



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

March 1, 2017

Mr. George A. Lippard, III
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 05000395/2016006**

Dear Mr. Lippard:

The NRC has completed its end-of-cycle performance assessment of Virgil C. Summer Nuclear Station, Unit 1, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2016 through December 31, 2016. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Virgil C. Summer Nuclear Station, Unit 1, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

From January 1, to December 31, 2016, the NRC issued one Severity Level (SL) IV Cited Violation and three SL IV non-cited violations (NCV) of traditional enforcement process associated with impeding the regulatory process. Specifically, these violations were issued for failure to provide the complete information in the NFPA-805 licensee submittal request amendment and correct the issues. Therefore, the NRC plans to conduct Inspection Procedure 92723, Follow Up Inspection, for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period, to follow-up on these violations.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. 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 the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

G. Lippard

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Additionally, the NRC plans on conducting three non-ROP baseline inspections which include IP 71007 Reactor Vessel Head Replacement Inspection, an initial license exam, and TI-191 (Inspection of Mitigating Strategies and Spent Fuel Instrumentation Orders).

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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).

Please contact me at 404-997-4465 with any questions you may have regarding this letter.

Sincerely,

/RA/

Anthony D. Masters, Chief
Reactor Projects Branch 5
Division of Reactor Projects

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

Enclosure:
Virgil C. Summer Inspection / Activity Plan
(03/01/2017 – 12/31/2018)

cc Distribution via ListServ

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Summer
Inspection / Activity Plan
03/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISI	- UNIT 1 IN-SERVICE INSPECTION	1
1	04/17/2017	04/21/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			RP	- RP OCCUPATIONAL INSPECTION WEEK 1	3
1	04/17/2017	04/21/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/17/2017	04/21/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/17/2017	04/21/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/17/2017	04/21/2017	IP 71124.04	Occupational Dose Assessment	
1	04/17/2017	04/21/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1	04/17/2017	04/21/2017	IP 71151	Performance Indicator Verification	
			RVH	- RPVH REPLACEMENT INSPECTION	3
1	04/17/2017	04/21/2017	IP 71007	Reactor Vessel Head Replacement Inspection	
1	04/24/2017	04/28/2017	IP 71007	Reactor Vessel Head Replacement Inspection	
1	05/01/2017	05/05/2017	IP 71007	Reactor Vessel Head Replacement Inspection	
			RP	- RP OCCUPATIONAL INSPECTION WEEK 2	2
1	05/15/2017	05/19/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/15/2017	05/19/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/15/2017	05/19/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/15/2017	05/19/2017	IP 71124.04	Occupational Dose Assessment	
1	05/15/2017	05/19/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/15/2017	05/19/2017	IP 71151	Performance Indicator Verification	
			TI-191	- MITIGATING STRATEGIES	3
1	06/19/2017	06/23/2017	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			OL RQ	- REQUAL INSPECTION	2
1	08/14/2017	08/18/2017	IP 7111111B	Licensed Operator Requalification Program	
			OL EXAM	- INITIAL LICENSE EXAM PREP	3
1	08/28/2017	09/01/2017	V23499	SUMMER U1/SEPTEMBER 2017 INITIAL EXAM AT POWER FACILLITIES	
			DBAI	- DESIGN BASES ASSURANCE INSPECTION (TEAM)	7
1	09/11/2017	09/15/2017	IP 7111121M	Component Design Bases Inspection (Teams)	
1	10/02/2017	10/06/2017	IP 7111121M	Component Design Bases Inspection (Teams)	
1	10/23/2017	10/27/2017	IP 7111121M	Component Design Bases Inspection (Teams)	
			OL EXAM	- INITIAL LICENSE EXAM	3
1	09/18/2017	09/22/2017	V23499	SUMMER U1/SEPTEMBER 2017 INITIAL EXAM AT POWER FACILLITIES	

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

Enclosure

Summer
Inspection / Activity Plan
03/01/2017 - 12/31/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
EP - EP EXERCISE					3
1	10/30/2017	11/03/2017	IP 7111401	Exercise Evaluation	
1	10/30/2017	11/03/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	10/30/2017	11/03/2017	IP 7111408	Exercise Evaluation – Scenario Review	
1	10/30/2017	11/03/2017	IP 71151	Performance Indicator Verification	
EQI - DESIGN BASES ASSURANCE INSPECTION (PROGR					3
1	01/08/2018	01/12/2018	IP 7111121N	Component Design Bases Inspection (Programs)	
1	01/29/2018	02/02/2018	IP 7111121N	Component Design Bases Inspection (Programs)	
1	02/12/2018	02/16/2018	IP 7111121N	Component Design Bases Inspection (Programs)	
OL EXAM - INITIAL LICENSE EXAM PREP					3
1	05/07/2018	05/11/2018	V23513	SUMMER U1/JUNE 2018 INITIAL EXAM AT POWER FACILITIES	
OL EXAM - INITIAL LICENSE EXAM					3
1	06/04/2018	06/08/2018	V23513	SUMMER U1/JUNE 2018 INITIAL EXAM AT POWER FACILITIES	
RP - RP PUBLIC INSPECTION					2
1	07/23/2018	07/27/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/23/2018	07/27/2018	IP 71124.07	Radiological Environmental Monitoring Program	
1	07/23/2018	07/27/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	07/23/2018	07/27/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
EP - EP PROGRAM INSPECTION					4
1	08/27/2018	08/31/2018	IP 7111402	Alert and Notification System Testing	
1	08/27/2018	08/31/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	08/27/2018	08/31/2018	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	08/27/2018	08/31/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	08/27/2018	08/31/2018	IP 71151-EP01	Drill/Exercise Performance	
1	08/27/2018	08/31/2018	IP 71151-EP02	ERO Readiness	
1	08/27/2018	08/31/2018	IP 71151-EP03	Alert & Notification System Reliability	
PI&R - PROBLEM IDENTIFICATION AND RESOLUTION					4
1	09/10/2018	09/14/2018	IP 71152B	Problem Identification and Resolution	
1	09/24/2018	09/28/2018	IP 71152B	Problem Identification and Resolution	
ISI - UNIT 1 IN-SERVICE INSPECTION					1
1	10/15/2018	10/19/2018	IP 7111108P	Inservice Inspection Activities - PWR	
SGISI - UNIT 1 SG IN-SERVICE INSPECTION					1
1	10/22/2018	10/26/2018	IP 7111108P	Inservice Inspection Activities - PWR	

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Summer
Inspection / Activity Plan
03/01/2017 - 12/31/2018

Unit Number	Planned Dates Start End		Inspection Activity	Title	No. of Staff on Site
RP - RAD HAZARD AND TRANSPORTATION					
1	11/05/2018	11/09/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	2
1	11/05/2018	11/09/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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