allen Brittain	PGW
16.	Beth Hitzhuk	NRC
17.	Tom Sherrill	PGW
18.	Lynette Pope	TEN

**Brunswick Annual Assessment Public Meeting**  
Southport, NC  
June 21, 2012

Enclosure 1

# Brunswick Annual Assessment Meeting

2011 Reactor Oversight Process  
Nuclear Regulatory Commission – Region II





# Agenda

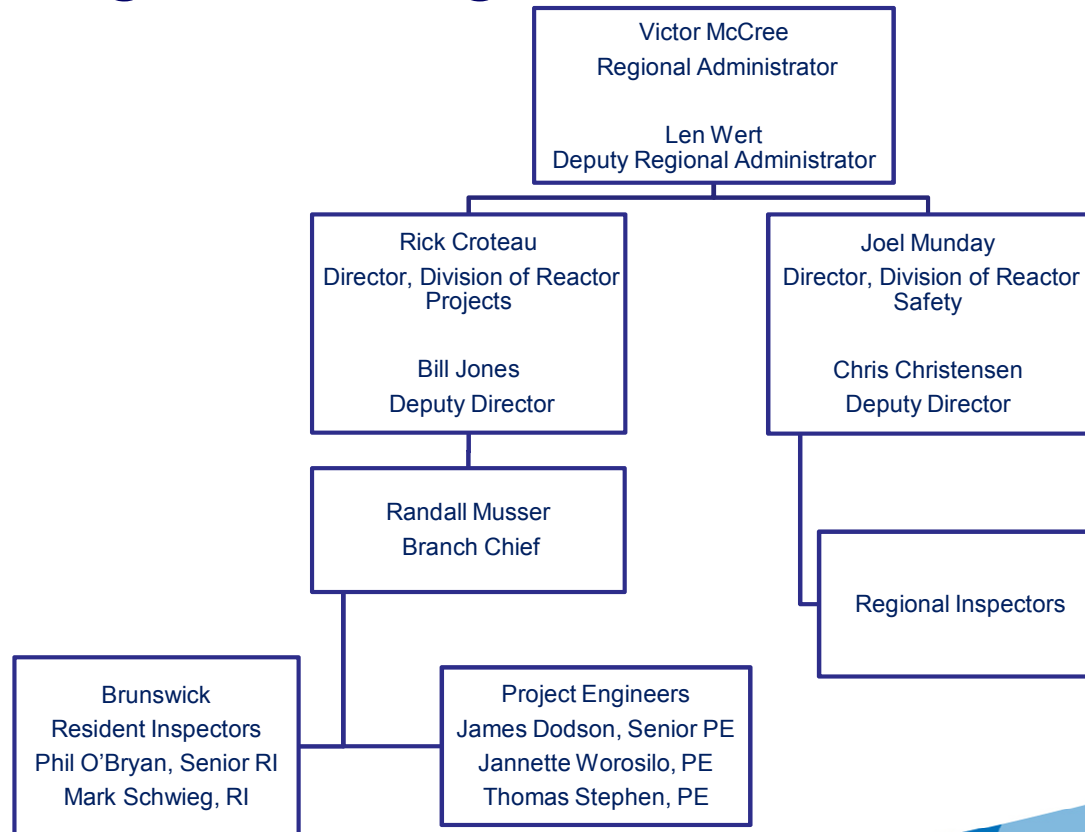
- Introduction
- Reactor Oversight Process
- Industry Performance
- Brunswick Performance Results
- Progress Energy Response and Remarks
- NRC Closing Remarks
- Public Questions to NRC



## Meeting's Purpose

- Public forum for discussion of Brunswick's performance in 2011
- NRC will address the performance issues identified in the annual assessment
- Progress Energy will be given the opportunity to respond and inform the NRC of new or existing programs to maintain or improve performance

