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

April 29, 2013

Mr. Joseph Shea
Manager, Nuclear Licensing
Tennessee Valley Authority
3R Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: PUBLIC MEETING SUMMARY – WATTS BAR NUCLEAR STATION – DOCKET NO. 50-390

Dear Mr. Shea:

This refers to the meeting conducted on April 16, 2013, at the Comfort Inn Hotel in Athens, TN. The purpose of this meeting was to discuss the NRC's Reactor Oversight Process (ROP) and the NRC's annual assessment of plant safety performance for the period of January 1, 2012, to December 31, 2012. The major topics addressed were the NRC's assessment program and the results of the assessment. The slides presented during the meeting are enclosed.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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 document 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) 997-4521.

Sincerely,

/RA/

Scott M.Shaeffer, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket No.: 50-390
License No.: NPF-90

Enclosures: 1. List of Attendees
2. 2012 EOC WB1 Public Presentation

cc w/encls: (See page 2)

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☐ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☐ NON-SENSITIVE

ADAMS: ☐ Yes ACCESSION NUMBER:_____ ☐ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	CDJ:/RA/	SMS:/RA/					
NAME	CJones	SShaeffer					
DATE	4/ /2013	4/ /2013	4/ /2013	4/ /2013	4/ /2013	4/ /2013	4/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRPII\RPB6\WATTS BAR\MEETINGS\WATTS BAR 2012 EOC MEETING SUMMARY DRAFT.DOCX

cc: w/encls:
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Watts Bar Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

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Plant Manager
Watts Bar Nuclear Plant
Tennessee Valley Authority
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Watts Bar Nuclear Plant
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Terry E. Cribbe
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County Executive
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Conservation
Division of Radiological Health
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Nashville, TN 37243

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, TN 37381-2000

Ann Harris
341 Swing Loop
Rockwood, TN 37854

Letter to Joseph W. Shea from Scott Shaeffer dated April 29, 2013

SUBJECT: WATTS BAR NUCLEAR PLANT - NRC INTEGRATED INSPECTION REPORT 05000390/2013

DISTRIBUTION: w/encls.
C. Evans, RII EICS
L. Douglas, RII EICS
OE Mail
RIDSNRRDIRS
PUBLIC
RidsNrrPMWattsBar1 Resource
RidsNrrPMWattsBar2 Resource

SIGN-IN SHEET

WATTS BAR ANNUAL ASSESSMENT MEETING

Date: 4/16/2013 **Location: Comfort Inn, Athens TN.**

Name	Company
Dave Lochbaum	VCS
R. E. Lochbaum	Public
Ray King	Public
Jim Callen	Public
Mary Anne Koltowich	Roane County Environmental Review Board (RCERB)
Jessica Monroe	TVA
Kay Whittenburg	TVA
Donna Guinn	TVA
L. Bryan Belvin	TVA
Jim O'Dell	TVA
Gordon Arent	TVA
Pete Johnson	Public
Tim Cleary	TVA

Enclosure 1

Watts Bar Nuclear Plant
Annual Assessment Meeting

2012 Reactor Oversight Process

Nuclear Regulatory Commission – Region II

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

Enclosure 2

Agenda

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

- Introduction
- Reactor Oversight Process
- Industry Performance
- Watts Bar 1 Performance Results
- Tennessee Valley Authority Response and Remarks
- NRC Closing Remarks
- Public Questions to NRC

