



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

March 3, 2008

Mr. William R. Campbell, Jr.
Chief Nuclear Officer and Executive Vice President
Tennessee Valley Authority
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

**SUBJECT: ANNUAL ASSESSMENT LETTER – SEQUOYAH NUCLEAR PLANT
(NRC INSPECTION REPORT 05000327/2008001 AND 05000328/2008001)**

Dear Mr. Campbell:

On February 7, 2008, the NRC staff completed its performance review of the Sequoyah Nuclear Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. 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.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only-Security-Related Information" will include the security cornerstone review and resultant inspection plan.

Overall, Sequoyah operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 reactor oversight process (ROP) baseline inspections at your facility. We also plan on conducting several non-ROP inspections which include TI 2515/171, Verification of Site Specific (B.5.b) Phase 2 and 3 Mitigation Strategies; TI 2515/172, Reactor Coolant System Dissimilar Metal; and TI 2515/174, Hydrogen Igniter Backup Power Verification.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2009. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 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 me at (404) 562-4530 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Rebecca L. Nease, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosure: Sequoyah Inspection/Activity Plan (03/01/08 - 06/30/09)

cc w/encl.: (See page 2)

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Sequoyah
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/10/2008	03/12/2008	Baseline Inspections
	PSB1-RP - RADIATION PROTECTION PUBLIC BASELINE		3			
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		04/07/2008	04/11/2008	Baseline Inspections
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		04/07/2008	04/11/2008	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		04/07/2008	04/11/2008	Baseline Inspections
1, 2	IP 71151-PR01	RETS/ODCM Radiological Effluent		04/07/2008	04/11/2008	Baseline Inspections
	PSB1-RP - RADIATION PROTECTION - ACCESS CONTROLS		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		04/28/2008	05/02/2008	Baseline Inspections
1, 2	IP 71151-OR01	Occupational Exposure Control Effectiveness		04/28/2008	05/02/2008	Baseline Inspections
	EB2-TFP - TRIENNIAL FIRE PROTECTION		6			
1, 2	IP 7111105T	Fire Protection [Triennial]		06/09/2008	06/13/2008	Baseline Inspections
1, 2	IP 7111105T	Fire Protection [Triennial]		06/23/2008	06/27/2008	Baseline Inspections
	EB3-ISI - UNIT 2 - ISI		1			
2	IP 7111108P	Inservice Inspection Activities - PWR		05/12/2008	05/16/2008	Baseline Inspections
	EB3SGISI - U2 SG ISI		1			
2	IP 7111108P	Inservice Inspection Activities - PWR		05/19/2008	05/23/2008	Baseline Inspections
	EB3TI172 - TI-172		2			
1, 2	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		09/08/2008	09/12/2008	Generic Safety Inspectio
	TI-171 - B.5.B PHASE 2&3		3			
1, 2	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		10/06/2008	10/10/2008	Generic Safety Inspectio
	PSB1-EP - EP EXERCISE		4			
1, 2	IP 7111401	Exercise Evaluation		10/13/2008	10/17/2008	EP Baseline Inspection
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/13/2008	10/17/2008	EP Baseline Inspection
1, 2	IP 71151-EP01	Drill/Exercise Performance		10/13/2008	10/17/2008	Baseline Inspections
1, 2	IP 71151-EP02	ERO Drill Participation		10/13/2008	10/17/2008	Baseline Inspections
1, 2	IP 71151-EP03	Alert & Notification System		10/13/2008	10/17/2008	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1, 2	IP 7111111B	Licensed Operator Requalification Program		12/01/2008	12/05/2008	Baseline Inspections
	EB1-MODS - MODIFICATIONS-10CFR50.59		3			
1, 2	IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		12/01/2008	12/12/2008	Baseline Inspections
	OL EXAM - INITIAL EXAM PREP		3			
1	V23307	SEQUOYAH/JANUARY 2009 EXAM AT POWER FACILITIES		01/05/2009	01/09/2009	Not Applicable
	OL EXAM - INITIAL EXAM - WEEK 1		3			
1	V23307	SEQUOYAH/JANUARY 2009 EXAM AT POWER FACILITIES		01/26/2009	01/31/2009	Not Applicable

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

Sequoyah
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	OL EXAM - INITIAL EXAM - WEEK 2		2			
1	V23307	SEQUOYAH/JANUARY 2009 EXAM AT POWER FACILITIES		02/02/2009	02/06/2009	Not Applicable
	PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT		1			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		02/17/2009	02/19/2009	Baseline Inspections
	PSB1-RP - RADIATION PROTECTION OCCUPATIONAL WK1		2			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/30/2009	04/03/2009	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		03/30/2009	04/03/2009	Baseline Inspections
1, 2	IP 7112202	Radioactive Material Processing and Transportation		03/30/2009	04/03/2009	Baseline Inspections
1, 2	IP 71151-OR01	Occupational Exposure Control Effectiveness		03/30/2009	04/03/2009	Baseline Inspections
1, 2	IP 71151-PR01	RETS/ODCM Radiological Effluent		03/30/2009	04/03/2009	Baseline Inspections
	EB3ISI - UNIT 1 ISI		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/06/2009	04/10/2009	Baseline Inspections
	PSB1-RP - RADIATION PROTECTION OCCUPATIONAL WK2		2			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		04/13/2009	04/19/2009	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		04/13/2009	04/19/2009	Baseline Inspections
1, 2	IP 7112202	Radioactive Material Processing and Transportation		04/13/2009	04/19/2009	Baseline Inspections