



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

March 4, 2015

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR VIRGIL C. SUMMER NUCLEAR  
STATION, UNIT 1 – REPORT 05000395/2014001**

Dear Mr. Gatlin:

On February 12, 2015, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Virgil C. Summer Nuclear Station, Unit 1. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1 through December 31, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Virgil C. Summer Nuclear Station, Unit 1 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Virgil C. Summer Nuclear Station, Unit 1 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

Additionally, the NRC plans on conducting one non-ROP baseline inspection which includes Operating License Initial Exam.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation" is ongoing for various sites. The audit includes an onsite visit for the NRC staff to evaluate mitigating strategies as described in the licensee submittals, and to receive and review information relative to associated open items. This onsite audit will occur prior to the first unit at the site achieving compliance with the Orders and the audit will aid NRC staff in developing a final Safety Evaluation for the site. The audit at your site has been scheduled for the week of July 13, 2015. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 404-997-4609 with any questions you may have regarding this letter.

Sincerely,

*/RA/*

Steven D. Rose, Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

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

Enclosure: Virgil C. Summer Inspection/Activity Plan  
(03/01/2015 – 06/30/2016)

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Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation" is ongoing for various sites. The audit includes an onsite visit for the NRC staff to evaluate mitigating strategies as described in the licensee submittals, and to receive and review information relative to associated open items. This onsite audit will occur prior to the first unit at the site achieving compliance with the Orders and the audit will aid NRC staff in developing a final Safety Evaluation for the site. The audit at your site has been scheduled for the week of July 13, 2015. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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(03/01/2015 – 06/30/2016)

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PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
ADAMS:  Yes      ACCESSION NUMBER: \_\_\_\_\_       SUNSI REVIEW COMPLETE       FORM 665 ATTACHED

OFFICE	DRP:RII	DRP:RII	DRP:RII				
SIGNATURE	BDB3	SON	SDR2				
NAME	B. Bishop	S. Ninh	S. Rose				
DATE	2/27/2015	2/17/2015	3/02/2015				
E-MAIL COPY?	YES NO	YES NO	<u>YES</u> NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2014\END OF CYCLE\INPUT\RPB5\SUMMER\SUM EOC LETTER 2014.DOCX

T. Gatlin

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Letter to Thomas D. Gatlin from Steven D. Rose dated March 4, 2015.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VIRGIL C. SUMMER NUCLEAR  
STATION, UNIT 1 – REPORT 05000395/2014001

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Institute of Nuclear Power Operations (INPO)

**Summer**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
1	04/06/2015	04/10/2015	V23453	SUMMER U1/MAY 2015 INITIAL EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL LICENSE EXAM</b>		<b>3</b>
1	05/04/2015	05/15/2015	V23453	SUMMER U1/MAY 2015 INITIAL EXAM AT POWER FACILITIES	
			<b>RP - RP PUBLIC RAD SAFETY BASELINE</b>		<b>3</b>
1	07/27/2015	07/31/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/27/2015	07/31/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1	07/27/2015	07/31/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	07/27/2015	07/31/2015	IP 71151	Performance Indicator Verification	
			<b>OL RQ - REQUAL INSP</b>		<b>2</b>
1	08/10/2015	08/14/2015	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP - EP EXERCISE</b>		<b>7</b>
1	09/21/2015	09/25/2015	IP 7111401	Exercise Evaluation	
1	09/21/2015	09/25/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	09/21/2015	09/25/2015	IP 71151	Performance Indicator Verification	
			<b>RP - RP RAD HAZARDS ASSESSMENT</b>		<b>1</b>
1	10/05/2015	10/09/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>ISI - UNIT 1 IN-SERVICE INSPECTION</b>		<b>1</b>
1	10/12/2015	10/16/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>MODS - PLANT MODIFICATIONS INSPECTION</b>		<b>3</b>
1	05/02/2016	05/06/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1	05/16/2016	05/20/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
1	05/09/2016	05/13/2016	V23471	SUMMER U1/JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL LICENSE EXAM</b>		<b>3</b>
1	06/06/2016	06/10/2016	V23471	SUMMER U1/JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>HS - TRIENNIAL HEAT SINK PERFORMANCE</b>		<b>1</b>
1	06/20/2016	06/24/2016	IP 7111107T	Heat Sink Performance	

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

Enclosure