



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET SW SUITE 23T85
ATLANTA, GEORGIA 30303-8931

August 27, 2003

Tennessee Valley Authority
ATTN: Mr. J. A. Scalice
Chief Nuclear Officer and
Executive Vice President
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -WATTS BAR
NUCLEAR PLANT DOCKET NOS. 50-390, 50-391

Dear Mr. Scalice:

On August 12, 2003, the NRC staff completed its mid-cycle plant performance assessment of the Watts Bar Nuclear Plant. The mid-cycle review for Watts Bar involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the first half of the current assessment cycle, January 1 - December 31, 2003. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct only baseline inspections at your facility through September 30, 2004.

The enclosed inspection plan details the inspections scheduled through September 30, 2004. It includes baseline safety issue inspections to follow-up on industry issues with reactor head penetrations delineated in NRC Bulletin 2002-02, "Reactor Pressure Vessel Head and Vessel Head Penetration Nozzle Inspection Programs," and long term lay up inspections for Watts Bar Unit 2. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last six months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4520 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA by S. Shaeffer for/

Stephen J. Cahill, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket Nos.: 50-390, 50-391
License Nos.: NPF-90 and Construction
Permit No. CPPR-92

Enclosure: Watts Bar Nuclear Plant Inspection/Activity Plan

cc w/encl: (See page 3)

TVA

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cc w/encls:

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Watts Bar
Inspection / Activity Plan
09/01/2003 - 09/30/2004

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EB2-ISI - INSERVICE INSPECTION-U1		2			
1	IP 7111108P	Inservice Inspection Activities - PWR		09/29/2003	10/03/2003	Baseline Inspections
	PS-RP - OUTAGE ASSESMENT		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/06/2003	10/10/2003	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/06/2003	10/10/2003	Baseline Inspections
	2515/150 - TI 2515/150 REV1		1			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-0		10/07/2003	10/10/2003	Safety Issues
	S/G-ISI - S/G INSERVICE INSPECTION-U1		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/20/2003	10/24/2003	Baseline Inspections
	OL-EP - EMERGENCY EXERCISE		2			
1	IP 7111401	Exercise Evaluation		11/05/2003	11/06/2003	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/05/2003	11/06/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/05/2003	11/06/2003	Baseline Inspections
	PB6LAYUP - UNIT 2 SYSTEM LAYUP INSPECTION		1			
1	IP 92050	Review Of Quality Assurance For Extended Construction Delays		11/17/2003	11/21/2003	Other Routine
	EB2-MR - MAINTENANCE RULE		1			
1	IP 7111112B	Maintenance Effectiveness		12/08/2003	12/11/2003	Baseline Inspections
	PB6-FP - FLOOD PROTECTION		1			
1	IP 7111106	Flood Protection Measures		01/12/2004	01/16/2004	Baseline Inspections
	EB1FP - TFP PRE-INSPECTION VISIT		4			
1	IP 7111105T	Fire Protection		03/01/2004	03/05/2004	Baseline Inspections
	EB1-FP - TRIENNIAL FIRE PROTECTION		4			
1	IP 7111105T	Fire Protection		03/22/2004	03/26/2004	Baseline Inspections
1	IP 7111105T	Fire Protection		04/05/2004	04/09/2004	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		2			
1	V23213	WATTS BAR/EXAMS AT POWER FACILITIES		07/12/2004	07/16/2004	Not Applicable
	OL EXAM - INITIAL EXAM		3			
1	V23213	WATTS BAR/EXAMS AT POWER FACILITIES		07/26/2004	07/30/2004	Not Applicable
	PS-RP - RADIATION PROTECTION		3			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/16/2004	08/20/2004	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/16/2004	08/20/2004	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/16/2004	08/20/2004	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		08/16/2004	08/20/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/16/2004	08/20/2004	Baseline Inspections

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