



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
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ATLANTA, GEORGIA 30303-8931

August 30, 2005

Southern Nuclear Operating Company, Inc.  
ATTN: D. E. Grissette, Jr.  
Vice President - Vogtle Project  
P. O. Box 1295  
Birmingham, AL 35201-1295

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

Dear Mr. Grissette:

On August 3, 2005, the NRC staff completed its performance review of the Vogtle Electric Generating Plant for the first half of the calendar year 2005 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.

Plant performance for the most recent quarter 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 through March 31, 2007. We also plan on conducting inspections of the reactor vessel head and head penetrations and pressurizer penetrations which are not part of the routine baseline inspection program.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2007. 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).

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2

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) 562-4550 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**IRA\**

Malcolm T. Widmann, Chief  
Reactor Projects Branch 2  
Division of Reactor Projects

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

Enclosure: Vogtle Inspection/Activity Plan

cc w/encl: (See page 3)

SNC

3

cc w/encl:

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**Vogle**  
**Inspection / Activity Plan**  
**09/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>EB1SSDPC - SAFETY SYSTEM DESIGN &amp; PERF. CAPABILITY</b>		<b>5</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		08/29/2005	09/02/2005	Baseline Inspections
	<b>PS1-RP - RP PUBLIC BASELINE</b>		<b>4</b>			
1,2	IP 2515/161	Transportation of Reactor Control Rod Drives in Type A Packages		09/12/2005	09/16/2005	Safety Issues
1,2	IP 7112101	Access Control to Radiologically Significant Areas		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/12/2005	09/16/2005	Baseline Inspections
	<b>PS2 EP - EP INSPECTION</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		09/12/2005	09/16/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/12/2005	09/16/2005	Baseline Inspections
	<b>EB3-ISI - U2 INSERVICE INSPECTION</b>		<b>2</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		09/26/2005	09/29/2005	Baseline Inspections
	<b>EB3TI160 - 2515/160 U-2: PZR PENETRATION NOZZLES</b>		<b>1</b>			
2	IP 2515/160	Pzr Pene Nozzles & Stm Space Piping Connections in U.S. PWRs [NRC Bulletin 2004-01]		09/26/2005	09/30/2005	Safety Issues
	<b>EB3SGISI - STEAM GENERATOR ISI</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/10/2005	10/14/2005	Baseline Inspections
	<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		10/17/2005	10/21/2005	Baseline Inspections
	<b>PS2-EP - EP EXERCISE</b>		<b>3</b>			
1,2	IP 7111401	Exercise Evaluation		03/20/2006	03/24/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/20/2006	03/24/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/20/2006	03/24/2006	Baseline Inspections
	<b>EB3-MR - MR EFFECTIVENESS</b>		<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		04/03/2006	04/07/2006	Baseline Inspections
	<b>EB3-HS - HEAT SINK</b>		<b>2</b>			
1,2	IP 7111107B	Heat Sink Performance		07/17/2006	07/21/2006	Baseline Inspections
	<b>PS1-RP - RP PREINSPECTION VISIT OCCUPATIONAL</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/28/2006	08/30/2006	Baseline Inspections
	<b>PS1-RP - RP BASELINE OCCUPATIONAL WK1</b>		<b>3</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		09/18/2006	09/22/2006	Baseline Inspections

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

Enclosure

**Vogle**  
**Inspection / Activity Plan**  
**09/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
	<b>PS1-RP</b>	<b>- RP BASELINE OCCUPATIONAL WK1</b>	<b>3</b>		
1,2	IP 7112102	ALARA Planning and Controls		09/18/2006 09/22/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		09/18/2006 09/22/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/18/2006 09/22/2006	Baseline Inspections
	<b>EB3-ISI</b>	<b>- U1 INSERVICE INSPECTION</b>	<b>1</b>		
1	IP 7111108P	Inservice Inspection Activities - PWR		09/25/2006 09/29/2006	Baseline Inspections
	<b>EB3TI150</b>	<b>- 2515/150 U-1: RPV &amp; VHP NOZZLES</b>	<b>1</b>		
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		09/25/2006 09/29/2006	Safety Issues
	<b>EB3SGISI</b>	<b>- U1 STEAM GENERATOR ISI</b>	<b>1</b>		
1	IP 7111108P	Inservice Inspection Activities - PWR		10/02/2006 10/06/2006	Baseline Inspections
	<b>PS1-RP</b>	<b>- RP BASELINE OCCUPATIONAL WK2</b>	<b>3</b>		
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/02/2006 10/06/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		10/02/2006 10/06/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		10/02/2006 10/06/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		10/02/2006 10/06/2006	Baseline Inspections
	<b>PB2-PI&amp;R</b>	<b>- BIENNIAL PI&amp;R</b>	<b>7</b>		
1,2	IP 71152B	Identification and Resolution of Problems		11/06/2006 11/10/2006	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		11/27/2006 12/01/2006	Baseline Inspections
	<b>EB1-MODS</b>	<b>- MODIFICATIONS-10CFR50.59</b>	<b>3</b>		
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/22/2007 01/26/2007	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		01/22/2007 01/26/2007	Baseline Inspections
	<b>EB3TI150</b>	<b>- 2515/150 U-2: RPV &amp; VHP NOZZLES</b>	<b>1</b>		
2	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		03/12/2007 03/16/2007	Safety Issues