



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

August 24, 2017

Mr. Joseph W. Shea  
Site Vice President, Nuclear Regulatory  
Affairs and Support Services  
Tennessee Valley Authority  
1101 Market Street, LP 3R-C  
Chattanooga, TN 37402-2801

**SUBJECT: UPDATED INSPECTION PLAN FOR WATTS BAR NUCLEAR PLANT UNITS 1  
AND 2 (REPORTS 05000390, 05000391/2017005)**

Dear Mr. Shea:

The enclosed inspection plan lists the inspections scheduled through June 30, 2019, for the 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. This inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

A cross-cutting theme in the Safety Conscious Work Environment (SCWE) cross-cutting area exists as identified in our mid-cycle letter dated August 31, 2016 (ML16244A703). Specifically, on March 23, 2016, the NRC issued a letter entitled, "Chilled Work Environment for Raising and Addressing Safety Concerns at the Watts Bar Nuclear Plant" (ML16083A479) and the NRC identified one inspection finding in the assessment period with a cross-cutting aspect of SCWE Policy. The NRC will conduct follow-up inspections on your actions to address the Chilling Effect Letter and SCWE theme using baseline inspection samples and focused inspections as appropriate. The focused inspections are included in the enclosed inspection plan. The NRC was recently notified that the refueling outage for Unit 2 will begin later than previously scheduled. Consequently, the dates of these focused inspections may change.

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).

J. Shea

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Please contact me at (404) 997-4415 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Alan Blamey, Chief  
Reactor Projects Branch 6  
Division of Reactor Projects

Docket Nos.: 50-390, 50-391  
License No.: NPF-90, NPF-96

Enclosure:  
Watts Bar Inspection/Activity Plan  
(09/01/2017- 06/30/2019)

cc Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 (REPORTS 05000390, 05000391/2017005) August 24, 2017

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OFFICE	RII:DRP						
NAME	ABlamey						
DATE	8/24/2017						

**OFFICIAL AGENCY RECORD**

**Watts Bar**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>PB5-SCF - SAFETY CULTURE FOLLOWUP</b>		<b>3</b>
1, 2	09/18/2017	09/22/2017	IP 71152-Reviews	In-depth Reviews	
			<b>ISI - UNIT 2 IN-SERVICE INSPECTION</b>		<b>1</b>
2	11/06/2017	11/10/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>SGISI - UNIT 2 SG IN-SERVICE INSPECTION</b>		<b>1</b>
2	11/06/2017	11/10/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>PB5-CEL - CEL INSPECTION</b>		<b>5</b>
1, 2	11/13/2017	11/17/2017	IP 40001	Resolution Of Employee Concerns	
1, 2	11/13/2017	11/17/2017	IP 93100	Safety-Conscious Work Environment Issue of Concern Followup	
			<b>PB5-CO - CONFIRMATORY ORDER FOLLOWUP</b>		<b>4</b>
1, 2	11/13/2017	11/17/2017	IP 92702	Followup On Corrective Actions For Violations And Deviations	
			<b>EP - EP EXERCISE</b>		<b>3</b>
1, 2	12/11/2017	12/15/2017	IP 7111401	Exercise Evaluation	
1, 2	12/11/2017	12/15/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	12/11/2017	12/15/2017	IP 7111408	Exercise Evaluation – Scenario Review	
1, 2	12/11/2017	12/15/2017	IP 71151	Performance Indicator Verification	
			<b>MODS - PLANT MODIFICATIONS INSPECTION</b>		<b>3</b>
1, 2	03/19/2018	03/23/2018	IP 7111117T	Evaluations of Changes, Tests, and Experiments	
			<b>HS - TRIENNIAL HEAT SINK PERFORMANCE</b>		<b>1</b>
1, 2	06/04/2018	06/04/2018	IP 7111107T	Heat Sink Performance	
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
1	08/06/2018	08/10/2018	V23516	WATTS BAR / SEPTEMBER 2018 INITIAL EXAM AT POWER FACILITIES	
			<b>RP - RP PUBLIC INSPECTION</b>		<b>2</b>
1, 2	08/06/2018	08/10/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	08/06/2018	08/10/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	08/06/2018	08/10/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	08/06/2018	08/10/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>OL EXAM - INITIAL LICENSE EXAM</b>		<b>3</b>
1	09/03/2018	09/21/2018	V23516	WATTS BAR / SEPTEMBER 2018 INITIAL EXAM AT POWER FACILITIES	
			<b>RP - RAD HAZARD AND TRANSPORTATION</b>		<b>2</b>
1, 2	09/10/2018	09/14/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/10/2018	09/14/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Enclosure

**Watts Bar**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>ISI - UNIT 1 IN-SERVICE INSPECTION</b>		<b>1</b>
1	09/17/2018	09/21/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>SGISI - UNIT 1 SG IN-SERVICE INSPECTION</b>		<b>1</b>
1	09/17/2018	09/21/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>TFPI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
1, 2	10/22/2018	10/26/2018	IP 7111105T	Fire Protection [Triennial]	
1, 2	11/05/2018	11/09/2018	IP 7111105T	Fire Protection [Triennial]	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>5</b>
1, 2	11/12/2018	11/16/2018	IP 7111402	Alert and Notification System Testing	
1, 2	11/12/2018	11/16/2018	IP 7111402	Alert and Notification System Testing	
1, 2	11/12/2018	11/16/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	11/12/2018	11/16/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	11/12/2018	11/16/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/12/2018	11/16/2018	IP 71151-EP01	Drill/Exercise Performance	
1, 2	11/12/2018	11/16/2018	IP 71151-EP02	ERO Readiness	
1, 2	11/12/2018	11/16/2018	IP 71151-EP03	Alert & Notification System Reliability	
			<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>
1, 2	11/12/2018	11/16/2018	IP 7111111B	Licensed Operator Requalification Program	
			<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>4</b>
1, 2	01/14/2019	01/18/2019	IP 71152B	Problem Identification and Resolution	
1, 2	01/28/2019	02/01/2019	IP 71152B	Problem Identification and Resolution	
			<b>ISI - UNIT 2 IN-SERVICE INSPECTION</b>		<b>1</b>
2	04/22/2019	04/26/2019	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>RP - RP OCCUPATIONAL WEEK 1</b>		<b>2</b>
1, 2	04/22/2019	04/26/2019	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/22/2019	04/26/2019	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/22/2019	04/26/2019	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/22/2019	04/26/2019	IP 71124.04	Occupational Dose Assessment	
1, 2	04/22/2019	04/26/2019	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/22/2019	04/26/2019	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	04/22/2019	04/26/2019	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>SGISI - UNIT 2 SG IN-SERVICE INSPECTION</b>		<b>1</b>
2	04/22/2019	04/26/2019	IP 7111108P	Inservice Inspection Activities - PWR	

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**Watts Bar**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>RP - RP OCCUPATIONAL WEEK 2</b>					
1, 2	05/06/2019	05/10/2019	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
1, 2	05/06/2019	05/10/2019	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/06/2019	05/10/2019	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/06/2019	05/10/2019	IP 71124.04	Occupational Dose Assessment	
1, 2	05/06/2019	05/10/2019	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	05/06/2019	05/10/2019	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	05/06/2019	05/10/2019	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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