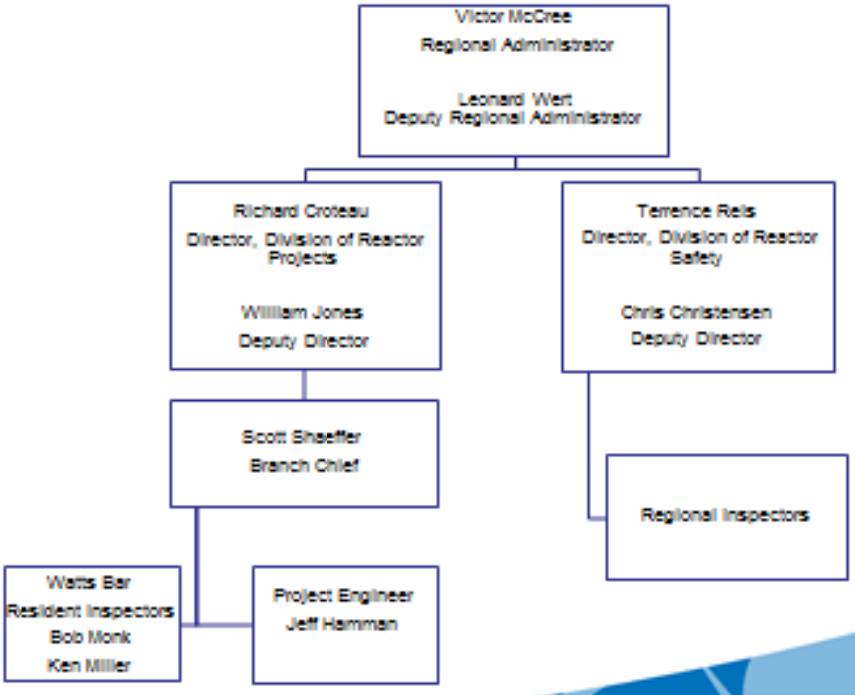
Meeting's Purpose

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

- Public forum for discussion of TVA's performance in 2012
- TVA will be given the opportunity to respond and inform the NRC of new or existing programs to maintain or improve performance

Region II Organization

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



What We Do

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

What We Regulate

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

Reactors

Materials

Waste

What We Don't Regulate

U.S.NRC
United States Nuclear Regulatory Commission
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Military

Radon

X-Rays

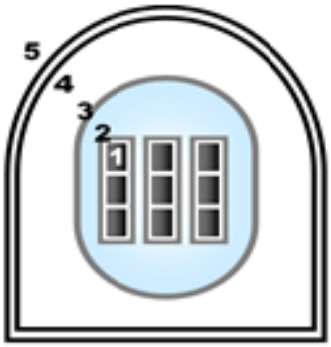
Assurance of Plant Safety

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

Continuous Training

Long-Term Maintenance

Regulation Compliance



Defense In-Depth

Regulatory Principles

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


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.

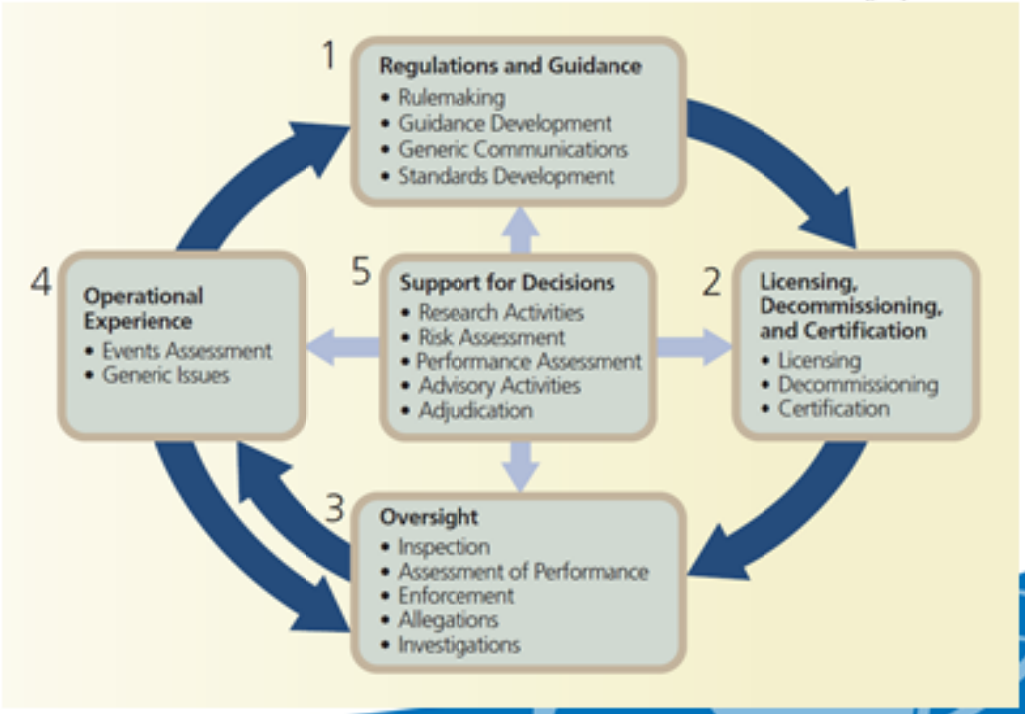
Clarity: Regulations should be coherent, logical, and practical. There should be a clear nexus between regulations and agency goals and objectives whether explicitly or implicitly stated. Agency positions should be readily understood and easily applied.

