



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

March 3, 2010

Mr. Tom E. Tynan  
Vice President  
Southern Nuclear Operating Company, Inc.  
Vogtle Electric Generating Plant  
7821 River Road  
Waynesboro, GA 30830

SUBJECT: ANNUAL ASSESSMENT LETTER - VOGTLE ELECTRIC GENERATING PLANT  
(NRC INSPECTION REPORT 05000424/2010001 AND 05000425/2010001)

Dear Mr. Tynan:

On February 9, 2010, the NRC staff completed its performance review of Vogtle Electric Generating Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1, 2009 through December 31, 2009. 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 Physical Protection Security cornerstone performance review and resultant inspection plan.

Plant performance for the most recent quarter at Vogtle Units 1 and 2 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 special and infrequently performed IPs which include a triennial Fire Protection inspection, triennial Heat Sink inspection, triennial 50.59 Modification Inspection, Component Design Basis inspection, temporary inspection (TI) 2515/172 "Reactor Coolant System Dissimilar Metal Butt Welds" and operator licensing requalification inspections.

The enclosed inspection plan details the inspection, less those related to physical protection scheduled through June 30, 2011. 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.

SNC 2

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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4521 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Scott M. Shaeffer, Chief  
Projects Branch 2  
Division of Reactor Projects

Docket Nos.: 50-424, 50-425  
License Nos.: NPF-68 and NPF-81

Enclosure: Vogtle Inspection/Activity Plan

cc w/encl: (See page 3)

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cc w/encl:

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cc w/encl. continued next page

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cc w/encl. continued:

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**Vogle**  
**Inspection / Activity Plan**  
**03/01/2010 - 06/30/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>OL EXAM - INITIAL EXAM WEEK</b>					<b>4</b>
1	02/22/2010	03/05/2010	V23358	VOGTLE/FEBRUARY 2010 EXAM AT POWER FACILITIES	
<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK1</b>					<b>2</b>
1,2	03/08/2010	03/12/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/08/2010	03/12/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/08/2010	03/12/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	03/08/2010	03/12/2010	IP 71124.04	Occupational Dose Assessment	
1,2	03/08/2010	03/12/2010	IP 71151	Performance Indicator Verification	
<b>EB3ISI - UNIT 2 INSERVICE INSPECTION</b>					<b>2</b>
2	03/15/2010	03/19/2010	IP 7111108P	Inservice Inspection Activities - PWR	
<b>EB3TI172 - TI-172 RCS DM BUTT WELDS</b>					<b>2</b>
2	03/15/2010	03/19/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
<b>EB3SGISI - UNIT 2 SGISI</b>					<b>1</b>
2	03/22/2010	03/26/2010	IP 7111108P	Inservice Inspection Activities - PWR	
<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 2</b>					<b>2</b>
1,2	03/22/2010	03/26/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/22/2010	03/26/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/22/2010	03/26/2010	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	03/22/2010	03/26/2010	IP 71124.04	Occupational Dose Assessment	
1,2	03/22/2010	03/26/2010	IP 71151	Performance Indicator Verification	
<b>PSB1EP - EMERGENCY PREPAREDNESS EXERCISE</b>					<b>3</b>
1,2	05/17/2010	05/21/2010	IP 7111401	Exercise Evaluation	
1,2	05/17/2010	05/21/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	05/17/2010	05/21/2010	IP 71151	Performance Indicator Verification	
<b>EB1-CDBI - COMPONENT DESIGN BASES INSPECTION</b>					<b>7</b>
1,2	05/31/2010	06/04/2010	IP 7111121	Component Design Bases Inspection	
1,2	06/14/2010	06/18/2010	IP 7111121	Component Design Bases Inspection	
1,2	06/28/2010	07/02/2010	IP 7111121	Component Design Bases Inspection	
1,2	07/12/2010	07/16/2010	IP 7111121	Component Design Bases Inspection	
<b>FP - TFPI</b>					<b>6</b>
1,2	08/02/2010	08/06/2010	IP 7111105T	Fire Protection [Triennial]	
1,2	08/16/2010	08/20/2010	IP 7111105T	Fire Protection [Triennial]	
<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>					<b>4</b>
1,2	02/07/2011	02/11/2011	IP 71152B	Identification and Resolution of Problems	
1,2	02/21/2011	02/25/2011	IP 71152B	Identification and Resolution of Problems	

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

Enclosure

**Vogle**  
**Inspection / Activity Plan**  
**03/01/2010 - 06/30/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>2</b>
1	02/14/2011	02/18/2011	V23347	VOGTLE/MARCH 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>3</b>
1	03/14/2011	03/18/2011	V23347	VOGTLE/MARCH 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>3</b>
1	03/21/2011	04/01/2011	V23347	VOGTLE/MARCH 2011 EXAM AT POWER FACILITIES	
			<b>EB3ISI - UNIT 1 INSERVICE INSPECTION</b>		<b>1</b>
1	03/28/2011	04/01/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>PSB1-RP - RP RADIOLOGICAL HAZARD ASSESSMENT</b>		<b>1</b>
1,2	04/04/2011	04/08/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>1</b>
1,2	04/04/2011	04/08/2011	IP 7111402	Alert and Notification System Evaluation	
1,2	04/04/2011	04/08/2011	IP 7111403	Emergency Response Organization Augmentation Testing	
1,2	04/04/2011	04/08/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	04/04/2011	04/08/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	04/04/2011	04/08/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	04/04/2011	04/08/2011	IP 71151-EP02	ERO Drill Participation	
1,2	04/04/2011	04/08/2011	IP 71151-EP03	Alert & Notification System	
			<b>MODS - MODIFICATION/50.59 INSPECTION</b>		<b>3</b>
1,2	05/23/2011	05/27/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	06/06/2011	06/10/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>EB3HS - HEAT SINK</b>		<b>1</b>
1,2	06/27/2011	07/01/2011	IP 7111107T	Heat Sink Performance	

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

Enclosure