



NUREG-2153  
Volume 3

# **Final Safety Evaluation Report for Combined Licenses for Virgil C. Summer Nuclear Station, Units 2 and 3**

Office of New Reactors

## AVAILABILITY OF REFERENCE MATERIALS IN NRC PUBLICATIONS

### NRC Reference Material

As of November 1999, you may electronically access NUREG-series publications and other NRC records at NRC's Public Electronic Reading Room at <http://www.nrc.gov/reading-rm.html>. Publicly released records include, to name a few, NUREG-series publications; *Federal Register* notices; applicant, licensee, and vendor documents and correspondence; NRC correspondence and internal memoranda; bulletins and information notices; inspection and investigative reports; licensee event reports; and Commission papers and their attachments.

NRC publications in the NUREG series, NRC regulations, and Title 10, "Energy," in the *Code of Federal Regulations* may also be purchased from one of these two sources.

1. The Superintendent of Documents  
U.S. Government Printing Office  
Mail Stop SSOP  
Washington, DC 20402-0001  
Internet: [bookstore.gpo.gov](http://bookstore.gpo.gov)  
Telephone: 202-512-1800  
Fax: 202-512-2250
2. The National Technical Information Service  
Springfield, VA 22161-0002  
[www.ntis.gov](http://www.ntis.gov)  
1-800-553-6847 or, locally, 703-605-6000

A single copy of each NRC draft report for comment is available free, to the extent of supply, upon written request as follows:

Address: U.S. Nuclear Regulatory Commission  
Office of Administration  
Publications Branch  
Washington, DC 20555-0001

E-mail: [DISTRIBUTION.RESOURCE@NRC.GOV](mailto:DISTRIBUTION.RESOURCE@NRC.GOV)  
Facsimile: 301-415-2289

Some publications in the NUREG series that are posted at NRC's Web site address <http://www.nrc.gov/reading-rm/doc-collections/nuregs> are updated periodically and may differ from the last printed version. Although references to material found on a Web site bear the date the material was accessed, the material available on the date cited may subsequently be removed from the site.

### Non-NRC Reference Material

Documents available from public and special technical libraries include all open literature items, such as books, journal articles, transactions, *Federal Register* notices, Federal and State legislation, and congressional reports. Such documents as theses, dissertations, foreign reports and translations, and non-NRC conference proceedings may be purchased from their sponsoring organization.

Copies of industry codes and standards used in a substantive manner in the NRC regulatory process are maintained at—

The NRC Technical Library  
Two White Flint North  
11545 Rockville Pike  
Rockville, MD 20852-2738

These standards are available in the library for reference use by the public. Codes and standards are usually copyrighted and may be purchased from the originating organization or, if they are American National Standards, from—

American National Standards Institute  
11 West 42<sup>nd</sup> Street  
New York, NY 10036-8002  
[www.ansi.org](http://www.ansi.org)  
212-642-4900

Legally binding regulatory requirements are stated only in laws; NRC regulations; licenses, including technical specifications; or orders, not in NUREG-series publications. The views expressed in contractor-prepared publications in this series are not necessarily those of the NRC.

The NUREG series comprises (1) technical and administrative reports and books prepared by the staff (NUREG-XXXX) or agency contractors (NUREG/CR-XXXX), (2) proceedings of conferences (NUREG/CP-XXXX), (3) reports resulting from international agreements (NUREG/IA-XXXX), (4) brochures (NUREG/BR-XXXX), and (5) compilations of legal decisions and orders of the Commission and Atomic and Safety Licensing Boards and of Directors' decisions under Section 2.206 of NRC's regulations (NUREG-0750).

**DISCLAIMER:** This report was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any employee, makes any warranty, expressed or implied, or assumes any legal liability or responsibility for any third party's use, or the results of such use, of any information, apparatus, product, or process disclosed in this publication, or represents that its use by such third party would not infringe privately owned rights.

# **Final Safety Evaluation Report for Combined Licenses for Virgil C. Summer Nuclear Station, Units 2 and 3**

## **Volume 3**

## **Docket Nos. 52-027 and 52-028**

Manuscript Completed: August 2011  
Date Published: September 2013



## ABSTRACT

This final safety evaluation report<sup>1</sup> (FSER) documents the U.S. Nuclear Regulatory Commission (NRC) staff's technical review of the combined license (COL) application submitted by South Carolina Electric and Gas Company (SCE&G or the applicant), for the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3.

By letter dated March 27, 2008, the SCE&G, acting on behalf of itself and as agent for the South Carolina Public Service Authority (also referred to as Santee Cooper), submitted its application to the NRC for COLs for two AP1000 advanced passive pressurized-water reactors (PWRs) pursuant to the requirements of Sections 103 and 185(b) of the Atomic Energy Act of 1954, as amended; Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, "Licenses, certifications and approvals for nuclear power plants," and the associated material licenses under 10 CFR Part 30, "Rules of general applicability to domestic licensing of byproduct material"; 10 CFR Part 40, "Domestic licensing of source material"; and 10 CFR Part 70, "Domestic licensing of special nuclear material." These reactors are identified as VCSNS Units 2 and 3, and will be located approximately 1 mile from the center of VCSNS Unit 1 in western Fairfield County, South Carolina.

The initial application incorporated by reference 10 CFR Part 52, Appendix D, "Design Certification Rule for the AP1000 Design," and the Westinghouse Electric Corporation's (Westinghouse's) application for amendment of the AP1000 design, as described in Revision 16 of the Design Control Document (DCD) (submitted May 26, 2010) as well as Westinghouse Technical Report (TR)-134, APP-GW-GLR-134, "AP1000 DCD Impacts to Support COLA Standardization," Revision 4, which was submitted on March 20, 2008. Subsequent to the initial application, in a letter dated June 28, 2011, SCE&G submitted Revision 5 of the application that incorporates by reference AP1000 DCD Revision 19. The results of the NRC staff's evaluation of the AP1000 DCD are documented in NUREG-1793, "Final Safety Evaluation Report Related to Certification of the AP1000 Standard Design," and its supplements.

This FSER presents the results of the staff's review of information submitted in conjunction with the COL application, except those matters resolved as part of the referenced design certification rule. In Appendix A to this FSER, the staff has identified certain license conditions and inspections, tests, analyses and acceptance criteria (ITAAC) that the staff recommends the Commission impose, should COLs be issued to the applicant. Appendix A contains those proposed ITAAC that are discussed in this SER. In addition to the ITAAC in Appendix A, the ITAAC found in the AP1000 DCD Revision 19 Tier 1 material will also be incorporated into the COLs should COLs be issued to the applicant.

On the basis of the staff's review<sup>2</sup> of the application, as documented in this FSER, the staff recommends that the Commission find the following with respect to the safety aspects of the COL application: 1) the applicable standards and requirements of the Atomic Energy Act and Commission regulations have been met; 2) required notifications to other agencies or bodies have been duly made; 3) there is reasonable assurance that the facility will be constructed and

---

<sup>1</sup> This FSER documents the NRC staff's position on all safety issues associated with the combined license application. The Advisory Committee on Reactor Safeguards (ACRS) independently reviewed those aspects of the application that concern safety, as well as the advanced safety evaluation report without open items (an earlier version of this document), and provided the results of its review to the Commission in a report dated February 17, 2011. This report is included as Appendix F to this FSER.

<sup>2</sup> An environmental review was also performed of the COL application and its evaluation and conclusions are documented in NUREG-1939, "Final Environmental Impact Statement for Combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3," dated April 2011.

will operate in conformity with the license, the provisions of the Atomic Energy Act, and the Commission's regulations; 4) the applicant is technically and financially qualified to engage in the activities authorized; and 5) issuance of the license will not be inimical to the common defense and security or to the health and safety of the public.

# CONTENTS

The chapter and section layout of this FSER is consistent with the format of (1) NUREG-0800, “Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants (LWR Edition)”; (2) Regulatory Guide (RG) 1.206, “Combined License Applications for Nuclear Power Plants”; and (3) the applicant’s final safety analysis report (FSAR). Where applicable, references to other regulatory actions (e.g., design certifications) are included in the text of the safety evaluation report (SER).

ABSTRACT.....	iii
CONTENTS .....	v
FIGURES.....	xxiii
TABLES.....	xxiv
EXECUTIVE SUMMARY .....	xxv
ABBREVIATIONS.....	xxvii
1.0 INTRODUCTION AND INTERFACES .....	1-1
1.1 Summary of Application .....	1-1
1.2 Regulatory Basis.....	1-5
1.2.1 Applicable Regulations .....	1-5
1.2.2 Finality of Referenced NRC Approvals .....	1-6
1.2.3 Overview of the Design-Centered Review Approach .....	1-8
1.3 Principal Review Matters.....	1-10
1.4 Staff Review of VCSNS COL FSAR Chapter 1 .....	1-14
1.4.1 Introductions.....	1-14
1.4.2 Summary of Applications .....	1-15
1.4.3 Regulatory Basis .....	1-21
1.4.4 Technical Evaluation .....	1-22
1.4.5 Post Combine License Activities.....	1-34
1.4.6 Conclusion .....	1-35
1.5 Additional Regulatory Considerations .....	1-35
1.5.1 10 CFR 52.97(a)(1)(iv) Applicant Financial Qualifications and Evaluation of Financial Qualification in accordance with 10 CFR 50.33.....	1-35
1.5.2 Nuclear Waste Policy Act .....	1-41
1.5.3 Consultation with Department of Homeland Security and Notifications.....	1-42
1.5.4 Evaluation of Departures and Exemption Associated with Numbering in the Application and Exemption Associated with Special Nuclear Material (SNM) Material Control and Accounting (MC&A) Program.....	1-42
1.5.5 Receipt, Possession, and Use of Source, Byproduct and Special Nuclear Material Authorized by 10 CFR Part 52 Combined Licenses .....	1-45
2.0 SITE CHARACTERISTICS.....	2-1
2.0.1 Introduction.....	2-1
2.0.2 Summary of Application.....	2-1

2.0.3	Regulatory Basis .....	2-2
2.0.4	Technical Evaluation .....	2-3
2.0.5	Post Combined License Activities .....	2-8
2.0.6	Conclusion .....	2-8
2.1	Geography and Demography .....	2-8
2.1.1	Site Location and Description .....	2-8
2.1.2	Exclusion Area Authority and Control .....	2-11
2.1.3	Population Distribution .....	2-14
2.2	Nearby Industrial, Transportation, and Military Facilities .....	2-18
2.2.1	Locations and Routes .....	2-18
2.2.2	Refer to 2.2.1 .....	2-27
2.2.3	Evaluation of Potential Accidents .....	2-27
2.3	Meteorology .....	2-36
2.3.1	Regional Climatology .....	2-37
2.3.2	Local Meteorology .....	2-51
2.3.3	Onsite Meteorological Measurements Program .....	2-58
2.3.4	Short-Term Diffusion Estimates (Related to RG 1.206, Section C.III.1, Chapter 2, C.I.2.3.4, "Short-Term Atmospheric Dispersion Estimates for Accident Releases") .....	2-67
2.3.5	Long-Term Diffusion Estimates (Related to RG 1.206, Section C.III.2, Chapter 2, C.I.2.3.5, "Long Term Atmospheric Dispersion Estimates for Routine Releases") .....	2-75
2.4	Hydrologic Engineering .....	2-81
2.4.1	Hydrologic Description .....	2-82
2.4.2	Floods .....	2-89
2.4.3	Probable Maximum Flood on Streams And Rivers .....	2-101
2.4.4	Potential Dam Failures .....	2-108
2.4.5	Probable Maximum Surge and Seiche Flooding .....	2-113
2.4.6	Probable Maximum Tsunami Hazards .....	2-116
2.4.7	Ice Effects .....	2-120
2.4.8	Cooling Water Canals and Reservoirs .....	2-123
2.4.9	Channel Diversions .....	2-125
2.4.10	Flooding Protection Requirements .....	2-128
2.4.11	Low Water Considerations .....	2-131
2.4.12	Groundwater .....	2-133
2.4.13	Accidental Release of Radioactive Liquid Effluent in Ground and Surface Waters .....	2-142
2.4.14	Technical Specification and Emergency Operation Requirements .....	2-151
2.5	Geology, Seismology, and Geotechnical Engineering .....	2-153
2.5.1	Basic Geologic and Seismic Information .....	2-154
2.5.2	Vibratory Ground Motion .....	2-197
2.5.3	Surface Faulting .....	2-231
2.5.4	Stability of Subsurface Materials and Foundations .....	2-247
2.5.5	Stability of Slopes .....	2-286
3.0	DESIGN OF STRUCTURES, COMPONENTS, EQUIPMENT AND SYSTEMS .....	3-1
3.1	Conformance with NRC General Design Criteria .....	3-1
3.2	Classification of Structures, Components, and Systems .....	3-1
3.2.1	Seismic Classification .....	3-1



3.2.2	AP1000 Classification Systems (Related to RG 1.206, Section C.III.1, Chapter 3, C.I.3.2.2, “System Quality Group Classification”).....	3-5
3.3	Wind and Tornado Loadings .....	3-9
3.3.1	Wind Loadings.....	3-9
3.3.2	Tornado Loading .....	3-11
3.4	Water Level (Flood) Design .....	3-15
3.4.1	Flood Protection .....	3-15
3.4.2	Analytical and Test Procedures (Related to RG 1.206, Section C.III.1, Chapter 3, C.I.3.4.2, “Analysis Procedures”) .....	3-17
3.5	Missile Protection.....	3-17
3.5.1	Missile Selection and Description .....	3-18
3.5.2	Protection from Externally Generated Missiles .....	3-24
3.5.3	Barrier Design Procedures .....	3-24
3.6	Protection against Dynamic Effects Associated with the Postulated Rupture of Piping .....	3-25
3.6.1	Introduction.....	3-25
3.6.2	Summary of Application.....	3-25
3.6.3	Regulatory Basis .....	3-26
3.6.4	Technical Evaluation .....	3-26
3.6.5	Post Combined License Activities .....	3-30
3.6.6	Conclusion .....	3-30
3.7	Seismic Design .....	3-31
3.7.1	Seismic Design Parameters .....	3-31
3.7.2	Seismic System Analysis.....	3-34
3.7.3	Seismic Subsystem Analysis .....	3-38
3.7.4	Seismic Instrumentation .....	3-39
3.8	Design of Category I Structures .....	3-46
3.8.1	Concrete Containment.....	3-46
3.8.2	Steel Containment.....	3-46
3.8.3	Concrete and Steel Internal Structures of Steel or Concrete Containment.....	3-46
3.8.4	Other Seismic Category I Structures .....	3-47
3.8.5	Foundations.....	3-47
3.9	Mechanical Systems and Components .....	3-53
3.9.1	Special Topics for Mechanical Components .....	3-53
3.9.2	Dynamic Testing and Analysis of Systems, Structures and Components.....	3-54
3.9.3	ASME Code Class 1, 2, and 3 Components, Component Supports, and Core Support Structures .....	3-54
3.9.4	Control Rod Drive System .....	3-59
3.9.5	Reactor Pressure Vessel Internals .....	3-60
3.9.6	Inservice Testing of Pumps and Valves (Related to RG 1.206, Section C.III.1, Chapter 3, C.I.3.9.6, “Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints”).....	3-60
3.9.7	Integrated Head Package.....	3-76
3.10	Seismic and Dynamic Qualification of Mechanical and Electrical Equipment.....	3-77
3.10.1	Introduction.....	3-77
3.10.2	Summary of Application.....	3-77

3.10.3	Regulatory Basis .....	3-77
3.10.4	Technical Evaluation .....	3-78
3.10.5	Post Combined License Activities .....	3-79
3.10.6	Conclusion .....	3-79
3.11	Environmental Qualification of Mechanical and Electrical Equipment.....	3-80
3.11.1	Introduction.....	3-80
3.11.2	Summary of Application.....	3-80
3.11.3	Regulatory Basis .....	3-81
3.11.4	Technical Evaluation .....	3-81
3.11.5	Post Combined License Activities .....	3-87
3.11.6	Conclusion .....	3-87
3.12	Piping Design (Related to RG 1.206, Section C.III.1, Chapter 3, C.I.3.12, "Piping Design Review") .....	3-88
3.12.1	Introduction.....	3-88
3.12.2	Summary of Application.....	3-88
3.12.3	Regulatory Basis .....	3-89
3.12.4	Technical Evaluation .....	3-89
3.12.5	Post Combined License Activities .....	3-93
3.12.6	Conclusion .....	3-93
4.0	REACTOR.....	4-1
4.1	Introduction .....	4-1
4.2	Summary of Application .....	4-1
4.3	Regulatory Basis.....	4-1
4.4	Technical Evaluation.....	4-2
4.5	Post Combined License Activities .....	4-5
4.6	Conclusion.....	4-5
5.0	REACTOR COOLANT SYSTEM AND CONNECTED SYSTEMS.....	5-1
5.1	Introduction .....	5-1
5.2	Integrity of Reactor Coolant Pressure Boundary .....	5-1
5.2.2	Overpressure Protection.....	5-12
5.2.3	Reactor Coolant Pressure Boundary Materials .....	5-13
5.2.4	Inservice Inspection and Testing of Class 1 Components (Related to RG 1.206, Section C.III.1, Chapter 5, C.I.5.2.4, "Inservice Inspection and Testing of Reactor Coolant Pressure Boundary").....	5-17
5.2.5	Detection of Leakage through Reactor Coolant Pressure Boundary (Related to RG 1.206, Section C.III.1, Chapter 5, C.I.5.2.5, Reactor Coolant Pressure Boundary Leakage Detection").....	5-34
5.3	Reactor Vessel .....	5-38
5.3.1	Reactor Vessel Design .....	5-38
5.3.2	Reactor Vessel Materials.....	5-39
5.3.3	Pressure Temperature Limits (Related to RG 1.206, Section C.III.1, Chapter 5, C.I.5.3.2, "Pressure-Temperature Limits, Pressurized Thermal Shock, and Charpy Upper-Shelf Energy Data and Analyses").....	5-46
5.3.4	Reactor Vessel Integrity (Related to RG 1.206, Section C.III.1, Chapter 5, C.I.5.3.3 "Reactor Vessel Integrity") .....	5-50
5.3.5	Reactor Vessel Insulation .....	5-54

5.4	Component and Subsystem Design (Related to RG 1.206, Section C.III.1, Chapter 5, C.I.5.4, “Reactor Coolant System Component and Subsystem Design”).....	5-54
5.4.1	Introduction.....	5-54
5.4.2	Summary of Application.....	5-55
5.4.3	Regulatory Basis .....	5-56
5.4.4	Technical Evaluation .....	5-56
5.4.5	Post Combined License Activities.....	5-61
5.4.6	Conclusion .....	5-61
6.0	ENGINEERED SAFETY FEATURES .....	6-1
6.0	Engineered Safety Features .....	6-1
6.1	Engineered Safety Features Materials .....	6-1
6.1.1	Metallic Materials.....	6-1
6.1.2	Organic Materials .....	6-4
6.2	Containment Systems.....	6-14
6.2.1	Introduction.....	6-14
6.2.2	Summary of Application.....	6-14
6.2.3	Regulatory Basis .....	6-16
6.2.4	Technical Evaluation .....	6-16
6.2.5	Post Combined License Activities.....	6-19
6.2.6	Conclusion .....	6-19
6.3	Passive Core Cooling System (Related to RG 1.206, Section C.III.1, Chapter 6, C.I.6.3, “Emergency Core Cooling System”).....	6-19
6.3.1	Introduction.....	6-19
6.3.2	Summary of Application.....	6-20
6.3.3	Regulatory Basis .....	6-21
6.3.4	Technical Evaluation .....	6-21
6.3.5	Post Combined License Activities.....	6-23
6.3.6	Conclusion .....	6-23
6.4	Habitability Systems.....	6-24
6.4.1	Introduction.....	6-24
6.4.2	Summary of Application.....	6-24
6.4.3	Regulatory Basis .....	6-26
6.4.4	Technical Evaluation .....	6-27
6.4.5	Post Combined License Activities.....	6-35
6.4.6	Conclusion .....	6-35
6.5	Fission Product Removal and Control Systems .....	6-36
6.6	Inservice Inspection of Class 2, 3, and MC Components (Related to RG 1.206, Section C.III.1, Chapter 6, C.I.6.6, “Inservice Inspection of Class 2 and 3 Components”) .....	6-36
6.6.1	Introduction.....	6-36
6.6.2	Summary of Application.....	6-37
6.6.3	Regulatory Basis .....	6-37
6.6.4	Technical Evaluation .....	6-38
6.6.5	Post Combined License Activities.....	6-42
6.6.6	Conclusion .....	6-42
7.0	INSTRUMENTATION AND CONTROLS .....	7-1
7.1	Introduction .....	7-1
7.1.1	Introduction.....	7-1

7.1.2	Summary of Application.....	7-1
7.1.3	Regulatory Basis .....	7-1
7.1.4	Technical Evaluation .....	7-2
7.1.5	Post Combined License Activities .....	7-3
7.1.6	Conclusion .....	7-4
7.2	Reactor Trip.....	7-4
7.3	Engineered Safety Features .....	7-4
7.4	Systems Required for Safe Shutdown.....	7-5
7.5	Safety-Related Display Information (Related to RG 1.206, Section C.III.1, Chapter 7, C.1.7.5, "Information Systems Important to Safety") .....	7-5
7.5.1	Introduction.....	7-5
7.5.2	Summary of Application.....	7-5
7.5.3	Regulatory Basis .....	7-6
7.5.4	Technical Evaluation .....	7-6
7.5.5	Post Combined License Activities .....	7-8
7.5.6	Conclusion .....	7-8
7.6	Interlock Systems Important to Safety.....	7-8
7.7	Control and Instrumentation Systems (Related to RG 1.206, Section C.III.1, Chapter 7, C.I.7.7, "Control Systems Not Required for Safety") .....	7-8
8.0	ELECTRIC POWER .....	8-1
8.1	Introduction.....	8-1
8.1.1	Introduction.....	8-1
8.1.2	Summary of Application.....	8-1
8.1.3	Regulatory Basis .....	8-2
8.1.4	Technical Evaluation .....	8-2
8.1.5	Post Combined License Activities .....	8-4
8.1.6	Conclusion .....	8-4
8.2	Offsite Power System .....	8-5
8.2.1	Introduction.....	8-5
8.2.2	Summary of Application.....	8-5
8.2.3	Regulatory Basis .....	8-7
8.2.4	Technical Evaluation .....	8-7
8.2.5	Post Combined License Activities .....	8-19
8.2.6	Conclusion .....	8-19
8.2.A	Site-Specific ITAAC for Offsite Power Systems .....	8-20
8.2.A.1	Introduction.....	8-20
8.2.A.2	Summary of Application.....	8-21
8.2.A.3	Regulatory Basis .....	8-21
8.2.A.4	Technical Evaluation .....	8-21
8.2.A.5	Post Combined License Activities .....	8-24
8.2.A.6	Conclusion .....	8-24
8.3	Onsite Power Systems.....	8-24
8.3.1	AC Power Systems.....	8-24
8.3.2	DC Power Systems .....	8-31
9.0	AUXILIARY SYSTEMS.....	9-1
9.1	Fuel Storage and Handling .....	9-1
9.1.1	New Fuel Storage (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.1.1, "Criticality Safety of Fresh and Spent Fuel	

	Storage and Handling,” and C.I.9.1.2, “New and Spent Fuel Storage”) .....	9-1
9.1.2	Spent Fuel Storage (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.1.1, “Criticality Safety of Fresh and Spent Fuel Storage and Handling,” and C.I.9.1.2, “New and Spent Fuel Storage”) .....	9-1
9.1.3	Spent Fuel Pool Cooling System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.1.3, “Spent Fuel Pool Cooling and Cleanup System”) .....	9-8
9.1.4	Light Load Handling System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.1.4, “Light Load Handling System (Related to Refueling”) .....	9-11
9.1.5	Overhead Heavy Load Handling Systems (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.1.5, “Overhead Load Handling System”) .....	9-16
9.2	Water Systems .....	9-22
9.2.1	Service Water System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.2.1, “Station Service Water System (Open, Raw Water Cooling Systems”) .....	9-22
9.2.2	Component Cooling Water System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.2.2, “Cooling System for Reactor Auxiliaries (Closed Cooling Water Systems”) .....	9-25
9.2.3	Demineralized Water Treatment System .....	9-30
9.2.4	Demineralized Water Transfer and Storage System .....	9-31
9.2.5	Potable Water System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.2.4, “Potable and Sanitary Water Systems”) .....	9-31
9.2.6	Sanitary Drains (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.2.4, “Potable and Sanitary Water Systems”) .....	9-33
9.2.7	Central Chilled Water System (Related to RG 1.206 Section C.III.1, Chapter 9, C.I.9.2.2, “Cooling System for Reactor Auxiliaries (Closed Cooling Water Systems”) .....	9-35
9.2.8	Turbine Building Closed Cooling Water System .....	9-40
9.2.9	Waste Water System (Related to RG 1.206 Section C.III.1, Chapter 9, C.I.9.3.3, “Equipment and Floor Drainage System” .....	9-41
9.2.10	Hot Water Heating System .....	9-45
9.2.11	Raw Water System .....	9-45
9.3	Process Auxiliaries .....	9-55
9.3.1	Compressed and Instrument Air System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.3.1, “Compressed Air Systems”) .....	9-55
9.3.2	Plant Gas System (Related to RG 1.206 Section C.III.1, Chapter 9, C.I.9.3.1, “Compressed Air Systems”) .....	9-58
9.3.3	Primary Sampling System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.3.2, “Process and Postaccident Sampling Systems”) .....	9-58
9.3.4	Secondary Sampling System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.3.2, “Process and Postaccident Sampling Systems”) .....	9-58
9.3.5	Equipment and Floor Drainage Systems (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.3.3, “Equipment and Floor Drainage System”) .....	9-59

9.3.6	Chemical and Volume Control System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.3.4, “Chemical and Volume Control System (PWR) Including Boron Recovery System”).....	9-59
9.4	Air-Conditioning, Heating, Cooling, and Ventilation Systems .....	9-59
9.4.1	Nuclear Island Nonradioactive Ventilation System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.4.1, “Control Room Area Ventilation System”).....	9-59
9.4.2	Annex/Auxiliary Buildings Nonradioactive HVAC System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.4.3, “Auxiliary and Radwaste Area Ventilation System”).....	9-63
9.4.3	Radiologically Controlled Area Ventilation System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.4.2, “Spent Fuel Pool Area Ventilation System,” and C.I.9.4.3, “Auxiliary and Radwaste Area Ventilation System”).....	9-63
9.4.4	Balance-of-Plant Interface .....	9-63
9.4.5	Engineered Safety Features Ventilation System.....	9-63
9.4.6	Containment Recirculation Cooling System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.4.5, “Engineered Safety Feature Ventilation System”).....	9-64
9.4.7	Containment Air Filtration System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.4.5, “Engineered Safety Feature Ventilation System”).....	9-64
9.4.8	Radwaste Building HVAC System .....	9-67
9.4.9	Turbine Building Ventilation System .....	9-67
9.4.10	Diesel Generator Building Heating and Ventilation System.....	9-67
9.4.11	Health Physics and Hot Machine Shop HVAC System .....	9-67
9.5	Other Auxiliary Systems.....	9-68
9.5.1	Fire Protection System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.1, Fire Protection Program).....	9-68
9.5.2	Communication System.....	9-80
9.5.3	Plant Lighting System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.3, “Lighting Systems”).....	9-87
9.5.4	Diesel Generator Fuel Oil System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.4, “Diesel Generator Fuel Oil Storage and Transfer System).....	9-88
9.5.5	Standby Diesel Generator Cooling Water System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.5, “Diesel Generator Cooling Water System”).....	9-92
9.5.6	Standby Diesel Generator Starting Air System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.6, “Diesel Generator Starting System”).....	9-92
9.5.7	Standby Diesel Generator Lubrication System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.7, “Diesel Generator Lubrication System”).....	9-92
9.5.8	Standby Diesel Generator Combustion Air Intake and Exhaust System (Related to RG 1.206, Section C.III.1, Chapter 9, C.I.9.5.8, “Diesel Generator Combustion Air Intake and Exhaust System”).....	9-93
10.0	STEAM AND POWER CONVERSION .....	10-1
10.1	Summary Description.....	10-1

10.1.1	Introduction.....	10-1
10.1.2	Summary of Application.....	10-1
10.1.3	Regulatory Basis .....	10-2
10.1.4	Technical Evaluation .....	10-2
10.1.5	Post Combined License Activities .....	10-6
10.1.6	Conclusion .....	10-6
10.2	Turbine-Generator .....	10-7
10.2.1	Introduction.....	10-7
10.2.2	Summary of Application.....	10-7
10.2.3	Regulatory Basis .....	10-8
10.2.4	Technical Evaluation .....	10-8
10.2.5	Post Combined License Activities .....	10-11
10.2.6	Conclusion .....	10-11
10.3	Main Steam Supply System .....	10-12
10.3.1	Introduction.....	10-12
10.3.2	Summary of Application.....	10-12
10.3.3	Regulatory Basis .....	10-13
10.3.4	Technical Evaluation .....	10-14
10.3.5	Post Combined License Activities .....	10-17
10.3.6	Conclusion .....	10-17
10.4	Other Features of Steam and Power Conversion System .....	10-17
10.4.1	Main Condensers .....	10-17
10.4.2	Main Condenser Evacuation System .....	10-18
10.4.3	Gland Sealing System (Related to RG 1.206, Section C.III.1, Chapter 10, C.I.10.4.3, "Turbine Gland Sealing System") .....	10-20
10.4.4	Turbine Bypass System.....	10-20
10.4.5	Circulating Water System .....	10-21
10.4.6	Condensate Polishing System (Related to RG 1.206, Section C.III.1, Chapter 10, C.I.10.4.6, "Condensate Cleanup System").....	10-26
10.4.7	Condensate and Feedwater System.....	10-26
10.4.8	Steam Generator Blowdown System (Related to RG 1.206, Section C.III.1, Chapter 10, C.I.10.4.8, "Steam Generator Blowdown System (PWR)") .....	10-33
10.4.9	Startup Feedwater System .....	10-33
10.4.10	Auxiliary Steam System.....	10-33
10.4.11	Turbine Island Chemical Feed.....	10-34
10.4.12	Combined License Information .....	10-34
11.0	RADIOACTIVE WASTE MANAGEMENT .....	11-1
11.1	Source Terms .....	11-1
11.2	Liquid Waste Management Systems .....	11-1
11.2.1	Introduction.....	11-1
11.2.2	Summary of Application.....	11-1
11.2.3	Regulatory Basis .....	11-3
11.2.4	Technical Evaluation .....	11-4
11.2.5	Post Combined License Activities .....	11-13
11.2.6	Conclusion .....	11-13
11.3	Gaseous Waste Management System .....	11-14
11.3.1	Introduction.....	11-14
11.3.2	Summary of Application.....	11-14