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 unpredictably 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.

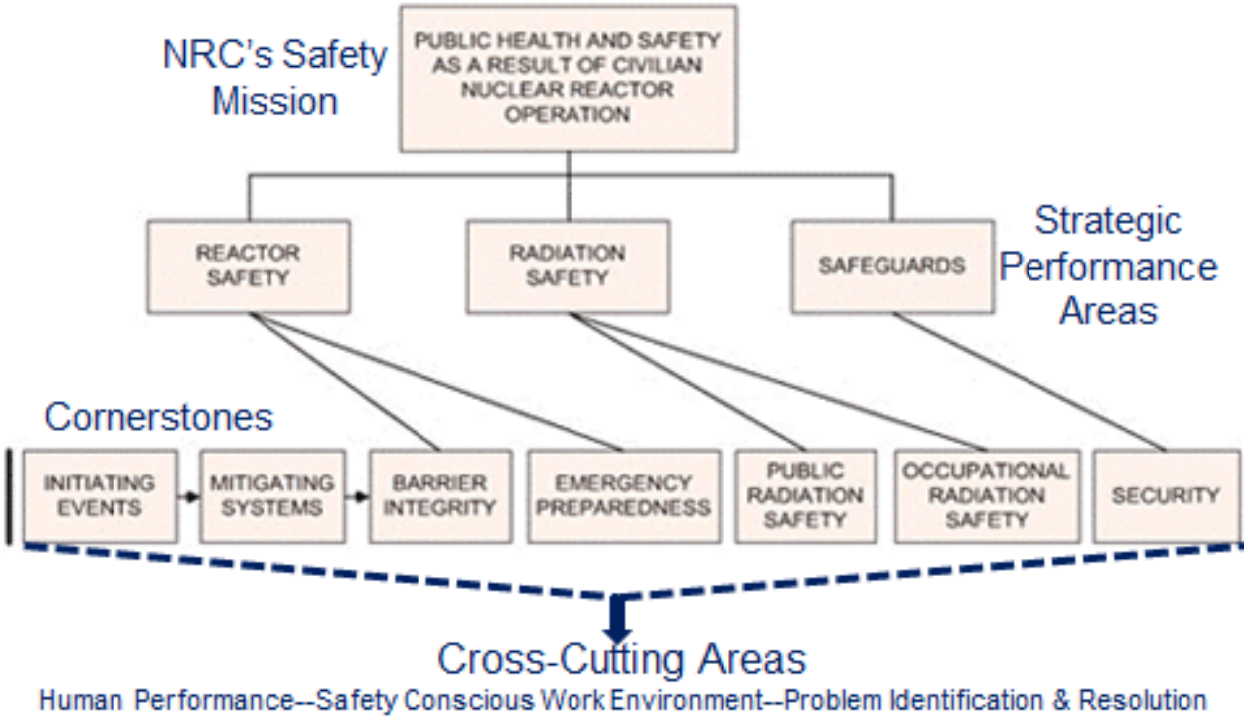
Independence
Openness
Efficiency
Clarity
Reliability