# Region II Organization



# What We Do



Safety



Security



Environment

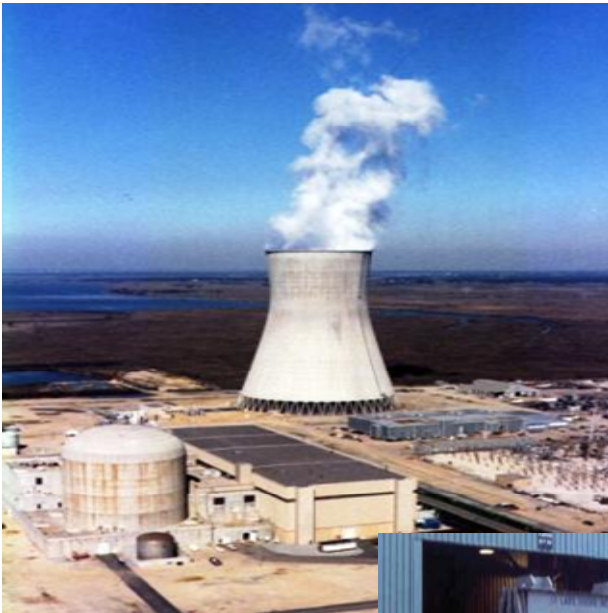




# What We Regulate



## Reactors



## Materials



## Waste



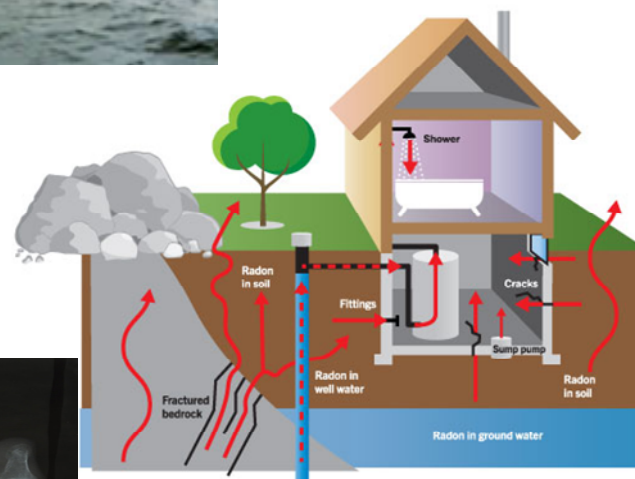
# What We Don't Regulate



Military



Radon



X-Rays



# Assurance of Plant Safety



## Continuous Training

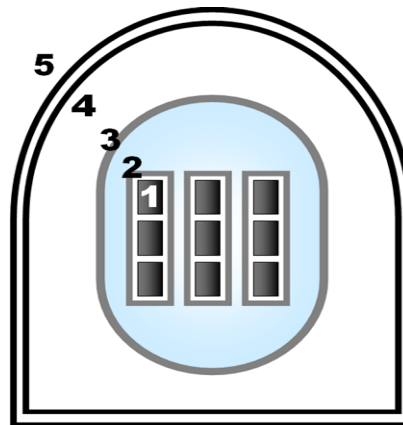


## Defense In-Depth



## Long-Term Maintenance

## Regulation Compliance





# Regulatory Principles



**U.S.NRC**  
United States Nuclear Regulatory Commission  
*Protecting People and the Environment*

## Principles of Good Regulation

*The NRC adheres to the following Principles of Good Regulation*

**Independence:** Nothing but the highest possible standards of ethical performance and professionalism should influence regulation. However, independence does not imply isolation. All available facts and opinions must be sought openly from licensees and other interested members of the public. The many and possibly conflicting public interests involved must be considered. Final decisions must be based on objective, unbiased assessments of all information, and must be documented with reasons explicitly stated.

**Openness:** Nuclear regulation is the public's business, and it must be transacted publicly and candidly. The public must be informed about and have the opportunity to participate in the regulatory processes as required by law. Open channels of communication must be maintained with Congress, other government agencies, licensees, and the public, as well as with the international nuclear community.

