



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

August 30, 2022

Mr. Jim Barstow  
Vice President, Nuclear Regulatory Affairs & Support Services  
Tennessee Valley Authority  
1101 Market Street, LP 4A-C  
Chattanooga, TN 37402-2801

SUBJECT: UPDATED INSPECTION PLAN FOR WATTS BAR NUCLEAR PLANT, UNITS 1  
AND 2 - REPORT 05000390/2022005 AND 05000391/2022005

Dear Mr. Barstow:

The enclosed inspection plan lists the inspections scheduled through June 30, 2024, for Watts Bar Nuclear Plant. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Beginning on January 1, 2023, the engineering inspection frequency will transition from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program will consist of a "Comprehensive Engineering Team Inspection (CETI)"<sup>1</sup> and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication" and an engineering inspection that reviews age-related degradation and management<sup>2</sup>.

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the Reactor Oversight Process (ROP). While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021 memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission.

<sup>1</sup>Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the CETI inspection. Attached Report 22 will reference DBAI procedure until the CETI procedure is made publicly available. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from Report 22.

<sup>2</sup>The age-related degradation and management procedure is under development and will be publicly available by the end of calendar year 2022.

For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

In addition to the ROP baseline inspections, the Regional Administrator has approved the staff's plan to conduct Inspection Procedure (IP) 50001, "Steam Generator Replacement Inspection," IP 92702, "Follow-Up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, and Orders," and IP 92722, "Follow-Up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12-Month Period," at your facility.

In accordance with Title 10 of the Code of Federal Regulations (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 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).

Please contact me at (404) 997-4624 with any questions you may have regarding this letter.

Sincerely,



Signed by Deschaine, Wesley  
on 08/30/22

Wesley D. Deschaine, Acting Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

Docket Nos. 05000390 and 05000391  
License Nos. NPF-90 and NPF-96

Enclosure:  
Watts Bar Inspection/Activity Plan  
(09/01/2022- 06/30/2024)

cc Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 - REPORT 05000390/2022005 AND 05000391/2022005 DATED AUGUST 30, 2022

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**OFFICIAL RECORD COPY**

# Site Inspection Activity Plan

## Watts Bar

09/01/2022 - 06/30/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>U2 SGRP INSPECTION - POST INSTALLATION DOCUMENTATION REVIEW</b>						4
2	9/1/2022	9/30/2022	IP 50001	000547	Steam Generator Replacement Inspection	
<b>DESIGN BASES ASSURANCE INSPECTION (TEAMS)</b>						6
1,2	9/12/2022	9/16/2022	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - WB</b>						6
1,2	9/12/2022	9/16/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	10/3/2022	10/7/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>FOLLOWUP INSPECTION OF THE 2017 CONFIRMATORY ORDER AT WATTS BAR</b>						2
1,2	10/1/2022	11/18/2022	IP 92702	000238	Follow-Up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, and Orders	
<b>FOLLOWUP INSPECTION OF THE ESCALATED ENFORCEMENT VIOLATIONS</b>						1
1,2	10/1/2022	10/30/2022	IP 92722	000913	Follow-Up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12-Month Period	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1,2	11/14/2022	11/18/2022	IP 71114.02	000717	Alert and Notification System Testing	
1,2	11/14/2022	11/18/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	11/14/2022	11/18/2022	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	11/14/2022	11/18/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	11/14/2022	11/18/2022	IP 71151	001397	Performance Indicator Verification	
<b>TVA CORPORATE AA/FFD INSPECTION</b>						2
1,2	1/9/2023	1/13/2023	IP 71130.01	000733	Access Authorization	
1,2	1/9/2023	1/13/2023	IP 71130.08	000740	Fitness For Duty Program	
<b>SECURITY BASELINE INSPECTION</b>						2
1,2	2/27/2023	3/3/2023	IP 71130.01	000733	Access Authorization	
1,2	2/27/2023	3/3/2023	IP 71130.02	000734	Access Control	
1,2	2/27/2023	3/3/2023	IP 71130.08	000740	Fitness For Duty Program	
1,2	2/27/2023	3/3/2023	IP 71130.09	001656	Security Plan Changes	
1,2	2/27/2023	3/3/2023	IP 71151	001338	Performance Indicator Verification	
<b>CYBER SECURITY INSPECTION</b>						4
1,2	3/6/2023	3/10/2023	IP 71130.10	000741	Cybersecurity	
<b>UNIT 1 IN-SERVICE INSPECTION +SG</b>						2
1	4/17/2023	4/21/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RADIATION SAFETY BASELINE INSPECTION</b>						3

# Site Inspection Activity Plan

1,2	4/17/2023	4/21/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	4/17/2023	4/21/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	4/17/2023	4/21/2023	IP 71124.04	000728	Occupational Dose Assessment	
1,2	4/17/2023	4/21/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	4/17/2023	4/21/2023	IP 71151	000746	Performance Indicator Verification	
1,2	5/22/2023	5/26/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1,2	5/22/2023	5/26/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	5/22/2023	5/26/2023	IP 71124.04	000728	Occupational Dose Assessment	
1,2	5/22/2023	5/26/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1,2	5/22/2023	5/26/2023	IP 71151	000746	Performance Indicator Verification	
<b>FOCUSED ENGINEERING INSPECTION</b>						<b>3</b>
1,2	6/12/2023	6/16/2023	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	6/26/2023	6/30/2023	IP 71111.21N.03	001808	Commercial Grade Dedication	
<b>TARGET SET INSPECTION</b>						<b>2</b>
1,2	7/10/2023	7/14/2023	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>RP PUBLIC RADIATION SAFETY BASELINE INSPECTION</b>						<b>2</b>
1,2	7/31/2023	8/4/2023	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	7/31/2023	8/4/2023	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1,2	7/31/2023	8/4/2023	IP 71151	000746	Performance Indicator Verification	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						<b>4</b>
1,2	8/7/2023	8/11/2023	IP 71152B	000747	Problem Identification and Resolution	
1,2	8/21/2023	8/25/2023	IP 71152B	000747	Problem Identification and Resolution	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						<b>2</b>
2	10/2/2023	10/6/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>SECURITY BASELINE INSPECTION</b>						<b>2</b>
1,2	10/30/2023	11/3/2023	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	10/30/2023	11/3/2023	IP 71130.07	000739	Security Training	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						<b>5</b>
1,2	11/13/2023	11/17/2023	IP 71114.01	000716	Exercise Evaluation	
1,2	11/13/2023	11/17/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	11/13/2023	11/17/2023	IP 71151	001397	Performance Indicator Verification	
<b>FOCUSED ENGINEERING INSPECTIONS</b>						<b>3</b>
1,2	1/22/2024	1/26/2024	IP 71111.21N.04		Age Related Focused Engineering Inspection	
1,2	2/5/2024	2/9/2024	IP 71111.21N.04		Age Related Focused Engineering Inspection	
<b>OPERATION ON AN ISFSI</b>						<b>2</b>
1,2	2/26/2024	3/1/2024	IP 60855	001001	Operation Of An ISFSI	

# Site Inspection Activity Plan

## SECURITY BASELINE INSPECTION

1

1,2	2/26/2024	3/1/2024	IP 71130.02	000734	Access Control
1,2	2/26/2024	3/1/2024	IP 71130.09	001656	Security Plan Changes
1,2	2/26/2024	3/1/2024	IP 71151	001338	Performance Indicator Verification

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