



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

August 24, 2021

Mr. Jim Barstow  
Vice President, Nuclear Regulatory  
Affairs and 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 05000390/2021005 AND 05000391/2021005

Dear Mr. Barstow:

The enclosed inspection plan lists the inspections scheduled through June 30, 2023, for Watts Bar Nuclear Plant, Units 1 and 2. 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.

In response to the COVID-19 public health emergency (PHE), the NRC is adjusting inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. Each planned inspection is being carefully reviewed in order to determine if any portions of the inspection can be performed remotely, determine how best to perform on-site portions to minimize personnel health risks, and adjust inspection schedules if needed. This is done in accordance with guidance contained in the February 1, 2021 memo, "Calendar Year 2021 Inspection Guidance During COVID-19 Telework Restrictions" (ML21027A274). 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, we also plan to conduct an Initial License Examination and Inspection Procedure (IP) 50001, Steam Generator Replacement (SGR) Inspection, for Watts Bar Unit 2. The attached inspection plan lists the date range for the SGR inspection activities, however, the specific schedule and onsite dates for the 50001 is being developed by NRC staff.

The NRC will also be performing baseline inspections of licensee cyber security programs. The specific schedule and procedure to be used for these inspections is being developed by the NRC staff. The staff expects to communicate the schedule for these inspections to each utility separately.

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) 997-4703 with any questions you may have regarding this letter.

Sincerely,

*/RA/*

Thomas A. Stephen, Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

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

Enclosure:  
Watts Bar Inspection/Activity Plan  
(09/01/2021 – 06/30/2023)

cc: Distribution via ListServ

SUBJECT: ASSESSMENT FOLLOWUP LETTER AND UPDATED INSPECTION PLAN FOR WATTS BAR NUCLEAR PLANT, UNITS 1 AND 2 - REPORT 05000390/2021005 AND 05000391/2021005 – August 24, 2021

**DISTRIBUTION:**

M. Kowal, RII  
OE MAIL  
RidsNrrDro Resource  
RidsNrrPMWattsBar Resource  
ROPassessment.Resource  
ROPreports Resource  
PUBLIC

**ADAMS Accession Number: ML21237A072**

OFFICE	RII/DRP	RII/DRP	RII/DRP	RII/DRP		
NAME	W. Deschaine	S. Ninh	N. Childs	T. Stephen		
DATE	8/11/2021	8/20/2021	8/20/2021	8/24/2021		

OFFICIAL RECORD COPY

# IP 22b Site Inspection Activity Plan

## Watts Bar

09/01/2021 - 06/30/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SECURITY BASELINE INSPECTION</b>						3
1, 2	10/12/2021	10/15/2021	IP 71130.05	000737	Protective Strategy Evaluation	
<b>EMERGENCY PREPAREDNESS EXERCISE</b>						5
1, 2	10/18/2021	10/22/2021	IP 71114.01	000716	Exercise Evaluation	
1, 2	10/18/2021	10/22/2021	IP 71151	001397	Performance Indicator Verification	
<b>MATERIAL CONTROL &amp; ACCOUNTING</b>						1
1, 2	10/18/2021	10/22/2021	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>UNIT 1 IN-SERVICE INSPECTION + SG</b>						2
1	11/1/2021	11/12/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY INSPECTION</b>						3
1, 2	11/1/2021	11/5/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/1/2021	11/5/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/1/2021	11/5/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/1/2021	11/5/2021	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	11/1/2021	11/5/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	11/1/2021	11/5/2021	IP 71151	000746	Performance Indicator Verification	
1, 2	11/15/2021	11/19/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/15/2021	11/19/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/15/2021	11/19/2021	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/15/2021	11/19/2021	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	11/15/2021	11/19/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	11/15/2021	11/19/2021	IP 71151	000746	Performance Indicator Verification	
<b>UNIT 2 SG REPLACEMENT - DESIGN AND PLANNING INSPECTIONS</b>						6
2	2/27/2022	5/28/2022	IP 50001	000547	Steam Generator Replacement Inspection	
<b>UNIT 2 SG REPLACEMENT - POST-INSTALLATION AND VERIFICATION INSPECTIONS</b>						6
2	2/27/2022	5/28/2022	IP 50001	000547	Steam Generator Replacement Inspection	
<b>UNIT 2 SG REPLACEMENT - SG REMOVAL AND REPLACEMENT INSPECTIONS</b>						6
2	2/27/2022	5/28/2022	IP 50001	000547	Steam Generator Replacement Inspection	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						2
2	4/11/2022	4/15/2022	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL AND TRANSPORTATION RAD SAFETY INSPECTION</b>						2
1, 2	2/28/2022	3/4/2022	IP 50001	000547	Steam Generator Replacement Inspection	
1, 2	4/11/2022	4/15/2022	IP 50001	000547	Steam Generator Replacement Inspection	

# IP 22b Site Inspection Activity Plan

1, 2	4/18/2022	4/22/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	4/18/2022	4/22/2022	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1, 2	4/18/2022	4/22/2022	IP 71151	000746	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (TEAMS)</b>						6
1, 2	6/6/2022	6/10/2022	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	6/20/2022	6/24/2022	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>SECURITY BASELINE INSPECTION</b>						3
1, 2	6/20/2022	6/24/2022	IP 71130.02	000734	Access Control	
1, 2	6/20/2022	6/24/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	6/20/2022	6/24/2022	IP 71130.07	000739	Security Training	
1, 2	6/20/2022	6/24/2022	IP 71130.09	001656	Security Plan Changes	
1, 2	6/20/2022	6/24/2022	IP 71151	001338	Performance Indicator Verification	
<b>WATTS BAR INITIAL LICENSE EXAM</b>						4
1, 2	7/11/2022	7/15/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	8/8/2022	8/19/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
<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>WATTS BAR REQUAL INSPECTION</b>						2
1, 2	9/26/2022	9/30/2022	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<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>CYBER SECURITY INSPECTION</b>						2
1, 2	2/20/2023	2/24/2023	IP 71130.10P	000741	Cyber Security	
<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	

# IP 22b Site Inspection Activity Plan

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
------	-----------	----------	----------	--------	------------------------------------

---

## UNIT 1 IN-SERVICE INSPECTION +SG

2

1	5/1/2023	5/5/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)
---	----------	----------	--------------	--------	---------------------------------------

---

## RP PUBLIC RADIATION SAFETY BASELINE

2

1, 2	6/26/2023	6/30/2023	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment
------	-----------	-----------	-------------	--------	---

1, 2	6/26/2023	6/30/2023	IP 71124.07	000731	Radiological Environmental Monitoring Program
------	-----------	-----------	-------------	--------	---

1, 2	6/26/2023	6/30/2023	IP 71151	000746	Performance Indicator Verification
------	-----------	-----------	----------	--------	------------------------------------