How We Regulate

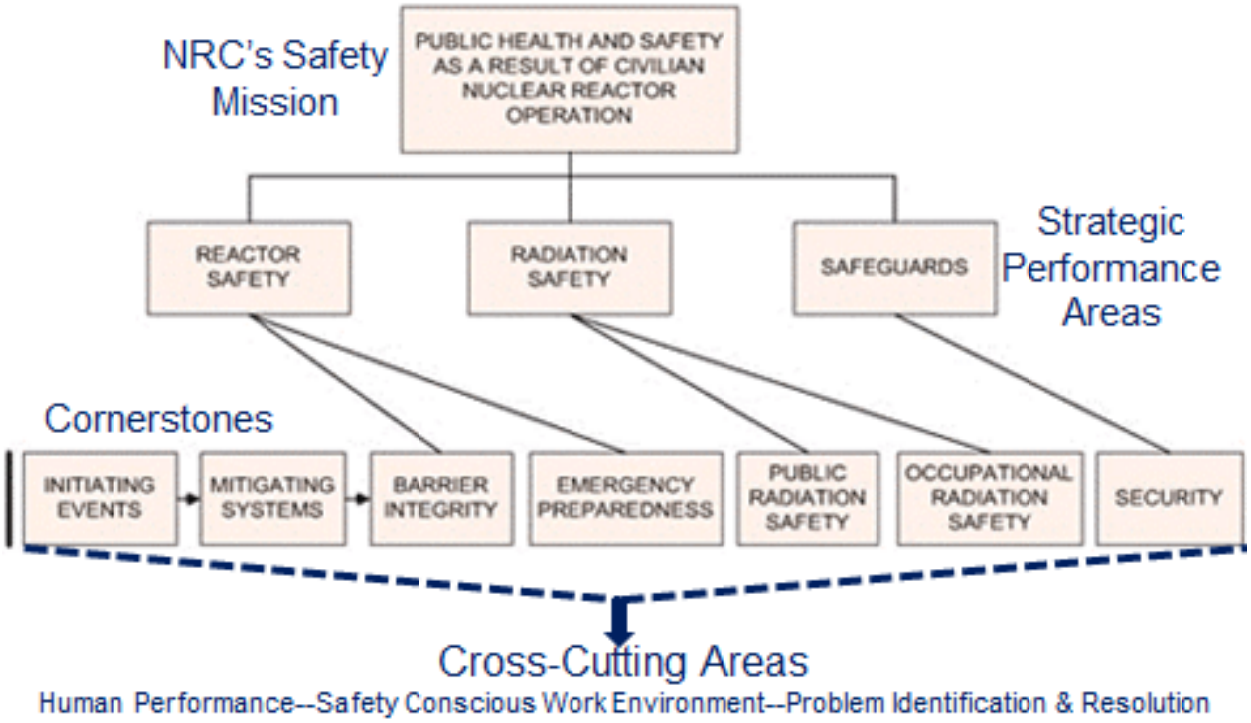
U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment



Regulatory Framework



Regulatory Framework



Performance Indicators

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

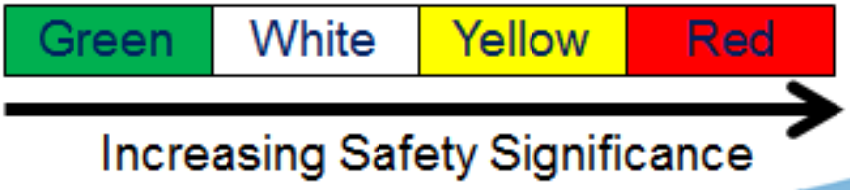
- 17 Performance Indicators
- PI's for each cornerstone
- Licensee submits data to NRC quarterly
- Inspection program verifies accuracy
- Data available on NRC website

