



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

April 16, 2014

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
1101 Market Street, LP 3D-C
Chattanooga, TN 37402-2801

SUBJECT: PUBLIC MEETING SUMMARY – ANNUAL ASSESSMENT MEETING WATTS BAR
NUCLEAR PLANT – DOCKET NO. 50- 390

Dear Mr. Shea:

This refers to the meeting conducted on April 3, 2014, near the Watts Bar Nuclear Plant in Sweetwater 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, 2013, to December 31, 2013. 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,

/Craig Kontz RA for/

Jonathan Bartley, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosures:

1. List of Attendees
2. 2013 EOC WB Public Presentation

cc distribution via ListServ

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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	DLR /RA for/	CRK /RA for/					
NAME	CKontz	JBartley					
DATE	04/16/2014	04/16/2014					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY
MEETING SUMMARY.DOCX

DOCUMENT NAME: G:\DRPI\RPB6\WATTS BAR\MID & END CYCLE\WB 2013 EOC

J. Shea

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Letter to Joseph W. Shea from Jonathan H. Bartley dated April 16, 2014

SUBJECT: PUBLIC MEETING SUMMARY – ANNUAL ASSESSMENT MEETING WATTS BAR
NUCLEAR PLANT – DOCKET NO. 50- 390

DISTRIBUTION:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMWattsBar1 Resource

RidsNrrPMWattsBar2 Resource

J. Shea

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NRC Attendees

R. Croteau, Director, Division of Reactor Projects, RII

C. Kontz, Senior Project Engineer, Reactor Projects Branch 6, DRP, RII

B. Monk, Senior Resident Inspector, Watts Bar Unit 1, DRP, RII

K. Miller, Resident Inspector, Watts Bar Unit 1, DRP, RII

T. Nazario, Senior Resident Inspector, Watts Bar Unit 2, DRP, RII

WATTS BAR
PUBLIC MEETING

Sweetwater Tn

April 3, 2014

Attendees

<u>Name (Print)</u>	<u>Title and Organization</u>
<u>L. Monk</u>	<u>Public</u>
<u>G. Johnston</u>	<u>MATRR/BEST</u>
<u>G. Morgan</u>	<u>MATRR/BEST</u>
<u>Blake Nelson</u>	<u>TVA</u>
<u>John Laffrey</u>	<u>TVA</u>
<u>Jim O'Dell</u>	<u>TVA</u>
<u>Gordon Arent</u>	<u>TVA</u>
<u>Mike Skaggs</u>	<u>TVA</u>
<u>Kay Whittenburg</u>	<u>TVA</u>
<u>Joe Calle</u>	<u>TVA</u>
<u>Bob Williams</u>	<u>TVA</u>
<u>Nick Welch</u>	<u>TVA</u>
<u>Ed Freeman</u>	<u>TVA</u>
<u>Ray Hruby</u>	<u>TVA</u>

Watts Bar Unit 1 Annual Assessment Meeting

2013 Reactor Oversight Process
Nuclear Regulatory Commission – Region 2



Agenda

- Introduction
- Reactor Oversight Process
- Watts Bar Performance Results



Meeting's Purpose



- Public forum for discussion of Watts Bar Unit 1 performance in 2013
- Address the performance issues identified in the annual assessment.