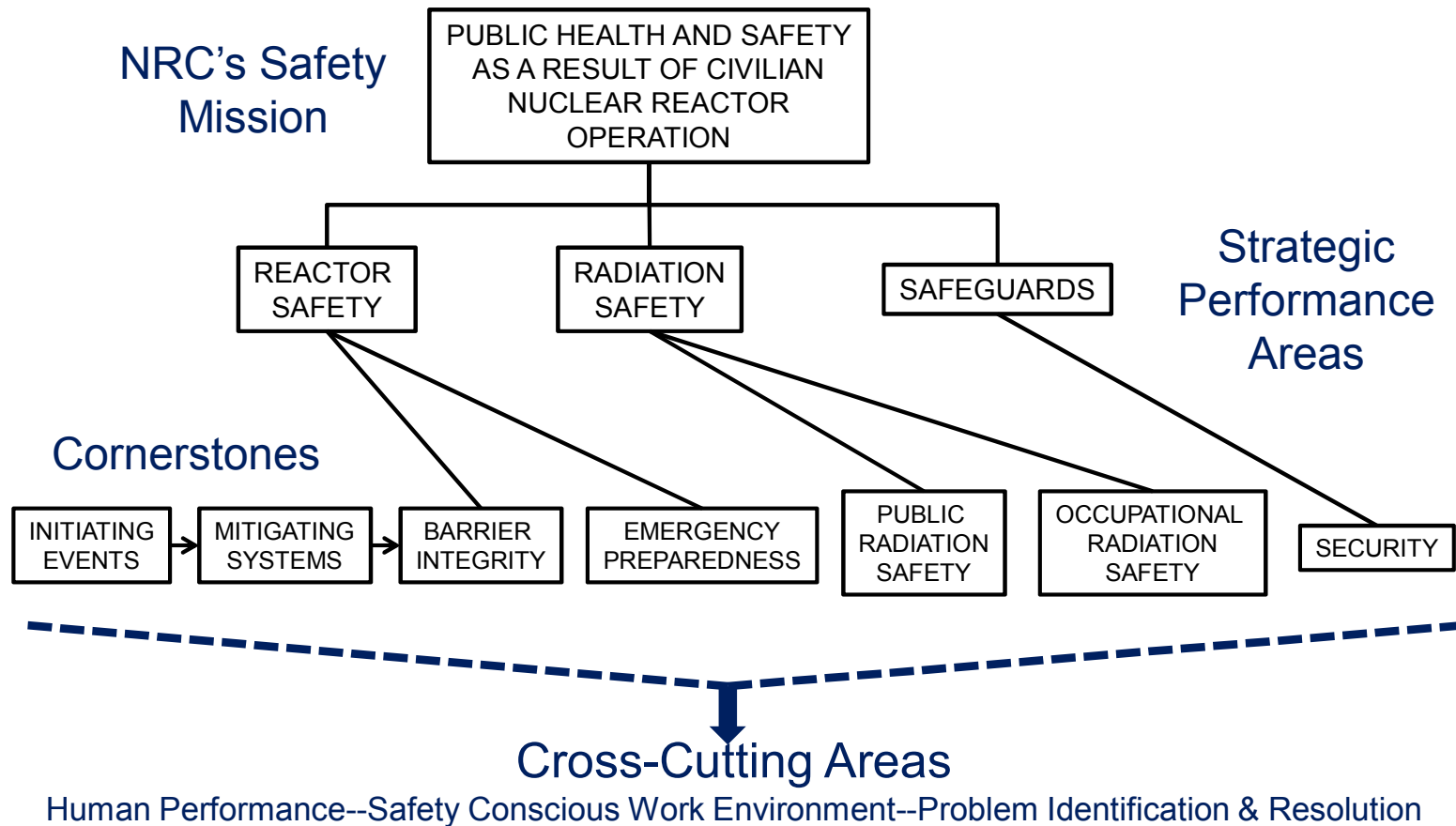
**Efficiency:** The American taxpayer, the rate-paying consumer, and licensees are all entitled to the best possible management and administration of regulatory activities. The highest technical and managerial competence is required, and must be a constant agency goal. NRC must establish means to evaluate and continually upgrade its regulatory capabilities. Regulatory activities should be consistent with the degree of risk reduction they achieve. Where several effective alternatives are available, the option which minimizes the use of resources should be adopted. Regulatory decisions should be made without undue delay.

**Clarity:** Regulations should be coherent, logical, and practical. There should be a clear nexus between regulations and agency goals and objectives whether explicitly or implicitly stated. Agency positions should be readily understood and easily applied.

**Reliability:** Regulations should be based on the best available knowledge from research and operational experience. Systems interactions, technological uncertainties, and the diversity of licensees and regulatory activities must all be taken into account so that risks are maintained at an acceptably low level. Once established, regulation should be perceived to be reliable and not unjustifiably in a state of transition. Regulatory actions should always be fully consistent with written regulations and should be promptly, fairly, and decisively administered so as to lend stability to the nuclear operational and planning processes.

