



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

December 16, 2015

Mr. Thomas D. Gatlin
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: VIRGIL C. SUMMER NUCLEAR STATION UNIT 1 – NOTIFICATION
OF INSPECTION AND REQUEST FOR INFORMATION**

Dear Mr. Gatlin:

From January 25 through April 4, 2016, the U.S. Nuclear Regulatory Commission (NRC) will perform an inspection of the independent spent fuel storage installation (ISFSI) Dry Run activities at the Virgil C. Summer Nuclear Station, Unit 1, using NRC Inspection Procedures 60854, 60855, 60856, and 60857. Experience has shown that this inspection is resource-intensive both for the NRC inspectors and your staff. In order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. These documents identify the information which the inspectors will need upon arrival at the site. It is important that all of these documents are up-to-date, and complete, in order to minimize the number of additional documents requested during the preparation, and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Ms. Beth Dalick of your licensing organization. Our inspection dates are subject to change based on changes to your schedule for ISFSI activities. If there are any questions about this inspection or the material requested, please contact the lead inspector, Robert Carrion at 404-997-4522 (Robert.Carrion@nrc.gov).

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390, "Public inspections, exemptions, requests for withholding," of the NRC's "Agency Rules of Practice and Procedure," 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 and Management System (ADAMS); accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Shakur A. Walker, Chief
Engineering Branch 3
Division of Reactor Safety

Docket Nos. 50-395 and 072-1038
License No. NPF-12

Enclosure:
Pre-Inspection Document Request

cc: Distribution via Listserv

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PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE

ADAMS: Yes ACCESSION NUMBER: ML15350A386 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII:DRS/EB3	RII:DRS/EB3					
SIGNATURE	RPC1	SAW4					
NAME	R. Carrion	S. Walker					
DATE	12/ 11 /2015	12/ 16 /2015					
E-MAIL COPY	YES NO	YES NO					

OFFICIAL RECORD COPY

PRE-INSPECTION DOCUMENT REQUEST

Inspection Dates:

January 25–27, 2016 (Monday - Wednesday)
Welding/NDE Demonstration - Dry Run

February 9–12, 2016 (Tuesday - Friday)
MPC Fluid Ops and Cask Drying Operations - Dry Run

March 1–3, 2016 (Tuesday - Thursday)
Outside Pad Operations – Dry Run

March 15–17, 2016 (Tuesday - Thursday)
Wet Operations – Dry Run

March 21–April 4, 2016 (Monday – Monday)
Initial Loading Campaign

Dry Run Demonstration Inspection Procedures:

IP 60854, Preoperational Testing of an Independent Spent Fuel Storage Installation

IP 60856, Review of 10 CFR 72.212(b) Evaluations

IP 60857, Review of 10 CFR 72.48 Evaluations

Initial Loading Campaign:

IP 60855, Operation of an Independent Spent Fuel Storage Installation

The following information should be made available to the Region II office by January 15, 2016, to facilitate the selection of specific items that will be reviewed during the onsite inspection weeks. The inspectors will select specific items from the information requested. We understand that any proprietary information reviewed by the inspectors will be appropriately protected against being released to the public. If the requested documents are large and only hard copy formats are available, please inform the lead inspector, Robert Carrion, and provide the subject documentation during the first day of the onsite inspection. If you have any questions regarding this information request, please call Robert Carrion, as soon as possible.

Information Requested for the In-Office Preparation Week

Updated Schedules for Independent Spent Fuel Storage Installation Activities

Procedures and Programs

Independent Spent Fuel Storage Installation (ISFSI) Operational Procedures (Welding, non-destructive examination (NDE), Loading, De-watering, Backfilling, etc.)

Leak Testing Procedure for Canister

Transient Combustible and Flammable Substances Program

Specifically for welding/NDE:

- Project Specific Welding Implementing Procedures

Enclosure

- Automated Welding System Operations and Maintenance Manual
- Welding Procedure Specifications and associated Procedure Qualifications Record for both manual and automated welding
- Welding Personnel Certifications (for both manual and automated welding)
- Procedure for material control
- Drawings
- NDE Procedures (visual examination procedure, penetrant testing Procedure, etc.)
- NDE Personnel Certifications
- Filler Material Procurement Specifications

ISFSI-Related Evaluations

Fire Hazards Evaluation for ISFSI Cask Hauling and Storage
 Explosion Hazards Evaluations for the ISFSI Cask Hauling and Storage
 Cask Transport Path Evaluation of Buried Components
 50.59 Evaluations for cask system use
 72.212 Evaluation
 72.48 evaluations applicable to Holtec at V.C. Summer
 Safe Load Path Evaluation
 Emergency Preparedness Evaluation related to ISFSI
 Site-Specific Tornado Missile Evaluation for the Holtec HI-STORM 100

Radiation Protection

Procedures for Fuel Assembly Selection
 Radiological Emergency Plan
 Radiation Protection (ALARA) Work Plan for ISFSI-Related Work Activities
 V C Summer ISFSI Dose Rate Evaluation for ISFSI
 Fuel Characterization and Verification Documents

Training and Qualifications

Training Department Lesson Packages for ISFSI
 Personnel Training, Certifications, and Qualification Records

Corrective Action Program

V.C. Summer ISFSI Program Audit
 List of corrective action documents (Condition Reports, etc.) related to ISFSI issues

Audits and Self-Assessments

QA audits for yoke, transfer cask, and any other components related to the ISFSI
 QA self-assessments for ISFSI
 Inspections of ISFSI Lifting Devices, including the spent fuel pool crane, sling, hooks, etc.

Ready access (i.e., copies provided to the inspector to use for the duration of the inspection at the onsite inspection location, or room number and location where available) to applicable editions of the ASME Code and Electric Power Research Institute, and industry standards referenced in the procedures used to perform the ISFSI activities.

Inspector Contact Information:

Robert Carrion
Senior Reactor Inspector
404-997-4522
robert.carrion@nrc.gov

Mailing Address:

US NRC Region II
Attn: Robert Carrion
245 Peachtree Center Avenue NE
Suite 1200
Atlanta, GA 30303

LIST OF ACRONYMS

ALARA	As Low As Reasonably Achievable
ISFSI	Independent Spent Fuel Storage Installation
NDE	Non-destructive Examination