



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

March 4, 2011

Mr. R. M. Krich
Vice President, Nuclear Licensing
Tennessee Valley Authority
3R Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR THE WATTS BAR NUCLEAR PLANT
UNIT 1 (REPORT 05000390/2011001)**

Dear Mr.Krich:

On February 10, 2011, the NRC completed its end-of-cycle performance review of the Watts Bar Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Watts Bar Unit 1 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Watts Bar Unit 1 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. We also plan on conducting an initial license exam at your facility in June, and October, 2012.

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 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-997-4662 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Eugene F. Guthrie, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosure: Watts Bar Inspection/Activity Plan

cc w/encl: (See page 3)

TVA

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cc w/encl:
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Watts Bar

Inspection / Activity Plan

03/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	03/28/2011	04/01/2011	EB3 ISI IP 7111108P	- UNIT 1 INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
1	04/11/2011	04/15/2011	PSB1-RP IP 71124.01	- RP OCCUPATIONAL RAD HAZARDS ONLY Radiological Hazard Assessment and Exposure Controls	2
1	05/16/2011	05/20/2011	OL EXAM V23351	- INITIAL EXAM PREP WATTS BAR/JUNE 2011 EXAM AT POWER FACILITIES	9
1	06/06/2011	06/10/2011	OL EXAM V23351	- INITIAL EXAM - WEEK 1 WATTS BAR/JUNE 2011 EXAM AT POWER FACILITIES	9
1	06/06/2011	06/10/2011	PSB1-RP IP 71124.02	- RP OCCUPATIONAL BASELINE Occupational ALARA Planning and Controls	4
1	06/06/2011	06/10/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/06/2011	06/10/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	06/06/2011	06/10/2011	IP 71151	Performance Indicator Verification	
1	06/13/2011	06/17/2011	OL EXAM V23351	- INITIAL EXAM - WEEK 2 WATTS BAR/JUNE 2011 EXAM AT POWER FACILITIES	9
1	09/19/2011	09/23/2011	OL EXAM V23362	- INITIAL EXAM PREP WATTS BAR / OCTOBER 2011 EXAM AT POWER FACILITIES	5
1	10/17/2011	10/21/2011	OL EXAM V23362	- INITIAL EXAM - WEEK 1 WATTS BAR / OCTOBER 2011 EXAM AT POWER FACILITIES	5
1	10/17/2011	10/21/2011	PSB1EP IP 7111401	- EMERGENCY PREPAREDNESS EXERCISE Exercise Evaluation	2
1	10/17/2011	10/21/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	10/17/2011	10/21/2011	IP 7111406	Drill Evaluation	
1	10/24/2011	10/28/2011	OL EXAM V23362	- INITIAL EXAM - WEEK 2 WATTS BAR / OCTOBER 2011 EXAM AT POWER FACILITIES	4
1	12/12/2011	12/16/2011	TI-177 IP 2515/177	- TI-177 GAS INTRUSION Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	3
1	01/09/2012	01/13/2012	CDBI IP 7111121	- COMPONENT DESIGN BASES INSPECTION Component Design Bases Inspection	6
1	01/30/2012	02/03/2012	IP 7111121	Component Design Bases Inspection	
1	02/13/2012	02/17/2012	IP 7111121	Component Design Bases Inspection	
1	02/27/2012	03/02/2012	IP 7111121	Component Design Bases Inspection	
1	05/21/2012	05/25/2012	MODS IP 7111117T	- MODIFICATIONS INSPECTION Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1	06/04/2012	06/08/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.