



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200  
ATLANTA, GEORGIA 30303-1200

March 4, 2019

Mr. George A. Lippard III  
Vice President, Nuclear Operations  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
Bradham Blvd & Hwy 215  
P.O. Box 88, Mail Code 800  
Jenkinsville, SC 29065

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VIRGIL C. SUMMER NUCLEAR  
STATION, UNIT 1 – REPORT 05000395/2018006, REPORT  
05000395/2018402, REPORT 05000395/2018501

Dear Mr. Lippard:

The Nuclear Regulatory Commission (NRC) 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, 2018 through December 31, 2018. 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2020. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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. You should be aware that the agency has proposed changes regarding engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections") and is drafting proposed changes to the ROP for Commission consideration. Should the Commission approve changes to the ROP, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last 12 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.

The NRC will be in contact with your staff to schedule completion of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated With the

Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)." The NRC intends to complete this inspection in 2019.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me at 404-997-4603 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Randall A. Musser, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Docket Nos.: 50-395  
License Nos.: NPF-12

Enclosure:  
Summer Inspection/Activity Plan  
(03/01/2019 – 12/31/2020)

cc Distribution via ListServ

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Institute of Nuclear Power Operations (INPO)

**ADAMS Accession No. ML19063A789**

OFFICE	RII:DRP	RII:DRP	RII:DRP		
NAME	RTaylor	AWilson	RMusser		
DATA	2/26/2019	2/26/2019	2/27/2019		

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# IP 22 Inspection Activity Plan Report

## Summer

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						4
1	05/06/2019	05/10/2019	IP 71152B	000747	Problem Identification and Resolution	
1	05/20/2019	05/24/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>TRIENNIAL HEAT SINK PERFORMANCE</b>						1
1	06/24/2019	06/28/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>SUMMER REQUAL INSPECTION</b>						2
1	08/05/2019	08/09/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
<b>SECURITY BASELINE INSPECTION</b>						1
1	08/12/2019	08/16/2019	IP 71130.02	000734	Access Control	
1	08/12/2019	08/16/2019	IP 71151	001338	Performance Indicator Verification	
<b>RP OCCUPATIONAL &amp; PUBLIC RAD SAFETY RAD HAZARDS &amp; TRANSPORTATION BASELINE INSPECTION</b>						4
1	08/19/2019	08/23/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	08/19/2019	08/23/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/19/2019	08/23/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	08/19/2019	08/23/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						6
1	08/26/2019	08/30/2019	IP 71114.01	000716	Exercise Evaluation	
1	08/26/2019	08/30/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	08/26/2019	08/30/2019	IP 71151	001397	Performance Indicator Verification	
<b>NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1	09/16/2019	09/20/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1	09/30/2019	10/04/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>SUMMER INITIAL LICENSE EXAM</b>						3
1	10/28/2019	11/01/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	12/09/2019	12/13/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	

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

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## Summer

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EVALUATIONS OF CHANGES, TESTS AND EXPERIMENTS</b>						3
1	11/04/2019	11/08/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>SECURITY BASELINE INSPECTION</b>						2
1	11/18/2019	11/22/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	11/18/2019	11/22/2019	IP 71130.07	000739	Security Training	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE</b>						6
1	02/03/2020	02/08/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	02/24/2020	02/28/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>UNIT 1 IN-SERVICE/SG IN-SERVICE INSPECTION</b>						2
1	04/13/2020	04/17/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1</b>						3
1	04/13/2020	04/17/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/13/2020	04/17/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/13/2020	04/17/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/13/2020	04/17/2020	IP 71124.04	000728	Occupational Dose Assessment	
1	04/13/2020	04/17/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2</b>						2
1	04/27/2020	05/01/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/27/2020	05/01/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/27/2020	05/01/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/27/2020	05/01/2020	IP 71124.04	000728	Occupational Dose Assessment	
1	04/27/2020	05/01/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>SECURITY BASELINE INSPECTION</b>						3
1	09/14/2020	09/18/2020	IP 71130.01	000733	Access Authorization	
1	09/14/2020	09/18/2020	IP 71130.02	000734	Access Control	
1	09/14/2020	09/18/2020	IP 71130.06	000738	Protection of Safeguards Information	
1	09/14/2020	09/18/2020	IP 71130.08	000740	Fitness For Duty Program	
1	09/14/2020	09/18/2020	IP 71151	001338	Performance Indicator Verification	

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## Summer

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>						6
1	10/26/2020	10/30/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	11/16/2020	11/20/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	