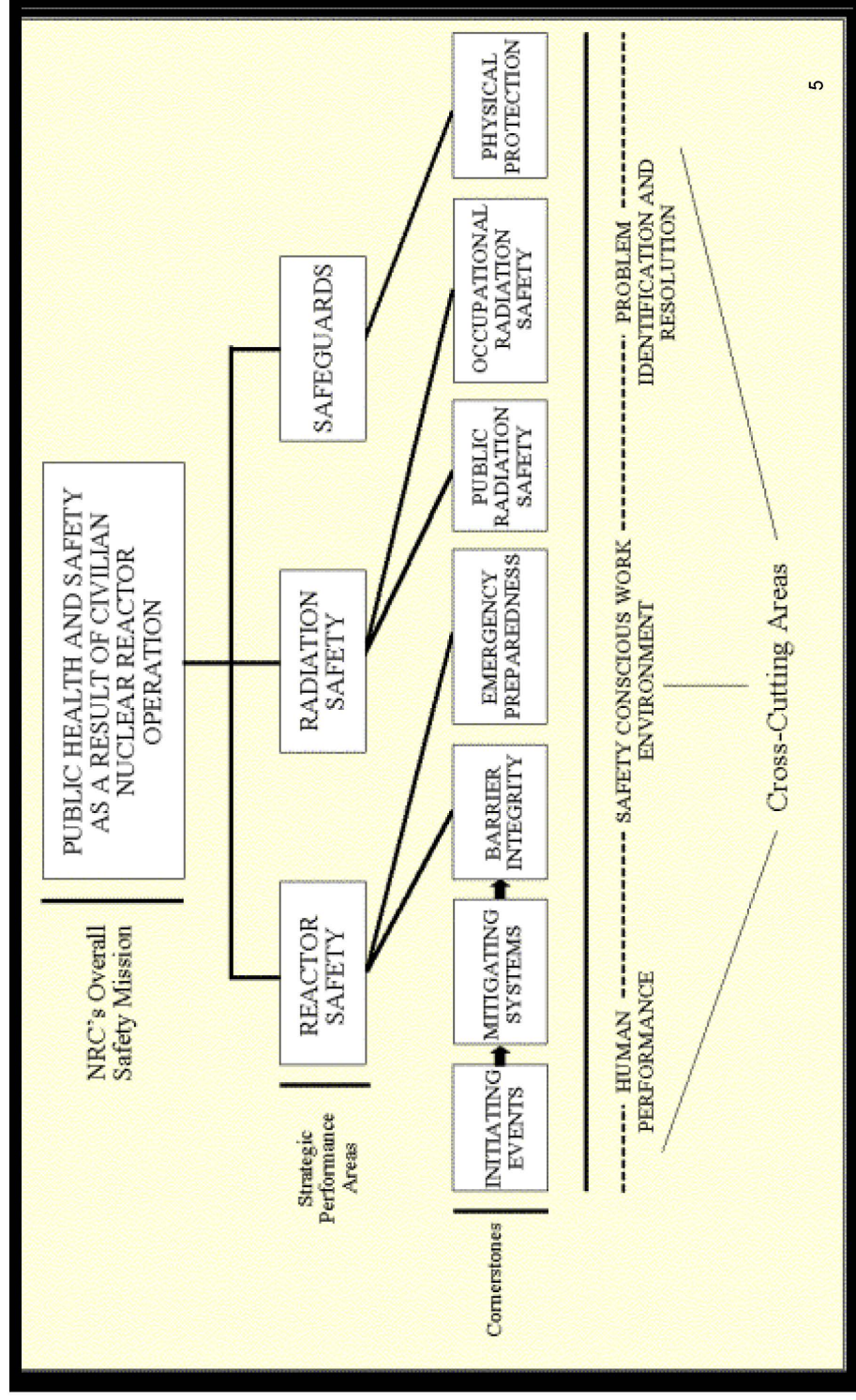
NRC Strategic Plan Goals



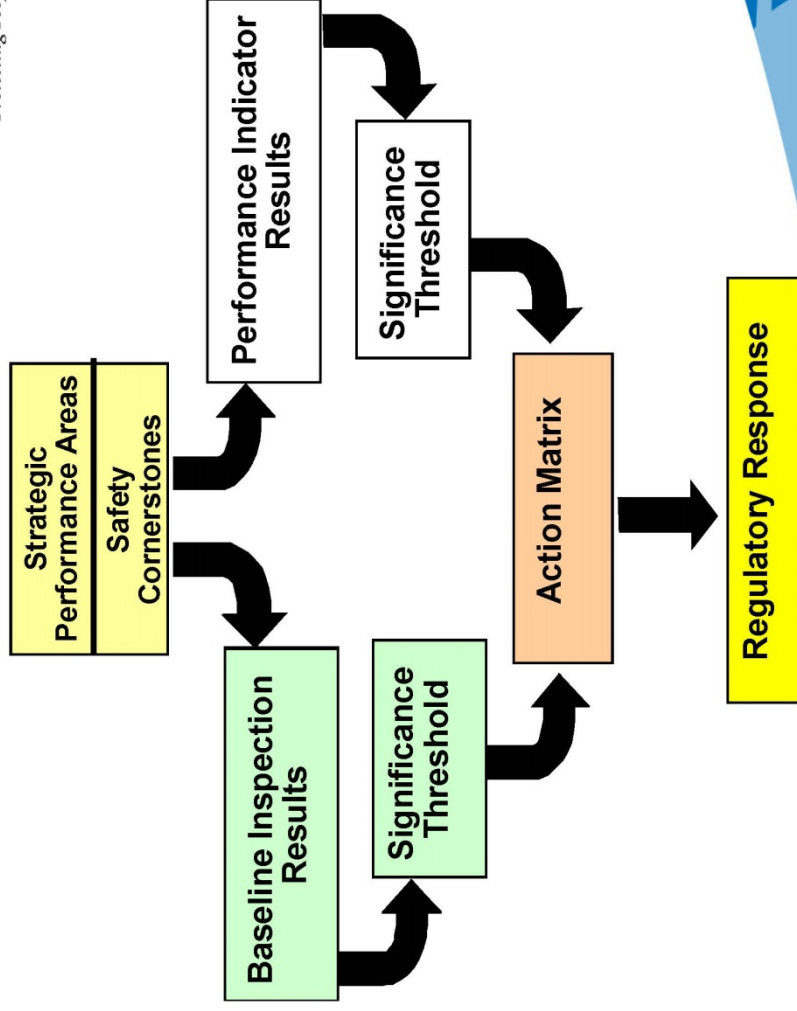
- Safety – Ensure adequate protection of public health and safety and the environment
- Security – Ensure adequate protection in the secure use and management of radioactive materials