Significance Threshold

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

Performance Indicators

Inspection Findings



Action Matrix Columns

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

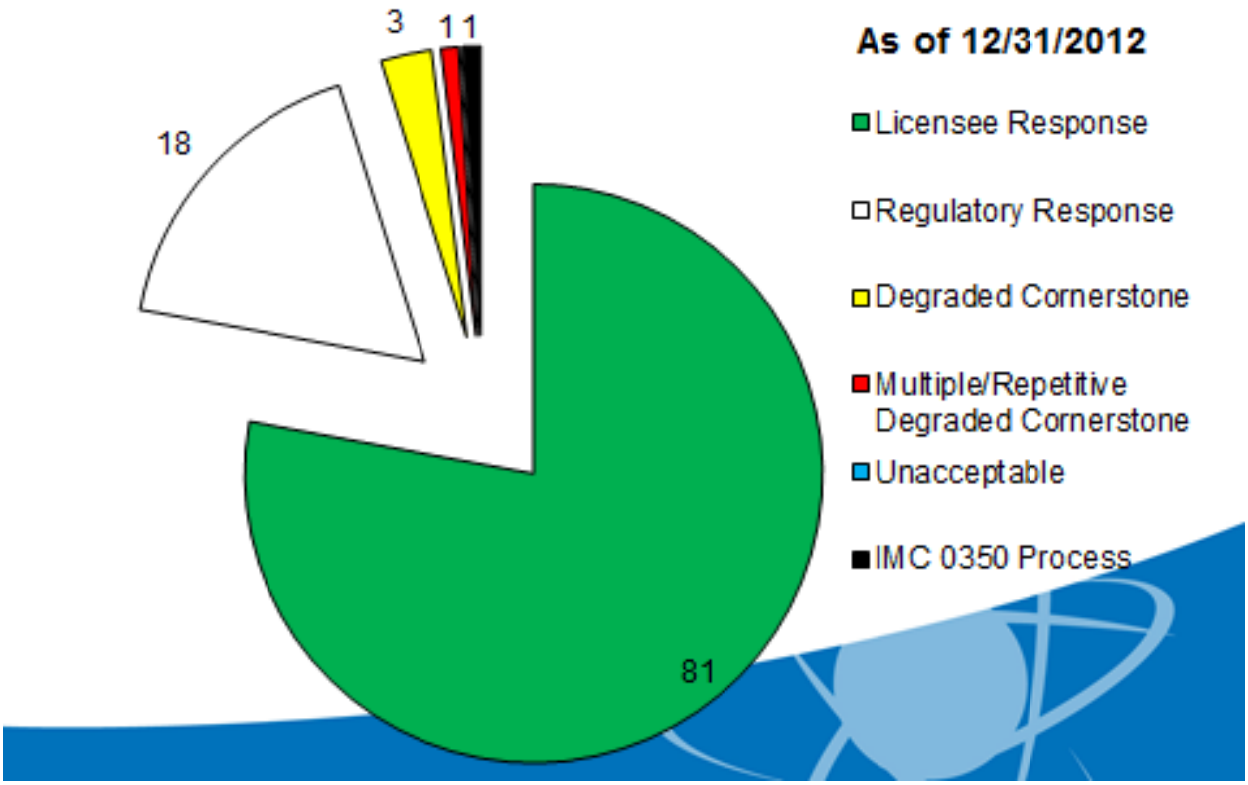
Licensee Response	Regulatory Response	Degraded	Multiple/Repetitive Degraded	Unacceptable Performance