11.3.3	Regulatory Basis .....	11-15
11.3.4	Technical Evaluation .....	11-16
11.3.5	Post Combined License Activities .....	11-24
11.3.6	Conclusion .....	11-24
11.4	Solid Waste Management (Related to RG 1.206, Section C.III.1, Chapter 11, C.I.11.4, "Solid Waste Management System") .....	11-24
11.4.1	Introduction.....	11-24
11.4.2	Summary of Application.....	11-25
11.4.3	Regulatory Basis .....	11-25
11.4.4	Technical Evaluation .....	11-26
11.4.5	Post Combined License Activities .....	11-31
11.4.6	Conclusion .....	11-31
11.5	Radiation Monitoring (Related to RG 1.206, Section C.III.1, Chapter 11, C.I.11.5, "Process and Effluent Radiological Monitoring and Sampling Systems").....	11-31
11.5.1	Introduction.....	11-31
11.5.2	Summary of Application.....	11-32
11.5.3	Regulatory Basis .....	11-33
11.5.4	Technical Evaluation .....	11-33
11.5.5	Post Combined License Activities .....	11-39
11.5.6	Conclusion .....	11-39
12.0	RADIATION PROTECTION.....	12-1
12.1	Assuring That Occupational Radiation Exposures Are As-Low-As-Reasonably Achievable (ALARA) (Related to RG 1.206, Section C.III.1, Chapter 12, C.I.12.1, "Ensuring that Occupational Radiation Exposures are As Low As Is Reasonably Achievable") .....	12-1
12.1.1	Introduction.....	12-1
12.1.2	Summary of Application.....	12-1
12.1.3	Regulatory Basis .....	12-2
12.1.4	Technical Evaluation .....	12-2
12.1.5	Post Combined License Activities .....	12-7
12.1.6	Conclusion .....	12-7
12.2	Radiation Sources.....	12-8
12.2.1	Introduction.....	12-8
12.2.2	Summary of Application.....	12-8
12.2.3	Regulatory Basis .....	12-8
12.2.4	Technical Evaluation .....	12-8
12.2.5	Post Combined License Activities .....	12-11
12.3	Radiation Protection Design Features.....	12-11
12.3.1	Introduction.....	12-11
12.3.2	Summary of Application.....	12-11
12.3.3	Regulatory Basis .....	12-12
12.3.4	Technical Evaluation .....	12-14
12.3.5	Post Combined License Activities .....	12-23
12.3.6	Conclusion .....	12-23
12.4	Dose Assessment.....	12-24
12.4.1	Introduction.....	12-24
12.4.2	Summary of Application.....	12-24
12.4.3	Regulatory Basis .....	12-25
12.4.4	Technical Evaluation .....	12-25



	12.4.5	Post Combined License Activities .....	12-31
	12.4.6	Conclusion .....	12-31
12.5		Health Physics Facilities Design (Related to RG 1.206, Section C.III.1, Chapter 12, C.I.12.5, "Operational Radiation Protection Program").....	12-32
	12.5.1	Introduction.....	12-32
	12.5.2	Summary of Application.....	12-32
	12.5.3	Regulatory Basis .....	12-33
	12.5.4	Technical Evaluation .....	12-33
	12.5.5	Post Combined License Activities .....	12-40
	12.5.6	Conclusion .....	12-40
13.0		CONDUCT OF OPERATIONS .....	13-1
	13.1	Organizational Structure of Applicant.....	13-1
	13.1.1	Introduction.....	13-1
	13.1.2	Summary of Application.....	13-1
	13.1.3	Regulatory Basis .....	13-2
	13.1.4	Technical Evaluation .....	13-3
	13.1.5	Post Combined License Activities .....	13-6
	13.1.6	Conclusion .....	13-6
	13.2	Training .....	13-7
	13.2.1	Introduction.....	13-7
	13.2.2	Summary of Application.....	13-7
	13.2.3	Regulatory Basis .....	13-8
	13.2.4	Technical Evaluation .....	13-9
	13.2.5	Post Combined License Activities .....	13-12
	13.2.6	Conclusion .....	13-12
	13.3	Emergency Planning.....	13-13
	13.3.1	Introduction.....	13-13
	13.3.2	Summary of Application.....	13-13
	13.3.3	Regulatory Basis .....	13-15
	13.3.4	Technical Evaluation .....	13-16
	13.3.5	Post Combined License Activities .....	13-20
	13.3.6	Conclusion .....	13-20
		Attachment 13.3A – COL Information Items, Supplemental Information	
		Items and Departures.....	13-22
		13.3A.1 – Regulatory Basis .....	13-22
		13.3A.2 – COL Information Items .....	13-22
		13.3A.3 – Supplemental Information Items.....	13-24
		13.3A.4 – Departures .....	13-24
		13.3A.5 – Post Combined License Activities .....	13-25
		13.3A.6 – Conclusions .....	13-25
		Attachment 13.3B – Emergency Planning Information in the Application .....	13-26
		13.3B.1 – Regulatory Basis .....	13-26
		13.3B.2 – FSAR and Onsite Emergency Plan .....	13-27
		13.3B.3 – Submittal of State and Local Emergency Plans .....	13-28
		13.3B.4 – Description of the Emergency Planning Zones .....	13-28
		13.3B.5 – Certifications from State and Local Governments.....	13-29
		13.3B.6 – Evaluation Against the Standard .....	13-30

	13.3B.7 – Reference to a Standard Design .....	13-30
	13.3B.8 – Impediments to the Development of Emergency Plans .....	13-31
	13.3B.9 – Post Combined License Activities .....	13-31
	13.3B.10 – Conclusions .....	13-31
Attachment 13.3C -	Onsite Emergency Plan .....	13-32
	13.3C.1 – Assignment of Responsibility (Organizational Control) .....	13-32
	13.3C.2 – Onsite Emergency Organization .....	13-36
	13.3C.3 – Emergency Response Support and Resources .....	13-40
	13.3C.4 – Emergency Classification System .....	13-43
	13.3C.5 – Notification Methods and Procedures .....	13-45
	13.3C.6 – Emergency Communications .....	13-48
	13.3C.7 – Public Education and Information.....	13-53
	13.3C.8 – Emergency Facilities and Equipment .....	13-56
	13.3C.9 – Accident Assessment.....	13-74
	13.3C.10 – Public Education and Information.....	13-80
	13.3C.11 – Radiological Exposure Control .....	13-84
	13.3C.12 – Medical and Public Health Support .....	13-88
	13.3C.13 – Recovery and Reentry Planning and Post- Accident Operations.....	13-90
	13.3C.14 – Exercises and Drills .....	13-92
	13.3C.15 – Radiological Basis.....	13-99
	13.3C.16 – Responsibility for the Planning Effort.....	13-105
	13.3C.17 – Security-Based Event Considerations .....	13-108
	13.3C.18 – Evacuation Time Estimate Analysis .....	13-112
	13.3C.19 – Inspection, Test, Analysis, and Acceptance Criteria .....	13-138
13.4	Operational Programs (Related to RG 1.206, Section C.III.1, Chapter 13, C.I.13.4, “Operational Program Implementation”).....	13-141
	13.4.1 Introduction.....	13-141
	13.4.2 Summary of Application.....	13-141
	13.4.3 Regulatory Basis .....	13-141
	13.4.4 Technical Evaluation .....	13-141
	13.4.5 Post Combined License Activities .....	13-146
	13.4.6 Conclusion .....	13-146
13.5	Plant Procedures .....	13-146
	13.5.1 Introduction.....	13-146
	13.5.2 Summary of Application.....	13-147
	13.5.3 Regulatory Basis .....	13-147
	13.5.4 Technical Evaluation .....	13-147
	13.5.5 Post Combined License Activities .....	13-150
	13.5.6 Conclusion .....	13-150
13.6	Physical Security.....	13-151
	13.6.1 Introduction.....	13-151
	13.6.2 Summary of Application.....	13-152
	13.6.3 Regulatory Basis .....	13-153
	13.6.4 Technical Evaluation .....	13-154
	13.6.5 Post Combined License Activities .....	13-203
	13.6.6 Conclusion .....	13-203

13.6.A	Site-Specific ITAAC for Physical Security .....	13-204
13.6.A.1	Introduction .....	13-204
13.6.A.2	Summary of Application.....	13-204
13.6.A.3	Regulatory Basis .....	13-205
13.6.A.4	Technical Evaluation .....	13-207
13.6.A.5	Post-Combined License Activities .....	13-211
13.6.A.6	Conclusion .....	13-211
13.7	Fitness for Duty.....	13-212
13.7.1	Introduction.....	13-212
13.7.2	Summary of Application.....	13-212
13.7.3	Regulatory Basis .....	13-213
13.7.4	Technical Evaluation .....	13-213
13.7.5	Post Combined License Activities .....	13-219
13.7.6	Conclusion .....	13-219
13.8	Cyber Security .....	13-220
13.8.1	Introduction.....	13-220
13.8.2	Summary of Application.....	13-220
13.8.3	Regulatory Basis .....	13-221
13.8.4	Technical Evaluation .....	13-221
13.8.5	Post Combined License Activities .....	13-264
13.8.6	Conclusion .....	13-265
14.0	INITIAL TEST PROGRAMS .....	14-1
14.1	Specific Information to be Included in Preliminary/Final Safety Analysis Reports (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.1, “Specific Information To Be Addressed for the Initial Plant Test Program”).....	14-1
14.2	Specific Information to be Included in Standard Safety Analysis Reports (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2, “Initial Plant Test Program”).....	14-2
14.2.1	Summary of Test Program and Objectives .....	14-2
14.2.2	Organization, Staffing, and Responsibilities (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.2, “Organization and Staffing”).....	14-5
14.2.3	Test Specifications and Test Procedures (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.3, “Test Procedures,” C.I.14.2.4, “Conduct of Test Program,” C.I.14.2.5, “Review, Evaluation, and Approval of Test Results,” and C.I.14.2.6, “Test Records”) .....	14-12
14.2.4	Compliance of Test Program with Regulatory Guides.....	14-28
14.2.5	Utilization of Operating Experience (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.8, “Utilization of Reactor Operating and Testing Experiences in Development of Test Program”).....	14-28
14.2.6	Use of Plant Operating and Emergency Procedures (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.9, “Trial Use of Plant Operating and Emergency Procedures”) .....	14-34
14.2.7	Initial Fuel Loading and Initial Criticality .....	14-37
14.2.8	Test Program Schedule (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.11, “Test Program Schedule”).....	14-37

14.2.9	Preoperational Test Descriptions (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.12, “Individual Test Descriptions”)	14-45
14.2.10	Startup Test Procedures (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.2.12, “Individual Test Descriptions”)	14-54
14.3	Certified Design Material (Related to RG 1.206, Section C.III.1, Chapter 14, C.I.14.3, “Inspections, Tests, Analyses, and Acceptance Criteria”)	14-57
14.3.1	Introduction	14-57
14.3.2	Summary of Application	14-57
14.3.3	Regulatory Basis	14-58
14.3.4	Technical Evaluation	14-58
14.3.5	Post Combined License Activities	14-61
14.3.6	Conclusion	14-61
15.0	ACCIDENT ANALYSIS	15-1
15.0	Accident Analysis (Related to Regulatory Guide (RG) 1.206, Section C.III.1, Chapter 15, C.I.15.1, “Transient and Accident Classification,” C.I.15.2, “Frequency of Occurrence,” C.I.15.3, “Plant Characteristics Considered in the Safety Evaluation,” C.I.15.4, “Assumed Protection System Actions,” and C.I.15.5, “Evaluation of Individual Initiating Events”)	15-1
15.0.1	Introduction	15-1
15.0.2	Summary of Application	15-1
15.0.3	Regulatory Basis	15-2
15.0.4	Technical Evaluation	15-3
15.0.5	Post Combined License Activities	15-10
15.0.6	Conclusion	15-10
15.1	Increase in Heat Removal from the Primary System (Related to RG 1.206, Section C.III.1, Chapter 15, C.I.15.6, “Event Evaluation”)	15-11
15.2	Decrease in Heat Removal By the Secondary System	15-11
15.3	Decrease in Reactor Coolant System Flow Rate	15-12
15.4	Reactivity and Power Distribution Anomalies	15-12
15.4.1	Introduction	15-12
15.4.2	Summary of Application	15-12
15.4.3	Regulatory Basis	15-13
15.4.4	Technical Evaluation	15-13
15.4.5	Post Combined License Activities	15-14
15.4.6	Conclusion	15-14
15.5	Increase in Reactor Coolant Inventory	15-15
15.6	Decrease in Reactor Coolant Inventory	15-15
15.7	Radioactive Release From a Subsystem or Component	15-16
15.7.1	Introduction	15-16
15.7.2	Summary of Application	15-16
15.7.3	Regulatory Basis	15-16
15.7.4	Technical Evaluation	15-17
15.7.5	Post Combined License Activities	15-18
15.7.6	Conclusion	15-18
15.8	Anticipated Transients Without Scram	15-18
Appendix 15A	Evaluation Models and Parameters for Analysis of Radiological Consequences of Accidents	15-19

15A.1	Introduction.....	15-19
15A.2	Summary of Application.....	15-19
15A.3	Regulatory Basis .....	15-19
15A.4	Technical Evaluation .....	15-20
15A.5	Post Combined License Activities .....	15-22
15A.6	Conclusion .....	15-23
Appendix 15B	Removal of Airborne Activity from the Containment Atmosphere Following a LOCA.....	15-24
16.0	TECHNICAL SPECIFICATIONS.....	16-1
16.1	Technical Specifications.....	16-1
16.1.1	Introduction.....	16-1
16.1.2	Summary of Application.....	16-1
16.1.3	Regulatory Basis .....	16-2
16.1.4	Technical Evaluation .....	16-2
16.1.5	Post Combined License Activities .....	16-10
16.1.6	Conclusion .....	16-10
16.2	Design Reliability Assurance Program (Related to RG 1.206, Section C.III.1, Chapter 17, C.I.17.4, "Reliability Assurance Program Guidance") .....	16-10
16.3	Investment Protection .....	16-10
16.3.1	Introduction.....	16-10
16.3.2	Summary of Application.....	16-11
16.3.3	Regulatory Basis .....	16-11
16.3.4	Technical Evaluation .....	16-11
16.3.5	Post Combined License Activities .....	16-12
16.3.6	Conclusion .....	16-12
17.0	QUALITY ASSURANCE (RELATED TO RG 1.206, SECTION C.III.1, CHAPTER 17, C.I.17, "QUALITY ASSURANCE AND RELIABILITY ASSURANCE") .....	17-1
17.1	Quality Assurance During the Design and Construction Phases .....	17-1
17.1.1	Introduction.....	17-1
17.1.2	Summary of Application.....	17-1
17.1.3	Regulatory Basis .....	17-1
17.1.4	Technical Evaluation .....	17-1
17.1.5	Post Combined License Activities .....	17-6
17.1.6	Conclusion .....	17-6
17.2	Quality Assurance During the Operations Phase .....	17-6
17.3	Quality Assurance During Design, Procurement, Fabrication, Inspection, and/or Testing of Nuclear Power Plant Items (Related to RG 1.206, Section C.III.1, Chapter 17, C.I.17.3, "Quality Assurance Program Description") .....	17-6
17.4	Design Reliability Assurance Program (Related to RG 1.206, Section C.III.1, Chapter 17, C.I.17.4, "Reliability Assurance Program Guidance") .....	17-7
17.4.1	Introduction.....	17-7
17.4.2	Summary of Application.....	17-7
17.4.3	Regulatory Basis .....	17-7
17.4.4	Technical Evaluation .....	17-8
17.4.5	Post Combined License Activities .....	17-10

	17.4.6	Conclusion .....	17-10
17.5		Quality Assurance Program Description – New License Applicants (Related to RG 1.206, Section C.III.1, Chapter 17, C.I.17.5, “Quality Assurance Program Guidance”).....	17-10
	17.5.1	Introduction.....	17-10
	17.5.2	Summary of Application.....	17-10
	17.5.3	Regulatory Basis .....	17-11
	17.5.4	Technical Evaluation .....	17-12
	17.5.5	Post Combined License Activities .....	17-36
	17.5.6	Conclusion .....	17-36
17.6		Maintenance Rule Program (Related to RG 1.206, Section C.III.1, Chapter 17, C.I.17.6, “Description of the Applicant’s Program for Implementation of 10 CFR 50.65, The Maintenance Rule”).....	17-37
	17.6.1	Introduction.....	17-37
	17.6.2	Summary of Application.....	17-37
	17.6.3	Regulatory Basis .....	17-38
	17.6.4	Technical Evaluation .....	17-38
	17.6.5	Post Combined License Activities .....	17-40
	17.6.6	Conclusion .....	17-40
18.0		HUMAN FACTORS ENGINEERING.....	18-1
18.1		Overview (No Corresponding Section in Regulatory Guide (RG) 1.206) .....	18-1
18.2		Human Factors Engineering Program Management (Related to RG 1.206, Section C.I.18.1, “HFE Program Management”).....	18-1
	18.2.1	Introduction.....	18-1
	18.2.2	Summary of Application.....	18-1
	18.2.3	Regulatory Basis .....	18-2
	18.2.4	Technical Evaluation .....	18-2
	18.2.5	Post Combined License Activities .....	18-6
	18.2.6	Conclusion .....	18-7
18.3		Operating Experience Review (Related to RG 1.206, Section C.I.18.2, “Operating Experience Review”) .....	18-7
18.4		Functional Requirements Analysis and Allocation (Related to RG 1.206, Section C.I.18.3, “Functional Requirements Analysis and Function Allocation”).....	18-7
18.5		AP1000 Task Analysis Implementation Plan (Related to RG 1.206, Section C.I.18.4, “Task Analysis”) .....	18-8
18.6		Staffing (Related to RG 1.206, Section C.I.18.5, “Staffing and Qualifications”).....	18-8
	18.6.1	Introduction.....	18-8
	18.6.2	Summary of Application.....	18-8
	18.6.3	Regulatory Basis .....	18-9
	18.6.4	Technical Evaluation .....	18-9
	18.6.5	Post Combined License Activities .....	18-14
	18.6.6	Conclusion .....	18-14
18.7		Integration of Human Reliability Analysis with Human Factors Engineering (Related to RG 1.206, Section C.I.18.6, “Human Reliability Analysis”).....	18-14
18.8		Human-System Interface Design (Related to RG 1.206, Section C.I.18.7, “Human System Interface Design”) .....	18-14
	18.8.1	Introduction.....	18-14

18.8.2	Summary of Application.....	18-15
18.8.3	Regulatory Basis .....	18-15
18.8.4	Technical Evaluation .....	18-15
18.8.5	Post Combined License Activities .....	18-16
18.8.6	Conclusion .....	18-16
18.9	Procedure Development (Related to RG 1.206, Section C.I.18.8, “Procedure Development”).....	18-16
18.10	Training Program Development (Related to RG 1.206, Section C.I.18.9, “Training Program Development”).....	18-17
18.10.1	Introduction.....	18-17
18.10.2	Summary of Application.....	18-17
18.10.3	Regulatory Basis .....	18-17
18.10.4	Technical Evaluation .....	18-17
18.10.5	Post Combined License Activities .....	18-19
18.10.6	Conclusion .....	18-19
18.11	Human Factors Engineering Verification and Validation (Related to RG 1.206, Section C.I.18.10, “Verification and Validation”).....	18-20
18.12	Inventory (No Corresponding Section in RG 1.206) .....	18-20
18.13	Design Implementation (Related to RG 1.206, Section C.I.18.11, “Design Implementation”).....	18-21
18.14	Human Performance Monitoring (Related to RG 1.206, Section C.I.18.12, “Human Performance Monitoring”).....	18-21
18.14.1	Introduction.....	18-21
18.14.2	Summary of Application.....	18-21
18.14.3	Regulatory Basis .....	18-22
18.14.4	Technical Evaluation .....	18-22
18.14.5	Post Combined License Activities .....	18-24
18.14.6	Conclusion .....	18-24
19.0	PROBABILISTIC RISK ASSESSMENT (RELATED TO RG 1.206, Section C.III.1, CHAPTER 19, C.I.19, “probabilistic risk assessment and severe accident evaluation”) .....	19-1
	19.1–19.54, 19.56–19.57, and Appendices 19A–19F Probabilistic Risk Assessment .....	19-1
19.55	Seismic Margin Analysis .....	19-3
19.55.1	Introduction.....	19-3
19.55.2	Summary of Application.....	19-3
19.55.3	Regulatory Basis .....	19-4
19.55.4	Technical Evaluation .....	19-5
19.55.5	Post Combined License Activities .....	19-6
19.55.6	Conclusion .....	19-6
19.58	Winds, Floods, and Other External Events.....	19-6
19.58.1	Introduction.....	19-6
19.58.2	Summary of Application.....	19-6
19.58.3	Regulatory Basis .....	19-7
19.58.4	Technical Evaluation .....	19-7
19.58.5	Post Combined License Activities .....	19-14
19.58.6	Conclusion .....	19-14
19.59	PRA Results and Insights .....	19-14
19.59.1	Introduction.....	19-14
19.59.2	Summary of Application.....	19-14

19.59.3	Regulatory Basis .....	19-16
19.59.4	Technical Evaluation .....	19-18
19.59.5	Post Combined License Activities .....	19-25
19.59.6	Conclusion .....	19-26

APPENDIX 19.A	LOSS OF LARGE AREAS OF THE PLANT DUE TO EXPLOSIONS OR FIRES .....	19.A-1
19.A.1	Introduction.....	19.A-1
19.A.2	Summary of Application.....	19.A-1
19.A.3	Regulatory Basis .....	19.A-2
19.A.4	Technical Evaluation .....	19.A-2
19.A.5	Post Combined License Activities .....	19.A-5
19.A.6	Conclusion .....	19.A-5
20.0	CONCLUSIONS.....	20-1

## APPENDICES

APPENDIX A.	POST COMBINED LICENSE ACTIVITIES -- LICENSE CONDITIONS, INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA, AND FINAL SAFETY ANALYSIS REPORT COMMITMENTS.....	A-1
APPENDIX B.	CHRONOLOGY OF COMBINED LICENSE APPLICATION FOR VIRGIL C. SUMMER UNITS 2 AND 3 .....	B-1
APPENDIX C.	ELECTRONIC REQUEST FOR ADDITIONAL INFORMATION DATABASE ..	C-1
APPENDIX D.	REFERENCES .....	D-1
APPENDIX E.	PRINCIPAL CONTRIBUTORS.....	E-1
APPENDIX F.	REPORT BY THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS .....	F-1



## FIGURES

Figure 2.4-1.	Peak Discharges Reported for Alston, South Carolina.....	2-293
Figure 2.4-2.	Peak Discharges Reported for Richtex, South Carolina.....	2-293
Figure 2.4-3.	Plant Site Drainage Basins and Flow Paths (FSAR Figure 2.4-261) .....	2-294
Figure 2.5.1-1.	Map of Physiographic Provinces and Mesozoic Rift Basins .....	2-295
Figure 2.5.1-2.	Potential Quaternary Features in the Site Region.....	2-296
Figure 2.5.1-3.	Local Charleston Tectonic Features .....	2-297
Figure 2.5.1-4.	Seismic Zones and Seismicity in CEUS.....	2-298
Figure 2.5.2-1.	Comparison of Events (mb > 3) from the EPRI Historical Catalog (Depicted by Yellow Circles) with Events from the Applicant's Updated Catalog (Depicted by Green Circles) .....	2-299
Figure 2.5.2-2.	UCSS Model.....	2-300
Figure 2.5.2-3.	New Madrid Faults from the Clinton ESP Source Model .....	2-301
Figure 2.5.2-4.	Mean and Median Uniform Hazard Response Spectra .....	2-302
Figure 2.5.2-5.	High-frequency (5 to 10 Hz) 10-4 Hazard Deaggregation .....	2-303
Figure 2.5.2-6.	Low-frequency (1 to 2.5 Hz) 10-4 Hazard Deaggregation .....	2-304
Figure 2.5.2-7.	High-frequency (5 to 10 Hz) 10-5 Hazard Deaggregation .....	2-305
Figure 2.5.2-8.	Low-frequency (1 to 2.5 Hz) 10-5 Hazard Deaggregation .....	2-306
Figure 2.5.2-9.	10-4 Hard Rock UHRS (Depicted by Red Circles) and 10-4 High- and Low-Frequency Response Spectra (Depicted by Solid Blue and Dashed Green Curves, Respectively) .....	2-307
Figure 2.5.2-10.	10-5 Hard Rock UHRS (Depicted by Red Circles) and 10-5 High- and Low-Frequency Response Spectra (Depicted by Solid Blue and Dashed Green Curves, Respectively) .....	2-308
Figure 2.5.2-11.	S-wave Velocity Profile for the VCSNS Unit 2 (Left) and Unit 3 (Right) Site .....	2-309
Figure 2.5.2-12.	Horizontal (Solid Blue Curve) and Vertical (Dashed Red Curve) GMRS .....	2-310
Figure 2.5.2-13.	A Comparison of Events (mb ≥ 3) from the VCSNS Site Updated Earthquake Catalog from 1985 to 2006 (Blue Circles), the USGS Earthquake Catalog from 1985 to 2006 (Red Circles), and the USGS Earthquake Catalog from 2006 to 2009 (Yellow Circles).....	2-311
Figure 2.5.2-14.	Comparison of ETSZ Mmax Distributions from the EPRI-SOG Study, the TIP Study, and the TVA Dam Safety Study (DSS) .....	2-312
Figure 2.5.2-15.	EPRI SOG Source Geometries for the ETSZ.....	2-313
Figure 2.5.2-16.	1 Hz Spectral Accelerations Predicted for M 7.3 for the EPRI (2004) Models and for the Atkinson and Boore (2006) (Referred to as AB06) and Tavakoli and Pezeshk (2005) (Referred to as TP05) References, Using the 12 “Non-general Area Source” Equations from EPRI (2004).....	2-314
Figure 2.5.2-17.	Results of the Applicant's Site Response Sensitivity Study Showing the Median and Mean Spectral Amplification Factors for 10-4 and 10-5 HF and LF Input Motions .....	2-315
Figure 2.5.3-1.	50-Mile Tectonic Features Map .....	2-319
Figure 2.5.4-1.	Example of Cross-Section of Structure Foundation for Unit 2 .....	2-320
Figure 2.5.4-2.	Example of Cross-Section of Structure Foundation for Unit 2 .....	2-321
Figure 2.5.4-3.	Shear Wave Velocity of Layer V with 5-Foot Vertical Distance Averaging .....	2-322
Figure 2.5.4-4.	At-Rest Lateral Earth Pressure Using ASCE 4-98 Method.....	2-323

## TABLES

Table 2.3.1-1.	Comparison of V.C. Summer Site Characteristics and AP1000 Site Parameters.....	2-321
Table 2.4-1.	Summary Results Showing the Impact of Sensitivity Tests on Flood Levels.....	2-322
Table 2.4-2.	Parameters Used by Applicant for Analysis of Accidental Release to Ground Water.....	2-322
Table 2.5.2-1.	Comparison of Maximum Magnitudes and Weights for the USGS and SCDOT Models with the Applicant's UCSS Model.....	2-323
Table 2.5.2-2.	Mean Magnitudes and Distances used to Construct the UHRS (Based on Information Provided in VCSNS COL FSAR Table 2.5.2-218).....	2-323
Table 2.5.4-1.	Recovery and RQD Obtained from 30 Boring Logs.....	2-324
Table 2.5.4-2.	Shear Wave Velocity.....	2-324
Table 2.5.4-3.	Summary of Main Geotechnical Design Criteria.....	2-325
Table 3.6-1.	Pipe Rupture Hazards Analysis ITAAC.....	3-94
Table 3.12-1.	Piping Design ITAAC.....	3-94
Table 8.2A-1.	Offsite Power System.....	8-39
Table 11.2-1.	Adult Total Body Dose from Normal Effluent Releases for Each Pathway.....	11-41
Table 11.2-2.	Comparison of Important Modeling Assumptions.....	11-41
Table 11.2-3.	Modeling Parameter Values*.....	11-42
Table 11.2-4.	Comparison of Maximum Individual Doses (mrem/yr).....	11-43
Table 11.2-5.	Comparison of Maximum Individual Doses to 40 CFR Part 190 (mrem/yr).....	11-43
Table 11.3-1.	Comparison of Maximum Annual Individual Doses.....	11-43
Table 11.3-2.	Comparison of Population Doses (person-rem/yr).....	11-44
Table 13.3-1.	Emergency Plan ITAAC.....	13-266
Table 13.6A-1.	Site-Specific Physical Security Inspections, Tests, Analyses and Acceptance Criteria.....	13-279
Table 15.0-1.	Power Calorimetric Uncertainty Methodology.....	15-25
Table 19-A-1.	VCSNS RAIs that Correspond to VEGP RAI Responses.....	19-A-46
Table 19-A-2.	VEGP RAIs that are Endorsed by VCSNS.....	19-A-48

## EXECUTIVE SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) regulations in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52 include requirements for licensing new nuclear power plants.<sup>3</sup> These regulations include the NRC's requirements for early site permits (ESP), design certification, and combined license (COL) applications. The ESP process (10 CFR Part 52, Subpart A, "Early Site Permits") is intended to address and resolve siting-related issues. The design certification process (10 CFR Part 52, Subpart B, "Standard Design Certifications") provides a means for a vendor to obtain NRC certification of a particular reactor design. Finally, the COL process (10 CFR Part 52, Subpart C, "Combined Licenses") allows an applicant to seek authorization to construct and operate a new nuclear power plant. A COL may reference an ESP, a certified design, both, or neither. As part of demonstrating that all applicable NRC requirements are met, a COL applicant referencing an ESP or certified design must demonstrate compliance with any requirements not already resolved as part of the referenced ESP or design certification proceeding before the NRC issues that COL.

