



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

May 3, 2013

Mr. Ronald A. Jones
Vice President, New Nuclear Operations
South Carolina Electric and Gas
P.O. Box 88 (Mail Code P40)
Jenkinsville, SC 29065-0088

SUBJECT: PUBLIC MEETING SUMMARY– CATEGORY 1 – VIRGIL C. SUMMER
NUCLEAR STATION UNITS 2 and 3 ANNUAL ASSESSMENT

Dear Mr. Jones:

On April 17, 2013, the Nuclear Regulatory Commission (NRC) staff met representatives from South Carolina Electric and Gas and members of the public in Blair, South Carolina. The purpose of the meeting was to discuss the annual assessment of Virgil C. Summer Nuclear Station, Units 2 and 3 with the public for the period of January 1, 2012 – December 31, 2012.

A public meeting notice was issued on March 25, 2013, and was posted on the NRC's external (public) web page (ML13084A204). The notice included the meeting agenda, which was also available as a handout at the meeting. Attached is a list of attendees and the slides presented during the meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be made available electronically for public inspection in the NRC Public Document Room or from ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (Public Electronic Reading Room).

Should you have any questions concerning this meeting, please contact me at (404) 997-4540.

Sincerely,

/RA/

Michael Ernstes, Chief
Construction Projects Branch 4
Division of Construction Projects

Docket Nos.: 05200027, 05200028
License Nos.: NPF-93, NPF-94

Enclosures: 1. List of Attendees
2. Construction Inspection Presentation Slides
cc w/encl: (See page 2)

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☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE
ADAMS: ☒ Yes ☐ No ACCESSION NUMBER: ML13123A147 ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

OFFICE	RII: DCP						
SIGNATURE	TCS						
NAME	T. Steadham						
DATE	05/02/2013	5/ /2013	5/ /2013	5/ /2013	5/ /2013	5/ /2013	5/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\CC\DCP\CPB4\PROJECT V C SUMMER\PUBLIC MEETING\APRIL 2013\2013 VCS EOC SUMMARY.DOCX

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Letter to R. Jones from Michael E. Ernstes dated May 3, 2013

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NUCLEAR STATION UNITS 2 and 3 ANNUAL ASSESSMENT

Distribution w/encl:

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PUBLIC

V. C. Summer Units 2 and 3 Construction
2012 Annual Assessment Public Meeting
 April 17, 2013

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Steve Strout	MNES
Michael Nuding	MNES
Patrick [unreadable]	SCANA
Pamela Greenlaw	Public
Mel Jenkins	Public
Florence Belser	South Carolina Office of Regulatory Staff
Joe Wojciki	Public
Debra Pearson	Public
Rhonda O'Banion	SCANA
Robert Guild	Sierra Club
Bill Kedler	Public
Katie Steddenbenz	NRC/DCP
Michael Moore	SCE & G
Jim Brinbley	SCE & G
Garrett Sanders	SCE & G
Erica Knight	SCANA
April Rice	SCANA
Shamieka Sims	The Independent Voice
Bob Williamson	SCE & G
David Solley	SCDHEC
Thomas Fredette	NRC/HQ
Mary Bright	SCDHEC

Name	Company
Steve Crocker	Thomas & Betts Sales Rep.
Allyn Powell	South Carolina Office of Regulatory Staff
Ron Jones	SCE & G
Alan Torres	SCE & G
William Hutchins	Westinghouse
Russell Feaster	Public
Al Paglia	SCE & G
Karl Gross	MNES
C. T. Baucon	CB & I
Jeff Archie	SCANA



V. C. Summer Units 2 & 3

2012 Annual Assessment

April 17, 2013





Purpose of Meeting

- Overview of the NRC Region II Inspection Organization Structure.
- Overview of the Construction Inspection Program for V.C. Summer units 2&3.
- Discuss the NRC's 2012 Annual Assessment of the V.C. Summer units 2 & 3 construction project.