Independence  
Openness  
Efficiency  
Clarity  
Reliability

# Regulatory Framework





# Performance Indicators

- 17 Performance Indicators
- PI's for each cornerstone
- Licensee submits data to NRC quarterly
- Inspection program verifies accuracy
- Data available on NRC website

# Significance Threshold



## Performance Indicators



Increasing Safety Significance

## Inspection Findings



Increasing Safety Significance

# Action Matrix Columns



Licensee Response	Regulatory Response	Degraded	Multiple/Repetitive Degraded	Unacceptable Performance
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## Increasing

- Safety Significance
- Inspection
- Management Involvement
- Regulatory Action

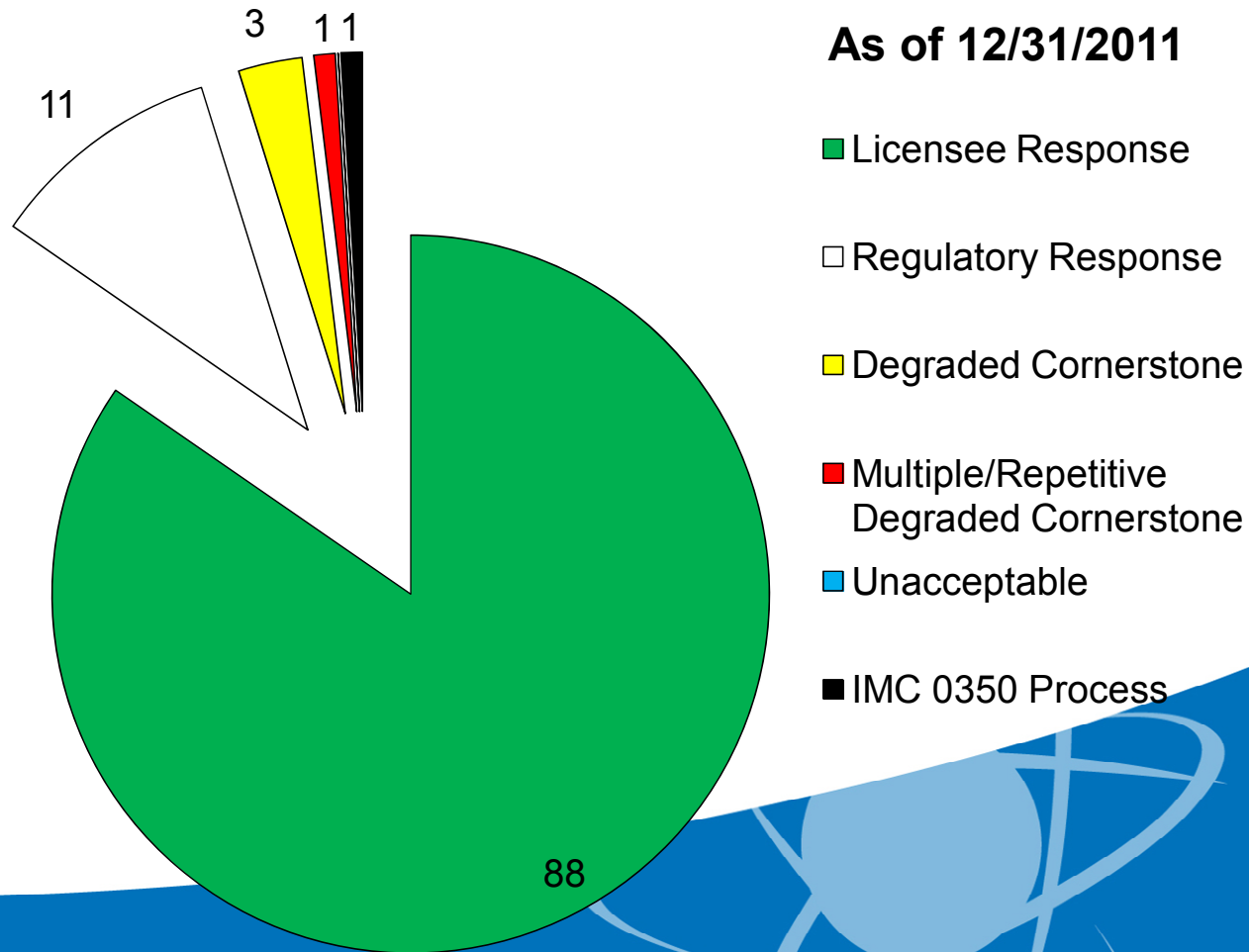




# Industry-Wide Performance



**As of 12/31/2011**

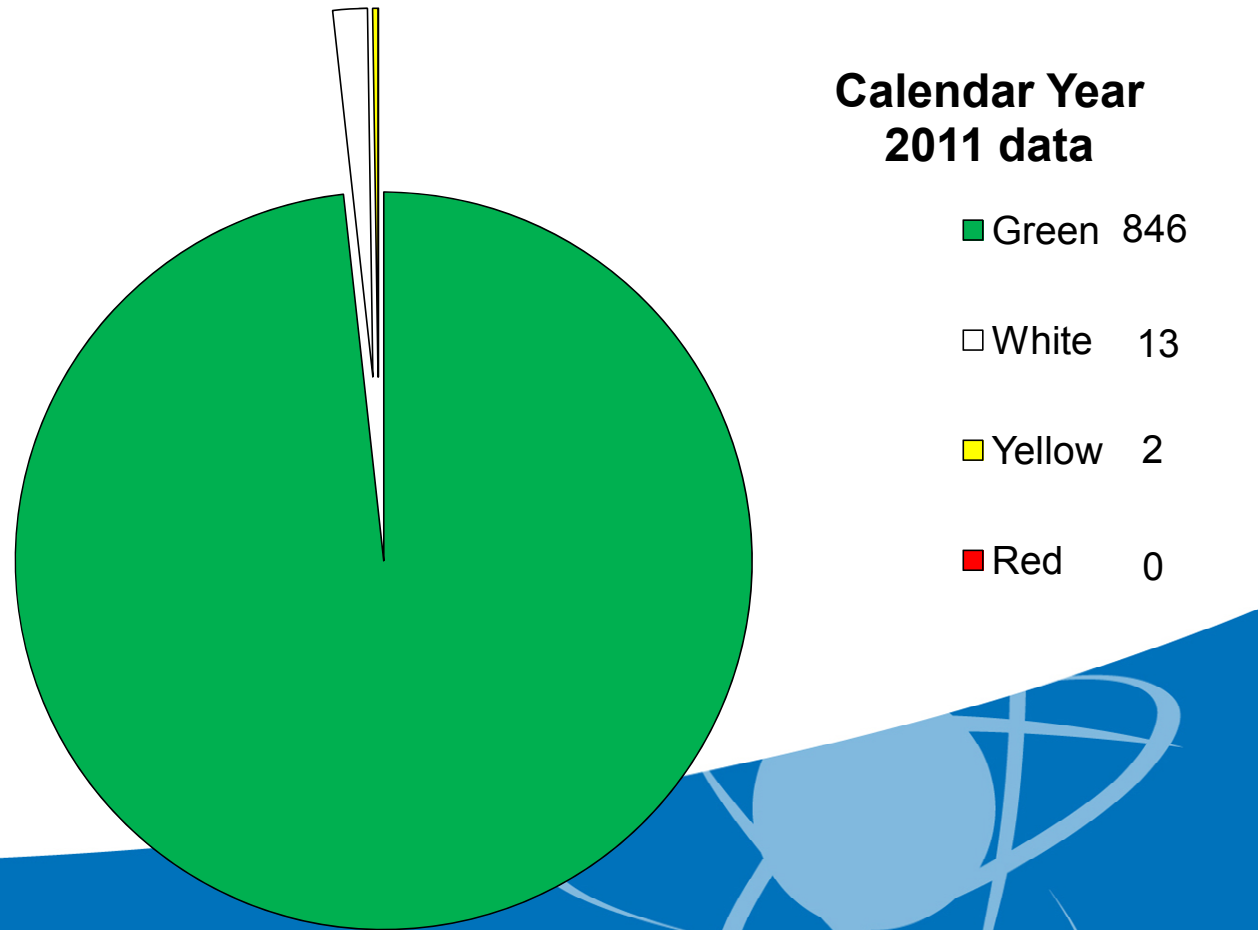


# Industry-Wide Inspection Findings

Finding data current as of 2/24/2012 and does not include security findings



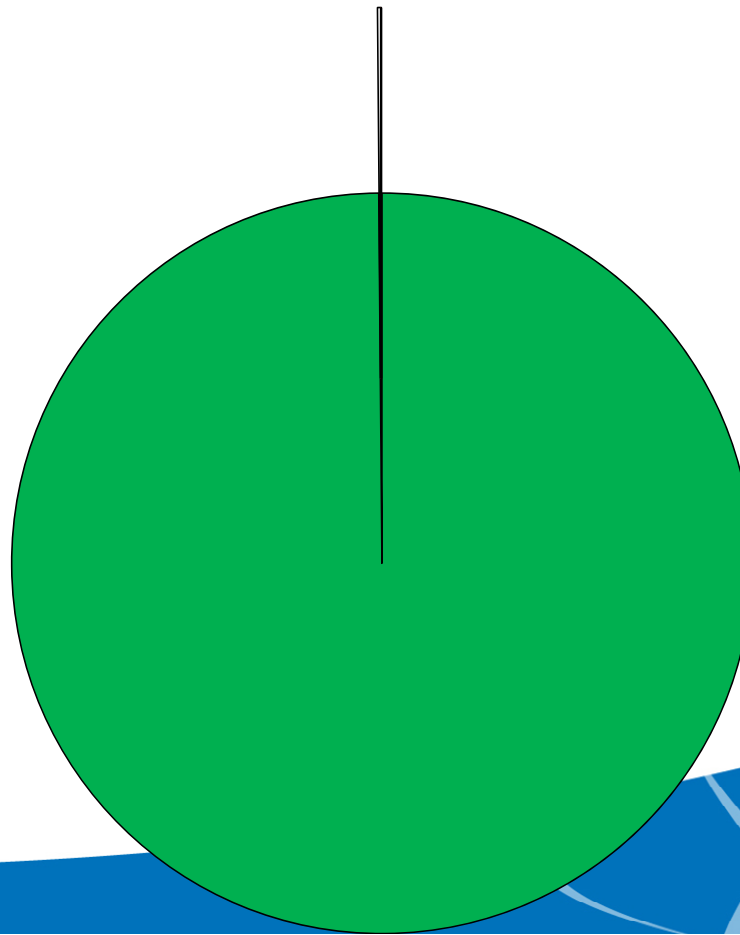
## Calendar Year 2011 data



## Industry-Wide Performance Indicators



**Calendar Year**  
**2011 data**



■ Green 6585

□ White 9

■ Yellow 0

■ Red 0

# NRC Annual Assessment Summary

## Brunswick



- Progress Energy operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Brunswick was in the Regulatory Response Column of the NRCs ROP Action Matrix for the last quarter of 2011.