This FSER describes the results of a review by the NRC staff of a COL application request submitted by South Carolina Electric and Gas (SCE&G or the applicant), acting on behalf of itself and as agent for the South Carolina Public Service Authority (also referred to as Santee Cooper) for two new reactors to be located at the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 site. The staff's review was to determine the applicant's compliance with the requirements of Subpart C of 10 CFR Part 52, as well as the applicable requirements under 10 CFR Parts 30, 40, and 70 governing the possession and use of applicable source, byproduct and special nuclear materials. This FSER identifies the staff's conclusions with respect to the COL safety review.

The NRC regulations also require an applicant to submit an environmental report pursuant to 10 CFR Part 51, "Environmental protection regulations for domestic licensing and related regulatory functions." The NRC reviews the environmental report as part of the Agency's responsibilities under the National Environmental Policy Act of 1969, as amended. The NRC presents the results of that review in a final environmental impact statement (FEIS), which is a report separate from this FSER. The staff's FEIS, NUREG-1939, "Final Environmental Impact Statement for Combined Licenses (COLs) for Virgil C. Summer Nuclear Station Units 2 and 3," was issued in April 2011, and can be accessed through the Agencywide Documents Access and Management System (ADAMS) at ML11098A044 and ML11098A057.<sup>4</sup>

By letter dated March 27, 2008, the SCE&G, acting on behalf of itself and as agent for the South Carolina Public Service Authority (also referred to as Santee Cooper), submitted its application to the NRC for COLs for two AP1000 advanced passive pressurized-water reactors (PWRs) (ADAMS Accession No. ML081300460) to be located at the VCSNS site. SCE&G identified the two units as VCSNS Units 2 and 3. The VCSNS site is located in Fairfield County, South Carolina, approximately 15 miles west of the county seat of Winnsboro and 26 miles northwest

---

<sup>3</sup> Applicants may also choose to seek a construction permit (CP) and operating license in accordance with 10 CFR Part 50, "Domestic licensing of production and utilization facilities," instead of using the 10 CFR Part 52 process.

<sup>4</sup> Agencywide Documents Access and Management System (ADAMS) is the NRC's information system that provides access to all image and text documents that the NRC has made public since November 1, 1999, as well as bibliographic records (some with abstracts and full text) that the NRC made public before November 1999. Documents available to the public may be accessed via the Internet at <http://www.nrc.gov/reading-rm/adams/web-based.html>. Documents may also be viewed by visiting the NRC's Public Document Room at One White Flint North, 11555 Rockville Pike, Rockville, Maryland. Telephone assistance for using web-based ADAMS is available at (800) 397-4209 between 8:30 a.m. and 4:15 p.m., Eastern Time, Monday through Friday, except Federal holidays. The staff is also making this FSER available on the NRC's new reactor licensing public web site at <http://www.nrc.gov/reactors/new-reactors/col/summer/documents/ser-final.html>

of Columbia, the state capital. VCSNS Units 2 and 3 will be located approximately 1 mile from the center of VCSNS Unit 1.

The initial application incorporated by reference 10 CFR Part 52, Appendix D, "Design Certification Rule for the AP1000 Design," and the Westinghouse Electric Corporation's (Westinghouse's) application for amendment of the AP1000 design, as supported by Revision 16 of the Design Control Document (DCD). The initial application also incorporated by reference Westinghouse Technical Report (TR)-134, APP-GW-GLR-134, "AP1000 DCD Impacts to Support COLA Standardization," Revision 4, which was submitted on March 20, 2008. Subsequent to the initial application, in a letter dated June 28, 2011, SCE&G submitted Revision 5 of the application that incorporates by reference AP1000 DCD Revision 19. The results of the NRC staff's evaluation of the AP1000 DCD are documented in NUREG-1793, "Final Safety Evaluation Report Related to Certification of the AP1000 Standard Design," and its supplements.

The staff has identified in Appendix A to this FSER, certain license conditions, and inspections, tests, analyses and acceptance criteria (ITAAC) that the staff recommends the Commission impose, should COLs be issued to the applicant. Appendix A includes those proposed ITAAC that are discussed in this FSER. In addition to the ITAAC in Appendix A, the ITAAC found in the AP1000 DCD Revision 19 Tier 1 material will also be incorporated into the COLs should COLs be issued to the applicant.

Inspections conducted by the NRC have verified, where appropriate, the conclusions in this FSER. The inspections focused on selected information in the COL application and its references. The FSER identifies applicable inspection reports as reference documents.

The NRC's Advisory Committee on Reactor Safeguards (ACRS) also reviewed the bases for the conclusions in this report. The ACRS independently reviewed those aspects of the application that concern safety, as well as the advanced safety evaluation report without open items (an earlier version of this document), and provided the results of its review to the Commission in a report dated February 17, 2011. Appendix F includes a copy of the report by the ACRS on the COL application, as required by 10 CFR 52.87, "Referral to the Advisory Committee on Reactor Safeguards (ACRS)."

## ABBREVIATIONS

$\chi/Q$	atmospheric dispersion
A2LA	American Association for Laboratory Accreditation
ac	alternating current
ACI	American Concrete Institute
ACP	access control point
ACRS	Advisory Committee on Reactor Safeguards
ADAMS	Agencywide Documents Access and Management System
ADS	automatic depressurization system
AE	architect-engineer
AEA	Atomic Energy Act of 1954
AEO	Annual Energy Outlook
AFB	Air Force Base
AFFF	aqueous film forming foam
ALARA	as low as is reasonable achievable
ALI	annual limit on intake
ALWR	advanced light-water reactor
ANI	American Nuclear Insurers
ANS	Alert and Notification Systems
ANS	American Nuclear Society
ANSI	American National Standards Institute
ANSS	Advanced National Seismic System
AOO	anticipated operational occurrence
AOV	air-operated valve
API	American Petroleum Institute
ASCE	American Society of Civil Engineers
ASE	advanced safety evaluation
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ATE	advisory to evacuate
ATWS	anticipated transients without scram
AWWA	American Water Works Association
B&PV	Boiler and Pressure Vessel (ASME BPV Code)
BDBE	beyond-design basis event
BL	Bulletin
BLN	Bellefonte Nuclear Station
BLRA	Base Load Review Act
BOP	balance of plant
bpf	blows per foot
BTP	Branch Technical Position
BWR	boiling-water reactor
C	Celsius
C&C	command & control
CAE	Columbia Metropolitan Airport

CAS	central alarm station
CAV	cumulative absolute velocity
CCS	component cooling water system
CDA	critical digital asset
CDF	core damage frequency
CDI	conceptual design information
CDM	certified design material
CECC	Central Emergency Control Center
CEUS	Central and Eastern United States
CFR	<i>Code of Federal Regulations</i>
cfs	cubic feet per second
cGy	centigray
cm	centimeters
CMT	core makeup tank
COL	combined license
CP	construction permit
CPSZ	Central Piedmont Shear Zone
CPT	cone penetration test
CR	control room
CRDM	control rod drive mechanism
CRDS	control rod drive system
CS	containment system
CS	core supports
CS	critical system
CSA	control support area
CSDRS	certified seismic design response spectra
CSP	Cyber Security Plan
CST	cyber security team
CTA	critical target area
CVCS	chemical and volume control system
CVS	portions of chemical and volume control system
CWIP	construction work in process
CWS	circulating water system
DAC	derived air concentration
DAS	Diverse Actuation System
DBA	design-basis accident
DBE	design-basis event
DBT	design-basis threat
dc	direct current
DC	design certification
DCA	design certification amendment
DCD	design control document
DCP	Design Change Package
DCRA	design-centered review approach
DECLG	double-ended cold leg guillotine
DECT	Digital Enhanced Cordless Telecommunication
DEIS	Draft Environmental Impact Statement
DEP	Departure
DEP	dose evaluation periphery
DG	diesel generator

DHEC	Department of Health and Environmental Control
DHS	Department of Homeland Security
DNBR	departure from nucleate boiling ratio
DOE	Department of Energy
DOT	Department of Transportation
D-RAP	Design Reliability Assurance Program
DTS	demineralized water treatment system
DWS	demineralized water system
EAB	exclusion area boundary
EAL	emergency action level
EAS	Emergency Alert System
ECCS	emergency core cooling system
ECFS	East Coast Fault System
ECMA	East Coast Magnetic Anomaly
ED	Emergency Director
EDMG	Extensive Damage Mitigation Guidelines
EIA	Energy Information Agency
EIS	Environmental Impact Statement
EI.	Elevation
ELS	plant lighting system
ENS	Emergency Notification System
EOC	emergency operation center
EOF	emergency operations facility
EOP	emergency operating procedure
EOP	emergency operating plan
EP	Emergency Plan
EP	emergency planning
EPA	Environmental Protection Agency
EPAct	Energy Policy Act of 2005
EPC	engineering, procurement, and construction
EPFZ	Eastern Piedmont fault zone
EPI	emergency public information
EPIO	Emergency Public Information Office
EPIP	emergency plan implementing procedure
EP-ITAAC	emergency planning-inspections, tests, analyses, and acceptance criteria
EPM	Emergency Plant Manager
EPOS	Emergency Plant Operations Supervisor
EPRI	Electric Power Research Institute
EPZ	emergency planning zone
EQ	environmental qualification
EQMEL	Environmental Qualification Master Equipment List
ER	Environmental Report
ERDS	emergency response data system
ERF	emergency response facility
ERO	emergency response officer
ERO	Emergency Response Organization
ESF	emergency support function
ESF	engineered safety feature
ESP	Early Site Permit
ESSX	Electric Switch System Exchange

EST	earth science team
ETE	evacuation time estimate
ETSZ	Eastern Tennessee Seismic Zone
F	Fahrenheit
FAA	Federal Aviation Administration
FAC	flow-accelerated corrosion
FBI	Federal Bureau of Investigation
FCEMS	Fairfield County Emergency Medical Services
FDT	fire dynamics tool
FDW	Fairfield County Airport
FEIS	final environmental impact statement
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FFD	fitness for duty
FIRS	foundation input response spectra
FIV	flow induced vibration
FMCRD	fine motion control rod drive
FMEA	failure mode and effects analysis
FP	fire protection
fps	feet per second
FPS	fire protection system
FPSF	Fairfield Pumped Storage Facility
FR	<i>Federal Register</i>
FRS	floor response spectra
FS	factory of safety
FSAR	final safety analysis report
FSER	final safety evaluation report
ft	feet
FTS	Federal Telecommunications System
GDC	General Design Criteria (Criterion)
GIS	geographical information system
GL	Generic Letter
GMRS	ground motion response spectra
gpm	gallons per minute
GSI	Generic Safety Issue
GSU	generator step-up
GTS	generic technical specification
GWMS	gaseous waste management system
HCCWS	high capacity chilled water subsystem
HCLPF	high confidence, low probability of failure
HCM	Highway Capacity Manual
HCU	hydraulic control unit
HDPE	high-density polyethylene
HEPA	high efficiency particulate air
HFE	human factors engineering
HMR	Hydro-meteorological Report
HP	health physics
HPN	Health Physics Network



HPS	Health Physics Society
HR	hard rock
HRA	human reliability analysis
HRHF	hard rock high frequency
HSI	human-system interface
HV	high voltage
HVAC	heating, ventilation, and air conditioning
Hz	Hertz
I&C	instrumentation and control
IBC	International Building Code
ICMO	interim compensatory order
IDLH	immediate danger to life and health
IED	Interim Emergency Director
IEEE	Institute of Electrical and Electronic Engineers
IFR	Interim Findings Report
IGSCC	intergranular stress corrosion cracking
IHP	integrated head package
IIS	incore instrumentation system
ILAC	International Laboratory Accreditation Cooperation
in	inch
INPO	Institute of Nuclear Power Operations
IPEEE	Individual Plant Examination of External Events
IPSAC	Investment Protection Short-Term Availability Control
IPZ	ingestion pathway emergency planning zone
IRWST	in-containment refueling water storage tank
ISA	independent safety assessment
ISA	Instrument Society of America
ISFSI	independent spent fuel storage installation
ISG	Interim Staff Guidance
ISI	inservice inspection
ISRS	in-structure response spectra
IST	inservice testing
ITAAC	inspections, tests, analyses, and acceptance criteria
ITP	Initial Test Program
JFD	joint frequency distribution
JIC	Joint Information Center
JOG	Joint Owners Group
JTWG	Joint Test Working Group
kg/m <sup>3</sup>	kilogram per cubic meter
KI	potassium iodide
km	kilometers
kPa	kilopascal
ksf	kips per square foot
ksi	kilopascal per square inch
kV	kilovolt
kVA	kilovolt amp
kWe	kilowatt electric

LAN	Local Area Network
lb/ft <sup>2</sup>	pounds per square foot
LBB	leak-before-break
LCCWS	low capacity chilled water subsystem
LCD	Local Climatological Data
LCEMS	Lexington County Emergency Medical Services
LCO	limiting condition for operation
LEFM	Leading Flow Edge Meter
LLEA	local law enforcement agency
LLHS	light load handling system
LLNL	Lawrence Livermore National Laboratory
LOA	letter of agreement
LOCA	loss-of-coolant accident
LOLA	loss of large area
LOOP	loss of offsite power
LPZ	low population zone
LRF	large release frequency
LSS	low strategic significance
LTOP	low-temperature overpressure protection
LWA	Limited Work Authorization
LWMS	liquid waste management system
LWR	light-water reactor

<b>M</b>	magnitude
m	meter
m/s	meters per second
m <sup>3</sup> /s	cubic meters per second
Ma	million years ago
m <sub>b</sub>	body-wave magnitude
Mbtu/hr	one million British thermal units/hour
MC	metal containment
MC&A	material control and accounting
MCL	Management Counterpart Link
MCR	main control room
M <sub>d</sub>	duration magnitude
MEI	maximally exposed individual
MERT	Medical Emergency Response Team
mGy	milliGray
mi	miles
MIT	Massachusetts Institute of Technology
M <sub>L</sub>	local magnitude
mm	millimeters
MMI	Modified Mercalli Intensity
M-O	Mononobe-Okabe
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOV	motor-operated valve
MOX	mixed-oxide
MPA	methoxypropylamine
mph	miles per hour
MR	Maintenance Rule

MRA	Mutual Recognition Arrangement
mrad	millirad
mrem	millirem
MSD	Mitigative Strategies Description
msl	mean sea level
MSLB	main steam line break
MSSS	main steam supply system
MST	Mitigative Strategies Table
mSv	milliSievert
MT	magnetic particle
MUR	measurement uncertainty recapture
MVA	megavolt ampere
MVAR	mega volt amp reactive
MW	megawatts
MWe	megawatts electric
MWt	megawatts thermal
my	million years
N	North
NCDC	National Climatic Data Center
NDCT	natural draft cooling tower
NDL	nuclear data link
NEA	Nuclear Energy Agency
NEI	Nuclear Energy Institute
NERC	North American Electric Reliability Corporation
NFPA	National Fire Protection Association
NI	nuclear island
NIRMA	Nuclear Information and Records Management Association
NIST	National Institute of Standards and Technology
NMSZ	New Madrid Seismic Zone
NND	new nuclear deployment
NNS	non-nuclear safety
NOAA	National Oceanic and Atmospheric Administration
NOV	Notice of Violation
NPPENF	Nuclear Power Plant Emergency Notification Form
NRC	U.S. Nuclear Regulatory Commission
NRF	National Response Framework
NRO	Office of New Reactors
NS	nonseismic
NSSS	nuclear steam supply system
NSSS	nuclear steam system supplier
NUMARC	Nuclear Management and Resources Council
NVLAP	National Voluntary Laboratory Accreditation Program
NWS	National Weather Service
NYAL	New York-Alabama
OBE	operating basis earthquake
OCA	owner controlled area
ODCM	Offsite Dose Calculation Manual
OE	operating experience
OER	operating experience review

OHLHS	overhead heavy load handling system
OM	Operation and Maintenance (ASME OM Code)
OPRAA	operational phase reliability assurance activity
ORE	occupational radiation exposure
ORM	Onsite Radiation Manager
OSC	Operational Support Center
OSHA	Occupational Safety and Health Administration
PA	protected area
PAD	protective action decision
PAG	protective action guideline
PAP	primary access point
PAR	protective action recommendation
PAZ	protective action zone
PBA	power block area
PBAC	power block area circle
PBX	Private Branch Exchange
PCCAWST	passive containment cooling ancillary water storage tank
PCCWST	passive containment cooling water storage tank
pcf	pounds per cubic foot
PCP	Process Control Program
PCS	passive containment cooling system
PDP	procedure development program
PF	performance goal
PGA	peak ground acceleration
PGP	procedures generation package
PM	preventive maintenance
PMCL	Protective Measures Counterpart Link
PMF	probable maximum flood
PMH	probable maximum hurricane
PMP	probable maximum precipitation
PMS	protection and safety monitoring
PMT	probable maximum tsunami
PMWP	probable maximum winter precipitation
PMWS	probable maximum wind storm
PORV	power-operated relief valve
POV	power-operated valve
ppm	parts per million
PRA	probabilistic risk assessment
PRHR	passive residual heat removal
P-S	primary-shear velocity
psf	pounds per square foot
PSHA	probabilistic seismic hazard analysis
PSI	preservice inspection
psi	pounds per square inch
psig	pounds per square inch gauge
PS-ITAAC	physical security inspections, tests, analyses, and acceptance criteria
PSP	Physical Security Plan
P-T	pressure temperature
PT	liquid penetrant
PT&O	plant test and operations

PTLR	pressure-temperature limits report
PTS	pressurized thermal shock
PTS	plant-specific technical specifications
PVC	polyvinyl chloride
PWR	pressurized-water reactor
PWS	potable water system
PWSCC	primary water stress corrosion cracking
PXS	passive core cooling system
QA	quality assurance
QAPD	Quality Assurance Program description
QAPD	Quality Assurance Program Document
QC	quality control
QDF	queue discharge flow
QG	quality group
RAI	request for additional information
RAP	reliability assurance program
RAT	reserve auxiliary transformer
RCCA	rod cluster control assembly
RCL	reactor coolant loop
RCM	Response Coordination Manual
RCOL	reference combined license
RCP	reactor coolant pump
RCPB	reactor coolant pressure boundary
RCS	reactor coolant system
RCTS	resonant column torsional shear
REAC/TS	Radiation Emergency Assistance Center/Training Site
rem	roentgen equivalent man
REP	radiological emergency preparedness
RG	regulatory guide
RIS	Regulatory Issue Summary
RLE	review-level earthquake
RMS	radiation monitoring system
RNS	residual heat removal system
RO	reactor operator
RPP	Radiation Protection Program
RPV	reactor pressure vessel
RQD	rock quality designation
RRS	required response spectrum
RSCL	Reactor Safety Counterpart Link
RTDP	revised thermal design procedure
RTM	Response Technical Manual
RT <sub>NDT</sub>	nil-ductility reference transition temperature
RTNSS	regulatory treatment of nonsafety systems
RTP	rated thermal power
RT <sub>PTS</sub>	pressurized thermal shock reference temperature
RV	reactor vessel
RVSP	reactor vessel surveillance capsule program
RWS	raw water system
RXS	reactor system

S&PC	steam and power conversion
SACTI	Seasonal/Annual Cooling Tower Impact
SAMG	severe accident management guidance
SAR	safety analysis report
SAS	secondary alarm station
SAT	systematic approach to training
SBO	station blackout
SC	South Carolina
SCBA	self-contained breathing apparatus
SCDHEC	South Carolina Department of Health and Environmental Control
SCDNR	South Carolina Department of Natural Resources
SCDOT	South Carolina Department of Transportation
SCDPRT	South Carolina Department of Parks, Recreation, and Tourism
SCE&G	South Carolina Electric and Gas Company
SCEMD	South Carolina Emergency Management Division
SCFFMP	South Carolina Fire Fighter Mobilization Plan
SCOL	subsequent combined license
SCP	Safeguards Contingency Plan
SCPSC	South Carolina Public Service Commission
SCSCO	South Carolina State Climatology Office
SCSN	South Carolina State Network
SDS	sanitary drainage system
SDWIS	Safe Drinking Water Information System
SE	safety evaluation
SEC	Securities and Exchange Commission
SECY	Secretary of the Commission, Office of the Nuclear Regulatory Commission
SEI	Structural Engineering Institute
SEPA	Southeastern Power Administration
SER	safety evaluation report
SERC	Southeastern Electric Reliability Council
SEUSSN	South Eastern United States Seismic Network
SFP	spent fuel pool
SFS	spent fuel pool cooling system
SG	steam generator
SGI	safeguards information
SGTR	steam generator tube rupture
SMA	seismic margin analysis
SNC	Southern Nuclear Operating Company
SNM	special nuclear material
SNMPPP	Special Nuclear Material Physical Protection Program
SOG	Seismicity Owners Group
SOT	station orientation training
SP	Setpoint Program
SPDS	safety parameter display system
SPT	standard penetration test
sq mi	square mile
SR	surveillance requirement
SRM	Staff Requirements Memorandum
SRO	senior reactor operator
SRP	standard review plan

SSAR	Site Safety Analysis Report
SSCs	structures, systems, and components
SSE	safe shutdown earthquake
SSEP	safety, security and/or emergency preparedness
SSHAC	Senior Seismic Hazard Analysis Committee
SSI	soil-structure interaction
SS-ITAAC	site-specific inspections, tests, analyses and acceptance criteria
SSRS	square root sum of squares
STD	Standard
STS	standard technical specification
SUNSI	Sensitive Unclassified Non-Safeguards Information
SUP	Supplement
Sv	Sievert
SWMS	solid waste management system
SWS	service water system
T&QP	Training and Qualification Plan
TAG	Technical Advisory Group
TCP	traffic control point
TCS	turbine building closed cooling water system
TEDE	total effective dose equivalent
TG	turbine-generator
TGS	turbine generator system
TIP	Trial Implementation Project
TLD	thermoluminescent dosimeter
TMI	Three Mile Island
TR	technical report
TRS	test response spectrum
TS	technical specification
TSC	Technical Support Center
TSO	transmission system operator
TSTF	Technical Specification Task Force Traveler
TSTF	Technical Specification Task Force
TVA	Tennessee Valley Authority
U	unconfined compressive strength
UAT	unit auxiliary transformer
UBC	Uniform Building Code
UCSS	updated Charleston seismic source
UFM	ultrasonic flow meter
UFSAR	Updated Final Safety Analysis Report
UHRS	uniform hazard response spectra
UHS	ultimate heat sink
UPS	uninterruptible power supply
USACE	United States Army Corps of Engineers
USE	upper shelf energy
USGCRP	United States Global Change Research Program
USGS	United States Geological Survey
UT	ultrasonic
UTM	universal transverse Mercator

V&V	verification and validation
V/H	vertical-to-horizontal
VACAR	Virginia-Carolina
VAR	volt amp reactive
VBS	nuclear island nonradioactive ventilation system
VBS	vehicle barrier system
VCSNS	V.C. Summer Nuclear Station
Vdc	volts direct current
VEGP	Vogtle Electric Generating Plant
VES	main control room emergency habitability system
VFS	containment air filtration system
VHRA	very high radiation area
$V_p$	compression wave velocity
VPN	Virtual Private Network
$V_s$	shear wave velocity
WWS	chilled water system
W	West
WAC	waste acceptance criteria
WCAP	Westinghouse Commercial Atomic Power
WEC	Westinghouse Electric Company
WLS	liquid radwaste system
WWRB	waste water retention basin
WWS	waste water system
YFS	yard fire system
ZPA	zero period acceleration



## 20.0 CONCLUSIONS

In accordance with Subpart C, "Combined License," of Title 10 of the Code of Federal Regulations (10 CFR), Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants," the staff of the U.S. Nuclear Regulatory Commission reviewed the combined license (COL) application submitted by South Carolina Electric and Gas, for the Virgil C. Summer Nuclear Station Units 2 and 3. Based on the staff's evaluation documented in this final safety evaluation report (FSER), the staff finds the following with respect to the safety aspects<sup>5</sup> of the COL application:

- 1) The applicable standards and requirements of the Atomic Energy Act and Commission's regulations have been met,
- 2) Required notifications to other agencies or bodies have been duly made,
- 3) There is reasonable assurance that the facility will be constructed and will operate in conformity with the license, the provisions of the Atomic Energy Act, and the Commission's regulations,
- 4) The applicant is technically and financially qualified to engage in the activities authorized, and,
- 5) Issuance of the license will not be inimical to the common defense and security or to the health and safety of the public.

---

<sup>5</sup> An environmental review was also performed of the COL application and its evaluation and conclusions are documented in NUREG-1939, "Final Environmental Impact Statement for Combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3," dated April 2011.



## Appendix A

### Post COL Activities

#### License Conditions, Inspections, Tests, Analyses, and Acceptance Criteria, and Final Safety Analysis Report Commitments

##### A.1 License Conditions

The Nuclear Regulatory Commission's (NRC's) regulations at Title 10 of the *Code of Federal Regulations* (10 CFR) 52.97, "Issuance of combined licenses," requires a combined license (COL) to specify any terms and conditions of the COL the Commission deems appropriate. A license condition is not needed when an existing NRC regulation requires a future regulatory review of a matter to ensure adequate safety during design, construction, inspection activities or operation for a new plant. The staff is proposing that the Commission include the following license conditions, which are set forth below, to control various safety matters.

