



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

March 2, 2006

South Carolina Electric & Gas Company  
ATTN: Mr. Jeffrey B. Archie  
Vice President, Nuclear Operations  
Virgil C. Summer Nuclear Station  
P. O. Box 88  
Jenkinsville, SC 29065

SUBJECT: ANNUAL ASSESSMENT LETTER - VIRGIL C. SUMMER NUCLEAR STATION  
(NRC INSPECTION REPORT 05000395/2006001)

Dear Mr. Archie:

On February 9, 2006, the NRC staff completed their 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 January 1 through December 31, 2005. 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 "Official Use Only - Security-Related Information", will include the physical protection review and resultant inspection plan.

Overall, Virgil C. Nuclear Station 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 for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix. We base this conclusion on the fact that all inspection findings were classified as having very low safety significance (Green) and all PIs indicated 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 includes special inspections of the containment sumps and of the reactor pressure vessel head and head penetration nozzles.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. 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. Although our intent is to maintain the enclosed inspection plan fixed for the first nine months, a need may arise to conduct one or more unanticipated inspections prior to issuing an updated inspection plan with the 2006 assessment cycle mid-cycle letter.

Pkg - ML060610408  
Ltr - ML060610410  
Encl - ML060610412

If an inspection of this type becomes necessary, we will notify you of the planned inspection dates as soon as possible to resolve as much as we can, any scheduling and personnel availability conflicts you may have.

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 me at (404) 562-4510 with any questions you may have regarding this letter or the inspection plan.

Kerry D. Landis, Chief

*/RA/*

Reactor Projects Branch 5  
Division of Reactor Projects

Docket No.: 50-395  
License Nos.: NPR-12

Enclosure: Summer Inspection / Activity Plan

cc w/encl: (See page 3)

SCE&G

3

cc w/encl:  
R. J. White  
Nuclear Coordinator Mail Code 802  
S.C. Public Service Authority  
Virgil C. Summer Nuclear Station  
Electronic Mail Distribution

Institute of Nuclear Power Operations  
700 Galleria Parkway  
Atlanta, GA 30339-5957

Kathryn M. Sutton, Esq.  
Morgan, Lewis & Bockius LLP  
Electronic Mail Distribution

Henry J. Porter, Director  
Div. of Radioactive Waste Mgmt.  
Dept. of Health and Environmental  
Control  
Electronic Mail Distribution

R. Mike Gandy  
Division of Radioactive Waste Mgmt.  
S. C. Department of Health and  
Environmental Control  
Electronic Mail Distribution

Robert G. Sweet, Manager  
Nuclear Licensing (Mail Code 830)  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
Electronic Mail Distribution

Robert M. Fowlkes, General Manager  
Engineering Services  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
Electronic Mail Distribution

Thomas D. Gatlin, General Manager  
Nuclear Plant Operations (Mail Code 303)  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
Electronic Mail Distribution

David A. Lavigne, General Manager  
Organization Development  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
Electronic Mail Distribution

**Summer**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>4</b>			
1	IP 71152B	Identification and Resolution of Problems		03/13/2006	03/17/2006	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		03/27/2006	03/31/2006	Baseline Inspections
	<b>EB1-CDB</b>	<b>- COMPONENT DESIGN BASES INSPECTION</b>	<b>5</b>			
1	IP 7111121	Component Design Bases Inspection		05/08/2006	05/12/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		05/22/2006	05/26/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		06/05/2006	06/09/2006	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		06/19/2006	06/23/2006	Baseline Inspections
	<b>PS2-EP</b>	<b>- EP INSP</b>	<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		07/31/2006	08/04/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		07/31/2006	08/04/2006	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/31/2006	08/04/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		07/31/2006	08/04/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/31/2006	08/04/2006	Baseline Inspections
	<b>OL RQ</b>	<b>- REQUAL INSPECTION</b>	<b>2</b>			
1	IP 7111111B	Licensed Operator Requalification Program		08/21/2006	08/25/2006	Baseline Inspections
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL BASELINE INSP</b>	<b>2</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/09/2006	10/13/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/09/2006	10/13/2006	Baseline Inspections
	<b>EB3-ISI</b>	<b>- INSERVICE INSPECTION</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/16/2006	10/20/2006	Baseline Inspections
	<b>EB3TI150</b>	<b>- 2515/150 RPV &amp; VHP NOZZLE</b>	<b>1</b>			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		10/16/2006	10/19/2006	Safety Issues
	<b>EB1-SUMP</b>	<b>- PWR CONTAINMENT SUMP BLOCKAGE TI</b>	<b>1</b>			
1	IP 71111	Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity		11/05/2006	11/10/2006	Baseline Inspections
	<b>TFP</b>	<b>- TFP INFO TRIP</b>	<b>4</b>			
1	IP 7111105T	Fire Protection [Triennial]		02/27/2007	03/01/2007	Baseline Inspections
	<b>TFP</b>	<b>- TRIENNIAL FIRE PROTECTION</b>	<b>4</b>			
1	IP 7111105T	Fire Protection [Triennial]		03/19/2007	03/23/2007	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		04/02/2007	04/06/2007	Baseline Inspections
	<b>OL PREP</b>	<b>- INITIAL EXAM PREP</b>	<b>3</b>			
1	V23249	SUMMER/DECEMBER 2005 EXAM AT POWER FACILITIES		05/14/2007	05/18/2007	Not Applicable
	<b>OL EXAM</b>	<b>- INITIAL EXAM</b>	<b>3</b>			
1	V23249	SUMMER/DECEMBER 2005 EXAM AT POWER FACILITIES		06/04/2007	06/08/2007	Not Applicable

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

Enclosure

**Summer**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PSB1-RP - RP OCCUPATIONAL PRE-INSP VISIT</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/25/2007	06/29/2007	Baseline Inspections
	<b>EB3-HS - HEAT SINK</b>		<b>1</b>			
1	IP 7111107B	Heat Sink Performance		07/23/2007	07/27/2007	Baseline Inspections
	<b>PSB1-RP - RP OCCUPATIONAL BASELINE INSP</b>		<b>3</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/23/2007	07/27/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		07/23/2007	07/27/2007	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		07/23/2007	07/27/2007	Baseline Inspections
1	IP 71151	Performance Indicator Verification		07/23/2007	07/27/2007	Baseline Inspections