



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

February 28, 2018

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR VIRGIL C. SUMMER NUCLEAR  
STATION, UNIT 1 – REPORT 05000395/2017006, REPORT  
05000395/2017402, REPORT 05000395/2017501**

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, 2017 through December 31, 2017. 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, 2019. 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. 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 perform Temporary Instruction (TI) 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

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 404-997-4603 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  
(03/01/2018 – 12/31/2019)

cc Distribution via ListServ

G. Lippard

3

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – REPORT 05000395/2017006, REPORT 05000395/2017402, REPORT 05000395/2017501 February 28, 2018

**DISTRIBUTION:**

M. Kowal, RII  
K. Sloan, RII  
OE MAIL  
RIDSNNRRDIRS  
PUBLIC  
RidsNrrPMSummer Resource  
ROPassessment.Resource  
ROPreports Resource  
Institute of Nuclear Power Operations (INPO)

**ADAMS Accession No. ML18059A203**

OFFICE	RII:DRP	RII:DRP			
NAME	LPressley	RMusser			
DATA	2/21/2018	2/22/2018			

OFFICAL RECORD COPY

# IP 22 Inspection Activity Plan Report

## Summer

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>MITIGATING STRATEGIES</b>						4
1	03/05/2018	03/09/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
<b>SECURITY BASELINE INSPECTION</b>						3
1	05/06/2018	05/11/2018	IP 71130.02	000734	Access Control	
1	05/06/2018	05/11/2018	IP 71130.05	000737	Protective Strategy Evaluation	
1	05/06/2018	05/11/2018	IP 71151	001338	Performance Indicator Verification	
<b>SUMMER INITIAL LICENSE EXAM</b>						3
1	05/07/2018	05/11/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	06/04/2018	06/08/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>TARGET SET</b>						1
1	06/18/2018	06/22/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>EP PROGRAM INSPECTION</b>						2
1	08/27/2018	08/31/2018	IP 71114.02	000717	Alert and Notification System Testing	
1	08/27/2018	08/31/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	08/27/2018	08/31/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	08/27/2018	08/31/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	08/27/2018	08/31/2018	IP 71151	001397	Performance Indicator Verification	
<b>UNIT 1 IN-SERVICE INSPECTION</b>						1
1	10/15/2018	10/19/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>UNIT 1 SG IN-SERVICE INSPECTION</b>						1
1	10/15/2018	10/19/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>CYBER SECURITY</b>						5
1	10/22/2018	10/26/2018	IP 71130.10P	000741	Cyber Security	
1	11/05/2018	11/09/2018	IP 71130.10P	000741	Cyber Security	

# IP 22 Inspection Activity Plan Report

<b>RP OCCUPATIONAL WEEK 1</b>						3
1	10/22/2018	10/26/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	10/22/2018	10/26/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	10/22/2018	10/26/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/22/2018	10/26/2018	IP 71124.04	000728	Occupational Dose Assessment	
1	10/22/2018	10/26/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	10/22/2018	10/26/2018	IP 71151	000746	Performance Indicator Verification	
<b>RP OCCUPATIONAL WEEK 2</b>						2
1	11/05/2018	11/09/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/05/2018	11/09/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	11/05/2018	11/09/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/05/2018	11/09/2018	IP 71124.04	000728	Occupational Dose Assessment	
1	11/05/2018	11/09/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	11/05/2018	11/09/2018	IP 71151	000746	Performance Indicator Verification	
<b>EP EXERCISE INSPECTION</b>						1
1	03/25/2019	03/29/2019	IP 71114.01	000716	Exercise Evaluation	
1	03/25/2019	03/29/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	03/25/2019	03/29/2019	IP 71114.08	000723	Exercise Evaluation Scenario Review	
1	03/25/2019	03/29/2019	IP 71151	001397	Performance Indicator Verification	
<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	

# IP 22 Inspection Activity Plan Report

<b>RP RADHAZARD &amp; PUBLIC</b>						<b>4</b>
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	
1	08/19/2019	08/23/2019	IP 71151	000746	Performance Indicator Verification	
<b>NFPA 805 TFPI</b>						<b>1</b>
1	08/26/2019	08/30/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1	09/09/2019	09/13/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>SUMMER INITIAL LICENSE EXAM</b>						<b>3</b>
1	09/30/2019	10/04/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	11/04/2019	11/08/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EVALUATIONS OF CHANGES, TESTS AND EXPERIMENTS</b>						<b>3</b>
1	11/04/2019	11/08/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>SECURITY BASELINE INSPECTION</b>						<b>2</b>
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	