Proposed License Condition	SER Section	Description
1-1	1.5.5	<p>Subject to the conditions and requirements incorporated herein, the Commission hereby licenses South Carolina Electric and Gas (SCE&amp;G):</p> <p>(a) (i) Pursuant to the Act and 10 CFR Part 70, to receive and possess at any time, special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, described in the final safety analysis report (FSAR), as supplemented and amended;</p> <p>(ii) Pursuant to the Act and 10 CFR Part 70, to use special nuclear material as reactor fuel, after a Commission finding under 10 CFR 52.103(g) has been made, in accordance with the limitations for storage and amounts required for reactor operation, and described in the FSAR, as supplemented and amended;</p> <p>(b) (i) Pursuant to the Act and 10 CFR Parts 30, and 70, to receive, possess, and use, at any time, before a Commission finding under 10 CFR 52.103(g), such byproduct, source, and special nuclear material as: sealed neutron sources for reactor startup; sealed sources for reactor instrumentation and radiation monitoring equipment calibration; and fission detectors in amounts as necessary;</p>

Proposed License Condition	SER Section	Description
		<p>(ii) Pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use, after a Commission finding under 10 CFR 52.103(g), any byproduct, source, and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment, calibration, and as fission detectors in amounts as necessary;</p> <p>(c) (i) Pursuant to the Act and 10 CFR Parts 30, and 70, to receive, possess, and use before a Commission finding under 10 CFR 52.103(g), in amounts not exceeding those specified in 10 CFR 30.72, any byproduct, source, or special nuclear material that is (1) in unsealed form; (2) on foils or plated surfaces, or (3) sealed in glass, for sample analysis or instrument calibration or other activities associated with radioactive apparatus or components;</p> <p>(ii) Pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use, after a Commission finding under 10 CFR 52.103(g), in amounts as required, any byproduct, source, or special nuclear material without restriction as to chemical or physical form, for sample analysis or instrument calibration or other activity associated with radioactive apparatus or components, but does not uranium hexafluoride; and</p> <p>(d) pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.</p>
1-2	1.5.5	<p>Prior to initial receipt of special nuclear materials (SNM) onsite, the licensee shall implement the SNM Material Control and Accounting program. No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the SNM Material Control and Accounting program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the SNM Material Control and Accounting program has been fully implemented.</p>
1-3	1.5.5	<p>No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO, a schedule that supports planning for and conduct of NRC inspection of the non-licensed plant staff training program. The schedule shall be updated every</p>

Proposed License Condition	SER Section	Description
		6 months until 12 months before scheduled fuel loading, and every month thereafter until the non-licensed plant staff training program has been fully implemented.
1-4	1.5.5	Prior to initial receipt of SNM on site, the licensee shall implement the SNM physical protection program. No later than 12 months after issuance of the COL, the licensee shall submit to the Director of the Office of New Reactors (NRO), a schedule that supports planning for and conduct of NRC inspection of the SNM physical protection program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the SNM physical protection program has been fully implemented.
1-5	1.5.5	The licensee shall not revise or modify the provisions of Sections 5.3, 5.4, 5.6, 5.9 and 5.10 of the Special Nuclear Material (SNM) Physical Protection Plan until the requirements of 10 CFR 73.55 are implemented.
2.5.1-1	2.5.1.5	The applicant must perform geologic mapping of future excavations for safety-related structures; evaluate any geologic features discovered in these excavations; and notify the NRC once excavations for safety-related structures are open for examination by the NRC staff. (Note in accordance with Section 2.5.1.4.2 of this SER this license condition is not applicable to VCSNS Unit 2).
3-1	3.6.5	Prior to installation of the piping and connected components in their final location, the licensee shall complete the as-designed pipe rupture hazards analysis in accordance with the criteria outlined in the AP1000 Design Control Document (DCD), Sections 3.6.1.3.2 and 3.6.2.5.
3-2	3.7.2.5	Prior to initial fuel load, the licensee shall update the seismic interaction review in the AP1000 DCD Section 3.7.3.5 for as-built information. This review must be performed in parallel with the seismic margin evaluation. The review shall be based on as-procured data, as well as the as-constructed condition.
3-3	3.7.2.5	Prior to initial fuel load the licensee shall reconcile the seismic analyses described in Section 3.7.2 of the AP1000 DCD for detailed design changes, such as those due to as-procured or as-built changes in component mass, center of gravity, and support configuration based on as-procured equipment information. The acceptability of deviations must be based on an evaluation consistent with the methods and procedures in Section 3.7 of the AP1000 DCD provided that the amplitude of the seismic floor response spectra (FRS), including the effects due to these deviations, does not exceed the design basis FRS by more than 10 percent.
3-4	3.8.5.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the

Proposed License Condition	SER Section	Description
		implementation of construction and inspection procedures for steel concrete composite (SC) construction activities for seismic Category I nuclear island modules (including shield building SC modules) before and after concrete placement, and inspection of such construction before and after concrete placement. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the procedures program have been fully implemented.
3-5	3.9.6.5	Prior to initial fuel load, the licensee shall implement the Preservice Testing and the motor-operated valve (MOV) Testing Programs.
3-6	3.9.6.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Inservice Testing Program (including preservice and MOV testing). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the Inservice Testing Program (including preservice and MOV testing) has been fully implemented.
3-7	3.11.5	Prior to initial fuel load, the licensee shall implement the Environmental Qualification Program.
3-8	3.11.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Environmental Qualification Program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the Environmental Qualification Program has been fully implemented.
3-9	3.12.5	Prior to installation of the piping and connected components in their final location, the licensee shall complete the as-designed piping analysis for the piping lines chosen to demonstrate all aspects of the piping design as identified in FSAR Section 3.9.8 and shall inform the Director of NRO of the availability of the piping design information and design reports for the piping packages.
4-1	4.5	Prior to initial fuel load, the licensee shall calculate the instrumentation uncertainties of the actual plant operating instrumentation to confirm that either the design limit departure from nucleate boiling ratio (DNBR) values remain valid or that the safety analysis minimum DNBR bounds the new design limit DNBR values plus DNBR penalties, such as rod bow penalty.
5-1	5.2.4.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Preservice Inspection (PSI)/Inservice Inspection (ISI) Programs (including the augmented ISI Program). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and

Proposed License Condition	SER Section	Description
		every month thereafter until either the PSI/ISI Programs (including the augmented ISI Program) have been fully implemented or the plant has been placed in commercial service, whichever comes first.
5-2	5.3.2.5	The licensee shall implement the Reactor Vessel (RV) Material Surveillance Program prior to initial criticality.
5-3	5.3.2.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the RV Material Surveillance program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the RV Material Surveillance Program has been fully implemented..
5-4	5.3.3.5	Prior to initial fuel load, the licensee shall update the pressure temperature (P-T) limits using the pressure temperature limits report (PTLR) methodologies approved in the AP1000 DCD using the plant-specific material properties or confirm that the RV material properties meet the specifications and use the Westinghouse generic PTLR curves.
5-5	5.3.4.5	Prior to initial fuel load, the licensee shall complete verification of plant-specific belt line material properties consistent with the requirements in FSAR Section 5.3.3.1 and FSAR Tables 5.3-1 and 5.3-3. The verification shall include a pressurized thermal shock (PTS) evaluation based on as-procured RV material data and the projected neutron fluence for the plant design objective of 60 years. This evaluation report shall be submitted for an NRC staff review at least 18 months prior to initial fuel load.
5-6	5.4.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Steam Generator (SG) PSI/ISI Program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until either the SG PSI/ISI Program has been fully implemented or the plant has been placed in commercial service, whichever comes first.
6-1	6.2.5	The licensee shall implement the Containment Leakage Rate Testing Program prior to initial fuel load.
6-2	6.2.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Containment Leakage Rate Testing Program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the Containment Leakage Rate Testing Program has been fully implemented.
6-3	6.6.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the PSI and ISI

Proposed License Condition	SER Section	Description
		Programs. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until either the PSI and ISI Programs have been fully implemented or the plant has been placed in commercial service, whichever comes first.
9-1	9.1.2.5	Prior to initial fuel load, the licensee shall implement the spent fuel rack metamic coupon monitoring program. No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Spent Fuel Rack Metamic Coupon Monitoring Program implementation. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the Spent Fuel Rack Metamic Coupon Monitoring Program has been fully implemented.
9-2	9.5.1.5	<p>The licensee shall implement the Fire Protection (FP) Program or portions of the FP Program identified below on or before the associated milestones identified below:</p> <ul style="list-style-type: none"> <li>• Applicable portions of the FP Program – prior to initial receipt of byproduct, source, or special nuclear materials onsite (excluding Exempt Quantities as described in 10 CFR 30.18).</li> <li>• Applicable portions of the FP Program – prior to initial receipt of fuel onsite.</li> <li>• FP Program – prior to initial fuel load.</li> </ul>
9-3	9.5.1.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of the NRO a schedule that supports planning for and conduct of NRC inspections of the FP Program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the FP Program has been fully implemented.
10-1	10.1.5	Prior to initial fuel load, the licensee shall implement the flow accelerated corrosion (FAC) program including construction phase activities. No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the FAC Program implementation including the construction phase activities. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the FAC Program has been fully implemented.
10-2	10.2.5	Prior to initial fuel load, the licensee shall implement a turbine maintenance and inspection program, which will be consistent with the maintenance and inspection program plan activities and inspection intervals identified in FSAR Section 10.2.3.6. No later than 12 months after issuance of the COL, the licensee shall



Proposed License Condition	SER Section	Description
		submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the turbine maintenance and inspection program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the turbine maintenance and inspection program has been fully implemented.
11-1	11.4.5	Prior to initial fuel load, the licensee shall implement an operational program for process and effluent monitoring and sampling. The program shall include the subprogram and documents for a Process Control Program.
11-2	11.4.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the operational program for process and effluent monitoring and sampling (including process control program). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the operational program for process and effluent monitoring and sampling (including process control program) has been fully implemented.
11-3	11.5.5	<p>Prior to initial fuel load, the licensee shall implement an operational program for process and effluent monitoring and sampling. The program shall include the following subprograms and documents:</p> <ul style="list-style-type: none"> <li>• Radiological Effluent Technical Specifications/Standard Radiological Effluent Controls</li> <li>• Offsite Dose Calculation Manual</li> <li>• Radiological Environmental Monitoring Program</li> </ul>
11-4	11.5.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the operational program for process and effluent monitoring and sampling (including Radiological Effluent Technical Specifications/Standard Radiological Effluent Controls, Offsite Dose Calculation Manual, and Radiological Environmental Monitoring Program). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the above operational program has been fully implemented.
12-1	12.5-5	<p>The licensee shall implement the Radiation Protection Program (RPP) including the as low as is reasonably achievable (ALARA) principle (or applicable portions thereof) on or before the associated milestones identified below:</p> <ol style="list-style-type: none"> <li>a. Receipt of Materials – Prior to initial receipt of byproduct, source, or special nuclear materials onsite (excluding</li> </ol>

Proposed License Condition	SER Section	Description
		<p>exempt quantities as described in 10 CFR 30.18, "Exempt quantities")</p> <ul style="list-style-type: none"> <li>• Fuel Receipt – Prior to initial receipt of fuel onsite</li> <li>• Fuel Loading – Prior to initial fuel load</li> <li>• Waste Shipment – Prior to initial radioactive waste shipment</li> </ul>
12-2	12.5.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the operational program (RPP). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until this operational program has been fully implemented.
13-1	13.2.5	The licensee shall implement the Reactor Operator Training Program at least 18 months prior to the scheduled date of initial fuel load.
13-2	13.2.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspection of the operational programs (the Non-Licensed Plant Staff Training Program (required in accordance with 10 CFR 50.120), Reactor Operator Training Program, and Reactor Operator Requalification Program). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until these operational programs have been fully implemented.
13-3	13.3.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspection of the Emergency Planning (EP) Program implementation. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the EP operational program has been fully implemented.
13-4	13.3.5	The licensee shall submit a fully developed set of plant-specific emergency action levels (EALs) for VCSNS Units 2 and 3 in accordance with Nuclear Energy Institute (NEI) 07-01, "Methodology for Development of Emergency Action Levels Advanced Passive Light Water Reactors," Revision 0, with no deviations. The EALs shall have been discussed and agreed upon with State and local officials. These fully developed EALs shall be submitted to the NRC for confirmation at least 180 days prior to initial fuel load.
13-5	13.6.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports

Proposed License Condition	SER Section	Description
		planning for and conduct of NRC inspection of the physical security programs. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the physical security program has been fully implemented.
13-6	13.7.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspection of the fitness for duty (FFD) operational program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the FFD operational program has been fully implemented.
13-7	13.8.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Cyber Security Program implementation. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the Cyber Security Program has been fully implemented.
14-1	14.2.3.5	No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the approved preoperational and startup procedures (including the site-specific startup administration manual.) The schedule shall be updated every 6 months until the approved preoperational and startup procedures have been implemented. Prior to initiating the Initial Test Program, the approved preoperational and startup procedures (including the site-specific startup administration manual) will be available.
14-2	14.2.3.5	Within one month of a change, any changes to the Initial Startup Test Program described in Chapter 14 of the VCSNS COL FSAR made in accordance with the provisions of 10 CFR 50.59, "Changes, tests and experiments," or Section VIII, "Processes for Changes and Departures of Appendix D, "Design Certification Rule for the AP1000 Design," to 10 CFR Part 52, "Licenses, certifications, and approvals for nuclear power plants," shall be reported in accordance with 10 CFR 50.59(d).
14-3	14.2.5.5	<p><u>First-Plant-Only and First-Three-Plant-Only Testing</u></p> <p>The licensee shall notify the Director of the NRO, in writing, when it determines that it has completed the design-specific testing identified below and confirmed that the test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specific functions in accordance with the FSAR:</p> <ol style="list-style-type: none"> <li>a. The licensee shall perform "first plant only" tests.</li> <li>b. The licensee shall perform "first three plants" tests.</li> </ol>

Proposed License Condition	SER Section	Description
14-4	14.2.8.5	<p>The licensee shall implement the Initial Test Program (applicable portions) on or before the associated milestones identified below:</p> <ul style="list-style-type: none"> <li>• Construction Testing - Prior to initial construction testing</li> <li>• Preoperational Testing - Prior to initial preoperational testing</li> <li>• Startup Testing - Prior to initial fuel load</li> </ul>
14-5	14.2.8.5	<p>No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Operational Program (Initial Test Program). The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until this operational program (ITP) has been fully implemented.</p>
14-6	14.2.8.5	<p><u>Pre-operational Testing</u></p> <p>Following completion of pre-operational testing, the licensee shall review and evaluate individual test results and confirm the test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specific functions in accordance with the FSAR.</p> <p><u>Pre-critical and Criticality Testing</u></p> <ol style="list-style-type: none"> <li>1. Following completion of pre-critical and criticality testing, the licensee shall review and evaluate individual test results and confirm the test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specific functions in accordance with the FSAR.</li> <li>2. The licensee shall provide written notification to the Director of NRO upon completion of pre-critical and criticality testing. Upon submission of this notification, the licensee is authorized to perform low-power testing as described in the FSAR and operate the facility at reactor steady-state core power levels, not in excess of 170 megawatts thermal (5-percent power), in accordance with the conditions specified herein.</li> </ol> <p><u>Low-Power (&lt;5% Rated Thermal Power) Testing</u></p> <ol style="list-style-type: none"> <li>1. Following completion of low-power testing (&lt;5% rated thermal power [RTP]), the licensee shall review and evaluate individual test results and confirm that the test</li> </ol>

Proposed License Condition	SER Section	Description
		<p>results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specific functions in accordance with the FSAR.</p> <p>2. The licensee shall provide written notification to the Director of NRO upon completion of the low power testing. Upon submission of this notification, the licensee is authorized to perform power ascension testing as described in the FSAR and operate the facility at reactor steady-state core power levels, not in excess of 3400 megawatts thermal (100 percent power), in accordance with the conditions specified herein.</p> <p><u>At-Power (5%-100% RTP) Testing</u></p> <p>1. Following completion of at-power testing (at or above 5 percent RTP up to and including testing at 100 percent RTP), the licensee shall review and evaluate individual test results and confirm that the results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specific functions in accordance with the FSAR.</p> <p>2. The licensee shall provide written notification to the Director of NRO upon completion of the at-power testing.</p>
15-1	15.0.5	<p>No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of licensee calculations for power calorimetric uncertainty and administrative controls to implement maintenance and contingency activities related to the power calorimetric uncertainty instrumentation. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the license condition has been fully implemented. This schedule shall address:</p> <ul style="list-style-type: none"> <li>• The availability of documented instrumentation uncertainties to calculate a power calorimetric uncertainty (prior to initial fuel load).</li> <li>• The availability of administrative controls to implement maintenance and contingency activities related to the power calorimetric uncertainty instrumentation (prior to initial fuel load).</li> </ul>
17-1	17.6.5	<p>No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the Maintenance</p>

Proposed License Condition	SER Section	Description
		Rule (MR) program. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the MR program has been fully implemented.
19-1	19.59.5	The licensee shall review differences between the as-built plant and the design used as the basis for the AP1000 seismic margin analysis (SMA) prior to initial fuel load. The licensee shall perform a verification walkdown to identify differences between the as-built plant and the design. The licensee shall evaluate any differences and shall modify the seismic margin analysis as necessary to account for the plant-specific design and any design changes or departures from the certified design. The licensee shall compare the as-built structure, system, and component (SSC) high confidence, low probability of failures (HCLPFs) to those assumed in the AP1000 seismic margin evaluation prior to initial fuel load. The licensee shall evaluate deviations from the HCLPF values or assumptions in the seismic margin evaluation due to the as-built configuration and final analysis to determine if vulnerabilities have been introduced.
19-2	19.59.5	The licensee shall review differences between the as-built plant and the design used as the basis for the AP1000 probabilistic risk assessment (PRA) and Table 19.59-18 prior to initial fuel load. The plant-specific PRA-based insight differences shall be evaluated and the plant-specific PRA model modified as necessary to account for the plant-specific design and any design changes or departure from the certification PRA.
19-3	19.59.5	The licensee shall review differences between the as-built plant and the design used as the basis for the AP1000 internal fire and internal flood analysis prior to initial fuel load. The licensee shall evaluate the plant-specific internal fire and internal flood analyses and shall modify the analyses as necessary to account for the plant-specific design and any design changes or departures from the certified design.
19-4	19.59.5	Prior to startup testing, the license shall implement the site-specific severe accident management guidelines. No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the implementation of site-specific severe accident management guidelines. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until the site-specific severe accident management guidelines have been fully implemented.
19-5	19.59.5	Prior to initial fuel load the licensee shall perform a thermal lag assessment of the as-built equipment listed in Tables 6b and 6c in Attachment A of APP-GW-GLR-069, "Equipment Survivability Assessment," to provide additional assurance that this equipment can perform its severe accident functions during environmental

Proposed License Condition	SER Section	Description
		<p>conditions resulting from hydrogen burns associated with severe accidents. This assessment is required only for equipment used for severe accident mitigation that has not been tested at severe accident conditions. The license shall assess the ability of the as-built equipment to perform during accident hydrogen burns using the environment enveloping method or the test based thermal analysis method described in Electric Power Research Institute (EPRI) NP-4354, "Large Scale Hydrogen Burn Equipment Experiments."</p>
19.A-1	19.A.5	<p>Prior to initial fuel load, the licensee shall implement the operational and programmatic elements of its mitigative strategies for responding to a LOLA event developed in accordance with 10 CFR 50.54(hh)(2). No later than 12 months after issuance of the COL, the licensee shall submit to the Director of NRO a schedule that supports planning for and conduct of NRC inspections of the operational and programmatic elements of responding to an event associated with a loss of large areas of the plant due to explosions or fires. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until these operational and programmatic elements have been fully implemented. The licensee shall maintain the guidance and strategies developed in accordance with 10 CFR 50.54(hh)(2).</p>

## Appendix A

### License Conditions, Inspections, Tests, Analyses, and Acceptance Criteria, and Final Safety Analysis Commitments

#### A.2 Inspections, Tests, Analyses, and Acceptance Criteria

The staff has identified the certain ITAAC that it will recommend the Commission impose with respect to a COL issued to the applicant. The following is a list of those ITAAC. In addition to the ITAAC contained in this list, the ITAAC found in the AP1000 DCD Revision 19 Tier 1 material will also be incorporated into the COL should a COL be issued to the applicant.

1. The licensee shall perform and satisfy the pipe rupture hazards analysis ITAAC defined in SER Table 3.6-1, "Pipe Rupture Hazards Analysis ITAAC."

**Table 3.6-1. Pipe Rupture Hazards Analysis ITAAC**

<b>Design Commitment</b>	<b>Inspections, Tests, Analyses</b>	<b>Acceptance Criteria</b>
Systems, structures, and components (SSCs), that are required to be functional during and following a design basis event shall be protected against or qualified to withstand the dynamic and environmental effects associated with analyses of postulated failures in high and moderate energy piping.	Inspection of the as-designed pipe rupture hazard analysis report will be conducted. The report documents the analyses to determine where protection features are necessary to mitigate the consequence of a pipe break. Pipe break events involving high-energy fluid systems are analyzed for the effects of pipe whip, jet impingement, flooding, room pressurization, and temperature effects. Pipe break events involving moderate-energy fluid systems are analyzed for wetting from spray, flooding, and other environmental effects, as appropriate.	An as-designed pipe rupture hazard analysis report exists and concludes that the analysis performed for high and moderate energy piping confirms the protection of SSCs required to be functional during and following a design basis event.



2. The licensee shall perform and satisfy the piping design analysis ITAAC in SER Table 3.12-1, "Piping Design ITAAC."

**Table 3.12-1. Piping Design ITAAC**

<b>Design Commitment</b>	<b>Inspections, Tests, Analyses</b>	<b>Acceptance Criteria</b>
The American Society of Mechanical Engineers (ASME) Code, Section III piping is designed in accordance with the ASME Code, Section III requirements.	Inspection of the ASME Code Design Reports (NCA-3550) and required documents will be conducted for the set of lines chosen to demonstrate compliance.	The ASME Code Design Report(s) (NCA-3550) (certified, when required by the ASME Code) exist and conclude that the design of the piping for lines chosen to demonstrate all aspects of the piping design complies with the requirements of the ASME Code section.

3. The licensee shall perform and satisfy the ITAAC defined in Table 8.2A-1, "Offsite Power System."

**Table 8.2A-1. Offsite Power System**

<b>Design Commitment</b>	<b>Inspections, Tests, and Analyses</b>	<b>Acceptance Criteria</b>
1. A minimum of one offsite circuit supplies electric power from the transmission network to the interface with the onsite alternating current (ac) power system.	Inspections of the as-built offsite circuit will be performed.	At least one offsite circuit is provided from the transmission switchyard interface to the interface with the onsite ac power system.
2. Each offsite power circuit interfacing with the onsite ac power system is adequately rated to supply assumed loads during normal, abnormal and accident conditions.	Analyses of the offsite power system will be performed to evaluate the as-built ratings of each offsite circuit interfacing with the onsite ac power system against the load assumptions.	A report exists and concludes that each as-built offsite circuit is rated to supply the load assumptions during normal, abnormal and accident conditions.
3. During steady state operation, each offsite power source is capable of supplying required voltage to the interface with the onsite ac power system that will support operation of assumed loads during normal, abnormal and accident conditions.	Analyses of the as-built offsite circuit will be performed to evaluate the capability of each offsite circuit to supply the voltage requirements at the interface with the onsite ac power system.	A report exists and concludes that during steady state operation each as-built offsite circuit is capable of supplying the voltage at the interface with the onsite ac power system that will support operation of assumed loads during normal, abnormal and accident conditions.
4. During steady state operation, each offsite circuit is capable of supplying required frequency to the interface with the onsite ac power system that will support operation of assumed loads during normal, abnormal and accident conditions.	Analyses of the as-built offsite circuit will be performed to evaluate the capability of each offsite circuit to supply the frequency requirements at the interface with the onsite ac power system.	A report exists and concludes that during steady state operation each as-built offsite circuit is capable of supplying the frequency at the interface with onsite ac power system that will support operation of assumed loads during normal, abnormal and accident conditions.

**Table 8.2A-1. Offsite Power System**

<b>Design Commitment</b>	<b>Inspections, Tests, and Analyses</b>	<b>Acceptance Criteria</b>
<p>5. The fault current contribution of each offsite circuit is compatible with the interrupting capability of the onsite short circuit interrupting devices.</p>	<p>Analyses of the as-built offsite circuit will be performed to evaluate the fault current contribution of each offsite circuit at the interface with the onsite ac power system.</p>	<p>A report exists and concludes the short circuit contribution of each as-built offsite circuit at the interface with the onsite ac power system is compatible with the interrupting capability of the onsite fault current interrupting devices.</p>
<p>6. The reactor coolant pumps continue to receive power from either the main generator or the grid for a minimum of 3 seconds following a turbine trip.</p>	<p>Analyses of the as-built offsite power system will be performed to confirm that power will be available to the reactor coolant pumps for a minimum of 3 seconds following a turbine trip when the buses powering the reactor coolant pumps are aligned to either the unit auxiliary transformers (UATs) or the reserve auxiliary transformers (RATs).</p>	<p>A report exists and concludes that voltage at the high-side of the generator stepup transformer (GSU), and the RATs, does not drop more than 0.15 per unit (pu) from the pre-trip steady-state voltage for a minimum of 3 seconds following a turbine trip when the buses powering the reactor coolant pumps are aligned to either the UATs or the RATs.</p>

4. The licensee shall perform, and satisfy the acceptance criteria of the EP ITAAC set forth in SER Table 13.3-1.

**Table 13.3-1. VCSNS Units 2 and 3 ITAAC**

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
<p><b>1.0 Emergency Classification System</b></p> <p>10 CFR 50.47(b)(4) — A standard emergency classification and action level scheme, the bases of which include facility system and effluent parameters, is in use by the nuclear facility licensee, and State and local response plans call for reliance on information provided by facility licensees for determinations of minimum initial offsite response measures.</p>	<p>1.1 A standard emergency classification and emergency action level (EAL) scheme exists, and identifies facility system and effluent parameters constituting the bases for the classification scheme. [D.1**]</p> <p>[**D.1 corresponds to NUREG-0654/FEMA-REP-1 evaluation criteria.]</p>	<p>1.1 An inspection of the Control Room, Technical Support Center (TSC), and Emergency Operations Facility (EOF) will be performed to verify that they have displays for retrieving facility system and effluent parameters that are specified in the Emergency Classification and EAL scheme and the displays are functional.</p>	<p>1.1 The specified parameters, as listed in AP1000 DCD Table 7.5.1 and FSAR Table 7.5-201, are retrievable in the Control Room, TSC and EOF, and the ranges of the displays encompass the values specified in the Emergency Classification and EAL Technical Basis Document.</p>
<p><b>2.0 Notification Methods and Procedures</b></p> <p>10 CFR 50.47(b)(5) — Procedures have been established for notification, by the licensee, of State and local response organizations and personnel by all organizations; the content of initial and follow-up messages to response organizations and the public has been established; and means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone have been</p>	<p>2.1 The means exists to notify responsible State and local organizations within 15 minutes after the licensee declares an emergency. [E.1]</p> <p>2.2 The means exists to notify emergency response personnel. [E.2]</p>	<p>2.1. A test of the ESSX line will be performed to demonstrate the capabilities for providing initial notification to the offsite authorities after a simulated emergency classification.</p> <p>2.2 A test of the primary and back-up ERO notification systems will be performed.</p>	<p>2.1 Using the ESSX line the State of South Carolina and the counties of Fairfield, Lexington, Newberry and Richland received notification within 15 minutes after the declaration of an emergency from the Control Room and the EOF. A test of each facility ESSX line was successful using the standard South Carolina notification form.</p> <p>2.2 Emergency response personnel received the notification message and mobilization communication was validated by personnel response to the notification system and by telephone during off-hours.</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
<p>established.</p>	<p>2.3 The means exists to notify and provide instructions to the populace within the plume exposure emergency planning Zone (EPZ). [E.6]</p>	<p>2.3 The full test of the Alert and Notification System (ANS) capabilities will be conducted.</p>	<p>Also demonstrated work hours electronic notification and plant page system during working hours.</p> <p>2.3 The ANS was demonstrated to notify and provide instructions to the public and was demonstrated to meet the design objectives, as stated in the emergency plan.</p>
<p><b>3.0 Emergency Communications</b>            10 CFR 50.47(b)(6) — Provisions exist for prompt communications among principal response organizations to emergency personnel and to the public.</p>	<p>3.1 The means exists for communications among the Control Room, TSC, EOF, principal State and local emergency operations centers (EOCs), and radiological field assessment teams. [F. 1.d]</p> <p>3.2 The means exists for communications from the Control Room, TSC, and EOF to the NRC headquarters and regional office EOCs (including establishment of the Emergency Response Data System (ERDS) [or its successor system] between the onsite computer system and the NRC</p>	<p>3.1 A test will be performed of the capabilities. The test for the contact with the principal EOCs and the radiological field assessment teams will be from the Control Room and the EOF. See also ITA 5.1.1.</p> <p>3.2 A test is performed of the capabilities to communicate using ENS from the Control Room, TSC and EOF to the NRC headquarters and regional office EOCs. The health physics network (HPN) is tested to ensure communications between the TSC and EOF with the NRC Operations Center. ERDS is</p>	<p>3.1 Communications (both primary and secondary methods/systems) were established among the Control Room and the EOF with the South Carolina Emergency Management Division (SCEMD) warning point and EOC; Fairfield County Warning Point and emergency operations center (EOC); Richland County Warning Point and EOC; Newberry County Warning Point and EOC; Lexington County Warning Point and EOC. Communications were established between the Control Room and the EOF with the VCSNS radiological field monitoring teams. See also AC 5.1.4.</p> <p>3.2 Communication was established from the Control Room, TSC and EOF to the NRC headquarters and regional office EOCs utilizing the ENS. The TSC and EOF demonstrated communications with the NRC Operations Center using HPN. The access port for ERDS [or its successor system] successfully</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
	Operations Center.) [F.1.f]	established [or its successor system] between the onsite computer systems and the NRC Operations Center.	completed a transfer of data to the NRC Operations Center.
<b>4.0 Public Education and Information</b>			
10 CFR 50.47(b)(7) — Information is made available to the public on a periodic basis on how they will be notified and what their initial actions should be in an emergency (e.g., listening to a local broadcast station and remaining indoors), the principal points of contact with the news media for dissemination of information during an emergency (including the physical location or locations) are established in advance, and procedures for coordinated dissemination of information to the public are established.	4.1 The licensee has provided space which may be used for a limited number of the news media. [G.3.b]	4.1 An inspection of the facility/area provided for the news media will be performed in the Joint Information Center (JIC). The space provides adequate equipment to support JIC operation, including communications with the site and with the Emergency Operation Centers in the state and counties as well as a limited number of news media.	4.1 The licensee has provided space which may be used for a limited number of the news media in the Joint Information Center. This space provides the needed equipment per approved administrative procedures.
<b>5.0 Emergency Facilities and Equipment</b>			
10 CFR 50.47(b)(8) — Adequate emergency facilities and equipment to support the emergency response are provided and maintained.	5.1 The licensee has established a TSC and onsite OSC. [H.1, H.9]	5.1.1 An inspection of the TSC and OSC will be performed, including a test of the capabilities. These facilities will meet the criteria of NUREG-0696 with exceptions.	5.1.1 The TSC has at least 3,000 square feet of floor space.  5.1.2 The TSC is located outside the Protected Area and advanced communication capabilities are available and utilized to ensure communications between the emergency response facilities. Procedures are in place to enhance passage through security

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>checkpoints expeditiously.</p> <p>5.1.3 The TSC ventilation system includes a high efficiency particulate air (HEPA) and charcoal filter and radiation monitors are installed.</p> <p>5.1.4 TSC communications equipment is installed per specifications and is operable. Communications have been initiated and found to be acceptable in giving and receiving voice communications with the Control Room, the OSC and the EOF.</p> <p>5.1.5 The TSC has the means to receive, store, process, and display plant and environmental information, as listed in AP1000 DCD Table 7.5.1 and FSAR Table 7.5-201, and to initiate emergency measures and conduct emergency assessment.</p> <p>5.1.6 There is an OSC located inside the Unit. It is separate from the Control Room and within the Protected Area.</p> <p>5.1.7 OSC communications equipment is installed, and voice transmission and reception have been demonstrated between the OSC, OSC Teams, the TSC, and Control Room.</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
	<p>5.2 The licensee has established an EOF. [H.2]</p>	<p>5.2 An inspection of the EOF will be performed, including a test of the capabilities. The EOF is located outside of the 10 mile Emergency Planning Zone.</p>	<p>5.1.8 A reliable and backup electrical supply is available for the TSC</p> <p>5.2.1 The EOF working space size is consistent with NUREG-0696 (75 ft<sup>2</sup>/person), and is large enough for required systems, equipment, records and storage.</p> <p>5.2.2 The EOF habitability is consistent with Table 2 of NUREG-0696.</p> <ul style="list-style-type: none"> <li>• Distance at or beyond 10 mi of the TSC</li> <li>• Built to meet the criteria of the County Building Code</li> </ul> <p>5.2.3 EOF communications equipment is installed, and voice transmission and reception are accomplished with the Control Room, TSC, radiological monitoring teams, NRC, state and county agencies using typical data generated during facility activation.</p> <p>5.2.4 Radiological data identified in the EP Unit Annex, meteorological data, and plant system data pertinent to determining offsite protective measures, as listed in AP1000 DCD Table 7.5.1 and FSAR Table 7.5-201, are available and displayed when activated in the EOF.</p>



Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
<p><b>6.0 Accident Assessment</b></p> <p>10 CFR 50.47(b)(9) — Adequate methods, systems, and equipment for assessing and monitoring actual or potential offsite consequences of a radiological emergency condition are in use.</p>	<p>6.1 The means exists to provide initial and continuing radiological assessment throughout the course of an accident. [I.2]</p> <p>6.2 The means exists to determine the source term of releases of radioactive material within plant systems, and the magnitude of the release of radioactive materials based on plant system parameters and effluent monitors. [I.3]</p> <p>6.3 The means exists to continuously assess the impact of the release of radioactive materials to the environment, accounting for the relationship between effluent monitor readings, and onsite and offsite exposures and contamination for various meteorological conditions. [I.4]</p> <p>6.4 The means exists to acquire and evaluate meteorological information. [I.5]</p>	<p>6.1 A test will be performed to demonstrate that the means exist to provide initial and continuing radiological assessment throughout the course of an accident through the plant computer or communications with the Control Room.</p> <p>6.2 A test will be performed to demonstrate that the means exist to determine the source term of releases of radioactive material within plant systems, and the magnitude of the release of radioactive materials based on plant system parameters and effluent monitors.</p> <p>6.3 A test will be performed to demonstrate that the impact of a radiological release to the environment is able to be assessed by utilizing the relationship between effluent monitor readings, and onsite and offsite exposures and contamination for various meteorological conditions.</p> <p>6.4 A test will be performed to acquire and evaluate meteorological data/information.</p>	<p>6.1 The means exist to provide initial and continuing radiological assessment through displays of instrumentation indicators in the Control Room, TSC and EOF during the course of drills and/or exercises.</p> <p>6.2 Emergency Planning Implementing Procedures, through use in training and a drill, provided direction to accurately calculate the source terms and the magnitude of the release of postulated accident scenario releases.</p> <p>6.3 Response personnel demonstrated that the means exist to continuously assess the impact of the release of radioactive materials to the environment, accounting for the relationship between effluent monitor readings, and onsite and offsite exposures and contamination for various meteorological conditions under drill conditions.</p> <p>6.4 Meteorological data was available at the EOF, TSC, Control Room, offsite NRC Operations Center, and the state of South Carolina. This data was in the format needed for the appropriate</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
	<p>6.5 The means exists to make rapid assessments of actual or potential magnitude and locations of radiological hazards through liquid or gaseous release pathways, including activation, notification means, field team composition, transportation, communication, monitoring equipment, and estimated deployment times. [I.8]</p> <p>6.6 The capability exists to detect and measure radioiodine concentrations in air in the plume exposure EPZ, as low as <math>10^{-7}</math> <math>\mu\text{Ci/cc}</math> (microcuries per cubic centimeter) under field conditions. [I.9]</p> <p>6.7 The means exists to estimate integrated dose from the projected and actual dose rates, and for comparing these estimates with the EPA protective action guides (PAGs). [I.10]</p>	<p>6.5 A test will be performed of the capabilities to make rapid assessments of actual or potential magnitude and locations of radiological hazards through liquid or gaseous release pathways, including activation, notification means, field team composition, transportation, communication, monitoring equipment, and estimated deployment times.</p> <p>6.6 A test will be performed of the capabilities to detect and measure radioiodine concentrations in air in the plume exposure EPZ, as low as <math>10^{-7}</math> <math>\mu\text{Ci/cc}</math> (microcuries per cubic centimeter) under field conditions.</p> <p>6.7 A test will be performed of the capabilities to estimate integrated dose from the projected and actual dose rates, and for comparing these estimates with the EPA protective action guides.</p>	<p>emergency planning implementing procedures.</p> <p>6.5 The field monitoring team(s) was activated and evaluated. They demonstrated an ability to make rapid assessment of actual or potential magnitude and locations of any radiological hazards through simulated liquid or gaseous release pathways. A qualified field team was notified, activated, briefed and dispatched from the EOF during a radiological release scenario. The team demonstrated the procedural guidance in team composition, use of monitoring equipment, communication from the field, and locating specific sampling locations.</p> <p>6.6 A field monitoring team was dispatched during a radiological release scenario and demonstrated the use of sampling and detection equipment for air concentrations in the plume exposure EPZ, as low as <math>10^{-7}</math> <math>\mu\text{Ci/cc}</math>.</p> <p>6.7 The means were demonstrated to estimate integrated dose from the dose assessment program and the field monitoring team reading during a radioactive release scenario. The results were compared with the EPA PAGs.</p>
<b>7.0 Protective Response</b> 10 CFR 50.47(b)(10) — A	7.1 The means exists to warn and	7.1 A test will be performed of the	7.1 The means exist and was

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

<p><b>Planning Standard</b></p> <p>range of protective actions has been developed for the plume exposure EPZ for emergency workers and the public. In developing this range of actions, consideration has been given to evacuation, sheltering, and, as a supplement to these, the prophylactic use of potassium iodide (KI), as appropriate. Guidelines for the choice of protective actions during an emergency, consistent with Federal guidance, are developed and in place, and protective actions for the ingestion exposure EPZ appropriate to the locale have been developed.</p>	<p><b>EP Program Elements (From NUREG-0654/FEMA-REP-1)</b></p> <p>advise onsite individuals of an emergency, including those in areas controlled by the operator, including: [J.1]</p> <ol style="list-style-type: none"> <li>1. employees not having emergency assignments;</li> <li>2. visitors;</li> <li>3. contractor and construction personnel; and</li> <li>4. other persons who may be in the public access areas, on or passing through the site, or within the owner controlled area.</li> </ol>	<p><b>Inspections, Tests, Analyses</b></p> <p>capabilities to warn and advise onsite individuals of an emergency, including those in areas controlled by the operator.</p>	<p><b>Acceptance Criteria</b></p> <p>successfully demonstrated to warn and advise onsite individuals including:</p> <ol style="list-style-type: none"> <li>1. non-essential employees;</li> <li>2. visitors;</li> <li>3. contractor and construction personnel; and</li> <li>4. other personnel within the owner controlled area.</li> </ol>
<p><b>8.0 Exercises and Drills</b></p> <p>10 CFR 50.47(b)(14) – Periodic exercises are (will be) conducted to evaluate major portions of emergency response capabilities, periodic drills are (will be) conducted to develop and maintain key skills, and deficiencies identified as a result of exercises or drills are (will be) corrected.</p>	<p>8.1 Licensee conducts a full participation exercise to evaluate major portions of emergency response capabilities, which includes participation by each state and local agency within the plume exposure EPZ, and each state within the ingestion control EPZ. [N.1]</p>	<p>8.1 A full participation exercise (test) will be conducted within the specified time periods of Appendix E to 10 CFR Part 50.</p>	<p>8.1.1 The exercise was completed within the specified time periods of Appendix E to 10 CFR Part 50, onsite exercise objectives were met, including:</p> <p>A. <i>Accident Assessment and Classification</i></p> <ol style="list-style-type: none"> <li>1. Demonstrate the ability to identify initiating conditions, determine emergency action levels (EAL) parameters, and correctly classify the emergency throughout the exercise.</li> </ol>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>Standard Criteria:</p> <p>a. Determine the correct emergency classification level based on events which were in progress, considering past events and their impact on the current conditions within 15 minutes from the time the initiating condition(s) or EAL is exceeded during the exercise.</p> <p>B. <i>Notifications</i></p> <p>1. Demonstrate the ability to notify responsible state and local government agencies within 15 minutes and the NRC within 60 minutes after declaring an emergency.</p> <p>Standard Criteria:</p> <p>a. Accurately transmit information in accordance with Emergency Plan Implementing Procedures within 15 minutes of the emergency declaration.</p> <p>2. Demonstrate the ability to alert, notify, and mobilize site emergency response personnel during the exercise.</p> <p>Standard Criteria:</p> <p>a. Complete the designated actions in accordance with Emergency Plan Implementing Procedures and perform the announcement</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>concerning the initial event classification of Alert or higher during the exercise.</p> <p>b. Mobilize site emergency responders in accordance with Emergency Plan implementing Procedures at the initial event classification for an Alert or higher during the exercise.</p> <p>3. Demonstrate the ability to warn or advise onsite individuals of emergency conditions.</p> <p>Standard Criteria:</p> <p>a. Initiate notification of onsite protective actions.</p> <p>4. Demonstrate the capability of the Alert and Notification System (ANS) to operate properly when required.</p> <p>Standard Criteria:</p> <p>a. 90% of the sirens operate properly, as indicated by the feedback system.</p> <p>C. <i>Emergency Response</i></p> <p>1. Demonstrate the ability to direct and control emergency operations.</p> <p>Standard Criteria:</p> <p>a. Command and control is demonstrated by the Control Room (simulator) in the early phase of the</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>emergency and by the Technical Support Center (TSC) and Emergency Operations Facility (EOF) within 75 minutes of the emergency declaration.</p> <p>2. Demonstrate the ability to transfer emergency direction from the Control Room (simulator) to the EOF.</p> <p>Standard Criteria:</p> <p>a. Turnover briefings are conducted in accordance with Emergency Plan Implementing Procedures.</p> <p>3. Demonstrate the ability to prepare for around-the-clock staffing requirements.</p> <p>Standard Criteria:</p> <p>a. Complete 24-hour staffing assignments.</p> <p>4. Demonstrate the ability to perform assembly and accountability for personnel in the Protected Area within 30 minutes of the declaration of a Site Area Emergency or higher classification.</p> <p>Standard Criteria:</p> <p>a. Protected Area personnel assembly and accountability completed within 30 minutes of the declaration of a Site Area Emergency or higher classification.</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p><b>D. Emergency Response Facilities</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate activation of the Operational Support Center (OSC), and full functional operation of the TSC and EOF within 75 minutes of a declaration of Alert or higher emergency classification.</li> </ol> <p>Standard Criteria:</p> <ol style="list-style-type: none"> <li>a. The TSC, OSC, and EOF are activated within 75 minutes of the declaration of an Alert of higher emergency classification.</li> </ol> <ol style="list-style-type: none"> <li>2. Demonstrate the adequacy of equipment, security provisions, and habitability precautions for the TSC, OSC, and EOF, as appropriate.</li> </ol> <p>Standard Criteria:</p> <ol style="list-style-type: none"> <li>a. Demonstrate the adequacy of the emergency equipment in the emergency response facilities as specified in Emergency Plan Implementing Procedures, as appropriate.</li> <li>b. The security force implements and follows applicable security plan procedures as appropriate during the exercise.</li> <li>c. Demonstrate the capability of TSC and EOF equipment and data displays to clearly identify and</li> </ol>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>reflect the affected unit.</p> <p>3. Demonstrate the adequacy of communications for emergency support resources.</p> <p>Standard Criteria:</p> <p>a. Emergency response facility personnel are able to operate primary or backup communication systems in accordance with Emergency Plan Implementing Procedures as needed during the exercise.</p> <p>b. Primary or backup emergency response communication systems listed in the Emergency Plan Implementing Procedures are available and operational for the duration of the exercise.</p> <p><i>E. Radiological Assessment and Control</i></p> <p>1. Demonstrate the ability to obtain onsite radiological surveys and samples.</p> <p>Standard Criteria:</p> <p>a. Health Physics personnel demonstrate the ability to obtain appropriate instruments and perform surveys as needed during the exercise.</p> <p>b. Airborne samples are taken, as</p>



Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>appropriate, in accordance with Emergency Plan Implementing Procedures during the exercise.</p> <p>2. Demonstrate the ability to continuously monitor and control radiation exposure to emergency workers.</p> <p>Standard Criteria:</p> <p>a. Emergency workers are issued self-reading dosimeters when radiation levels require, and exposures are controlled to 10 CFR Part 20 limits (unless the Emergency Coordinator authorizes emergency limits), as appropriate during the exercise.</p> <p>b. Exposure records are available during the exercise.</p> <p>3. Demonstrate the ability to assemble and deploy field monitoring teams.</p> <p>Standard Criteria:</p> <p>a. Field Monitoring Teams are briefed, obtain equipment, and are dispatched in accordance with Emergency Plan Implementing Procedures.</p> <p>4. Demonstrate the ability to collect and disseminate field team data.</p> <p>Standard Criteria:</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>a. Field teams collect data for dose rate and airborne radioactivity levels, as applicable, in accordance with emergency plan implementing procedures.</p> <p>b. Field team communicates data to the EOF in accordance with Emergency Plan Implementing Procedures during the exercise.</p> <p>5. Demonstrate the ability to develop dose projections.</p> <p>Standard Criteria:</p> <p>a. Timely and accurate dose projections are performed in accordance with Emergency Plan Implementing Procedures during the exercise.</p> <p>6. Demonstrate the ability to develop appropriate Protective Action Recommendations (PARs) and notify appropriate authorities within 15 minutes, once data is available, after the declaration of a General Emergency or change in PARs during the exercise.</p> <p>Standard Criteria:</p> <p>a. Total Effective Dose Equivalent (TEDE) and Committed Dose Equivalent (CDE) dose projections from the dose assessment computer code are developed in accordance with Emergency Plan Implementing</p>

Table 13.3-1. VCSNS Units 2 and 3 ITAAC

Planning Standard	EP Program Elements (From NUREG-0654/FEMA-REP-1)	Inspections, Tests, Analyses	Acceptance Criteria
			<p>Procedures during the exercise.</p> <p>b. PARs are developed and transmitted within 15 minutes of data availability during the exercise.</p> <p>8.1.2 Onsite emergency response personnel were mobilized in sufficient numbers to fill emergency response positions, and they successfully performed their assigned responsibilities.</p> <p>8.1.3 The exercise was completed within the specified time periods of Appendix E to 10 CFR Part 50, offsite exercise objectives were met, and there were no uncorrected offsite exercise deficiencies, or a license condition requires offsite deficiencies to be corrected prior to operation above 5 percent of rated power.</p>
<p><b>9.0 Implementing Procedures</b></p> <p>10 CFR Part 50, App. E.V – No less than 180 days prior to the scheduled issuance of an operating license for a nuclear power reactor or a license to possess nuclear material, the applicant's detailed implementing procedures for its emergency plan shall be submitted to the Commission.</p>	<p>9.1 The licensee has submitted detailed implementing procedures for its emergency plan no less than 180 days prior to fuel load.</p>	<p>9.1 An inspection of the submittal letter will be performed.</p>	<p>9.1 The licensee submitted detailed implementing procedures for the onsite emergency plan no less than 180 days prior to fuel load.</p>

List of Acronyms for Table 13.3-1:

ANS--Alert and Notification System  
EAL--Emergency Action Level  
EAS--Emergency Alerting System  
ENS--Emergency Notification System  
EOC--Emergency Operations Center  
EOF--Emergency Operations Facility  
EPA--Environmental Protection Agency  
EP--Emergency Plan

EPZ--Emergency Planning Zone  
ERDS--Emergency Response Data System  
ERO--Emergency Response Organization  
ESSX--Electric Switch System Exchange  
FEMA--Federal Emergency Management Agency  
HEPA--High Efficiency Particulate Air  
HPN--Health Physics Network  
JIC--Joint Information Center

KI--Potassium Iodide  
OSC--Operations Support Center  
PAG--Protective Action Guide  
SCEMD--South Carolina Emergency Management Division  
TSC--Technical Support Center  
VCSNS--V. C. Summer Nuclear Station

**Table 13.6A-1. Site-Specific Physical Security Inspections, Tests, Analyses and Acceptance Criteria**

<b>Design Commitment</b>	<b>Inspections, Tests, and Analyses</b>	<b>Acceptance Criteria</b>
<p>1. The external walls, doors, ceiling, and floors in the location within which the last access control function for access to the protected area is performed are bullet-resistant to at least Underwriters Laboratory Ballistic Standard 752, level 4.</p>	<p>Type test, analysis, or a combination of type test and analysis will be performed for the external walls, doors, ceilings, and floors in the location within which the last access control function for access to the protected area is performed.</p>	<p>The external walls, doors, ceilings, and floors in the location within which the last access control function for access to the protected area is performed are bullet-resistant to at least Underwriters Laboratory Ballistic Standard 752, level 4.</p>
<p>2. Physical barriers for the protected area perimeter are not part of vital area barriers.</p>	<p>An inspection of the protected area perimeter barrier will be performed.</p>	<p>Physical barriers at the perimeter of the protected area are separated from any other barrier designated as a vital area barrier.</p>
<p>3.</p> <p>a) Isolation zones exist in outdoor areas adjacent to the physical barrier at the perimeter of the protected area that allows 20 feet of observation on either side of the barrier. Where permanent buildings do not allow a 20-foot observation distance on the inside of the protected area, the building walls are immediately adjacent to, or an integral part of, the protected area barrier.</p> <p>b) The isolation zones are monitored with intrusion detection equipment that</p>	<p>Inspections will be performed of the isolation zones in outdoor areas adjacent to the physical barrier at the perimeter of the protected area.</p> <p>Inspections will be performed of the intrusion detection equipment within the isolation zones.</p>	<p>Isolation zones exist in outdoor areas adjacent to the physical barrier at the perimeter of the protected area and allow 20 feet of observation and assessment of the activities of people on either side of the barrier. Where permanent buildings do not allow a 20-foot observation and assessment distance on the inside of the protected area, the building walls are immediately adjacent to, or an integral part of, the protected area barrier and the 20-foot observation and assessment distance does not apply.</p> <p>The isolation zones are equipped with intrusion detection equipment that provides the capability to</p>

**Table 13.6A-1. Site-Specific Physical Security Inspections, Tests, Analyses and Acceptance Criteria**

<b>Design Commitment</b>	<b>Inspections, Tests, and Analyses</b>	<b>Acceptance Criteria</b>
provides the capability to detect and assess unauthorized persons.		detect and assess unauthorized persons.
<p>4. The intrusion detection and assessment equipment at the protected area perimeter:</p> <p>a) detects penetration or attempted penetration of the protected area barrier and concurrently alarms in both the Central Alarm Station and Secondary Alarm Station; and</p> <p>b) remains operable from an uninterruptible power supply in the event of the loss of normal power.</p>	<p>Tests, inspections or a combination of tests and inspections of the intrusion detection and assessment equipment at the protected area perimeter and its uninterruptible power supply will be performed.</p>	<p>The intrusion detection and assessment equipment at the protected area perimeter:</p> <p>a) detects penetration or attempted penetration of the protected area barrier and concurrently alarms in the Central Alarm Station and Secondary Alarm Station; and</p> <p>b) remains operable from an uninterruptible power supply in the event of the loss of normal power.</p>
<p>5. Access control points are established to:</p> <p>a) control personnel and vehicle access into the protected area.</p> <p>b) detect firearms, explosives, and incendiary devices at the protected area personnel access points.</p>	<p>Tests, inspections, or combination of tests and inspections of installed systems and equipment at the access control points to the protected area will be performed.</p>	<p>The access control points for the protected area:</p> <p>a) are configured to control personnel and vehicle access.</p> <p>b) include detection equipment that is capable of detecting firearms, incendiary devices, and explosives at the protected area personnel access points.</p>

**Table 13.6A-1. Site-Specific Physical Security Inspections, Tests, Analyses and Acceptance Criteria**

<b>Design Commitment</b>	<b>Inspections, Tests, and Analyses</b>	<b>Acceptance Criteria</b>
6. An access control system with numbered picture badges is installed for use by individuals who are authorized access to protected areas and vital areas without escort.	A test of the access control system with numbered picture badges will be performed.	The access authorization system with numbered picture badges can identify and authorize protected area and vital area access only to those personnel with unescorted access authorization.
7. Access to vital equipment physical barriers requires passage through the protected area perimeter barrier.	Inspection will be performed to confirm that access to vital equipment physical barriers requires passage through the protected area perimeter barrier.	Vital equipment is located within a protected area such that access to vital equipment physical barriers requires passage through the protected area perimeter barrier.
8.  a) Penetrations through the protected area barrier are secured and monitored.  b) Unattended openings (such as underground pathways) that intersect the protected area boundary or vital area boundary will be protected by a physical barrier and monitored by intrusion detection equipment or provided surveillance at a frequency sufficient to detect exploitation.	Inspections will be performed of penetrations through the protected area barrier.  Inspections will be performed of unattended openings that intersect the protected area boundary or vital area boundary.	Penetrations and openings through the protected area barrier are secured and monitored.  Unattended openings (such as underground pathways) that intersect the protected area boundary or vital area boundary are protected by a physical barrier and monitored by intrusion detection equipment or provided surveillance at a frequency sufficient to detect exploitation.
9. Emergency exits through the protected area perimeter are alarmed and secured with locking devices to allow for emergency egress.	Tests, inspections, or a combination of tests and inspections of emergency exits through the protected area perimeter will be performed.	Emergency exits through the protected area perimeter are alarmed and secured by locking devices that allow prompt egress during an emergency.

**Table 15.0-1. Power Calorimetric Uncertainty Methodology**

<b>Design Commitment</b>	<b>Inspections, Tests, Analyses</b>	<b>Acceptance Criteria</b>
<p>4. The plant calorimetric uncertainty and plant instrumentation performance is bounded by the 1 percent calorimetric uncertainty value assumed for the initial reactor power in the safety analysis.</p>	<p>Inspection will be performed of the plant operating instrumentation installed for feedwater flow measurement, its associated power calorimetric uncertainty calculation, and the calculated calorimetric values.</p>	<ul style="list-style-type: none"> <li>a) the as-built system takes input for feedwater flow measurement from a Caldon [Cameron] LEFM CheckPlus™ System;</li> <li>b) the power calorimetric uncertainty calculation documented for that instrumentation is based on an NRC-accepted Westinghouse methodology and the uncertainty values for that instrumentation are not lower than those for the actual installed instrumentation; and</li> <li>c) the calculated calorimetric power uncertainty measure values are bounded by the 1 percent uncertainty value assumed for the initial reactor power in the safety analysis.</li> </ul>



## Appendix A

### License Conditions, Inspections, Tests, Analyses, and Acceptance Criteria, and Final Safety Analysis Report Commitments

#### A.3 Final Safety Analysis Report (FSAR) Commitments

The following FSAR commitments are identified as the responsibility of the licensee:

SER Section	Description
1.4.5	A site-specific construction plan and startup schedule will be provided after issuance of the COL.
2.5.4.5	The applicant has committed to developing a thermal control plan to be used during the placement of the fill concrete under the Nuclear Island of VCSNS Unit 2 based on ACI 207 series guidelines. The thermal control plan will have the elements described in VCSNS COL FSAR Section 2.5.4.12.
5.2.5.5	Prior to initial fuel load, the operating procedures, that include identifying, monitoring, trending, and managing the prolonged low-level RCS leakage, will be developed.
6.4.5	FSAR Commitment 6.4-1. The licensee's CR operator training program shall address the following: <ul style="list-style-type: none"><li>• Regulatory Position C.5, "Emergency Planning," of RG 1.78</li><li>• Regulatory Position 2.5, "Hazardous Chemicals," of RG 1.196</li><li>• Regulatory Position 2.2.1, "Comparison of System Design, Configuration, and Operation with Licensing Basis," of RG 1.196</li><li>• Regulatory Position 2.7.1, "Periodic Evaluations and Maintenance," of RG 1.196</li></ul>
9.1.4.5	The light load handling program, including system inspections, will be implemented prior to receipt of fuel onsite.
9.1.5.5	The overhead heavy-load handling program, including system inspections, will be implemented prior to receipt of fuel onsite.



**APPENDIX B**

**CHRONOLOGY OF A COMBINED LICENSE APPLICATION  
FOR THE VIRGIL C. SUMMER NUCLEAR STATION, UNITS 2 & 3**

This appendix lists correspondence, including between the South Carolina Electric & Gas Company and the U.S. Nuclear Regulatory Commission, regarding the V. C. Summer Nuclear Station combined license application through July 12, 2011, with the exception of legal filings related to the hearing. Source: Agencywide Documents Access and Management System (ADAMS).

**Revisions to the V. C. Summer Application**

<b>Revision</b>	<b>Date</b>	<b>Accession Number</b>
<b>0</b>	03/27/2008	ML081300460
<b>1</b>	07/30/2009	ML092170504
<b>2</b>	01/28/2010	ML100350739
<b>3</b>	08/25/2010	ML102440597
<b>4</b>	02/07/2011	ML110410366
<b>5</b>	06/28/2011	ML11187A127

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/31/72	ML091740344	V.C. Summer, Units 2 and 3, General Highway Map Fairfield County South Carolina. 1 Page(s)	Map	State of SC, Dept of Transportation	NRC/NRO	05200027 05200028
07/31/00	ML100200969	Carbon Dioxide Emissions from the Generation of Electric Power in the United States. 21 Page(s)	Report, Miscellaneous	US Dept of Energy (DOE) US Environmental Protection Agency (EPA)	NRC/NRO	05200027 05200028
10/01/01	ML082760697	Memorandum of Understanding Among Georgia Department of Natural Resources, et. al., to Establish and Describe a Robust Redhorse Conservation Committee Actively Committed to Restoration of Species Throughout Known Range. 18 Page(s)	Memoranda	Carolina Power & Light Co Duke Power Co Georgia Power Co Georgia River Network South Carolina Aquarium South Carolina Electric & Gas Co State of GA, Dept of Natural Resources State of GA, Wildlife Federation State of NC, Wildlife Resources Commission State of SC, Dept of Natural Resources US Dept of Agriculture, Forest Service US Dept of Interior, Fish & Wildlife Service US Dept of Interior, Geological Survey (USGS) US Dept of the Army, Corps of Engineers	NRC/NRO	05200027 05200028
04/21/03	ML100290438	Palomar Energy Project Description. 4 Page(s)	- No Document Type Applies	- No Known Affiliation	NRC/NRO	05200027 05200028
06/06/05	ML091890159	Virgil C. Summer - Final Report Comprehensive 316(b) Demonstration Study Proposal for Information Collection. 42 Page(s)	Letter	GeoSyntec Consultants	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
01/26/06	ML060110370	12/06/2005, Summary of Meeting with SCE&G To Discuss Plans for a Combined License Application. 9 Page(s)	Meeting Summary	NRC/NRR/ADRA/DNRL/N RBA	South Carolina Electric & Gas Co	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/10/06	ML060460257	Virgil C. Summer Nuclear Station - Update to SCE&G Combined License Application Letter of Intent. 1 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRR	05000395 05200027 05200028 PROJ0743
04/30/06	ML093230676	Biomass Energy Potential in South Carolina: A Conspectus of Relevant Information Page(s)		Southern States Energy Board		05200027 05200028
06/30/06	ML070220073	CD-ROM File: APP-GW-GLR-021, Rev. 0, "AP1000 Standard Combined License Technical Report, AP1000 As-Build COL Information Items." 35 Page(s)	Report, Technical	Westinghouse Electric Co	NRC/NRO	05200006 05200018 05200019 05200022 05200023 05200027 05200028 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
07/13/06	ML062010198	Virgil C. Summer Nuclear Station (VCSNS) Units 2 & 3, Response to RIS 2006-006, New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
07/17/06	ML061980343	07/27/06 Notice of Meeting with AP1000 Design-Centered Working Group (DCWG) Regarding Pre-COL Activities. 4 Page(s)	Meeting Agenda Meeting Notice	NRC/NRR/ADRA/DNRL	NRC/NRR/ADRA/DNRL	05200006 05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743
08/02/06	ML062150427	Pre-Application Site Visit to Summer (Project No. 743). 9 Page(s)	Letter	NRC/RGN-II/DRS/EB3	South Carolina Electric & Gas Co	05200027 05200028 PROJ0743
08/28/06	ML061440582	Letters to Potential Applicants on	Letter	NRC/NRR/ADRA/DNRL/N	Dominion	05200018

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Security Clearances. 31 Page(s)		APB	Resources Services, Inc Duke Power Co Energy Nuclear, Inc Florida Power & Light Group, Inc NuStart Energy Development, LLC Progress Energy Co South Carolina Electric & Gas Co Southern Nuclear Operating Co, Inc UniStar Nuclear	05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0746
11/15/06	ML091740343	V.C. Summer, Units 2 and 3, Map, South Carolina Electric & Gas New Nuclear Deployment Two Mile Raduis, Fairfield County and Newberry County South Carolina. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
11/17/06	ML082670666	Virgil C. Summer Units 2 & 3 COL Application ER Supporting Documents CD #4 Integrated Resource Plans SCE&G and Santee Cooper. 12 Page(s)	Annual Report Letter	Santee Cooper	NRC/NRO South Carolina Public Service Authority	05200027 05200028
11/24/06	ML063240208	12/07/2006 Forthcoming Meeting with AP1000 and ESBWR Design-Centered Working Groups Regarding Pre-COL Activities. 6 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL	NRC/NRO/DNRL	05200006 05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
12/07/06	ML063450062	12/07/06 - Meeting Handout 4 - NRC Revised Agenda for Public Meeting. 1 Page(s)	Meeting Agenda	Dominion NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/07/06	ML063450060	12/07/06 - Meeting Handout 2 - ESBWR DCWG Action Item List. 3 Page(s)	Meeting Briefing Package/Handouts	Dominion NuStart Energy Development, LLC	NRC/NRO	05200023 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745
12/07/06	ML063450061	12/07/06 - Meeting Handout 3 - NRC COL Environmental Pre-App Activities Slides. 5 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DUSER		05200018 05200019 05200022 05200023 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745
12/07/06	ML063170166	10/24/2006 Summary of Category 2 Meeting with AP1000 Design-Centered Working Group, Regarding Pre-Col Activities. 6 Page(s)	Meeting Summary	NRC/NRO/DNRL/AP1000B 1		05200006 05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
12/07/06	ML063450058	12/07/06 - Meeting Handout 1 - AP1000-ESBWR Design Centered	Slides and Viewgraphs	Dominion NuStart Energy	NRC/NRO	05200006 05200018

