



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**

245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

June 28, 2016

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: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – NOTIFICATION OF
INSPECTION AND REQUEST FOR INFORMATION FOR NRC PROBLEM
IDENTIFICATION AND RESOLUTION INSPECTION**

Dear Mr. Lippard:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a problem identification and resolution (PI&R) inspection at your Virgil C. Summer Nuclear Station, Unit 1 during the weeks of August 29 – September 02 and September 12 – 16, 2016. The inspection team will be led by Necota Staples, a Senior Project Inspector, from the NRC's Region II office. This inspection will be conducted in accordance with the baseline inspection procedure (IP) 71152, Problem Identification and Resolution, issued on February 26, 2015.

The biennial PI&R inspection and assessment of the licensee's corrective action program (CAP) complements and expands upon the resident baseline inspections of routine daily screening of all corrective action program issues, quarterly focused issue reviews, and semiannual trend PI&R reviews.

On June 09, 2016, Mr. Staples confirmed with Mr. Michael Moore of your staff the arrangements for the 2-week onsite inspection.

The Enclosure lists documents that will be needed prior to the inspection. Please have the referenced information available no later than July 26, 2016. Contact Mr. Staples with any questions concerning the requested information. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

If additional documents are needed, they will be requested when identified. Prior to the onsite inspection, Mr. Staples will discuss with your staff the following inspection support administrative details: availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection; method of tracking inspector requests during

the inspection; access to licensee computers; working space; arrangements for site access; and other applicable information.

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, 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 Documents Access Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, under control number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement, unless the requesting document displays a currently valid Office of Management and Budget control number.

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Staples at 404-997-4644.

Sincerely,

/RA/

Anthony D. Masters, Chief
Reactor Projects Branch 7
Division of Reactor Projects

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

Enclosure:
Information Request for Virgil C. Summer
Nuclear Station, Unit 1 Problem Identification and
Resolution Inspection

cc: Distribution via Listserv

the inspection; access to licensee computers; working space; arrangements for site access; and other applicable information.

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, 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 Documents Access Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, under control number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement, unless the requesting document displays a currently valid Office of Management and Budget control number.

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Staples at 404-997-4644.

Sincerely,

/RA/

Anthony D. Masters, Chief
Reactor Projects Branch 7
Division of Reactor Projects

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

Enclosure:
Information Request for Virgil C. Summer
Nuclear Station, Unit 1 Problem Identification and
Resolution Inspection

cc: Distribution via Listserv

☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: ML16180A209 ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	NLS2	ADM2					
NAME	N. Staples	A. Masters					
DATE	6/27/2016	6/27/2016					
E-MAIL COPY	YES NO	YES NO					

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\RPB7\PI&R\NOTIFICATION LETTERS\SUMMER NOTIFICATION LETTER 2016.DOCX

Letter to George A. Lippard from Anthony D. Masters dated June 28, 2016.

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – NOTIFICATION OF
INSPECTION AND REQUEST FOR INFORMATION FOR NRC PROBLEM
IDENTIFICATION AND RESOLUTION INSPECTION

DISTRIBUTION:

A. Masters, RII, BC
S. Ninh, RII, SR PE
J. Reece, RII, SRI
E. Coffman, RII, RI
N. Staples, RII, SPI
S. Price, RII, EICS
L. Gibson, RII EICS
RIDSNNRRDIRS
PUBLIC
RidsNrrPMSummer Resource

**INFORMATION REQUEST FOR VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1
PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION (August 29 – September 02,
and September 12 – 16, 2016)**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since October 1, 2014. Please provide the requested documents in electronic format. If the information is not available in electronic format, please contact the inspection team leader to coordinate other available methods to provide the information.

1. Copies of the corporate and site level procedures and sub-tier procedures associated with the corrective action program (CAP). This should include procedures related to:
 - (a) Corrective action process
 - (b) Cause evaluation
 - (c) Operating experience program
 - (d) Employee concerns program
 - (e) Self-assessment program
 - (f) Maintenance rule program and implementing procedures
 - (g) Operability determination process
 - (h) Degraded/non-conforming condition process (e.g., RIS 2013-20)
 - (i) System health process or equivalent equipment reliability improvement programs
 - (j) Preventive maintenance deferral process

If any of the procedures requested above were revised after October 1, 2014, please provide (or have available) copies of all revisions during the onsite inspection.

