



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

March 4, 2014

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 05000395/2013001**

Dear Mr. Gatlin:

On February 19, 2014, 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, 2013. 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, 2015. 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 three non-ROP baseline inspections which include Temporary Instruction (TI) 2515/182, Review of Implementation of the Industry Initiative to Control Degradation of Underground Piping – Phase 2, TI-189, Inspection to Determine Compliance of Dynamic Restraint (Snubber) Program with 10 CFR 50.55a, and Independent Spent Fuel Storage Installation (ISFSI) Pad Construction.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

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 404-997-4511 with any questions you may have regarding this letter.

Sincerely,

/RA/

Michael F. King, Chief
Reactor Projects Branch 5
Division of Reactor Projects

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

Enclosure: Virgil C. Summer Inspection/Activity Plan
(03/01/2014 – 06/30/2015)

T. Gatlin

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As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

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☒ PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: _____

☒ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

| | | | | | | | |
|--------------|------------|------------|------------|----------|----------|----------|----------|
| OFFICE | RII:DRP | RII:DRP | RII:DRP | | | | |
| SIGNATURE | SON /RA/ | Via email | MFK /RA/ | | | | |
| NAME | SNinh | JReece | MKing | | | | |
| DATE | 02/27/2014 | 03/03/2014 | 03/04/2014 | | | | |
| E-MAIL COPY? | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO |

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2013\END OF CYCLE\INPUT\ADMIN ASSIST WORKING FOLDER\SUMMER 2013 EOC LETTER.DOCX

T. Gatlin

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Letter to Thomas D. Gatlin from Michael F. King dated March 4, 2014

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VIRGIL C. SUMMER NUCLEAR
STATION, UNIT 1 – REPORT 05000395/2013001

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Institute of Nuclear Power Operations (INPO)

ROP Assessment

Summer

Inspection / Activity Plan

03/01/2014 - 06/30/2015

| Unit Number | Planned Dates Start End | Inspection Activity | Title | No. of Staff on Site |
|-------------|----------------------------|---------------------|--|-------------------------|
| 1 | 03/03/2014 03/05/2014 | TI-182 | - TI-182 BURIED PIPING/TANK - PHASE 2 | 1 |
| | | IP 2515/182 | Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping | |
| 1 | 04/07/2014 04/11/2014 | RP | - RP OCCUPATIONAL BASELINE WEEK 1 | 3 |
| | | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 04/07/2014 04/11/2014 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 1 | 04/07/2014 04/11/2014 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1 | 04/07/2014 04/11/2014 | IP 71124.04 | Occupational Dose Assessment | |
| 1 | 04/07/2014 04/11/2014 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| 1 | 04/07/2014 04/11/2014 | IP 71151 | Performance Indicator Verification | |
| 1 | 04/14/2014 04/18/2014 | ISI | - UNIT 1 IN-SERVICE INSPECTION | 1 |
| | | IP 7111108P | Inservice Inspection Activities - PWR | |
| 1 | 04/21/2014 04/25/2014 | RP | - RP OCCUPATIONAL BASELINE WEEK 2 | 2 |
| | | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 04/21/2014 04/25/2014 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 1 | 04/21/2014 04/25/2014 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 1 | 04/21/2014 04/25/2014 | IP 71124.04 | Occupational Dose Assessment | |
| 1 | 04/21/2014 04/25/2014 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| 1 | 04/21/2014 04/25/2014 | IP 71151 | Performance Indicator Verification | |
| 1 | 04/21/2014 04/25/2014 | SGISI | - UNIT 1 SG IN-SERVICE INSPECTION | 2 |
| | | IP 7111108P | Inservice Inspection Activities - PWR | |
| 1 | 04/21/2014 04/25/2014 | TI-189 | - TI-189 DYNAMIC RESTRAINT PROGRAM | 1 |
| | | IP 2515/189 | Inspection to Determine Compliance of Dynamic Restraint (Snubber) Program with 10 CFR 50.55a | |
| 1 | 07/28/2014 08/01/2014 | ISFSI | - ISFSI PAD CONSTRUCTION | 1 |
| | | IP 60853 | On-Site Fabrication Of Components And Construction On An ISFSI | |
| 1 | 08/04/2014 08/08/2014 | PI&R | - PROBLEM IDENTIFICATION AND RESOLUTION | 5 |
| | | IP 71152B | Problem Identification and Resolution | |
| 1 | 08/18/2014 08/22/2014 | IP 71152B | Problem Identification and Resolution | |
| 1 | 09/08/2014 09/12/2014 | EP | - EP PROGRAM INSPECTION | 3 |
| | | IP 7111402 | Alert and Notification System Testing | |
| 1 | 09/08/2014 09/12/2014 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 1 | 09/08/2014 09/12/2014 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| 1 | 09/08/2014 09/12/2014 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 1 | 09/08/2014 09/12/2014 | IP 71151 | Performance Indicator Verification | |

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Enclosure

Summer
Inspection / Activity Plan
03/01/2014 - 06/30/2015

| Unit Number | Planned Dates Start End | Inspection Activity | Title | No. of Staff on Site |
|-------------|----------------------------|---------------------|-------|-------------------------|
|-------------|----------------------------|---------------------|-------|-------------------------|

| | | | | | |
|-------------------------------------|------------|------------|-------------|-----------------------------------|---|
| - COMPONENT DESIGN BASES INSPECTION | | | | | 6 |
| | CDBI | | | | |
| 1 | 09/15/2014 | 09/19/2014 | IP 7111121 | Component Design Bases Inspection | |
| 1 | 10/06/2014 | 10/10/2014 | IP 7111121 | Component Design Bases Inspection | |
| 1 | 10/20/2014 | 10/24/2014 | IP 7111121 | Component Design Bases Inspection | |
| 1 | 11/03/2014 | 11/07/2014 | IP 7111121 | Component Design Bases Inspection | |
| - TRIENNIAL FIRE PROTECTION INSP | | | | | 4 |
| | TFPI | | | | |
| 1 | 04/20/2015 | 04/24/2015 | IP 7111105T | Fire Protection [Triennial] | |
| 1 | 05/04/2015 | 05/08/2015 | IP 7111105T | Fire Protection [Triennial] | |