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Work Group Slides. 56 Page(s)		Development, LLC		05200019 05200022 05200023 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745
12/15/06	ML063530362	Electronic Correspondence - from Leslie Kass, NEI, to Joelle Starefos, NRC, Response to Action Item from 12/7/06 DCWG Meeting - Attachment: Transmission Access Agency for New Nuclear Plants. 4 Page(s)	E-Mail	Nuclear Energy Institute (NEI)	NRC/NRO	05200018 05200019 05200022 05200023 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/09/07	ML070180114	CD-ROM file: COL Application formatting. 4 Page(s)	- No Document Type Applies	- No Known Affiliation	NRC/NRO	05200006 05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/10/07	ML070180116	CD-ROM file: ESBWR DCD Chapter 11 sample. 128 Page(s)	Report, Technical	General Electric Co	NRC/NRO	05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/10/07	ML070180111	CD-ROM file: ESBWR FSAR Chapter 11 Sample. 3 Page(s)	Updated Final Safety Analysis Report (UFSAR)	- No Known Affiliation	NRC/NRO	PROJ0744 PROJ0745 05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/11/07	ML070220069	CD-ROM File: Draft Versions of COLA FSAR Chapter 10, Bellefonte Units 3 & 4, COL Application Part 2, 10.0 Steam and Power Conversion. 9 Page(s)	Final Safety Analysis Report (FSAR), Draft License-Application for Construction Permit DKT 50	NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/11/07	ML070220070	CD-ROM File: Draft Versions of COLA FSAR Chapter 15, Bellefonte Units 3 & 4, COL Application Part 2, 15.0 Accident Analyses. 13 Page(s)	Final Safety Analysis Report (FSAR), Draft License-Application for Construction Permit DKT 50	NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/11/07	ML070220067	Cover Letter from NuStart dated 1/11/07 re AP-1000 Design-Centered Work Group Input to Combined License Application Workshop. 1 Page(s)	Letter	NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/16/07	ML070120375	01/31/2007, Notice of Forthcoming Meeting with AP1000 Design-Centered Working Group (DCWG) Regarding PRE-COL Geotechnical and Seismic Design Status. 7 Page(s)	Meeting Notice	NRC/NRO/DNRL/AP1000B1	NRC/NRO/DNRL/AP1000B1	PROJ0742 PROJ0743 PROJ0744 PROJ0745 05200018 05200019 05200022 05200023 05200027 05200028 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/22/07	ML070320210	2007 COLA Workshop Instructions for FSARs. 5 Page(s)	- No Document Type Applies	NRC/NRO/DNRL		05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/22/07	ML070220200	02/01/2007, Forthcoming Meeting with AP1000 and ESBWR Design-Centered Working Groups Regarding Pre-Col Activities. 7 Page(s)	Meeting Notice	NRC/NRO/DNRL/AP1000B1	NRC/NRO/DNRL/AP1000B1	05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/23/07	ML070220161	02/02/2007 Notice of Forthcoming Meeting with AP1000 and ESBWR	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B1	NRC/NRO/DNRL/AP1000B1	05200018 05200019

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Design-Centered Working Groups Regarding PRE-COL Activities. 8 Page(s)	Memoranda			05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0744 PROJ0745
01/31/07	ML070310188	12/07/2006 Summary of Meeting to Discuss Pre-Combined License Issues. 7 Page(s)	Meeting Summary	NRC/NRO/DNRL/AP1000B 1		05200006 05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
02/01/07	ML070330355	02/01/2007 Meeting with AP1000 and ESBWR DCWG and NRC to Discuss Pre-COL Activities. 88 Page(s)	Meeting Agenda Meeting Briefing Package/Handouts	NRC/NRO		05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
02/16/07	ML070460029	03/01/2007 Notice of Meeting with AP1000 Design-Centered Working Group (DCWG) to Discuss Seismic Source Modeling, Preliminary Site	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200018 05200019 05200022 05200023

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Investigation Results from Several Sites, and the Preliminary Westinghouse Evaluation of Hard Rock Sites Using Incoherency. 7 Page(s)				PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743
03/09/07	ML070680389	03/22-23/2007 Notice of Forthcoming Meeting with AP1000 and ESBWR Design-Centered Working Groups Regarding Pre-COL Activities. 8 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
03/13/07	ML070670250	02/01/2007 Summary of Meeting to Discuss Pre-Combined Operating License Application Issues. 15 Page(s)	Meeting Summary	NRC/NRO/DNRL/AP1000B 1	APTEC-NRC, Inc	05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
03/15/07	ML070660300	02/02/2007 Summary of Category 2 Public Meeting to Discuss Combined License Pre-Application Activities. 19 Page(s)	Meeting Agenda Meeting Briefing Package/Handouts Meeting Summary	NRC/NRO/DNRL		05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/12/07	ML071060167	03/22/2007 - 03/23/2007-DCWG Public Meeting Summary Points of Contact. 2 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO/DNRL		PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
04/17/07	ML070930131	Summary of March 1, 2007, Meeting to Discuss Pre-Combined License Geotechnical and Seismic Design Status. 26 Page(s)	Meeting Agenda Meeting Summary	NRC/NRO/DNRL/AP1000B 1		05200014 05200015 05200018 05200019 05200022 05200023 PROJ0737 PROJ0738 PROJ0740 PROJ0742 PROJ0743
04/19/07	ML071090036	05/02-03/2007 Notice of Forthcoming Meeting with Joint AP1000/ESBWR Design-Centered Working Groups Regarding Pre-Col Activities. 9 Page(s)	Meeting Notice Memoranda	NRC/NRO/DNRL	NRC/NRO/DNRL	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
04/23/07	ML071070099	03/22/2007 - 03/23/2007, Summary of Meeting with AP1000 and ESBWR Design-Centered Working Groups to Discuss Pre-Combined License Application Issues. 21 Page(s)	Meeting Agenda Meeting Summary	NRC/NRO/DNRL		05200006 05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
04/27/07	ML071170384	5/2-3/2007 Agenda for Joint AP1000/ESBWR Design-Centered Working Group Public Meeting. 2 Page(s)	Meeting Agenda	NRC/NRO/DNRL/AP1000B 1		05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0742 PROJ0743 PROJ0745 PROJ0755 PROJ0756
04/30/07	ML082670663	2007 Integrated Resource Plan SCE&G 2007, Least-Cost Planning Procedures	Letter Operating Plan	SCANA Services, Inc	NRC/NRO State of SC,	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/30/07	ML071520078	for Electric Utilities. 37 Page(s) Virgil C. Summer, Units 2 & 3, Response to RIS 2007-08, Updated Licensing Submittal Information to Support the Design-Centered Licensing Review Approach. 6 Page(s)	Letter	South Carolina Electric & Gas Co	Public Service Commission NRC/Document Control Desk NRC/NRO/DNRL	05200027 05200028 PROJ0743
05/30/07	ML071500286	06/13/2007, Forthcoming Meeting with Joint AP1000/ESBWR Design-Centered Working Groups Regarding PRE-COL Activities. 15 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B1	NRC/NRO/DNRL/ AP1000B1	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
06/13/07	ML071650506	06/13/2007 Meeting Handouts - Joint AP1000 and ESBWR DCWG. 118 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO/DNRL		05200006 05200018 05200019 05200025 05200026 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
06/13/07	ML071660160	06/13/2007 Meeting Handouts - Joint AP1000 and ESBWR DCWG (NRC New Plant Reviews-Processes and Expectations). 14 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DNRL		05200018 05200019 05200022 05200023 05200025

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						05200026 05200027 05200028 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
06/14/07	ML071650543	06/13 - 06/14/2007 Meeting Handouts - Joint AP1000 and ESBWR DCWG. 84 Page(s)	Meeting Agenda Meeting Briefing Package/Handouts Slides and Viewgraphs	- No Known Affiliation	NRC/NRO	05200006 05200010 05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
06/15/07	ML071700090	Memo: Trip Report - June 6 - 7, 2007, Pre-Application Readiness Assessment (T-2) for a Combined License Application at the V.C. Summer Site. 7 Page(s)	Meeting Agenda Memoranda Trip Report	NRC/NRO/DSEER	NRC/NRO/DSEER/ NRC/NRO/DSEER/ ETSB	05200027 05200028 PROJ0743
06/15/07	ML071700158	Memo: Trip Report - April 16 - 17, 2007, Pre-Application Visit for a Combined License Application at the V.C. Summer Site. 7 Page(s)	Meeting Agenda Memoranda Trip Report	NRC/NRO/DSEER/EPB2	NRC/NRO/DSEER/ NRC/NRO/DSEER/ ETSB	05200027 05200028 PROJ0743
06/20/07	ML082470640	Grand Gulf, Unit 3, COL Application, Request for Information on Rare, Threatened, and Endangered Species Along a Proposed Transmission Corridor.	Letter License-Application for Combined License (COLA)	Enercon Services, Inc	NRC/NRR US Dept of Interior, Fish & Wildlife Service	05200027



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/11/07	ML072110500	7 Page(s) 07/24-25/2007 Meeting to Discuss Pre-Combined License Application Issues Enclosure. Consistent Radioactive Effluent Program Descriptions in COL Applications. 1 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO	NRC/NRO	05200018 05200019 05200025 05200026 05200029 05200030 PROJ0739 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
07/12/07	ML071930036	07/24-25/2007 Notice of Forthcoming Meeting with Joint AP1000/ESBWR Design Centered Working Groups Regarding Pre-COL Activities. 11 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/EPB1	NRC/NRO/DNRL/EPB1	05200006 05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0009 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0755 PROJ0756
07/24/07	ML072110418	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. Electronic Submittals. 7 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/24/07	ML072110437	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. Design Centered Working Group Presentation Combined License/Design Certification Acceptance Review. 1 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO/DNRL	NRC/NRO	PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
07/24/07	ML072110489	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. NRO Presentation on Joint AP1000/ESBWR Design-Centered Working Groups Pre-COL Activities: Quality Assurance Audits. 8 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DCIP/QVB1	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0745 PROJ0755 PROJ0756

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/24/07	ML072110497	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. NuStart Energy Presentation on Chapter 11 Programs DCWG. 20 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
07/24/07	ML072110511	07/24-25/2007 Meeting to Discuss Pre-Combined License Application Issues Enclosure. NRO Presentation on Clarifications to PRA Information to Support Design Certification and Combined License Applications. 17 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DSRA	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
07/25/07	ML072110508	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. NuStart Energy Presentation on ESBWR COL Items, Section 6.1 ESF Materials Coatings. 3 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
07/25/07	ML072110512	07/24-25/2007 Meeting to Discuss Pre-Combined License Application Issues Enclosure. NuStart Energy Presentation on AP1000 R-COLA FSAR Standardization. 35 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NuStart Energy Development, LLC	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
07/31/07	ML093040068	Westinghouse Technical Report APP-GW-GLR-133, Rev. 0, "AP1000 Standard Combined License Technical Report, Summary of Automobile Tornado Missile 30' Above Grade (TR 133)." 9 Page(s)	Report, Technical	Westinghouse Electric Co	NRC/NRO	05200027 05200028
08/14/07	ML072260049	08/28/2007 Notice of Public Outreach Meeting on Virgil C. Summer Nuclear Station Units 2 and 3, Combined License Application (COLA). 5 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B1	NRC/NRO/DNRL/AP1000B1	05200027 05200028 PROJ0743
08/15/07	ML072270309	08/28/2007 & 08/30/2007 Notice of Public Meetings with William States Lee III Nuclear Station, Units 1 and 2, and	Meeting Notice	NRC/NRO/DNRL		05200018 05200019 05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
09/12/07	ML072330168	Virgil C. Summer Nuclear Station Units 2 and 3, Combined License Application. 1 Page(s) 05/02/2007 - 05/03/2007 Summary of Meeting with Industry AP-1000 and Economic and Simplified Boiling Water Reactor (ESBWR) Design-Centered Working Groups (DCWG) to Discuss Pre-Combined License Application Issues. 15 Page(s)	Meeting Briefing Package/Handouts Meeting Summary	NRC/NRO/DNRL/EPB		05200028 PROJ0742 PROJ0743 05200018 05200019 05200022 05200023 05200025 05200026 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755
09/15/07	ML072390454	07/24-25/2007 Summary of Meeting With Representatives of AP1000 & ESBWR Design-Centered Working Groups (DCWGs) To Discuss Pre-Combined License Application Issues. 16 Page(s)	Meeting Agenda Meeting Briefing Package/Handouts Meeting Summary	NRC/NRO/DNRL	NRC/NRO	05200018 05200019 05200022 05200023 PROJ0700 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745
09/17/07	ML072110506	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. ISI/IST Reviews for COLs. 1 Page(s)	Graphics incl Charts and Tables Meeting Briefing Package/Handouts	NRC/NRO	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
09/17/07	ML072110451	07/24-25/2007 Meeting to Discuss Pre-Combined License Application Issue Enclosure. LPP Topics - Input from DCWGs (AP1 000, ABWR, ESBWR, EPR, USAPWR) + NEI. 1 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO	NRC/NRO	PROJ0744 PROJ0745 PROJ0755 PROJ0756 05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
09/17/07	ML072110460	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. Schedule for Illustrative Purposes Only. Reference COLA. 1 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
09/17/07	ML072110503	07/24-25/2007 Meeting To Discuss Pre-Combined License Application Issues Enclosure. ISI/IST Reviews for COLs. 3 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO	NRC/NRO	05200018 05200019 05200022 05200023

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
09/17/07	ML072110516	07/24-25/2007 Meeting to Discuss Pre-Combined License Application Issues Enclosure. NRO Presentation on Clarifications to PRA Information to Support Design Certification and Combined License Applications. 17 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DSRA	NRC/NRO	05200018 05200019 05200022 05200023 05200025 05200026 05200029 05200030 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0755 PROJ0756
09/18/07	ML072560535	10/03/2007 Forthcoming Meeting With Industry - V.C. Summer Seismic Site Approach. 8 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B1	NRC/NRO/DNRL/AP1000B1	05200027 05200028 PROJ0743
09/18/07	ML072630467	10/03/2007- Revised Notice of Forthcoming Meeting with South Carolina Electric and Gas Company to Discuss Virgil C. Summer Unit 2 & 3, Seismic Site Approach. 6 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL	NRC/NRO/DNRL/AP1000B1	05200027 05200028 PROJ0743
10/11/07	ML103140718	Virgil C. Summer, Units 2 & 3, Calculation 25242-ENV-002, Rev. 2,	Calculation	Bechtel Corp	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		"Natural Gas Pipeline Accidental Release." 19 Page(s)				
10/11/07	ML103140721	Virgil C. Summer, Units 2 & 3, Calculation 25242-ENV-012, Rev. 1, "TNT Mass Equivalents for Chemicals Transported by Rail." 32 Page(s)	Calculation	Bechtel Corp	NRC/NRO	05200027 05200028
11/06/07	ML073100036	10/03/2007 SCE&G SEISMIC Site Approach Meeting Sign-In Sheet. 2 Page(s)	- No Document Type Applies	NRC/NRO/DNRL/AP1000B 2		05200027 05200028 PROJ0743
11/06/07	ML073090487	10/03/2007 Meeting Presentation on Project Overview V.C. Summer Nuclear Station (VCSNS) Units 2 & 3. 128 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028 PROJ0743
11/06/07	ML073100181	10/03/2007 Summary of Public Meeting Between U.S. NRC and South Carolina Electric And Gas and The Industry Regarding Virgil C. Summer Nuclear Station (Units 2&3) Seismic Site Approach. 8 Page(s)	Meeting Summary Memoranda	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200027 05200028 PROJ0743
11/15/07	ML091050722	Map, "Active and Proposed Municipal Solid Waste (MSW) Landfills in South Carolina". 1 Page(s)	Map	State of SC, Dept of Health & Environmental Control	NRC/NRO	05200027 05200028
11/16/07	ML073100387	NRC Audit Report For The South Carolina Electric And Gas (SCE&G) VC Summer Nuclear Plant Combined License Application Review. 35 Page(s)	Audit Report Letter	NRC/NRO/DNRL	Nuclear Development Corp of America	05200027 05200028 PROJ0743
11/28/07	ML072760344	Trip Report - September 17-19, 2007, Pre-Application Readiness Assessment (T-2) for a Combined License Application at the Sheron Harris Site. 5 Page(s)	Memoranda Trip Report	NRC/NRO/DSER/ETSB	NRC/NRO/DSER/ EPB1	PROJ0743
12/31/07	ML091050726	Annual Operating Report from South Carolina regarding Solid Waste Management. 22 Page(s)	Annual Operating Report	State of SC, Div of Waste Management	NRC/NRO	05200027 05200028
12/31/07	ML091060768	Santee Cooper 2007 (Annual Report) -	Annual Report	Santee Cooper	NRC/NRO	05200027



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/05/08	ML090050441	Conservation and Renewable Energy are as Important as Building Power Plants. 72 Page(s) E-Mail Attachment - Technical Issue for NRC Management Discussion - Seismic Category ("SC") RW-11a Radwaste Building. 47 Page(s)	- No Document Type Applies	NRC/NRO/DNRL		05200028 05200001 05200002 05200003 05200004 05200006 05200007 05200008 05200009 05200010 05200011 05200012 05200013 05200014 05200015 05200016 05200017 05200018 05200019 05200020 05200021 05200022 05200023 05200024 05200025 05200026 05200027 05200028 05200029 05200030 05200031 05200032 05200033 05200034 05200035 05200036 05200037 05200038
01/05/08	ML090050444	E-Mail Attachment - Technical Issue for	- No Document Type	NRC/NRO/DNRL		05200001

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		NRC Management Discussion - Seismic Category II Buildings: Turbine Building. 17 Page(s)	Applies			05200002 05200003 05200004 05200006 05200007 05200008 05200009 05200010 05200011 05200012 05200013 05200014 05200015 05200016 05200017 05200018 05200019 05200020 05200021 05200022 05200023 05200024 05200025 05200026 05200027 05200028 05200029 05200030 05200031 05200032 05200033 05200035 05200036 05200037 05200038
01/17/08	ML080160050	1/30/2008 - 1/31/2008 Notice of Meeting with Industry's Design-Centered Working Groups Regarding Information on Status of Items of Interest to Industry as well as Processes the NRC Plans to Employ in Future COL Reviews. 7 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200006 05200010 05200012 05200013 05200014 05200015 05200018 05200019

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/24/08	ML080240064	01/30-31/2008-Revised Notice of Meeting With Industry Design-Centered Working Groups to Discuss Topics re: Information on Status of Items of Interest to Industry as Well as Processes the NRC Plans to Employ in Future COL Reviews. 12 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200022 05200023 05200025 05200026 05200029 05200030 05200040 05200041 PROJ0737 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0746 PROJ0750 PROJ0752 PROJ0755 PROJ0756 PROJ0759 PROJ0762 PROJ0763

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0746 PROJ0750 PROJ0752 PROJ0755 PROJ0756 PROJ0759 PROJ0762 PROJ0763 PROJ0765
02/04/08	ML080440063	Virgil C. Summer, Units 2 & 3, Update on Submittal of a Combined License Application (COLA). 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
02/15/08	ML093230356	Assessing the Potential for Renewable Energy Development on DOE Legacy Management Lands 163 Page(s)		Battelle Memorial Institute Midwest Research Institute National Renewable Energy Lab US Dept of Energy (DOE)		05200027 05200028
03/07/08	ML091050723	Map, "Active and Proposed Construction and Demolition (C&D) Debris Landfills in SC." 1 Page(s)	Map	State of SC, Dept of Health & Environmental Control State of SC, Div of Waste Management	NRC/NRO	05200027 05200028
03/27/08	ML081300572	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Emergency Plan 264 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300573	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Evacuation Time Estimates for V. C. Summer - Part 1 74 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300574	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Evacuation Time Estimates for V. C. Summer - Part 2	Emergency Preparedness-Emergency Plan License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/27/08	ML081300575	75 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Evacuation Time Estimates for V. C. Summer - Part 3 85 Page(s)	for Combined License (COLA) Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300576	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Evacuation Time Estimates for V. C. Summer - Part 4 10 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300577	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Evacuation Time Estimates for V. C. Summer - Part 5 66 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300578	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 0 - Local Emergency Plans - County Offsite Plan Matrix for V. C. Summer 31 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300506	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - FSAR Master Table of Contents 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300507	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 01 - Introduction and General Description of the Plant 140 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300508	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 01 - Introduction - Figure 1.1-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300509	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 01 - Introduction - Figure 1.1-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 01 - Introduction - Figure 1.1-202 1 Page(s)	Report (FSAR) License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028 PROJ0743
03/27/08	ML081300510	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 01 - Introduction - Figure 1.2-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300511	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.0 12 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300512	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics and Demography 34 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300513	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.2 - Nearby Industrial, Transportation, and Military Facilities 41 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300514	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 174 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300516	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering 166 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300517	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site	Final Safety Analysis Report (FSAR) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/27/08	ML081300518	Characteristics - Section 2.5.0 - Geology, Seismology, and Geotechnical Engineering 5 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information 116 Page(s)	for Combined License (COLA)  Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300519	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.5.2 - Vibratory Ground Motion 137 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300520	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300521	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.5.4 - Stability of Subsurface Materials and Foundations 153 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300522	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.5.5 - Combined License Information for Stability of Slopes 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300523	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 02 - Site Characteristics - Section 2.5.6 - Combined License Information for Embankments and Dams	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/27/08	ML081300524	2 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 03 - Design of Structures, Components, Equipment and Systems 38 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300525	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 04 - Reactor 7 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300526	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 05 - Reactor Coolant System and Connected Systems 15 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300527	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 06 - Engineered Safety Features 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300528	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 07 - Instrumentation and Controls 8 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300529	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 08 - Electric Power 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300530	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 08 - Electric Power - Figure 8.2-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300531	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 08 - Electric Power - Figure 8.2-202 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/27/08	ML081300532	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 09 - Auxiliary Systems 48 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300533	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 09 - Auxiliary Systems - Figure 9A-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300534	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 09 - Auxiliary Systems - Figure 9.2-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300535	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 10 - Steam and Power Conversion 22 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300536	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 10 - Steam and Power Conversion - Figure 10.4-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300537	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 11 - Radioactive Waste Management 33 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300538	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 12 - Radiation Protection 22 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300539	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 12 - Radiation Protection - Figure 12.3-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300540	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report),	Final Safety Analysis Report (FSAR)	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Rev. 0 - Chapter 12 - Radiation Protection - Figure 12.3-202 1 Page(s)	License-Application for Combined License (COLA)		NRC/NRO	PROJ0743
03/27/08	ML081300541	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 12 - Radiation Protection - Figure 12.3-203 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300542	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 13 - Conduct of Operations 74 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300543	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 13 - Conduct of Operations - Figure 13.1-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300544	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 13 - Conduct of Operations - Figure 13.1-202 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300545	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 13 - Conduct of Operations - Figure 13.1-203 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300546	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 13 - Conduct of Operations - Figure 13AA-201 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300547	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 13 - Conduct of Operations - Figure 13AA-202 1 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300548	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 14 - Initial Test Program	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/27/08	ML081300549	19 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 15 - Accident Analyses 12 Page(s)	(COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300550	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 16 - Technical Specifications 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300552	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 17 - Quality Assurance 9 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300553	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 18 - Human Factors Engineering 18 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300554	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 0 - Chapter 19 - Probabilistic Risk Assessment 73 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300593	V. C. Summer Nuclear Station Units 2 & 3 COLA (Generic DCD Departures Report), Rev. 0 - Departures and Exemptions 14 Page(s)	Generic DCD Departures Report License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300597	V. C. Summer Nuclear Station Units 2 & 3 COLA (ITAAC), Rev. 0 - Proposed License Conditions and ITAAC 29 Page(s)	Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML080910424	V. C. Summer, Units 2 and 3 - Part 8 of the Combined License Application Security Plan. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO NRC/NSIR/DSO	05200027 05200028 PROJ0743

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/27/08	ML081300460	V. C. Summer, Units 2 & 3, Submittal of Combined License Application for Two Westinghouse AP1000 Advanced Pressurized Water Reactor Units to be Located at Existing Site in Fairfield County, South Carolina. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300504	V. C. Summer Nuclear Station Units 2 & 3 COLA (General Financials), Rev. 0 - General and Administrative Information 13 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300570	V. C. Summer Nuclear Station Units 2 & 3 COLA (Technical Specifications), Rev. 0 - Technical Specifications 847 Page(s)	License-Application for Combined License (COLA) Technical Specifications	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300643	V. C. Summer Nuclear Station Units 2 & 3 COLA (Seismic Technical Advisory Review), Rev. 0 - Seismic Technical Advisory Group Letter 8 Page(s)	License-Application for Combined License (COLA) Report, Technical	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
03/27/08	ML081300645	V. C. Summer Nuclear Station Units 2 & 3 COLA (Quality Assurance Program), Rev. 0 - Quality Assurance Program Description 53 Page(s)	License-Application for Combined License (COLA) Quality Assurance Program	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	PROJ0743
03/30/08	ML091060771	Combined Application for Certificate of Environmental Compatibility, Public Convenience and Necessity and for a Base Load Review Order, Part 2. 105 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
05/01/08	ML080850377	01/30/2008 - 01/31/2008 - Summary of Meeting with Industry's Design-Centered Working Groups to Discuss Items of Interest Pertaining to COL Reviews. 8 Page(s)	Meeting Agenda Meeting Briefing Package/Handouts Meeting Summary	NRC/NRO/DNRL/AP1000B 1		05200010 05200011 05200012 05200013 05200014 05200015 05200018 05200019 05200022 05200023 05200025

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						05200026 05200029 05200030 05200040 05200041 PROJ0738 PROJ0740 PROJ0741 PROJ0742 PROJ0743 PROJ0744 PROJ0745 PROJ0746 PROJ0749 PROJ0750 PROJ0751 PROJ0752 PROJ0754 PROJ0755 PROJ0756 PROJ0759 PROJ0760 PROJ0761 PROJ0762 PROJ0763
05/07/08	ML081200796	04/10/2008-Summary of Public Meeting With AP1000/ESBWR Design-Centered Working Groups, to Discuss Combined License Application Issues. 16 Page(s)	Meeting Summary	NRC/NRO/DNRL	GE-Hitachi Nuclear Energy Americas, LLC Westinghouse Electric Co	05200010 05200011 05200014 05200015 05200017 05200018 05200019 05200022 05200023 05200024 05200025 05200026 05200029 05200030 05200040 05200041 PROJ0738 PROJ0740

