



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 - SEQUOYAH  
NUCLEAR PLANT

Dear Mr. Scalice:

On August 5, 2003, the NRC staff completed its mid-cycle plant performance assessment of the Sequoyah Nuclear Plant. The mid-cycle review for Sequoyah 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 remained within the Licensee Response Column of the NRC's Action Matrix for Unit 1 and the Regulatory Response Column for Unit 2. Entry into the Regulatory Response Column for Unit 2 was based upon one PI in the Initiating Events Cornerstone (Unplanned Scrams per 7000 Critical Hours) that crossed the White threshold in the fourth quarter of 2002. The degradation of this PI is considered to be of very low safety significance. Per our letter dated January 21, 2003, we informed you that, as a result of the White PI, we would conduct Supplemental Inspection Procedure 95001 in order to better understand the causes contributing to the increase of unplanned scrams and your planned corrective actions. We completed that inspection as documented in NRC Inspection Report 50-328/2003-008 dated July 21, 2003. In that report, we concluded that your problem identification, root cause and extent of condition evaluation, and corrective actions for the White PI were adequate. We also conducted a Regulatory Performance Meeting, as required by the NRC Action Matrix, with Mr. R. Purcell of your staff on July 15, 2003 to discuss your actions in response to the White PI. Based on the results of these activities, we plan no further actions in response to the White PI.

The enclosed inspection plan details the inspections scheduled through September 30, 2004. It includes inspections for the construction of the Independent Spent Fuel Storage Installation (ISFSI) and a Special Inspection to follow-up on a recent security event that occurred during this period. 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Stephen J. Cahill at 404-562-4520 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Victor M. McCree, Acting Director  
Division of Reactor Projects

Docket Nos. 50-327, 50-328  
License Nos. DPR-77, DPR-79

Enclosure: Sequoyah Inspection/Activity Plan

cc w/encl: (See page 3)

TVA

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cc w/encl:

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**Sequoyah**  
**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	
	<b>PI&amp;R</b>	<b>- IDENTIFICATION AND RESOLUTION OF PROBLEM</b>	<b>4</b>			
1,2	IP 71152B	Identification and Resolution of Problems		09/08/2003	09/12/2003	Baseline Inspections
	<b>ISFSI</b>	<b>- ISFSI CONSTRUCTION</b>	<b>1</b>			
1	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI		09/15/2003	09/19/2003	Other Routine
	<b>PI&amp;R</b>	<b>- IDENTIFICATION AND RESOLUTION OF PROBLEM</b>	<b>5</b>			
1,2	IP 71152B	Identification and Resolution of Problems		09/22/2003	09/26/2003	Baseline Inspections
	<b>PS-SEC</b>	<b>- SECURITY - PI&amp;R</b>	<b>1</b>			
1,2	IP 71152B	Identification and Resolution of Problems		09/22/2003	09/26/2003	Baseline Inspections
	<b>OL RQ</b>	<b>- REQUAL INSPECTION</b>	<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification		10/06/2003	10/10/2003	Baseline Inspections
	<b>EB2-ISI</b>	<b>- INSERVICE INSPECTION-U2</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		11/13/2003	11/16/2003	Baseline Inspections
	<b>S/G-ISI</b>	<b>- S/G INSERVICE INSPECTION-U2</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		11/23/2003	11/26/2003	Baseline Inspections
	<b>EB2-MR</b>	<b>- MAINTENANCE RULE</b>	<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		01/05/2004	01/09/2004	Baseline Inspections
	<b>PB6-FP</b>	<b>- FLOOD PROTECTION</b>	<b>1</b>			
1,2	IP 7111106	Flood Protection Measures		02/09/2004	02/13/2004	Baseline Inspections
	<b>ISFSI</b>	<b>- ISFSI PREOP</b>	<b>1</b>			
1	IP 60854	Preoperational Testing Of An ISFSI		02/09/2004	02/13/2004	Other Routine
1	IP 60854	Preoperational Testing Of An ISFSI		02/23/2004	02/27/2004	Other Routine
	<b>OL PREP</b>	<b>- INITIAL EXAM PREP</b>	<b>2</b>			
1	V23215	SEQUOYAH/EXAMS AT POWER FACILITIES		05/17/2004	05/21/2004	Not Applicable
	<b>OL EXAM</b>	<b>- INITIAL EXAM</b>	<b>3</b>			
1	V23215	SEQUOYAH/EXAMS AT POWER FACILITIES		06/07/2004	06/11/2004	Not Applicable
	<b>OL EP</b>	<b>- EP EXERCISE</b>	<b>2</b>			
1,2	IP 7111401	Exercise Evaluation		06/21/2004	06/25/2004	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/21/2004	06/25/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		06/21/2004	06/25/2004	Baseline Inspections
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>3</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/02/2004	08/06/2004	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/02/2004	08/06/2004	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/02/2004	08/06/2004	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		08/02/2004	08/06/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/02/2004	08/06/2004	Baseline Inspections

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