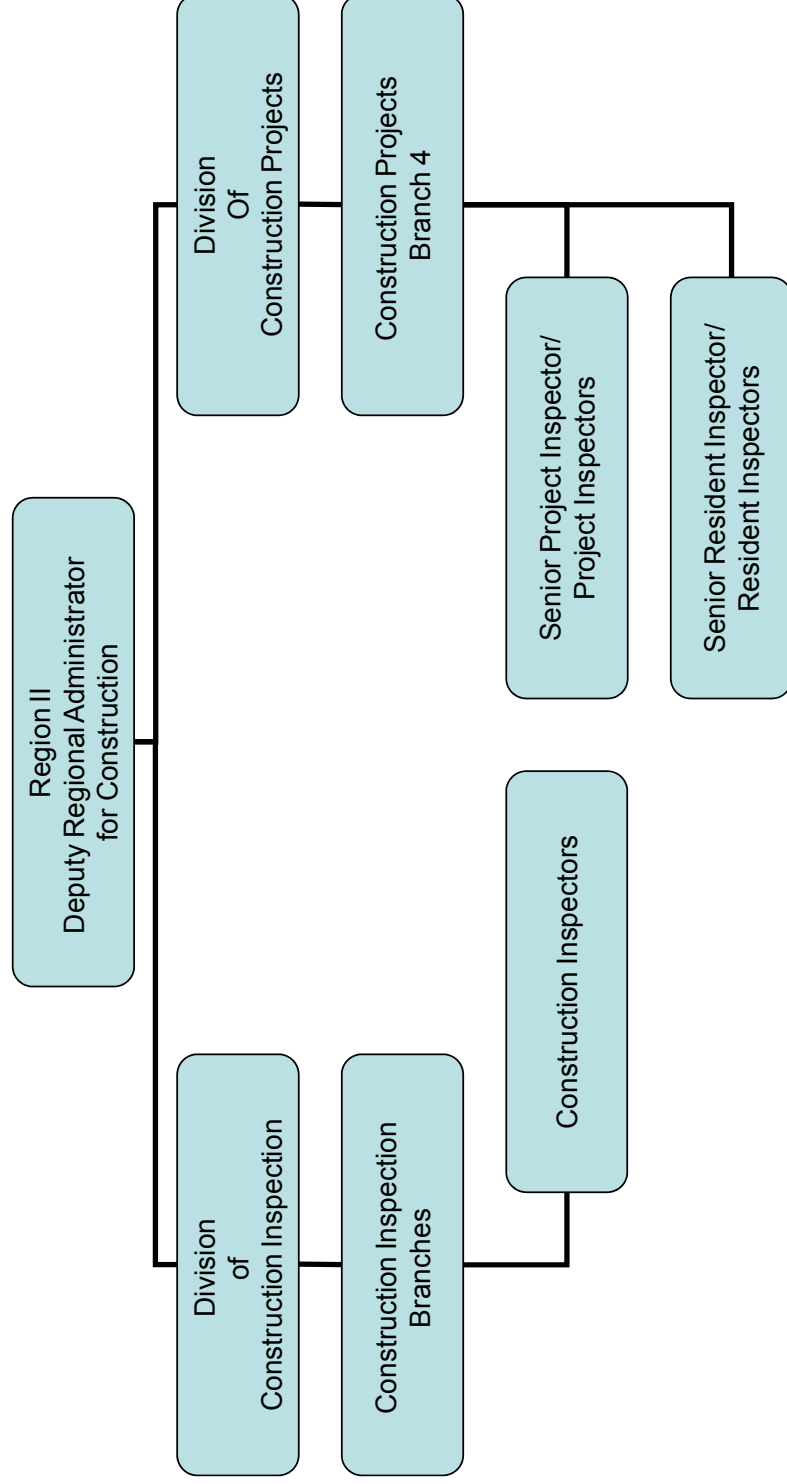


Construction Mission Statement

To provide assurance in the safety of future operations at new nuclear facilities by ensuring that licensees and applicants construct the facilities according to approved design criteria, using appropriate practices and quality materials.