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/14/08	ML082830321	Santee River Basin Accord for Diadromous Fish Protection, Restoration, and Enhancement. 19 Page(s)	Policy and Program Guidance	Duke Energy Carolinas, LLC South Carolina Electric & Gas Co State of NC, Wildlife Resources Commission State of SC, Dept of Natural Resources US Dept of Interior, Fish & Wildlife Service	NRC/NRO/DSEER	PROJ0742 PROJ0743 PROJ0745 PROJ0755 PROJ0756 PROJ0763 05200027 05200028
06/03/08	ML081550327	06/12/2008 - Notice of Meeting with South Carolina Electric & Gas to Provide NRC Staff with Site Orientation Characteristics and Surveys for V.C. Summer, Units 2 & 3. 8 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200027 05200028 PROJ0743
06/12/08	ML082980351	List of Attendees for the June 12, 2008 Meeting with Virgil C. Summer, Unit 2 and 3. 1 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
06/12/08	ML083020266	Enclosure 1 - VCSNS Cola Orientation Meeting, SC&G Briefing Package. 68 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	South Carolina Electric & Gas Co	NRC/NRO/DNRL/ NWE1	05200027 05200028
06/18/08	ML091060036	Virgil C. Summer, Units 2 & 3, Submittal of Environmental Report, Letter Regarding Review of SCE&G's Integrated Resource Plan (IRP) from 2006 - Present. 1 Page(s)	Letter	State of SC, Office of Regulatory Staff	NRC/NRO	05200027 05200028
06/23/08	ML081560742	SCE&G, Virgil C Summer, Units 2 and 3, FRN - Notice of Receipt and Availability of Application For A Combined License Application. 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL/AP1000B 1		05200027 05200028 PROJ0743
06/26/08	ML081560732	Acknowledgment of Receipt of the	Letter	NRC/NRO/DNRL/AP1000B	Southern	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application for V. C. Summer Nuclear Stations Units 2 and 3 and Associated Federal Register Notice. 5 Page(s)		1	California Gas Co	05200028 PROJ0743
06/26/08	ML081900160	V. C. Summer, Units 2 & 3, Transmittal of Emergency Planning Certification Letters. 12 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028 PROJ0743
06/26/08	ML081780660	Press Release-08-120: Summer Application For New Reactors Available on NRC's Website. 1 Page(s)	Press Release	NRC/OPA		05200027 05200028 PROJ0743
06/27/08	ML081890225	Retired Pressurizer Nozzle Alloy 82/182 Weld Inspections in February and March 2008. 14 Page(s)	Memoranda	NRC/NRR/ADES/DCI	NRC/NRR/ADES	PROJ0743
06/30/08	ML082760696	Macroinvertebrate Assessment of Parr Reservoir and Lake Monticello Near The VC Summer Nuclear Station Operated by South Carolina Electric and Gas Company, Fairfield County, South Carolina June 2008. 27 Page(s)	Report, Technical	Carnagey Biological Services, LLC	NRC South Carolina Electric & Gas Co	05200027 05200028
07/03/08	ML081840331	Acceptance Review Results for the VC Summer Nuclear Site Units 2 and 3 Combined License Application (TAC 5528). 4 Page(s)	Memoranda	NRC/NRO/DSE/EPB1	NRC/NRO/DNRL/ AP1000B1	05200027 05200028 PROJ0743
07/09/08	ML082060094	FRN- Official Acknowledgment of Receipt of COL for VC Summer, Units 2 & 3. 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL		05200027 05200028
07/11/08	ML100200669	U. S. Environmental Protection Agency Region 4 - Approval of the State of South Carolina's 2008 303(d) List Submittal. 162 Page(s)	Letter	US Environmental Protection Agency (EPA)	NRC/NRO State of SC, Dept of Environmental Control, Bureau of Water	05200027 05200028
07/15/08	ML083250257	SCANA Services Tree harvest Map, July 15, 2008. 1 Page(s)	Map	SCANA Services, Inc	NRC/NRO	05200027 05200028
07/23/08	ML082050143	Results of Acceptance Review for the	Memoranda	NRC/NRR/ADRO/DPR/FP	NRC/NRO/DNRL/	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		V.C. Summer Nuclear Station, Units 2 & 3, Combined Operating License Application. 2 Page(s)		RB	AP1000B1	05200028 PROJ0743
07/31/08	ML082050304	Acceptance Review for the Virgil C. Summer Nuclear Station, Units 2 and 3 Combined License Application. 6 Page(s)	Federal Register Notice Letter	NRC/NRO/DNRL/AP1000B1	South Carolina Electric & Gas Co	05200027 05200028
07/31/08	ML082760695	Macroinvertebrate Assessment of Mayo Creek Near the V. C. Summer Nuclear Station Operated by South Carolina Electric and Gas Company, Fairfield County, South Carolina, July 2008. 21 Page(s)	Report, Miscellaneous	Carnagey Biological Services, LLC	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
08/01/08	ML082100597	Federal Register Notice re South Carolina Electric and Gas Company as Itself and Acting as Agent for the South Carolina Public Service Company (Also Referred to as Santee Cooper) Acceptance for Docketing of an Application for Combined License.... 3 Page(s)	Federal Register Notice	NRC/NRO/DNRL/AP1000B1		05200027 05200028
08/06/08	ML082240094	FRN - South Carolina Electric & Gas Company as Itself & Acting as Agent for the South Carolina Public Service Company (Also Referred to as Santee Cooper) Acceptance for Docketing of an Application for Combined License for Virgil C. Summer, Units 2 and 3. 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL		05200027 05200028
08/06/08	ML082190588	Press Release-08-146: NRC Accepts Application for New Reactor at Summer. 1 Page(s)	Press Release	NRC/OPA		05200027 05200028
08/08/08	ML082210736	DHS Consultation for V.C. Summer Combined License Application Consultation. 2 Page(s)	Letter	NRC/NSIR/DSP/DDRSR/R SPLB	US Dept of Homeland Security, Office of Infrastructure Protection	05200027 05200028
08/13/08	ML082200442	June 24, 2008 Conference Call Discussion with South Carolina Electric and Gas Concerning the Acceptance	Memoranda	NRC/NRO/DSE/EPB1	NRC/NRO/DSE/EPB1	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/20/08	ML082250489	Review of the Environmental Report for V.C. Summer Nuclear Station Units 2 And 3 COLA. 5 Page(s) 06/26/2008 Conference Call with South Carolina Electric and Gas to Discuss Staff's Acceptance Review of Alternate Site Selection Process Included in the Environmental Report for V. C. Summer, Units 2 & 3, Combined Operating License Application. 7 Page(s)	Memoranda	NRC/NRO/DSER	NRC/NRO/DSER/EPB1	05200027 05200028
08/22/08	ML082260434	Changes in the Processing of Requests for Additional Information - The Virgil C. Summer Nuclear Station Units 3 and 4 Combined License Application. 5 Page(s)	Letter	NRC/NRO/DNRL/AP1000B 1	South Carolina Electric & Gas Co	05200027 05200028
08/25/08	ML082680275	V.C. Summer, Units 2 & 3, Transmission Line Siting Study - Santee Cooper. 151 Page(s)	Report, Technical	MACTEC Engineering & Consulting, Inc	NRC/NRO Santee Cooper	05200027 05200028
08/31/08	ML082680277	V.C. Summer, Units 2 & 3, Transmission Line Siting Study, Cover Through Page 52. 56 Page(s)	Report, Technical	Facilities Planning & Siting, PLLC	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
09/04/08	ML082680273	Virgil C. Summer, Units 2 & 3, Submittal of Supporting Documents (T&D Siting Studies) for Combined License Application. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/04/08	ML082680280	V.C. Summer, Units 2 & 3, Transmission Line Siting Study, Figure 4.6-1 Through Figure 4.7-8. 11 Page(s)	Map Report, Technical	Facilities Planning & Siting, PLLC	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
09/04/08	ML082680276	V.C. Summer, Units 2 & 3, Transmission Line Siting Study, Figure 5.1-1 Through End. 40 Page(s)	Report, Technical	Facilities Planning & Siting, PLLC	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
09/04/08	ML082680279	V.C. Summer, Units 2 & 3, Transmission Line Siting Study, Page 53 Through Figure 4.5-3. 28 Page(s)	Report, Technical	Facilities Planning & Siting, PLLC	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
09/04/08	ML082480607	2008/09/04 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 001 RELATED TO SRP SECTION 2.5.2 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 6 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
09/05/08	ML082620231	Terrestrial Ecology Issues Related to COL Application. 5 Page(s)	Report, Miscellaneous	Bechtel Power Corp	NRC	05200027 05200028
09/10/08	ML082490610	Correction to Letter--Changes In The Processing of Requests for Additional Information - The Virgil C. Summer Nuclear Station Units 2 And 3 Combined License Application. 2 Page(s)	Letter	NRC/NRO/DNRL/AP1000B 1	South Carolina Electric & Gas Co	05200027 05200028
09/19/08	ML082630058	2008/09/19 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 002 RELATED TO SRP SECTION 2.5.2 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 7 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
09/23/08	ML082760398	V. C. Summer, Units 2 and 3, 10 CFR 50.46 Report for the Standard Westinghouse AP1000 Plant Design. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/24/08	ML082490363	Maintenance of Reference Materials at Fairfield County Library Re Review of South Carolina Electric and Gas Company (SCE&G) and South Carolina Public Service Authority (Santee Cooper) Combined License Application at Virgil C. Summer Nuclear Station.... 4 Page(s)	Letter	NRC/NRO/DUSER/EPB1	Fairfield County, SC	05200027 05200028
09/25/08	ML082750029	V. C. Summer, Units 2 and 3 - Combined License Application Departure Report Update. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/26/08	ML082590543	Virgil C. Summer Nuclear Station Units	Graphics incl Charts	NRC/NRO/DNRL/AP1000B	South Carolina	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		2 and 3 Combined Application Review Schedule. 8 Page(s)	and Tables Letter	1	Electric & Gas Co	05200028
09/29/08	ML082390784	South Carolina Electric & Gas Company - Notice of Hearing & Opportunity to Petition for Leave to Intervene and Order Imposing Procedures for Access to Sensitive Unclassified Non-Safeguards Information & Safeguards Information for Contention Preparation. 5 Page(s)	Letter	NRC/NRO/DNRL/AP1000B 1	South Carolina Electric & Gas Co	05200027 05200028
09/29/08	ML082701117	10/09/2008 Notice of Forthcoming Meeting with AP1000 Design-Centered Working Group (DCWG) to Discuss Various Topics of Interest. 8 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0756 PROJ0763
09/30/08	ML091891011	Macroinvertebrate Assessment of Parr Reservoir and Monticello Reservoir Near the VC Summer Nuclear Station Operated by South Carolina Electric and Gas Co. 36 Page(s)	Report, Miscellaneous	Carnagey Biological Services, LLC	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028
10/01/08	ML083250256	V. C. Summer, Units 2 and 3 - COLA Environmental Surveys Status of October 1, 2008. 7 Page(s)	Status Report	- No Known Affiliation	NRC/NRO	05200027 05200028
10/02/08	ML082820349	Virgil C. Summer Units 2 & 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 001, SRP Section: 2.5.2 - Vibratory Ground	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Motion. 4 Page(s)				
10/07/08	ML082400897	FRN - Notice of Hearing and Opportunity to Petition For Leave, South Carolina Electric and Gas Company as Itself and Acting Agent for the South Carolina Public Service Authority (Also Referred to as Santee Cooper).	Federal Register Notice	NRC/SECY		05200027 05200028
10/09/08	ML083090674	18 Page(s) NuStart Energy AP1000 Design-Centered Work Group Presentation. 18 Page(s)	Meeting Agenda Meeting Briefing Package/Handouts Slides and Viewgraphs	NuStart Energy Development, LLC	NRC/NRO	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
10/09/08	ML083090702	NuStart Technical Issues Presentation. 33 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NuStart Energy Development, LLC	NRC/NRO	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
10/10/08	ML083360181	FRN - Official Notice Regarding Hearing	Federal Register	NRC/NRO/DNRL/NWE1		05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Opportunity to Petition for Leave to Intervene, VC Summer Units 2 and 3 3 Page(s)	Notice			05200028
10/10/08	ML083430155	FRN - Office Notice of Hearing and Opportunity to Petition for Leave to Intervene - VCSummer , Units 2 and 3 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL/NWE1		05200027 05200028
10/10/08	ML092930062	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 7 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
10/10/08	ML082840101	Press Release-08-186: NRC Announces Opportunity to Participate in Hearing on New Reactor Application for Summer Site. 1 Page(s)	Press Release	NRC/OPA		05200027 05200028
10/17/08	ML082970561	Virgil C. Summer, Units 2 & 3 Combined License Application - Response to NRC Request for Additional Information (RAI) Letter No. 002. 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/21/08	ML100280691	Coal Combustion Nuclear Resource or Danger. 9 Page(s)	- No Document Type Applies	Oak Ridge National Lab (ORNL)	NRC/NRO	05200027 05200028
10/21/08	ML100280891	Integrated Waste Services Association Energy. 1 Page(s)	Report, Miscellaneous	Integrated Waste Services Association	NRC/NRO	05200027 05200028
10/22/08	ML083050562	Task Order No. 0057 Under Delivery Order No. NRC-42-07-036. 9 Page(s)	ACQ-Contract Task Order	NRC/ADM/DC	Information Systems Labs, Inc	05200027 05200028
10/23/08	ML082970015	2008/10/23 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 003 RELATED TO SRP SECTION 15.00.03 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 6 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
10/28/08	ML083010459	11/07/2008-Notice of Forthcoming Meeting with AP1000 Design-Centered Working Group, to Discuss Various	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/AP1000B 1	NRC/NRO/DNRL/ AP1000B1	05200014 05200015 05200018

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Topics of Interest. 7 Page(s)				05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0756 PROJ0763
11/04/08	ML083090733	Status of Question handout. 1 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO		05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
11/10/08	ML092930053	Map, Revision 2, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930052	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930054	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 1 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930055	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 1 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Nuclear Deployment". Sheet 2 of 21. 1 Page(s)				
11/12/08	ML092930056	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 3 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930059	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 6 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930060	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 4 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930061	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 5 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930063	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 8 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930064	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 9 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930069	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 13 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930070	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 10 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930072	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 11 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930073	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 12 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
11/12/08	ML092930074	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 14 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930075	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 15 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930076	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 16 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930077	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 17 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930101	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 20 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930102	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 18 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930103	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 19 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/12/08	ML092930104	Map, Revision 1, "Detailed Wetlands Survey Map Prepared for SCE&G New Nuclear Deployment". Sheet 21 of 21. 1 Page(s)	Map	Glenn Associates Surveying, Inc	NRC/NRO	05200027 05200028
11/13/08	ML082840352	Virgil C. Summer, Units 2 & 3 Combined License Application-Request For Withholding Information From Public Disclosure. 6 Page(s)	Letter	NRC/NRO/DNRL/AP1000B 1	South Carolina Electric & Gas Co	05200027 05200028
11/13/08	ML083050649	10/09/2008 Summary of Category 1 Public Meeting With the AP1000 Design-Centered Working Group To Discuss Various Topics of Interest. 10 Page(s)	Meeting Summary Memoranda	NRC/NRO/DNRL	NRC/NRO/DNRL	05200014 05200015 05200018 05200019 05200022



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
11/19/08	ML083290464	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 003. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/21/08	ML083170860	11/07/2008 - Summary of Category 1 Public Meeting with the AP1000 Design-Centered Working Group to Discuss the Status of Items of Interest. 12 Page(s)	Meeting Agenda Meeting Summary Memoranda	NRC/NRO/DNRL	NRC/NRO/DNRL	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
11/25/08	ML100210568	U. S. Fish & Wildlife Service - Charleston Ecological Services Office. 22 Page(s)	- No Document Type Applies	US Dept of Interior, Fish & Wildlife Service	NRC/NRO	05200027 05200028
11/25/08	ML091050713	List of Endangered Species in South Carolina Counties. 32 Page(s)	Journal Article	Charleston Ecological Services	NRC/NRO	05200027 05200028
12/01/08	ML082510009	VCSNS COLA Orientation Meeting Slides 63 Page(s)	Slides and Viewgraphs	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
12/15/08	ML082980346	06/12/08 - Summary of Public Meeting with South Carolina Electric and Gas	Meeting Summary	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/16/08	ML0833530556	Company (SC&G), Virgil C. Summer Units 2 and 3. 5 Page(s) Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 004 Related to SRP Section 7.5. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/17/08	ML083520167	2008/12/17 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 010 RELATED TO SRP SECTION 14.02 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 6 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
12/18/08	ML091050714	Journal Article on "Squeiching Water Primrose". 2 Page(s)	Journal Article	US Dept of Agriculture, Agricultural Research Service	NRC/NRO	05200027 05200028
12/22/08	ML083650124	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 007. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/22/08	ML083650125	Virgil C. Summer, Units 2 & 3 Combined License Application, Response to NRC Request for Additional Information Letter No. 005. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/22/08	ML083650126	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 006. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/24/08	ML083310345	S. Byrne Enclosure re: Summer FR Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping Process. 8 Page(s)	Federal Register Notice	NRC/NRO/DSEER		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/24/08	ML083300673	S. Byrne Letter re: Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping Related to a Combined License for Virgil C. Summer Nuclear Station, Units 2 and 3 (RD5203). 4 Page(s)	Letter	NRC/NRO/DSEER	South Carolina Electric & Gas Co	05200027 05200028
12/31/08	ML083530210	1/15/2009 -Notice of Meeting with AP1000 DCWG to Discuss Various Topics of Interest (TAC Q00118). 7 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL	NRC/NRO/DNRL	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
12/31/08	ML090060910	01/15/2009 Revised Meeting Notice, Meeting With AP1000 Design-Centered Working Group. 7 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
12/31/08	ML091060769	South Carolina Public Service Authority Integrated Resource Plan 2008. 29 Page(s)	Operating Plan	Santee Cooper South Carolina Public Service Authority	NRC/NRO	05200027 05200028
01/05/09	ML091070261	Comments on Virgil C. Summer Nuclear Station Units 2 and 3 - Surveys (174-	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		191). 21 Page(s)				
01/05/09	ML091070262	Comment (20) on Proposed Expansion of Virgil C. Summer Nuclear Plant Units 2 and 3 -- Surveys (1-79). 82 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
01/05/09	ML091100158	Comment (22) on Proposed Expansion of Virgil C. Summer Nuclear Plant Units 2 and 3 -- Surveys (1-94). 95 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
01/05/09	ML090050273	Press Release-09-001: NRC Meeting with Public Jan. 27-28 on Environmental Issues for Summer New Reactor Application. 2 Page(s)	Press Release	NRC/OPA		05200027 05200028
01/06/09	ML090270892	2009/01/06 - Comment (1) E-mail regarding VC Summer – EIS Scoping 3 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSE/R RAP2	05200027
01/06/09	ML093230313	South Carolina Electric & Gas Co., Site Selection Study Report. 143 Page(s)	Report, Technical	Tetra Tech NUS, Inc	NRC/NRO	05200027 05200028
01/07/09	ML083520289	01/27-28/2009-Notice of Public Meeting to Discuss Environmental Scoping Process for the Virgil C. Summer Nuclear Station Units 2 & 3 Combined License Application. 11 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DSE/R/RAP2	NRC/NRO/DSE/R/ RAP2	05200027 05200028
01/08/09	ML090080255	2009/01/08 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 011 RELATED TO SRP SECTION 17.01 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 7 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
01/08/09	ML090080391	2009/01/08 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 012 RELATED TO SRP SECTION 17.5 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/12/09	ML083370501	8 Page(s) Request for Participation in the Environmental Scoping Process and a List of Protected Species Within the Area Under Evaluation for the Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application Review, Figure 3.1-3, Site Plan. 1 Page(s)	Drawing	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
01/12/09	ML083370280	Request for Participation in the Scoping Process for the Virgil C. Summer, Units 2 & 3, Combined License Application. 5 Page(s)	Letter	NRC/NRO/DSEER	US Advisory Council On Historic Preservation	05200027 05200028
01/12/09	ML083370604	Request for Participation in the Environmental Scoping Process and a List of Protected Species Within the Area Under Evaluation for the Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application Review. 7 Page(s)	Letter	NRC/NRO/DSEER	US Dept of Commerce, National Marine Fisheries Service	05200027 05200028
01/12/09	ML083380411	Request for Participation in the Environmental Scoping Process and A List of Protected Species Within the Area Under Evaluation for the Virgil C. Summer Nuclear Station, units 2 and 3, Combined License Application Review. 7 Page(s)	Letter	NRC/NRO/DSEER	US Dept of Interior, Fish & Wildlife Service	05200027 05200028
01/12/09	ML083380556	Summer, Catawba Indian Nation Ltr., Request for Participation in the Scoping Process for the Environmental Review of the Virgil C. Summer Nuclear Station, Units 2 and 3, Combined License Application. 7 Page(s)	Letter	NRC/NRO/DSEER	Catawba Indian Nation	05200027 05200028
01/12/09	ML083380585	Request for Participation in the Scoping Process for the Environmental Review of the Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application. 7 Page(s)	Letter	NRC/NRO/DSEER	Cherokee Nation	05200027 05200028
01/12/09	ML083380614	Summer United Keetoowah Band of Cherokee Indians Scoping Letter, 7 Page(s)	Letter	NRC/NRO/DSEER	United Keetoowah Band of Cherokee	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Request for Participation in Scoping Process for Environmental Review of Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application. 7 Page(s)			Indians	
01/12/09	ML083380660	Request for Participation in the Scoping Process and List of State Listed Protected Species for the Environmental Review for the Virgil C. Summer Nuclear Station, Unit 2 and 3, Combined License Application. 7 Page(s)	Letter	NRC/NRO/DSEER	State of SC, Dept of Natural Resources	05200027 05200028
01/12/09	ML083380728	Request for Participation in the Scoping Process for the Virgil C. Summer Nuclear Station, Units 2 and 3, Combined License Application Review. 7 Page(s)	Letter	NRC/NRO/DSEER/RAP2	State of SC, Dept of Archives and History	05200027 05200028
01/12/09	ML083380737	Summer Eastern Band of Cherokee Nation Letter, Request for Participation in the Scoping Process for the Environmental Review of the Virgil C. Summer Nuclear Station, Units 2 and 3, Combined License Application. 7 Page(s)	Letter	NRC/NRO/DSEER	Eastern Band of Cherokee Indians	05200027 05200028
01/12/09	ML083659305	Request for Participation in the Scoping Process for the Virgil C. Summer Nuclear Station, Units 2 and 3, Combined License Application. 8 Page(s)	Letter	NRC/NRO/DSEER	US Dept of Energy, Federal Energy Regulatory Commission (FERC)	05200027 05200028
01/14/09	ML090210079	Virgil C. Summer, Units 2 & 3 Combined License Application, Response to NRC Request for Additional Information Letter No. 010. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/19/09	ML090270987	Virgil C. Summer, Units 2 and 3 - Submittal of Supporting Document (Site Selection Study Report) for the Combined License Application - Cover Letter. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/19/09	ML090270990	Virgil C. Summer, Units 2 and 3 - Site Selection Study Report.	Report, Miscellaneous	Tetra Tech NUS, Inc	NRC/NRO South Carolina	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/22/09	ML090220301	143 Page(s) 2009/01/22 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 020 RELATED TO SRP SECTION 03.05.01.06 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 6 Page(s)	Request for Additional Information (RAI)	NRC/NRO	Electric & Gas Co NRC/NRO/DNRL/ NWE1	05200027 05200028
01/22/09	ML090220303	2009/01/22 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 021 RELATED TO SRP SECTION 02.02.01-02.02.02 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 6 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
01/22/09	ML090220636	2009/01/22 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 024 RELATED TO SRP SECTION 06.04 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 7 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
01/26/09	ML090630365	Virgil C. Summer, Units 2 and 3 - Submittal of References for the Combined License Application for Part 3, Environmental Report (ER). 1 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/27/09	ML090840356	2009/01/27 - Comment (2) E-mail regarding VC Summer - EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/ RAP2	05200027
01/27/09	ML090840358	2009/01/27 - Comment (3) E-mail regarding VC Summer - EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/ RAP2	05200027
01/27/09	ML090840359	2009/01/27 - Comment (4) E-mail regarding VC Summer - EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/ RAP2	05200027
01/27/09	ML090840361	2009/01/27 - Comment (5) E-mail	General FR Notice	Public Commenter	NRC/NRO/DSEI/ RAP2	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		regarding VC Summer – EIS Scoping 2 Page(s)	Comment Letter		RAP2	
01/27/09	ML090840362	2009/01/27 - Comment (6) E-mail regarding VC Summer – EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
01/27/09	ML090840363	2009/01/27 - Comment (7) E-mail regarding VC Summer – EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
01/27/09	ML090840375	2009/01/27 - Comment (14) E-mail regarding VC Summer – EIS Scoping 8 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
01/28/09	ML090330648	01/27-28/2009 Meeting Agenda, Public Meeting to Discuss Environmental Scoping Process for the Virgil C. Summer, Units 2 and 3, Combined License Application. 4 Page(s)	Federal Register Notice Meeting Agenda	NRC/NRO		05200027 05200028
01/28/09	ML090840364	2009/01/28 - Comment (8) E-mail regarding VC Summer – EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
01/28/09	ML090330153	Virgil C. Summer, Units 2 & 3 - Combined License Application Supplemental Response to NRC Request for Additional Information Letter No. 004. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/09	ML090330154	Virgil C. Summer Units 2 & 3 Combined License Application - Response to NRC Request for Additional Information Letter No. 022, SRP Section: 09.04.01 - Control Room Area Ventilation System. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/09	ML090330672	01/28/2009 Meeting Slides on Public Scoping Meeting Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application Environmental Review. 16 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DSEER		05200027 05200028
01/28/09	ML090650260	01/28/2009 - Meeting Feedback Re: Public Scoping Related to Virgil C. Summer, Units 2 and 3. 2 Page(s)	Meeting Briefing Package/Handouts	Blair Coalition of Churches	NRC/NRO/DSEER	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/29/09	ML090540396	Comment (3) of Timothy N. Hall on Behalf of U.S. Department of the Interior on Building Two New Reactors For Virgil C. Summer Nuclear Station. 5 Page(s)	General FR Notice Comment Letter	US Dept of Interior, Fish & Wildlife Service	NRC/ADM/DAS/R DEB	05200027 05200028
02/02/09	ML090840366	2009/02/02 - Comment (9) E-mail regarding VC Summer – EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/ RAP2	05200027
02/02/09	ML090840370	2009/02/02 - Comment (11) E-mail regarding VC Summer – EIS Scoping 10 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/ RAP2	05200027
02/02/09	ML090360524	Virgil C. Summer Nuclear Station (VCSNS), Units 2 and 3 - Combined License Application (COLA) Response to NRC Request for Additional Information (RAI) Letter No. 012. 21 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/02/09	ML090360527	Virgil C. Summer, Units 2 & 3 - Combined License Application - Response to NRC Request for Additional Information Letter No. 011. 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/02/09	ML083390563	Trip Report - November 17-19, 2008, Hydrology Site Visit in Support of the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application. 10 Page(s)	Memoranda Trip Report	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
02/02/09	ML083460629	11/17-29/2008, Summer Hydrology Trip Report Containing Photos from Excavation of VC Summer Unit 1. 9 Page(s)	Photograph Slides and Viewgraphs	NRC/NRO/DNRL/NWE1		05200027 05200028
02/02/09	ML083460628	11/17-19/2008, Summer Hydrology Trip Report Containing Presentation Material Provided During the Site Visit. 11 Page(s)	Slides and Viewgraphs	NRC/NRO/DNRL/NWE1		05200027 05200028
02/05/09	ML090490643	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Figure 1-2: "VC Summer Line-Node Analysis Network," in Response to NRC Request for Additional Information (RAI) Letter No. 013. 1 Page(s)	Drawing Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/05/09	ML090490628	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 013 - Related to SRP Section 13.03. 112 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/10/09	ML090860437	Comment (18) of E. Crosby Lewis Opposed to Construction of Two New Reactors at the Virgil C. Summer Site. 3 Page(s)	General FR Notice Comment Letter	Lewis Law, Inc	NRC/NRO/DSER/RENV	05200027 05200028
02/10/09	ML090440219	Virgil C. Summer, Units 2 & 3 - Combined License Application - Response to NRC Request for Additional Information Letter No. 008. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/10/09	ML090650712	U.S Army Corps of Engineers Request to be a Cooperating Agency. 2 Page(s)	Letter	US Dept of the Army, Corps of Engineers	NRC/NRO/DSER	05200027 05200028
02/11/09	ML090720070	Comment (6) of J. Richards Todd on Behalf of South Carolina Trucking Association Supporting Scana/Santee Cooper Combined License Application in Fairfield County. 1 Page(s)	General FR Notice Comment Letter	South Carolina trucking Associate, Inc	NRC/ADM/DAS/R DEB	05200027 05200028
02/12/09	ML090430335	2009/02/12 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 032 RELATED TO SRP SECTION 02.05.04 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 9 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
02/12/09	ML090430362	2009/02/12 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 033 RELATED TO SRP SECTION 02.05.01 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 21 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
02/12/09	ML090430363	2009/02/12 Summer RAI for SER - REQUEST FOR ADDITIONAL	Request for Additional Information	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		INFORMATION LETTER NO. 034 RELATED TO SRP SECTION 02.05.03 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 8 Page(s)	(RAI)			
02/13/09	ML090490092	Virgil C. Summer, Units 2 & 3, Combined License Application - Response to NRC Request for Additional Information Letter No. 026. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/13/09	ML090260352	02/13/2009 Summary of Meeting with the AP1000 Design-centered Working Group to Discuss the Status of Items of Interest. 9 Page(s)	Meeting Agenda Meeting Summary Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
02/16/09	ML090720071	Comment (8) of Otis B. Rawl on Behalf of South Carolina Chamber of Commerce Supporting SCANA/Santee Cooper Combined License Application to Build Two New Proposed Reactors in Fairfield County. 1 Page(s)	General FR Notice Comment Letter	State of SC, Chamber of Commerce	NRC/ADM/DAS/R DEB	05200027 05200028
02/16/09	ML090750701	Comment (7) of Samuel H. Hendrix and Leslie B. Hope on Behalf of Carolinas Associated general Contractors' Association Supporting for the Two New Proposed Nuclear Reactors in Fairfield County for SCANA/Santee Cooper Combined License Application. 1 Page(s)	General FR Notice Comment Letter	Carolinas Associated General Contractors Association	NRC/ADM/DAS/R DEB	05200027 05200028
02/17/09	ML090860436	Comment (17) of Charlene Dwin	General FR Notice	US Advisory Council On	NRC/NRO/DSER	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Vaughn on Behalf of US Advisory Council on Historic Preservation on Review of Virgil C. Summer, Units 2 and 3 Combined License Application. 2 Page(s)	Comment Letter	Historic Preservation		05200028
02/17/09	ML090540524	Virgil C. Summer, Units 2 & 3, Combined License Application - Response to NRC Request for Additional Information Letter No. 014 - Offsite Power System. 18 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/18/09	ML090540397	Comment (5) of Kevin Brown on Behalf of the Pamunkey Indian Reservation Opposed to Building Two More Nuclear Power Plants at the North Anna Site. 2 Page(s)	General FR Notice Comment Letter	Pamunkey Indian Reservation	NRC/ADM/DAS/R DEB	05200027 05200028
02/18/09	ML090840377	2009/02/18 - Comment (15) E-mail regarding VC Summer – EIS Scoping 4 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/RAP2	05200027
02/18/09	ML090540464	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No 015. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/18/09	ML090540465	Virgil C. Summer, Units 2 & 3 - Combined License Application - Response to NRC Request for Additional Information Letter No. 025. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/18/09	ML090540466	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 029 - Circulating Water System. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/18/09	ML090540467	Virgil C. Summer Nuclear Station Units 2 & 3 Combined License Application - Response to NRC Request for Additional Information Letter No. 016. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/20/09	ML090550129	Virgil C. Summer, Units 2 & 3	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application - Response to NRC Request for Additional Information Letter No. 020 Related to SRP Section 3.5.1.6. 6 Page(s)		Gas Co	Control Desk NRC/NRO	05200028
02/22/09	ML090330702	Comment (1) of Timothy N. Hall on Behalf of U. S. Dept. of the Interior, Fish and Wildlife Service re Virgil C. Summer, Units 2 & 3 Combined License Application, Fairfield County, SC, FWS Log No. 42410-2009-SL-0109. 10 Page(s)	General FR Notice Comment Letter	US Dept of Interior, Fish & Wildlife Service	NRC/ADM/DAS/R DEB	05200027 05200028
02/23/09	ML090580147	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 021 Related to SRP Section 02.02.01-02.02.02. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/23/09	ML090580148	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 019 Related to SRP Section 19. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/23/09	ML090580149	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 018 Related to SRP Section 11.03. 15 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/23/09	ML090580151	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 017 Related to SRP Section 11.02. 21 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/23/09	ML090580152	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 023 Related to SRP Section 9.5.2. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/23/09	ML090580153	4 Page(s) Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 024 Related to SRP Section 6.4. 34 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/24/09	ML090480198	Notice to Extend the Environmental Scoping Period, V.C. Summer Nuclear Unit 2 and 3 Combined License Application. 2 Page(s)	Federal Register Notice	NRC/NRO		05200027 05200028
02/24/09	ML090720073	Comment (10) of Rep. Bill Sandifer on Behalf of Himself, Supporting Two New Proposed Reactors at V. C. Summer. 1 Page(s)	General FR Notice Comment Letter	US HR (House of Representatives)	NRC/ADM/DAS/R DEB	05200027 05200028
02/24/09	ML090480193	Request to Extend Scoping Period for the Virgil C. Summer Nuclear Station, Units 2 and 3, Combined License Application - Letter to Mayor Gregory Ginyard. 5 Page(s)	Letter	NRC/NRO/DSEER/RAP2	Town of Jenkinsville, SC	05200027 05200028
02/25/09	ML090840373	2009/02/25 - Comment (12) E-mail regarding VC Summer - EIS Scoping 5 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
02/26/09	ML090720072	Comment (9) of J. Roland Smith Supporting SCANA and Santee Cooper Combined License Application to Build Two New Proposed Nuclear Reactors in Fairfield County. 2 Page(s)	General FR Notice Comment Letter	State of SC, House of Representative	NRC/ADM/DAS/R DEB	05200027 05200028
02/26/09	ML090570616	Press Release-09-037: NRC Extends Comment Period to April 6 on Environmental Issues for Summer New Reactor Application. 1 Page(s)	Press Release	NRC/OPA		05200027 05200028
02/28/09	ML090410326	Transcript of Virgil C. Summer Nuclear Station Environmental Scoping Meeting, Wednesday, January 28, 2009, Pages 1-127. 132 Page(s)	Meeting Transcript	NRC/NRO		05200027 05200028
02/28/09	ML090410393	Transcript of Virgil C. Summer Nuclear	Meeting Transcript	NRC/NRO		05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Station Environmental Scoping Meeting, Tuesday, January 27, 2009, Pages 1-144. 152 Page(s)				05200028
03/03/09	ML090780111	Comment (14) of Paul G. Campbell on Behalf of Self Supporting SCANA/Santee Cooper Combined License Application for the Two New Proposed Nuclear Reactors in Fairfield County. 2 Page(s)	General FR Notice Comment Letter	State of SC, Senate	NRC/ADM/DAS/R DEB	05200027 05200028
03/04/09	ML090750178	Comment (11) of Lewis E. Pinson on Behalf of Self, Supporting Proposed Nuclear Reactors in Fairfield County for SCANA/Santee Cooper Combined License Application. 1 Page(s)	General FR Notice Comment Letter	State of SC, House of Representative	NRC/ADM/DAS/R DEB	05200027 05200028
03/04/09	ML090750179	Comment (12) of Mike Sottile on Behalf of Himself Supporting Building of Two New Nuclear Reactors in Fairfield County. 1 Page(s)	General FR Notice Comment Letter	US HR (House of Representatives)	NRC/ADM/DAS/R DEB	05200027 05200028
03/04/09	ML090780109	Comment (13) of Sterling J. U. Laffitte on Behalf of South Carolina Bankers Association Supporting SCANA/Santee Cooper Combined License Application the Two New Proposed Nuclear Reactors in Fairfield County. 2 Page(s)	General FR Notice Comment Letter	South Carolina Bankers Association	NRC/ADM/DAS/R DEB	05200027 05200028
03/04/09	ML090820082	Comment (15) of Michael Whatley on Behalf of Southeast Energy Alliance Strongly Supporting Combined License Application for the Two New Proposed Nuclear Reactors in Fairfield County, SC. 2 Page(s)	General FR Notice Comment Letter	Southeast Energy Alliance	NRC/ADM/DAS/R DEB	05200027 05200028
03/04/09	ML090840367	2009/03/04 - Comment (10) E-mail regarding VC Summer – EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/ RAP2	05200027
03/04/09	ML090840378	2009/03/04 - Comment (16) E-mail regarding VC Summer – EIS Scoping 4 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/ RAP2	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/04/09	ML090680360	Virgil C. Summer, Units 1 & 2 - Combined License Application - Response to NRC Request for Additional Information Letter No. 027. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/05/09	ML090840379	2009/03/05 - Comment (17) E-mail regarding VC Summer – EIS Scoping 3 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/05/09	ML090840382	2009/03/05 - Comment (18) E-mail regarding VC Summer – EIS Scoping 4 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/06/09	ML090840383	2009/03/06 - Comment (19) E-mail regarding VC Summer – EIS Scoping 6 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/06/09	ML090840384	2009/03/06 - Comment (20) E-mail regarding VC Summer – EIS Scoping 9 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/06/09	ML090840385	2009/03/06 - Comment (21) E-mail regarding VC Summer – EIS Scoping 4 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/06/09	ML090840387	2009/03/06 - Comment (22) E-mail regarding VC Summer – EIS Scoping 4 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/06/09	ML090840390	2009/03/06 - Comment (23) E-mail regarding VC Summer – EIS Scoping 3 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/06/09	ML090610244	V.C. Summer Public Scoping Meeting Summary Memo. 7 Page(s)	Meeting Summary Memoranda	NRC/NRO/DSEER/RAP2	NRC/NRO/DSEER/ RAP2	05200027 05200028
03/06/09	ML090650344	V.C Summer Meeting Attendees - Jan 27 - 28, 2009. 9 Page(s)	Meeting Summary	NRC/NRO/DSEER/RAP2	NRC/NRO/DSEER/ RAP2	05200027 05200028
03/09/09	ML090720069	Comment (5) of Jeff Duncan Supporting Construction of Two New Reactors at the Virgil C. Summer Site in Fairfield County. 3 Page(s)	General FR Notice Comment Letter	State of SC, House of Representative	NRC/ADM/DAS/R DEB	05200027 05200028
03/09/09	ML090840392	2009/03/09 - Comment (24) E-mail regarding VC Summer – EIS Scoping 3 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027
03/11/09	ML090840393	2009/03/11 - Comment (25) E-mail regarding VC Summer – EIS Scoping	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEER/ RAP2	05200027



