



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II**  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

September 1, 2010

Mr. Thomas D. Gatlin  
Vice President  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
P.O. Box 88  
Jenkinsville, SC 29065

**SUBJECT: MID-CYCLE ASSESSMENT LETTER AND INSPECTION PLAN - VIRGIL C.  
SUMMER NUCLEAR STATION**

Dear Mr. Gatlin:

On August 12, 2010, the NRC staff completed its performance review of the Virgil C. Summer Nuclear Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2009, through June 30, 2010. 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 Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Virgil C. Summer Nuclear Station 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 non-ROP inspections which include: TI 2515/179 – National Source Tracking System Verification; TI 2515/177 – Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal & Containment Spray System; and TI 2515/172 – Reactor Coolant System Dissimilar Metal Butt Welds.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of the inspector's 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 end of 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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-997-4551 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Gerald J. McCoy, Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

Docket No.: 50-395  
License No.: NPF-12

Enclosure: V.C. Summer Inspection / Activity Plan (09/01/2010 – 12/31/2011)

cc w/encl: (See next page)

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**Summer**  
**Inspection / Activity Plan**  
**09/01/2010 - 12/31/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>					<b>2</b>
1	09/13/2010	09/17/2010	IP 7111402	Alert and Notification System Testing	
1	09/13/2010	09/17/2010	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	09/13/2010	09/17/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	09/13/2010	09/17/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	09/13/2010	09/17/2010	IP 71151	Performance Indicator Verification	
<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>					<b>4</b>
1	10/04/2010	10/08/2010	IP 71152B	Identification and Resolution of Problems	
1	10/18/2010	10/22/2010	IP 71152B	Identification and Resolution of Problems	
<b>CDBI - COMPONENT DESIGN BASES INSPECTION</b>					<b>9</b>
1	01/10/2011	01/14/2011	IP 7111121	Component Design Bases Inspection	
1	01/31/2011	02/04/2011	IP 7111121	Component Design Bases Inspection	
1	02/14/2011	02/18/2011	IP 7111121	Component Design Bases Inspection	
1	02/28/2011	03/04/2011	IP 7111121	Component Design Bases Inspection	
<b>EB3ISI - INSERVICE INSPECTION</b>					<b>1</b>
1	05/02/2011	05/06/2011	IP 7111108P	Inservice Inspection Activities - PWR	
<b>PSB1-RP - RP OCCUPATIONAL WEEK 1</b>					<b>4</b>
1	05/02/2011	05/06/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1	05/02/2011	05/06/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/02/2011	05/06/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/02/2011	05/06/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/02/2011	05/06/2011	IP 71124.04	Occupational Dose Assessment	
1	05/02/2011	05/06/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/02/2011	05/06/2011	IP 71151	Performance Indicator Verification	
<b>PSB1-RP - RP OCCUPATIONAL WEEK 2</b>					<b>2</b>
1	05/16/2011	05/20/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/16/2011	05/20/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/16/2011	05/20/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/16/2011	05/20/2011	IP 71124.04	Occupational Dose Assessment	
1	05/16/2011	05/20/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/16/2011	05/20/2011	IP 71151	Performance Indicator Verification	
<b>PSB1-TI - TI-179 NSTS VERIFICATION</b>					<b>1</b>
1	05/16/2011	05/20/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
<b>OL RQ - REQUAL INSPECTION</b>					<b>2</b>
1	08/08/2011	08/12/2011	IP 7111111B	Licensed Operator Requalification Program	

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

Enclosure

**Summer**  
**Inspection / Activity Plan**  
**09/01/2010 - 12/31/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>3</b>
1	08/22/2011	08/26/2011	V23356	SUMMER/SEPTEMBER 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>3</b>
1	09/12/2011	09/16/2011	V23356	SUMMER/SEPTEMBER 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>3</b>
1	09/19/2011	09/23/2011	V23356	SUMMER/SEPTEMBER 2011 EXAM AT POWER FACILITIES	
			<b>PSB1EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>3</b>
1	09/26/2011	09/30/2011	IP 7111401	Exercise Evaluation	
1	09/26/2011	09/30/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	09/26/2011	09/30/2011	IP 71151	Performance Indicator Verification	

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