# NRC Annual Assessment Summary

## Brunswick



	1 <sup>st</sup> Qtr 2011	2 <sup>nd</sup> Qtr 2011	3 <sup>rd</sup> Qtr 2011	4 <sup>th</sup> Qtr 2011
Action Matrix Column	Regulatory Response Column	Regulatory Response Column	Licensee Response Column	Regulatory Response Column
Basis	<u>Emergency Preparedness</u>  White Finding – Untimely Augmentation of on- shift staffing during an Alert (2010)	<u>Emergency Preparedness</u>  White Finding – Untimely Augmentation of on- shift staffing during an Alert (2010)	All Green Performance Indicators and Inspection Findings	<u>Mitigating Systems</u>  White Finding – EDG fuel oil transfer pumps enclosure

# NRC Annual Assessment Summary

## Brunswick



- All cornerstone objectives were met with one White finding identified (Mitigating Systems cornerstone 4<sup>th</sup> quarter 2011).
- NRC plans baseline inspections at Brunswick for 2012. In addition, NRC plans to conduct a IP 95001 inspection for the white finding.



# NRC Inspection Activities Brunswick for 2011



- 2,827 hours of baseline, supplemental and plant status inspection activities
- 2 resident inspectors on site – residents conduct routine inspections each quarter documented in a quarterly report and walk through the plant every day
