



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200  
ATLANTA, GEORGIA 30303-1200

May 21, 2019

MEMORANDUM TO: Omar R. Lopez- Santiago, Branch Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

FROM: Son Ninh **/RA/**  
Senior Project Engineer  
Reactor Projects Branch 5

SUBJECT: PUBLIC MEETING SUMMARY – WATTS BAR  
NUCLEAR PLANT– DOCKET NOS. 50-390 AND 391

On May 9, 2019, the Nuclear Regulatory Commission staff met with members of the public concerning the annual assessment of Watts Bar Nuclear Plant, Units 1 and 2. The meeting was held at the Spring City Municipal Building in Spring City, TN. The purpose of the meeting/open house session was to provide opportunities to discuss the annual assessment of the Watts Bar Nuclear Plant with the public for the period of January 1, 2018 – December 31, 2018. Enclosure 1 is a list of attendees and Enclosure 2 is NRC's annual assessment presentation slides.

Docket Nos.: 50-390 and 391  
License Nos.: NPF-90 and NPF-96

Enclosures:  
1. List of Attendees  
2. NRC's Annual Assessment Presentation Slides

CONTACT: Son Ninh, RII/DRP  
404-997-4532

SUBJECT: PUBLIC MEETING SUMMARY – WATTS BAR NUCLEAR PLANT–  
DOCKET NOS. 50-390 AND 391 May 21, 2019

**ADAMS Accession No. ML19142A360**

OFFICE	RII/DRP				
NAME	SNinh				
DATE	5/21/2019				

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

ANNUAL ASSESSMENT MEETING – WATTS BAR NUCLEAR PLANT  
Spring City, TN  
05/09/2019

<u>Name (Print)</u>	<u>Title and Organization</u>
SON NINH	NRC - RII
Omar Lopez	NRC - RII
Jeff Hamman	NRC RII
ROGER HANNAH	NRC RII
Jared Nadel	NRC RII
Malinda Hunter	TVA PR
Vanessa McNeil	TVA - WBN Communications
William Diamond	TVA - Emergency Planning
Alan Hintz	TEMA
Tim Holden	TEMA
Tony Brown	TVA - Fleet Licensing
Kim Hulvey	TVA - Licensing
Jim Callen	area resident, Spring City
PIOREK, ROSE THERESA	RESIDENT, SPRING CITY
Randy Staggs	TVA - WBN Plant Support
Sandy Kuntz	Citizens Action Panel - WBN
John Jacobsen	TVA OIG
Tony Williams	TVA
Heather Roberts	Rhea Co EMA

**ANNUAL ASSESSMENT MEETING – WATTS BAR NUCLEAR PLANT**  
Spring City, TN  
05/09/2019

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# Watts Bar Nuclear Plant Annual Assessment



2018 Reactor Oversight Process  
Nuclear Regulatory Commission - Region II

## NRC Mission Statement

- The NRC licenses and regulates the Nation's civilian use of radioactive materials to provide reasonable assurance of adequate protection of public health and safety and to promote the common defense and security and to protect the environment.

### STRATEGIC GOALS

**SAFETY STRATEGIC GOAL:** Ensure the Safe Use of Radioactive Materials

**SECURITY STRATEGIC GOAL:** Ensure the Secure Use of Radioactive Materials



## NRC Reactor Oversight Process (ROP)

- Process is implemented in each of the four NRC regions
- Process involves inspection and assessment activities controlled by each NRC region's senior management
- Process is implemented by regional inspectors and onsite resident NRC inspectors



## Resident Inspector Program

- NRC Resident Inspectors live in the local communities and perform inspection activities at Watts Bar Nuclear Plant
- Provide daily oversight of plant activity



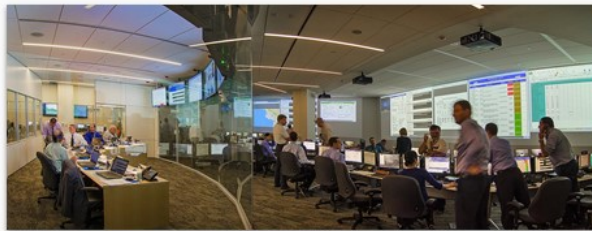
## Resident Inspector Program

- Daily visits to Control Room
- Periodic meetings with plant senior managers
- Prioritize inspections based on important plant activity



## Resident Inspector Program

- Observe emergency drills and provide support to NRC decision makers for any real emergencies or urgent issues





## Resident Inspector Program

- Process concerns raised by plant employees and the public
- Routinely discuss safety concerns with plant personnel and senior management



## NRC Annual Assessment Summary Watts Bar Nuclear Plant

- TVA operated the plant safely and in a manner that preserved the public health and safety and protected the environment





## Watts Bar Nuclear Plant Findings and Performance Indicators

- An Apparent Violation (AV), 11 Green Non-cited Violations (NCVs), and 2 Severity Level IV (NCVs) were identified in 2018
- Unit 2 Unplanned Scrams per 7000 Critical Hours Performance Indicators Crossed the White threshold for the Second and Third Quarters of 2018
- An AV and Potential Greater Than Green Finding Associated with Emergency Preparedness was identified in the Fourth Quarter of 2018. Subsequently, an AV and Preliminary White Finding was issued on February 21, 2019



## NRC Annual Assessment Summary Watts Bar Nuclear Plant

- Watts Bar Unit 1 was in the Licensee Response Column of the NRC's ROP Action Matrix for the entire of 2018
- Watts Bar Unit 2 was in the Regulatory Response Column of the NRC's ROP Action Matrix for the Second, Third, and Fourth Quarters of 2018
- In addition to routine baseline inspections, a 95001 supplemental inspection for Watts Bar Unit 2 was conducted in December 2018



## NRC Annual Assessment Summary Watts Bar Nuclear Plant

- Watts Bar Unit 2 returned to the Licensee Response Column of the NRC's ROP Action Matrix for the First Quarter of 2019, however
- Both units entered the Regulatory Response Column of the action matrix during the Fourth Quarter of 2018 due to the an Apparent Violation associated with a Potentially Greater than Green finding



## NRC Annual Assessment Summary Watts Bar Nuclear Plant

- Opened a cross-cutting issue (CCI) with the aspect of Safety Conscious Work Environment (SCWE) and identified the closure criteria for the Chilling Effect Letter (CEL) and CCI in 2018
- Follow-up inspections of actions to address the CEL and 2017 Confirmatory Order (CO) completed in February, June, and November 2018. Two Green Severity Level IV NCVs were identified
- Additional CEL/CO follow-up inspections planned for 2019



## 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>



## Contacting the NRC

- Report an emergency
  - (301) 816-5100 (call collect)
- Report a safety concern
  - (800) 695-7403
  - [Allegation@nrc.gov](mailto:Allegation@nrc.gov)
- General information or questions
  - [www.nrc.gov](http://www.nrc.gov)
- Contact Watts Bar NRC resident inspectors
  - Phone 404-997-5300

