



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

March 1, 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: ANNUAL ASSESSMENT LETTER - VOGTLE ELECTRIC GENERATING PLANT  
(NRC INSPECTION REPORT 05000424/2007001 AND 05000425/2007001)

Dear Mr. Tynan:

On February 6, 2007, the NRC staff completed its performance review of the 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 through December 31, 2006. 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 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 resultant inspection plan.

Overall, Vogtle Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a White inspection finding in the Emergency Preparedness (EP) cornerstone and the Unit 2 Mitigating Systems Performance Index (MSPI) for Cooling Water Systems crossing the White threshold. The EP inspection finding was for the failure of the critique process to identify a weakness associated with a risk-significant planning standard that was determined to be a Drill/Exercise Performance Indicator opportunity failure during the full-scale exercise and was identified in the third quarter. The Unit 2 MSPI for Cooling Water Systems crossed the White threshold in the third quarter due to multiple failures of a single Nuclear Service Cooling Water train.

We were notified by your staff of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the White MSPI for Cooling Water Systems. Therefore, we plan to conduct a supplemental inspection, using Inspection Procedure (IP) 95001, beginning on May 14, 2007.

You have appealed the EP finding and our review of your final appeal is not yet complete. We will schedule a date to conduct a supplemental inspection, using IP 95001, once we are informed you are prepared for this inspection.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through September 30, 2008. 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. In addition to routine baseline inspections, we will also be performing inspections of reactor vessel head and head penetrations, Unit 2 containment emergency recirculation sump modifications, and license renewal activities. Additionally, initial reactor operator licensing examinations are scheduled. 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 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 Scott Shaeffer at (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, Region II

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

Enclosure: Vogtle Inspection/ Activity Plan

cc w/encls:

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**Vogle**  
**Inspection / Activity Plan**  
**03/01/2007 - 09/30/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>EB3-ISI - UNIT 2 INSERVICE INSPECTION</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		03/12/2007	03/16/2007	Baseline Inspections
	<b>EB3SGISI - UNIT 2 STEAM GENERATOR ISI</b>		<b>2</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		03/19/2007	03/23/2007	Baseline Inspections
	<b>EB3TI150 - 2515/150 UNIT 2: RPV &amp; VHP NOZZLES</b>		<b>2</b>			
2	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		03/19/2007	03/23/2007	Safety Issues
	<b>PSB1-EP - EP INSP</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 71151-EP01	Drill/Exercise Performance		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		03/19/2007	03/23/2007	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		03/19/2007	03/23/2007	Baseline Inspections
	<b>EB1-SUMP - PWR CONTAINMENT SUMP BLOCKAGE TI (U-2)</b>		<b>1</b>			
2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		04/02/2007	04/06/2007	Safety Issues
	<b>EB1-CDBI - COMPONENT DESIGN BASES INSPECTION</b>		<b>6</b>			
1,2	IP 7111121	Component Design Bases Inspection		04/09/2007	04/13/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		04/23/2007	04/27/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		05/07/2007	05/11/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		05/21/2007	05/25/2007	Baseline Inspections
	<b>PB2-SUPP - COOLING WATER MSPI SUPPLEMENTAL</b>		<b>1</b>			
2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		05/14/2007	05/18/2007	Supplemental Program
	<b>OL PREP - INITIAL EXAM PREPARATION</b>		<b>3</b>			
1	V23264	VOGTLE/AUGUST 2007 EXAM AT POWER FACILITIES		07/09/2007	07/13/2007	Not Applicable
	<b>PSB1-RP - RP PUBLIC PRE-INSPECTION VISIT</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		07/16/2007	07/18/2007	Baseline Inspections
	<b>OL EXAM - INITIAL EXAM</b>		<b>3</b>			
1	V23264	VOGTLE/AUGUST 2007 EXAM AT POWER FACILITIES		07/30/2007	08/10/2007	Not Applicable
	<b>PSB1-RP - RP PUBLIC BASELINE INSPECTION</b>		<b>4</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/20/2007	08/24/2007	Baseline Inspections

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

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**Vogle**  
**Inspection / Activity Plan**  
**03/01/2007 - 09/30/2008**

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>PSB1-RP</b>	<b>- RADIATION PROTECTION PREINSPECTION VISIT</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/11/2008	02/15/2008	Baseline Inspections
	<b>LIC RENE</b>	<b>- LICENSE RENEWAL INSPECTION</b>	<b>5</b>			
1,2	IP 71002	License Renewal Inspection		03/10/2008	03/28/2008	License Renewal Insp
	<b>PSB1-RP</b>	<b>- RADIATION PROTECTION OCCUPATIONAL WK1</b>	<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/10/2008	03/14/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/10/2008	03/14/2008	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/10/2008	03/14/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		03/10/2008	03/14/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		03/10/2008	03/14/2008	Baseline Inspections
	<b>EB3-ISI</b>	<b>- UNIT 1 INSERVICE INSPECTION</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/17/2008	03/21/2008	Baseline Inspections
	<b>PSB1-RP</b>	<b>- RADIATION PROTECTION OCCUPATIONAL WK2</b>	<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/24/2008	03/28/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/24/2008	03/28/2008	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/24/2008	03/28/2008	Baseline Inspections
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		03/24/2008	03/28/2008	Baseline Inspections
2	IP 71151-PR01	RETS/ODCM Radiological Effluent		03/24/2008	03/28/2008	Baseline Inspections
	<b>PSB1-EP</b>	<b>- EP EXERCISE</b>	<b>2</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