Increasing

- Safety Significance
- Inspection
- Management Involvement
- Regulatory Action

Industry-Wide Performance

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



Industry-Wide Inspection Findings

U.S.NRC
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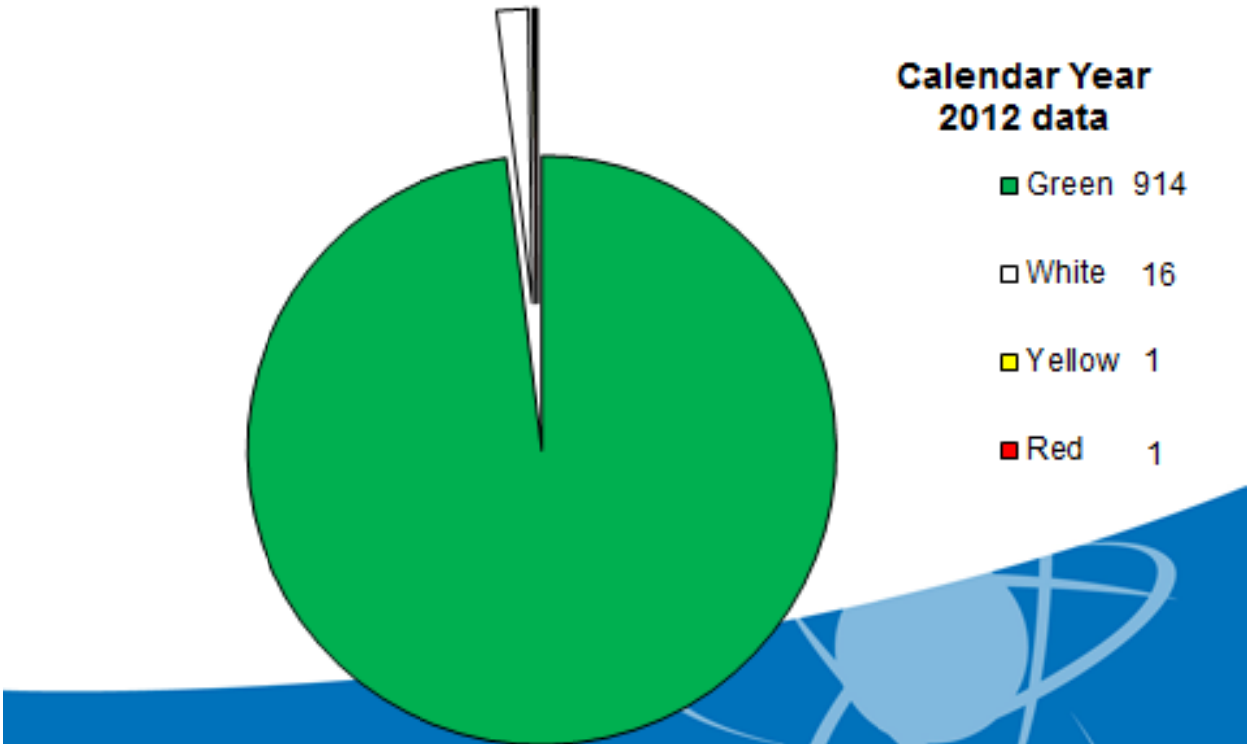
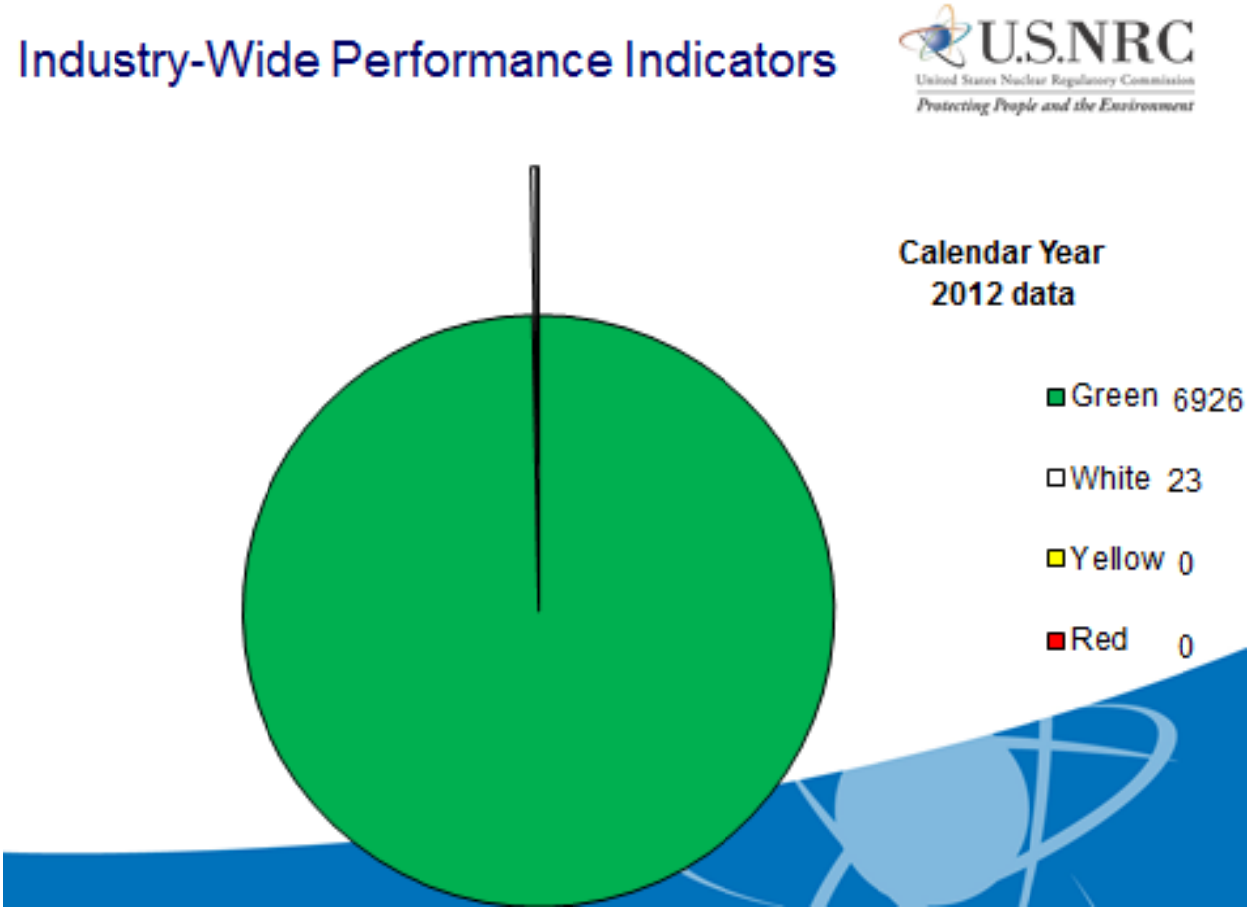
Finding data does not include security findings