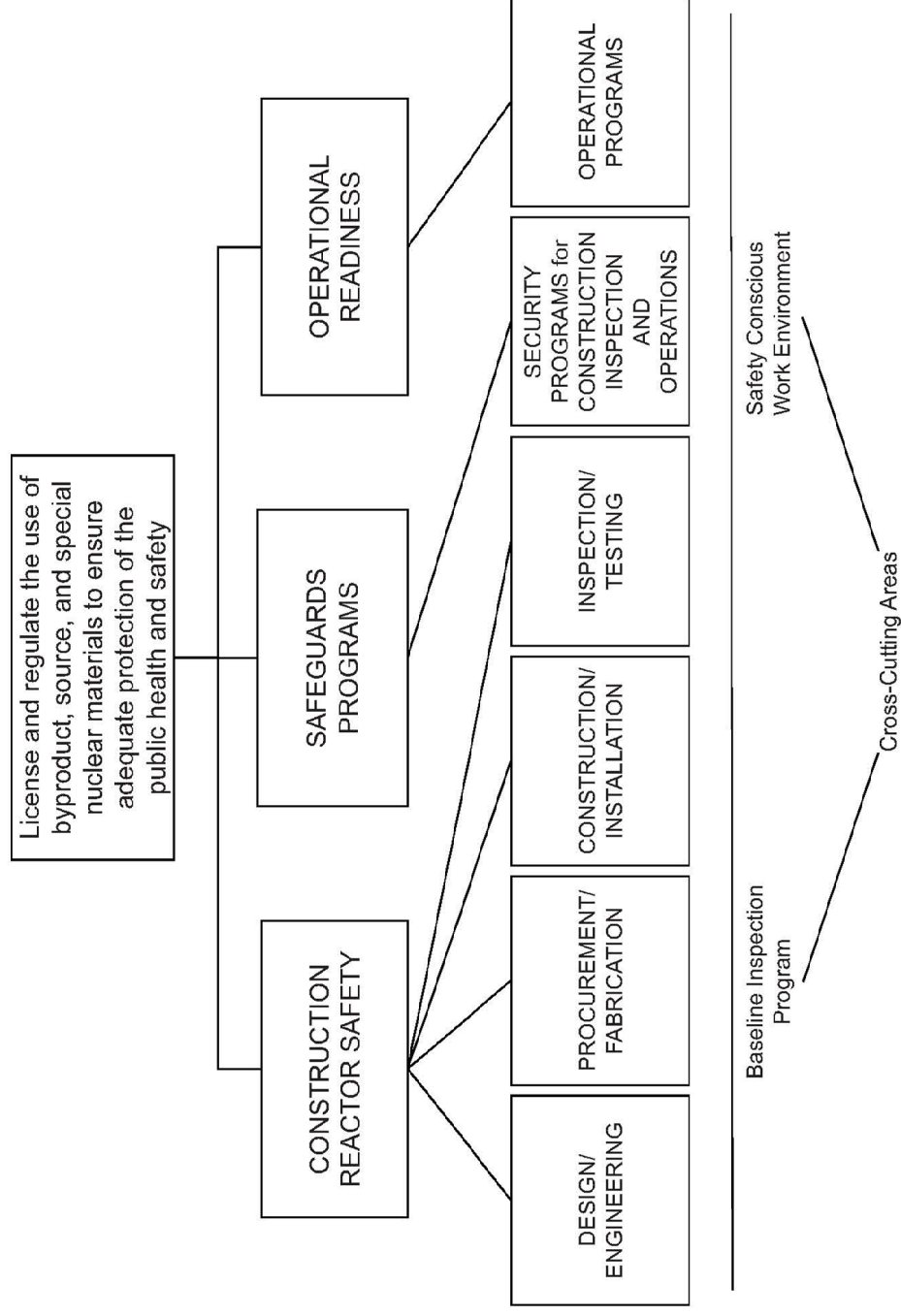
Construction Inspection Organization





Construction Reactor Oversight Process (cROP)

cROP Regulatory Framework





Inspection Program Structure

- Inspections, Tests, Analysis and Acceptance Criteria (ITAAC) Inspections
 - Verify that sampled design commitments associated with the license and their acceptance criteria are met prior to fuel load
- Construction Program Inspections
 - Verify that programs associated with construction and operation are effective and meet the regulations



ITAAC Inspections (examples)

- Containment Vessel Welding
- Nuclear Island Rebar Installation



Construction Program Inspections (examples)

- Quality Assurance
- Fitness for Duty
- Corrective Action Program



Significance Determination Process

- Inspection findings are assigned a color representing significance
 - Green
 - White
 - Yellow
 - Red
- Color of finding is used as the input to the construction action matrix



Construction Action Matrix

- Construction action matrix identifies the range of NRC and licensee actions and the appropriate level of communication for different levels of performance