- 7 regional inspections
- 3 major team inspections
  - Problem Identification and Resolution (PI&R) inspection
  - 50.59 Mods Inspection
  - Triennial Fire Protection inspection
- 1 Supplemental Inspection
  - 95001 supplemental inspection for 2010 White finding in the Emergency Preparedness cornerstone
- 1 Reactive Inspection
  - Reactor Pressure Vessel Head Reassembly Event



## Brunswick PIs and Findings

January 1 through December 31, 2011

- All Green Performance Indicators
- 9 Green / Severity Level IV inspection findings
- 1 White inspection finding.







# Progress Energy Response and Remarks

Mr. Michael Annacone  
Site Vice President  
Brunswick Steam Electric Plant



## Actions in Response to the Japan Nuclear Accident



- Actions in response to Japan Nuclear Accident  
Website: <http://www.nrc.gov/japan/japan-info.html>
- Mailbox for comments on staff actions:  
[JLD\\_Public.Resource@nrc.gov](mailto:JLD_Public.Resource@nrc.gov)
- Office of Public Affairs Point of Contact:  
[OPA.resource@nrc.gov](mailto:OPA.resource@nrc.gov) or 301-415-8200



## 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](http://www.nrc.gov)
- Contact Brunswick Resident Inspectors
  - 910-457-9531

# End of Presentation

**Nuclear Regulatory Commission  
Region II  
Southport, NC**

**June 21, 2012**