Industry-Wide Performance Indicators
U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment
Calendar Year
2012 data
Green 6926
White 23
Yellow 0
Red 0

NRC Annual Assessment Summary

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

Watts Bar

- Watts Bar Unit 1 operated the plant safely and in a manner that preserved the public health and safety and protected the environment.
- Watts Bar was in the Licensee Response Column of the NRCs ROP Action Matrix for the last quarter of 2012.
- Watts Bar 1 was in the Regulatory Response column due to a greater than green security finding through the second quarter 2012

NRC Annual Assessment Summary

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

Watts Bar

- All cornerstone objectives were met.
- NRC plans baseline inspections at Watts Bar for 2013

NRC Inspection Activities
Watts Bar for 2012

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

- 6,298 hours of inspection and related activities
  - **Direct Inspection 2,641**
  - **Indirect 3,657**
    (Preparation, travel, documentation etc.)
- 2 resident inspectors on site – residents make four quarterly inspections per year and walk through the plant every day
- 5 regional inspections
- 2 major team inspection
  - Component Design basis Inspection
  - Modifications Inspection
- Watts Bar Unit 1 refueling outage was conducted September through November of 2012

Watts Bar PIs and Findings

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

January 1 through December 31, 2012

- All Green Performance Indicators
- 12 Green / Severity Level IV inspection findings
- No inspection findings that were greater than Green safety significance

NRC Inspection Findings

Watts Bar

- Failure to Comply With Technical Specification 3.4.12 by Allowing a Safety Injection Pump to Inject in to the RCS in Mode 5
- Failure to Comply with Technical Specification 3.8.4, 3.8.3, and 3.0.3 by Failing to Recognize Vital Battery II and IV Degradation
- Failure to Establish Test Procedures to Assure Satisfactory ACAS Performance during Design Basis Accidents Failure to Perform a Transient Combustible Evaluation
- Failure to Adequately Test the AFW Discharge Check Valves
- Inadequate Acceptance Criteria in Maintenance and Surveillance Procedures.
- Failure to Maintain Steam Generator Blowdown Valves in the Equipment Qualification Database.

NRC Inspection Findings

U.S.NRC
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Watts Bar

- Failure to Identify Degraded Auxiliary Charging Pump and Initiate Corrective Actions
- Failure to Follow Scaffold Procedure Threatens ERCW Pump Operability
- Inadequate Corrective Action for C ERCW Pump Breaker
- Failure to implement Ice Basket Repairs in Accordance With Approved Engineering and Maintenance Documents.
- Failure to Adhere to OPDP-1 Conduct of Operations
- Late State Notification of Unusual Event

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

TVA Response and Remarks

Mr. T. Cleary

Site Vice President

Actions in Response to the Japan Nuclear Accident

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

- 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
- Office of Public Affairs Point of Contact: OPA.resource@nrc.gov or 301-415-8200

NRC Social Media Channels

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

- Blog: http://public-blog.nrc-gateway.gov/
- Flickr: http://www.flickr.com/photos/nrcgov/
- Twitter: https://twitter.com/#!/nrcgov
- YouTube: http://www.youtube.com/user/NRCgov
- RSS: http://www.nrc.gov/public-involve/listserver.html#rss


Contacting the NRC
U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment
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
Contact Watts Bar Resident Inspectors
423-365-5487


End of Presentation
Nuclear Regulatory Commission
Region II
Atlanta, GA
April 16, 2013
U.S.NRC
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