Construction Action Matrix

		Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/ Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
RESULTS		All Inspection Findings Green; Cornerstone Objectives Fully Met	One or Two White Findings (in different cornerstones) in a Strategic Performance Area; Cornerstone Objectives Fully Met	One Degraded Cornerstone (2 White Findings or 1 Yellow Finding) or any 3 White Findings in a Strategic Performance Area; Cornerstone Objectives Met with Moderate Degradation in Safety Performance	Repetitive Degraded Cornerstone, Multiple Degraded Cornerstones, Multiple Yellow Findings, or 1 Red Finding; Cornerstone Objectives Met with Longstanding Issues or Significant Degradation in Safety Performance	Overall Unacceptable Performance; Construction Suspended in the Area of Concern
RESPONSE	Regulatory Performance Meeting	None	BC or DD Meet with Licensee	RA/DRAC (or Designee) Meet with Senior Licensee Management.	EDO/DEDO (or Designee) meet with Senior Licensee Management	EDO/DEDO (or Designee) Meet with Senior Licensee Management
	Licensee Action	Licensee Corrective Action	Licensee Root cause Evaluation and corrective action with NRC Oversight	Licensee cumulative root cause evaluation with NRC Oversight	Licensee Performance Improvement Plan with NRC Oversight	Licensee Performance Improvement Plan / Construction Restart Plan with NRC Oversight
	NRC Inspection	Risk-Informed Baseline Inspection Program	Baseline and supplemental inspection procedure 90001	Baseline and supplemental inspection procedure 90002	Baseline and supplemental inspection procedure 90003	Baseline and Supplemental as Practicable, Plus Special Inspections per Construction Restart Checklist.
	Regulatory Actions ¹	None	Supplemental inspection only	Supplemental inspection only Plant Discussed at AARM if Conditions Met	-10 CFR 2.204 DFI -10 CFR 50.54(f) Letter - CAL/Order Plant Discussed at AARM	Order to Modify, Suspend, or Revoke Licensed Activities Plant Discussed at AARM
COMMUNICATION	Assessment Letters	BC or DD review/sign assessment report (w/ inspection plan)	DD review/sign assessment report (w/ inspection plan)	DRAC review/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w/ inspection plan)
	Annual Involvement of Public Stakeholders	Various public stakeholder options (see section 12) involving the SRI or BC	Various public stakeholder options (see section 12) involving the BC or DD	RA/DRAC (or Designee), Discuss Performance with Senior Licensee Management	EDO/DEDO (or Designee) Discuss Performance with Senior Licensee Management	EDO/DEDO (or Designee) Discuss Performance with Senior Licensee Management
	Commission involvement	None	None	Possible Commission Meeting if Licensee Remains for one and one half years	Commission Meeting with Senior Licensee Management Within 6 mo.	Commission Meeting with Senior Licensee Management
	INCREASING SAFETY SIGNIFICANCE ----->					



Scope of Inspections for this Assessment Period (2012)

- Security Inspections
- Baseline Inspections
- Quality Assurance Program Inspections
- Vendor Inspections



2012 Inspection Findings

- Design / Engineering
 - 1 Green Findings
- Construction / Installation
 - 4 Green Findings
- Procurement / Fabrication
 - 1 Green Finding



Assessment Overview

- Overall assessment results:
 - SCE&G's program and procedures were adequate to support ongoing construction activities
 - SCE&G was constructing the facility at an acceptable level of quality
- Baseline Inspection Program



Corrective Action Program

- cROP relies on an effective corrective action program
- An effective corrective action program will allow the NRC to issue non-cited violations
- MC 2505P describes criteria for an effective program
- V.C. Summer program was determined to be effective during the annual assessment



Corrective Action Program Assessment

- Program documents evaluated for compliance with 10 CFR 50 Appendix B.
- Implementation evaluated through
 - Resident inspector daily reviews
 - Regional inspector evaluations during inspections
 - Team corrective action program inspections



2013 Inspections

- IMC 2503

Majority of ITAAC Inspection, in 2013, will focus on:

- Containment Vessel Fabrication
- Nuclear Island Work
- Structural and Mechanical Module Assembly
- Miscellaneous ITAAC and Design Acceptance Criteria Activities
- Type Tests
- ITAAC Related Activities at Vendors

- IMC 2504

- Reporting of Defects and Non-Compliance
- Corrective Action Program Implementation
- Commercial Grade Dedication Program Review
- Construction QA Implementation