Regulatory Framework



Reactor Oversight Process



Significance Threshold



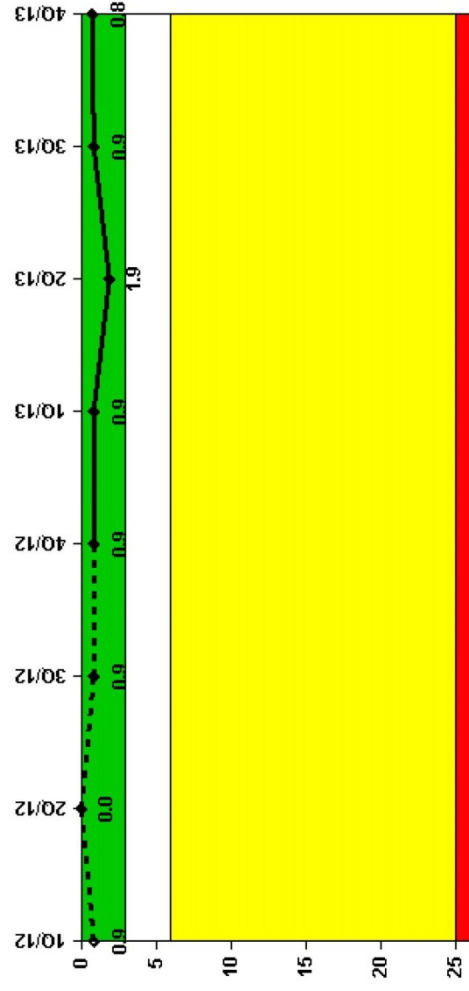
Performance Indicators



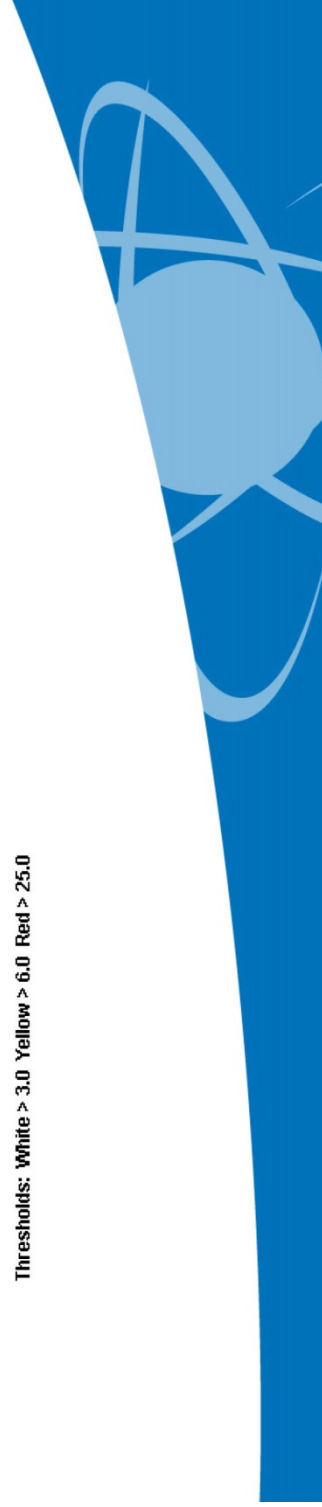
Increasing Safety Significance



Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0



Significance Threshold



Inspection Findings



Increasing Safety Significance



Green. Inspectors identified a NCV of 10 CFR 50 Appendix B, Criterion III, Design Control, for the licensee's failure to adequately develop and implement ice condenser ice basket repairs in accordance with approved engineering and maintenance documents. Specifically, the inspectors observed that repairs to six damaged ice condenser ice baskets, previously signed off as complete in the work order (WO) by the installers and following Quality Control inspection and acceptance were not in accordance with the design and maintenance WO documents.

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



NRC Inspection Activities

January 1 through December 2013

- 2750 hours of direct inspection activities
- 2 resident inspectors on site which provide daily plant inspection
- 1 Supplemental Inspection
 - 95002/92702 Yellow & White violations – 1 SLIII Violation
- 7 Regional/HQ Inspections
- 2 Major Team Inspections
 - Force on Force
 - Triennial Fire Protection



NRC Annual Assessment Summary

Watts Bar Unit 1

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 Unit 1 was in the Degraded Cornerstone Column of the NRC's ROP Action Matrix beginning the first quarter of 2013.

- Yellow and White finding in mitigating systems cornerstone associated with flood mitigation.
- NRC Inspection report 05000390/2013009



Watts Bar Pls and Findings

January 1 through December 31, 2013



- All Green Performance Indicators
- 9 Green / Severity Level IV inspection findings
- 1 SLIII Violation
- 1 White inspection finding
- 1 Yellow inspection finding



Significant Inspection Findings



In June 2013 the NRC issued 3 Findings/Violations:

- Yellow Inspection Finding of Technical Specification 5.7.1, Procedures, for the licensee's inability to demonstrate that the required Stage I and Stage II activities could be performed within 27 hours as required by AOI-7.1, Maximum Probable Flood.
- White Inspection Finding for the licensee failing to establish an adequate Abnormal Condition Procedure to implement its flood mitigation strategy.
- SLIII Violation for failure to report within eight hours an unanalyzed condition associated with a postulated Probable Maximum Flood level.
- NRC Inspection report 05000390/2013009



Supplemental Inspection



In December 2013, the NRC satisfactorily completed an inspection pursuant to Inspection Procedure 95002. (IR 05000390/2013011)

- No additional findings were identified.
- The performance issues will not be considered as an Action Matrix input after the end of the fourth quarter of 2013.



NRC Plans for 2014



- NRC plans baseline inspections at Watts Bar for the remainder of 2014. This includes:
 - IP71152B, Problem Identification and Resolution
 - IP 43004, Inspection of Commercial-Grade Dedication Programs
 - IP 71111.21, Component Design Basis Inspection



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



NRC Social Media Channels



- 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>

End of Presentation

Nuclear Regulatory Commission
Region #2
Sweetwater TN

April 3, 2014