2. List of top ten risk-significant systems, top ten risk-significant components for each one of the top ten risk-significant systems, and top ten risk-significant operator manual actions.
3. List of all Condition Reports (CRs) initiated including the following information for each CR:
 - (a) CR Number
 - (b) Brief, but complete problem description
 - (c) Priority or level
 - (d) Affected system
 - (e) Affected component
 - (f) Responsible plant department
 - (g) CR completion status

If possible, provide this list in a format compatible with spreadsheet software (example shown below).

CR #	Problem	Priority	System	Component	Org	Status
CRXXX	"A" RHR Pump failed flow criteria per SR 5.0.5.4	2	RHR	2-RHR-PMP-A	ENG	Open

Enclosure

4. List of outstanding corrective actions including the following information for each action:

- (a) Corrective action number
- (b) Corrective action type (e.g., corrective action to prevent recurrence, enhancement, maintenance rule evaluation, etc.)
- (c) Brief, but complete corrective action description
- (d) Associated CR number
- (e) Corrective action initiation date
- (f) Number of extensions
- (g) Corrective action due date
- (h) Completion status

If possible, provide this list in a format compatible with spreadsheet software (example shown below).

Corrective Action #	Type	Description	CR	Initiation Date	Extensions	Due Date	Status
001	CAPR	Revise Procedure NGK-003-4585	CR0058	01/05/14	2	06/15/14	Awaiting CARB review

- 5. List of control room deficiencies with a brief description and corresponding CR and/or work order (WO) number.
- 6. List of operator workarounds and operator burdens with a brief description and corresponding CR number.
- 7. List of all currently extended CRs or overdue, sorted by initiation date, with the following information:
 - a) CR number
 - b) Priority or Significance
 - c) CR title and short description
- 8. List of all CRs that have been voided or cancelled. Please provide the following information for each CR:
 - a) CR number
 - b) Brief, but complete problem description
 - c) Reason voided, cancelled, or deleted
- 9. List of all structures, systems, and components (SSCs) that were classified as (a)(1) in accordance with the Maintenance Rule since October 1, 2014. Please include the following information for each system in (a)(1):
 - (a) Date of classification in (a)(1)
 - (b) Reason for being placed in (a)(1)
 - (c) Planned actions and their status

Enclosure

10. List of Maintenance Preventable Functional Failures (MPFF) of risk significant systems. Please include actions completed and current status.
11. List of corrective maintenance work orders. Please include the following information for each work order:
 - (a) WO number
 - (b) Brief, but complete work description
 - (c) Affected system and components
 - (c) Date of initiation
 - (d) Date of completion (if completed)

If possible, provide this list in a format compatible with spreadsheet software (example shown below)

Work Order #	Description	System	Component	Initiation Date	Due Date	Status
WO01345	Replace breaker 2A-BKR-08-BB4 for 2A SI Pump.	SI	2A-SI-PMP, BKR-08-BB4	01/05/14	03/15/14	Closed

12. Corrective action closeout packages, including CRs with description of corrective actions, for all NRC findings and Licensee identified violations (LIVs). Please include a cross reference linking NRC Finding numbers and LIVs to appropriate CR numbers.
13. Corrective action closeout packages, including CRs with description of corrective actions, for all licensee event reports (LERs) issued. Please include a cross reference linking LER number to appropriate CR number.
14. List of all NRC generic communications (e.g., Information Notices, Generic Letters, etc.) and industry operating experience (OE) documents (e.g., Part 21 reports, vendor information letters, information from other sites, etc.) evaluated by the site for applicability to the station, regardless of the determination of applicability. Please include the reference number (e.g., CR number) for the documents that evaluated the aforementioned OE information.
15. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the CAP.
16. Copies of all department self-assessments.
17. Copy of the most recent integrated plant trend report, departmental trend report(s), and corrective action trend report, including any human performance and equipment reliability trends.
18. Copy of the latest CAP statistics (if exists) such as the number of CRs initiated by department, human performance errors by department, and others as may be available.

Enclosure

19. Please provide a list of routine meetings involving the CAP to be held while team is onsite.
20. List of CRs related to equipment aging issues in the top ten risk significant systems since October 1, 2011, (e.g., system erosion and/or corrosion problems; electronic component aging or obsolescence of circuit boards, power supplies, relays, environmental qualification). Please provide the following information for each CR:
 - a) CR number
 - b) Priority
 - c) CR problem description
21. If performed, please provide any recent self-assessment of the site safety culture.
22. Copies of CAP documents related to crosscutting issues (human performance, PI&R, and safety conscious work environment) identified via trending, self-assessments, safety review committee or other oversight methods.
23. List of all root cause evaluations with a brief description.
24. Copy of Probabilistic Risk Assessment importance measures report, if available.
25. System Health Reports, system design basis documents, and system description information for the selected systems.