



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

August 31, 2007

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - VOGTLE  
ELECTRIC GENERATING PLANT

Dear Mr. Tynan:

On August 15, 2007, the NRC staff completed its performance review of the Vogtle Electric Generating Plant for the first half of the calendar year 2007 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 the enclosed inspection plan do not include physical protection information. A separate letter, designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390," will include the physical protection review and a resultant inspection plan.

Overall, Vogtle 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 the previous three quarters was within the Regulatory Response Column of the NRC's Action Matrix for a low to moderate safety significance (White) finding in the Emergency Preparedness cornerstone. Therefore, in addition to conducting baseline inspections, the NRC plans to conduct Supplemental Inspection Procedure 95001, "Inspection for One or Two White Inputs In a Strategic Performance Area," when you have informed us of your readiness.

Additionally, Unit 2 was also within the Regulatory Response Column of the NRC's Action Matrix for a White Mitigating System Performance Index, Cooling Water Systems PI in the Mitigating Systems cornerstone. This PI crossed the Green to White threshold in the second quarter of calendar year 2006. In May 2007, the NRC conducted Supplemental Inspection Procedure IP 95001. As documented in Supplemental Inspection Report 05000425/20070012, in general, your problem identification, root cause, and corrective actions were adequate.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2009. The inspection plan is provided to minimize the resource impact on your staff and 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 twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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).

The NRC is currently evaluating the scope and frequency of all baseline inspection procedures. If the results of this evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the changes as soon as possible. Please contact Scott Shaeffer to (404) 562-4521 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Charles A. Casto, Director  
Division of Reactor Projects

Docket No.: 50-424, 50-425  
Licensee No.: NPF-68 and NPF-81

Enclosure: Inspection/Activity Plan

cc w/encl: (See page 3)

SNC

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cc w/encls:

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**Vogle**  
**Inspection / Activity Plan**  
**09/01/2007 - 03/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>OL RQ</b>	<b>- REQUALIFICATION INSPECTION</b>	<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		09/17/2007	09/21/2007	Baseline Inspections
	<b>EB2-TFP</b>	<b>- TRIENNIAL FIRE PROTECTION - INFO TRIP</b>	<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		09/18/2007	09/20/2007	Baseline Inspections
	<b>EB2-TFP</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		10/01/2007	10/05/2007	Baseline Inspections
1,2	IP 7111105T	Fire Protection [Triennial]		10/15/2007	10/19/2007	Baseline Inspections
	<b>EB3-HS</b>	<b>- HEAT SINK INSPECTION</b>	<b>1</b>			
1,2	IP 7111107B	Heat Sink Performance		01/28/2008	02/01/2008	Baseline Inspections
	<b>EB3-ISI</b>	<b>- UNIT 1 INSERVICE INSPECTION</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/24/2008	03/28/2008	Baseline Inspections
	<b>EB3SGISI</b>	<b>- U1 SG ISI</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/31/2008	04/04/2008	Baseline Inspections
	<b>PSB1-EP</b>	<b>- EP EXERCISE</b>	<b>3</b>			
1,2	IP 7111401	Exercise Evaluation		04/28/2008	05/02/2008	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/28/2008	05/02/2008	Baseline Inspections
1,2	IP 71151-EP01	Drill/Exercise Performance		04/28/2008	05/02/2008	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		04/28/2008	05/02/2008	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		04/28/2008	05/02/2008	Baseline Inspections
	<b>LICREN</b>	<b>- LICENSE RENEWAL</b>	<b>5</b>			
1,2	IP 71002	License Renewal Inspection		05/19/2008	05/23/2008	License Renewal Insp
1,2	IP 71002	License Renewal Inspection		06/02/2008	06/06/2008	License Renewal Insp
	<b>PSB1-RP</b>	<b>- RADIATION PROTECTION PREINSPECTION VISIT</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/11/2008	08/13/2008	Baseline Inspections
	<b>PSB1-RP</b>	<b>- RADIATION PROTECTION OCCUPATIONAL WK1</b>	<b>3</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		09/22/2008	09/26/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		09/22/2008	09/26/2008	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		09/22/2008	09/26/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		09/22/2008	09/26/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		09/22/2008	09/26/2008	Baseline Inspections
	<b>EB3ISI</b>	<b>- U2 ISI</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		09/29/2008	10/03/2008	Baseline Inspections
	<b>EBESGISI</b>	<b>- U2 SG ISI</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/06/2008	10/10/2008	Baseline Inspections

**Vogle**  
**Inspection / Activity Plan**  
**09/01/2007 - 03/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PSB1-RP</b>	<b>- RADIATION PROTECTION OCCUPATIONAL WK2</b>	<b>3</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/06/2008	10/10/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		10/06/2008	10/10/2008	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		10/06/2008	10/10/2008	Baseline Inspections
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		10/06/2008	10/10/2008	Baseline Inspections
2	IP 71151-PR01	RETS/ODCM Radiological Effluent		10/06/2008	10/10/2008	Baseline Inspections
	<b>PI&amp;R</b>	<b>- PREP TRIP-PROBLEM ID AND RESOL</b>	<b>1</b>			
1,2	IP 71152B	Identification and Resolution of Problems		12/01/2008	12/05/2008	Baseline Inspections
	<b>EB1-MODS</b>	<b>- MODIFICATIONS - 10CFR50.59</b>	<b>4</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/12/2009	01/16/2009	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		01/12/2009	01/16/2009	Baseline Inspections
	<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICTION &amp; RESOLUTION</b>	<b>4</b>			
1,2	IP 71152B	Identification and Resolution of Problems		02/09/2009	02/13/2009	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		02/23/2009	02/27/2009	Baseline Inspections