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/11/09	ML090860670	5 Page(s) Comment (16) of Ruth Thomas on Two New Proposed Reactors at V. C. Summer. 3 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
03/12/09	ML090770889	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 031. 17 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/12/09	ML090820172	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 030 Regarding Vibratory Ground Motion. 26 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/14/09	ML101450247	Controlled SECY Correspondence LTR-09-0611 - Subject: Asking for Intervention As Soon As Possible to Avoid Approval of Wrong Location of the Nuclear Reactor, SC 15 Page(s)	Letter	- No Known Affiliation	NRC/SECY US Executive Office of the President	05200027 05200028
03/16/09	ML090780416	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to Request for Additional Information (RAI) Letter No. 033. 27 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/16/09	ML090780420	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to Request for Additional Information (RAI) Letter No. 032. 25 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/17/09	ML090700410	03/28/09 Second Public Notice of Meeting to Discuss Environmental Review Process for the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application for V.C. Summer Nuclear Station Units 2 and 3. 10 Page(s)	Meeting Notice	NRC/NRO/DSEER/RAP2	NRC/NRO/DSEER/ RAP2	05200027 05200028
03/18/09	ML090770180	Press Release-09-050: NRC Meeting	Press Release	NRC/OPA		05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		in Blair, S.C., March 28 to Discuss Environmental Review of Summer New Reactor Application. 1 Page(s)				05200028
03/26/09	ML090970144	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Voluntary Submittal to Provide Updated Meteorological Information for Final Safety Analysis Report (FSAR) Section 2.3. 172 Page(s)	Final Safety Analysis Report (FSAR) Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/27/09	ML090920228	Virgil C. Summer, Units 2 & 3 Combined License Application (COLA), Supplement 1, Response to Request for Additional Information, Letter No. 032. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/28/09	ML090930771	Presentation for Station 2 of the VC Summer Open House Public Meeting - NRC Environmental Review Process. 6 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO		05200027 05200028
03/31/09	ML090900316	04/09/2009 Meeting Notice, Meeting with AP1000 Design-Centered Working Group. 7 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
03/31/09	ML091050193	Virgil C. Summer, Units 2 and 3 Combined License Application - Seismic Site Visit 3-31-09 to 04-01-09. 58 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
04/01/09	ML091050379	04/01/2009 Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application - Seismic Site	Meeting Briefing Package/Handouts Slides and	Bechtel Corp	NRC/NRO/DNRL/ NWE1	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Response Analysis Presentation. 16 Page(s)	Viewgraphs			
04/02/09	ML091100339	2009/04/02 - Comment (26) E-mail regarding VC Summer – EIS Scoping 13 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/ RAP2	05200027
04/02/09	ML091100482	Comment (24) of Ruth Thomas on the Scope of the Environmental Impact Statement for the VC Summer Nuclear Station (VCSNS) Construction and Operating License (COL) Review (Additional Comments). 11 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
04/02/09	ML090970259	Virgil C. Summer, Units 2 and 3, Changes to Fitness for Duty Program Information, Physical Security During Construction, and Physical Security Inspections, Tests, Analyses, and Acceptance Criteria. 11 Page(s)	Letter License-Fitness for Duty (FFD) Performance Report	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/02/09	ML090970398	Submittal of Proposed Revision 1 of Part 8 of the Combined License Application for V. C. Summer Nuclear Station Units 2 and 3 - Security Plan. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/02/09	ML091050688	Virgil C. Summer, Units 2 and 3 - Submittal of References for the Combined License Application, Environmental Report (ER), Revision 1. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/05/09	ML091100341	2009/04/05 - Comment (27) E-mail regarding VC Summer – EIS Scoping 16 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/ RAP2	05200027
04/06/09	ML091070328	Comment (19) of Betty Ginyard on the Increase Number of Power Lines and its Risks of Radiation Exposure to Health. 3 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS	05200027 05200028
04/15/09	ML091110028	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 033. 58 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/15/09	ML091170698	FEMA Letter - VC Summer ETE RAI Status. 1 Page(s)	Letter	US Dept of Homeland Security US Federal Emergency Mgmt Agency (FEMA)	NRC/NSIR/DPR	05200027 05200028
04/15/09	ML090840208	DHS Consultation Report Review for Public Viewing. 2 Page(s)	Memoranda	NRC/NSIR/DSP/DDRSR/R SB	NRC/NSIR/DSP/R SB	05200012 05200013 05200014 05200015 05200016 05200017 05200018 05200019 05200022 05200023 05200024 05200025 05200026 05200027 05200028 05200039
04/16/09	ML091100407	Comment (23) of Jennifer A. Barnes, Julie Brendell, Deborah Mann, and Robbie Moore on Two Additional Reactors at Virgil C. Summer in Jenkinsville, SC. 3 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
04/23/09	ML091180672	V. C. Summer, Units 2 and 3 - Combined License Application Departure Report Update. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/23/09	ML091200624	V.C. Summer, Units 2 & 3, Combined License Application 2007 Meteorological Data Files. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/28/09	ML091200390	Virgil C. Summer, Units 2 & 3 - Combined License Application - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 009. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/28/09	ML091200391	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) -	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Response to NRC Request for Additional Information (RAI) Letter No. 035. 3 Page(s)			NRC/NRO	
04/28/09	ML091200392	Virgil C. Summer, Units 2 & 3 - Combined License Application - Response to NRC Request for Additional Information (RAI) Letter No. 028. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/29/09	ML091250346	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Supplement 1 to the Response to NRC Request for Additional Information (RAI) Letter No. 031. 21 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/29/09	ML091250347	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Supplement 2 Response to NRC Request for Additional Information (RAI) Letter No. 032. 36 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/29/09	ML091270517	V. C. Summer Nuclear Station, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/29/09	ML091270535	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Supplemental Response No. 1 to NRC Request for Additional Information (RAI) Letter No. 030. 26 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/30/09	ML091240404	Virgil C. Summer Nuclear Station (VCSNS), Units 2 and 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 038. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/30/09	ML091240406	Virgil C. Summer, Units 2 & 3 -	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application - Response to NRC Request for Additional Information Letter No. 037. 3 Page(s)		Gas Co	Control Desk NRC/NRO	05200028
04/30/09	ML091060798	SCE&G 2008f - IRP Transmittal 5-28-08. 43 Page(s)	Operating Plan Report, Miscellaneous	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
04/30/09	ML091060805	McCallum-Turner 2005, Sifting Study. 94 Page(s)	Report, Miscellaneous	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
05/01/09	ML091270890	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 041. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/04/09	ML091280031	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA), Response to NRC Request for Additional Information Letter No. 042. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/04/09	ML091240630	March 28, 2009 - Summer Nuclear Station Attendees List, Virgil C. Summer, Units 2 and 3. 5 Page(s)	Meeting Summary	NRC/NRO/DSESR/RAP3	NRC/NRO/DSESR/ RAP2	05200027 05200028
05/05/09	ML091200557	Inspection of South Carolina Electric & Gas Company Quality Assurance Program Implementation for V. C. Summer Units 2 and 3 Combined License Application. 2 Page(s)	Letter	NRC/NRO/DCIP/CQVP	South Carolina Electric & Gas Co	05200027 05200028
05/05/09	ML091890158	V. C. Summer, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs: ALT-1/NP-1, AQ-1, AQ-15, G-5, G-6, G-8, and NRHH-2. 17 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/05/09	ML091140076	Summary of March 28 Public Meeting for the VC Summer Nuclear Station Units 2 and 3 to Discuss Environmental Review. 3 Page(s)	Memoranda	NRC/NRO/DSESR/RAP2	NRC/NRO/DSESR/ RAP2	05200027 05200028
05/06/09	ML090711045	Geotechnical Data Reports.	Letter	NRC/NRO/DNRL	US Dept of	05200014

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		2 Page(s)			Defense, Defense Threat Reduction Agency	05200015 05200016 05200017 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200034 05200035 05200037 05200039
05/06/09	ML091350202	Virgil C. Summer, Units 2 and 3 - Combined License Application Supplemental Response No. 2 to NRC Request for Additional Information Letter No. 033. 97 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/07/09	ML091310563	V. C. Summer Nuclear Station, Units 2 and 3, Combined License Application - Environmental Report Audit Information Needs: CR-17, 23, 24, 25, 26, GW-7 (Parts 1 and 5), SE-2, 4, 6, 10, SW-3 (Part 1), and T-3. 128 Page(s)	Letter	South Carolina Data Base Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/07/09	ML091340663	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 043. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/07/09	ML091340664	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 044. 14 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/07/09	ML091750754	Corps of Engineers (USACE) Requests for Additional Information (RAI) for V.C.	Letter Request for	US Dept of the Army, Corps of Engineers,	NRC/NRO/DSER/RAP2	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Summer Nuclear Power Station, Units 2 and 3, COLA. 5 Page(s)	Additional Information (RAI)	Charleston District		
05/08/09	ML091350103	Virgil C. Summer, Units 2 and 3, Combined License Application, Response to NRC Request for Additional Information Letter No. 036. 140 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/11/09	ML091350104	V. C. Summer, Units 2 and 3, Combined License Application, Environmental Report Audit Information Needs: ACC-11, ALT-3, AQ-5, AQ-6, GW-11, LU-3, and SW-12. 133 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/11/09	ML101190198	V. C. Summer Nuclear Station Units 2 and 3, Combined License Application - Environmental Report Audit Information Needs: CR-2, 3, 10,13,14, 15, 18, 19, 21, and 22. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/12/09	ML091380157	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information. 13 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/12/09	ML091380164	Virgil C. Summer Units 2 & 3 Combined License Application - Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/13/09	ML091380163	V.C. Summer, Units 2 & 3 Combined License Application Response to Request for Additional Information- Environmental Report Audit: HP-5, SE-7, SW-3 (Part 2). 12 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/13/09	ML091380165	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Response to NRC Request for	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Additional Information (RAI) Letter No. 034. 19 Page(s)				
05/14/09	ML091390052	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 040. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/14/09	ML091390568	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 039 - Management and Technical Support Organization. 10 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/18/09	ML091460171	V. C. Summer, Units 2 and 3, Combined License Application - Environmental Report Audit Information Needs: G-10. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/18/09	ML091480622	V. C. Summer, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs: CR-5 and CR-9. 159 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/20/09	ML091200404	Request to Cooperate with the U.S. Nuclear Regulatory Commission on the Environmental Impact Statement for the V.C. Summer Nuclear Power Station Units 2 and 3. 7 Page(s)	Letter	NRC/NRO/DSEER	US Dept of the Army, Corps of Engineers, Charleston District	05200027 05200028
05/21/09	ML091480009	V.C. Summer, Units 2 and 3, Combined License Application - Environmental Report Audit Information Needs: GW-1, 2, 3, 9, and 10, and SE-5. 12 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/21/09	ML091100248	April 9, 2009 Summary of Category 1 Public Meeting with the AP1000 Design-Centered Working Group to Discuss the Status of Items of Interest. 8 Page(s)	Meeting Agenda Meeting Summary Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041 PROJ0763
05/29/09	ML091540272	V. C. Summer, Units 2 & 3, Combined License Application Meteorological Data Files (2007 Unit 1 Meteorological Data Files and 2008 Units 2 & 3 Meteorological Data Files). 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/01/09	ML091550369	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 047. 8 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/01/09	ML091550479	V. C. Summer, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs: G-3, GW-4, HP-6, HP-10, HP-11, LU-4, and SE-1. 108 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/08/09	ML091620580	V. C. Summer, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs: ACC-5 (Part 2), ALT-2 (Part 1), ALT-2 (Part 3), CR-19, and SW-14. 36 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/08/09	ML091620584	V.C. Summer, Units 2 and 3, Combined License Application - Environmental Report Audit Information Needs: ACC-5, ALT-2, ALT-2, CR-19, SW-14, South Carolina Water Plan, Second Edition. 254 Page(s)	Letter Operating Plan	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/08/09	ML091620583	V.C. Summer, Units 2 and 3, Combined License Application - Environmental	Report, Technical	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/09/09	ML091630212	Report Audit Information Needs: ACC-5, ALT-2, ALT-2, CR-19, SW-14, Open-File Report 01-121, "Surface Water Quality-Assurance Plan for the South Carolina District of the.... 69 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/15/09	ML091690069	V.C. Summer Units 2 & 3, Combined License Application - Environmental Report Audit Information Needs: ACC-5 (Item 1), AQ-9, BC-1, GW-7 (Item 3), and SE-S1. 46 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/15/09	ML091740346	V.C. Summer, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs: BC-3, SE-3, 8, and 9. 15 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/15/09	ML091740349	V.C. Summer, Units 2 and 3, Figure 2.2-3, Existing Transmission System for VCSNS Unit 1. 20 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740350	V.C. Summer, Units 2 and 3, Figure 2.1-1, VCSNS Site and Proposed Plant Footprint. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740351	V.C. Summer, Units 2 and 3, Figure 2.1-2, 50-Mile Vicinity. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740352	V.C. Summer, Units 2 and 3, Figure 2.1-3, 6-Mile Vicinity. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740353	V.C. Summer, Units 2 and 3, Figure 2.2-1, Land Use on the Proposed Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740354	V.C. Summer, Units 2 and 3, Figure 2.2-2, Land Use in the Vicinity of the Proposed Site.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/15/09	ML091740355	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.2-4, Land Uses in Counties Affected by the Proposed New Transmission Lines.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740356	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.2-5, Land Use in the Region of the Proposed Site.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740357	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.3-20, Mapped Wetlands.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740368	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.4-1, Habitats and Areas That Will Be Disturbed During Construction of VCSNS Units 2 and 3.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740369	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.4-2, Areas Surveyed for Endangered and Threatened Species at VCSNS, 2002 - 2007.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740370	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.4-3, Small Mammal Trapping Transects on the VCSNS Site, October 2008.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740371	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.5-1, 10-Mile Surrounding Area.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740372	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.5-2, 50-Mile Surrounding Area.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740373	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.5-3, Road and Highway Transportation System.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740374	1 Page(s) V.C. Summer, Units 2 and 3, Figure 2.5-4, Public Airports and Rail System Within 50 Miles of the Proposed Site.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/15/09	ML091740375	V.C. Summer, Units 2 and 3, Figure 2.5-5, Areas Surveyed for Cultural Resources at VCSNS. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740376	V.C. Summer, Units 2 and 3, Figure 2.5-6, Black Races Block Groups. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740377	V.C. Summer, Units 2 and 3, Figure 2.5-7, American Indian or Alaskan Native Block Groups. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740401	V.C. Summer, Units 2 and 3, Figure 2.5-10, Hispanic Ethnicity Block Groups. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740402	V.C. Summer, Units 2 and 3, Figure 2.5-11, Low Income Block Groups. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740403	V.C. Summer, Units 2 and 3, Figure 2.5-8, Asian Block Groups. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740405	V.C. Summer, Units 2 and 3, Figure 2.5-9, Aggregate Block Groups. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740406	V.C. Summer, Units 2 and 3, Figure 2.8-1, Anthropogenic Radiation Sources. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740407	V.C. Summer, Units 2 and 3, Figure 4.3-1, Habitats and Areas That Will Be Disturbed During Construction of VCSNS Units 2 and 3. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740408	V.C. Summer, Units 2 and 3, Figure 5.3-4, Modeled Areal Extent of Thermal Plume in Parr Reservoir. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740410	V.C. Summer, Units 2 and 3, Figure 5.8-1, Closest Residences in Each of 16 Directions. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740411	V.C. Summer, Units 2 and 3, Figure	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		6.2-1 Existing Radiological Environmental Sample Locations (Remote). 1 Page(s)		Gas Co		05200028
06/15/09	ML091740412	V.C. Summer, Units 2 and 3, Figure 6.2-2, Existing Radiological Environmental Sample Locations (Local). 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740422	V.C. Summer, Units 2 and 3, Figure 9.3-10, Minority Block Groups within 50 Miles of the Saluda Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740423	V.C. Summer, Units 2 and 3, Figure 6.2-3, Proposed New Radiological Sampling Locations. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740424	V.C. Summer, Units 2 and 3, Figure 6.3-1, Observation Wells. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740425	V.C. Summer, Units 2 and 3, Figure 9.3-11, Low-Income Households Block Groups within 50 Miles of the Saluda Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740426	V.C. Summer, Units 2 and 3, Figure 9.3-3, Savannah River Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740427	V.C. Summer, Units 2 and 3, Figure 9.3-4, Minority Population Block Groups within 50 Miles of SRS. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740428	V.C. Summer, Units 2 and 3, Figure 9.3-5, Low-Income Households Block Groups within 50 Miles of SRS. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740429	V.C. Summer, Units 2 and 3, Figure 9.3-6, Cope Generating Station. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740430	V.C. Summer, Units 2 and 3, Figure 9.3-7, Minority Block Groups within 50 Miles of Cope Generating Station.	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/15/09	ML091740431	1 Page(s) V.C. Summer, Units 2 and 3, Figure 9.3-8, Low-Income Households Block Groups within 50 Miles of Cope Generating Station. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/15/09	ML091740432	V.C. Summer, Units 2 and 3, Figure 9.3-9, Saluda Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/22/09	ML091671803	VC Summer RAI 05/08/2009 Edited USACE. 2 Page(s)	Graphics incl Charts and Tables	NRC/NRO/DNRL	South Carolina Electric & Gas Co	05200027 05200028
06/22/09	ML091340596	VC Summer Letter to SCE&G for Requests for Additional Information to Support the COL Environmental Review for Units 2 and 3. 7 Page(s)	Letter	NRC/NRO/DUSER	South Carolina Electric & Gas Co	05200027 05200028
06/22/09	ML091340581	Requests for Additional Information for the Environmental Review of the VC Summer COLA for Units 2 and 3. 27 Page(s)	Request for Additional Information (RAI)	NRC/NRO/DUSER	South Carolina Electric & Gas Co	05200027 05200028
06/24/09	ML091760682	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 048. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/24/09	ML091760683	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 024. 3 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/24/09	ML091760684	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 009. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/24/09	ML091760685	Virgil C. Summer, Units 2 and 3	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application (COLA) - Supplemental Response No. 1 to NRC Request for Additional Information (RAI) Letter No. 023, SRP Section 09.05.02 - Communications Systems. 12 Page(s)	License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
06/24/09	ML091761020	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Additional Response to NRC Request for Additional Information (RAI) Letter No. 044, SRP Section 2.4.13-Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Water. 74 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/25/09	ML091760494	Presentation by David Matthews at the June 4, 2009 Public Meeting with New Plant Working Group. 11 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DNRL		05200012 05200013 05200014 05200015 05200016 05200017 05200018 05200019 05200023 05200024 05200025 05200026 05200027 05200028 05200029 05200030 PROJ0689
07/02/09	ML091880206	V. C. Summer, Units 2 and 3 - Combined License Application - Environmental Report Audit Information Needs: GW-7 Part 4. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/02/09	ML091880208	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 011. 5 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/02/09	ML091880217	Virgil C. Summer, Units 2 and 3 - Loss of Large Areas of the Plant Due to Explosions or Fire - Mitigative Strategies Description and Plans. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/02/09	ML091880251	V. C. Summer, Units 2 and 3 - Environmental Report Audit Information Needs: ACC-13, SW-1, and ALT-2 Part 2 Supplement. 57 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/08/09	ML091940135	Virgil C. Summer, Units 2 & 3, Combined License Application - Response to NRC Request for Additional Information (RAI) Letter No. 045. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/13/09	ML092010266	V. C. Summer, Units 2 and 3 - Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): Alt-3, AqEco-7, CR-3, GW-6, Met-1, SEcon-6, and SW-2. 46 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/13/09	ML092020357	V. C. Summer, Units 2 & 3, Combined License Application - Response to NRC Environmental Report Requests for Additional Information CR-1 & 11, AqEco-5, 6, & 8, TerEco-2 & 3, GW-4, 5, 7, & 8, LU-2, SEcon-1, 5 & 7, and BenCost-2 & 3. 23 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/13/09	ML092020381	V. C. Summer, Units 2 and 3, Figure AQ-8-2, Possible Site Configuration for Cope Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
07/13/09	ML092020383	V. C. Summer, Figure AQ-8-3, Possible Site Configuration for Saluda Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
07/13/09	ML092020385	V. C. Summer, Units 2 and 3, Figure AQ-8-1, Possible Site Configuration for Fa-1 Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/13/09	ML092020386	V. C. Summer, Units 2 and 3, Figure AQ-8-4, Possible Site Configuration for SRS Site. 1 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
07/14/09	ML091980038	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 019. 9 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/15/09	ML091910321	IR 05200027-09-201 and 05200028-09-201, on 06/01-04/2009, Virgil C. Summer Nuclear Station (VCSNS), Units 2 and 3, and Notice of Violation. 28 Page(s)	Inspection Report Letter Notice of Violation	NRC/NRO/DCIP/CQVP	South Carolina Electric & Gas Co	05200027 05200028
07/15/09	ML091760678	Memo to Ryan Whitted - V. C. Summer Scoping Summary Report. 9 Page(s)	Memoranda	NRC/NRO/DSER/RAP2	NRC/NRO/DSER/ RAP2	05200027 05200028
07/20/09	ML092030443	V. C. Summer, Units 2 and 3 - Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): TLine-2 and 3. 17 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/20/09	ML092040113	Virgil C. Summer, Units 2 & 3 Combined License Application, Response to Request for Additional Information (RAI) Letter No. 050. 10 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/20/09	ML092040428	V. C. Summer, Units 2 and 3, Combined License Application - Response to NRC Requests for Additional Information on Environmental Report - AqEco-2, 3, 4, and 9. 16 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/20/09	ML092050343	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Response to Request for Additional Information Letter No. 051. 5 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/20/09	ML092300397	V. C. Summer, Units 2 and 3,	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): Gen-2 Part 2 and Gen-3. 84 Page(s)		Gas Co	Control Desk NRC/NRO	05200028
07/20/09	ML100660021	NND-09-0203: Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): GW-1, 2, 3, and 9, HP-1 and 2, Met-2, TerEco-1, and SEcon-3. 61 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/21/09	ML092040586	V. C. Summer, Units 2 and 3 Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI) - Completion Schedule. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/21/09	ML092040676	V. C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): CR-4, 5, 7, 8, 9 and 10, and TLine-1. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/23/09	ML092080086	Virgil C. Summer, Units 2 & 3 Combined License Application - Response to NRC Request for Additional Information (RAI) Letter No. 052 - Site Proximity Missiles. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/23/09	ML092110479	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) Response to NRC Request for Additional Information (RAI) Letter No. 053 Re: SRP Section 02.05.04 - Stability of Subsurface Materials and Foundations. 4 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/24/09	ML100200796	South Carolina Airports Map. 3 Page(s)	- No Document Type Applies	- No Known Affiliation	NRC/NRO	05200027 05200028
07/24/09	ML100200792	Georgia Major Cities and Places -	Report,	- No Known Affiliation	NRC/NRO	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Statistics and Maps on City Population. 3 Page(s)	Miscellaneous			05200028
07/30/09	ML092170425	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - Part 2, Final Safety Analysis Report (FSAR) Master Table of Contents 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170426	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 19 - Probabilistic Risk Assessment - Sections 19.01 - 19.59, Appendices 19A - 19F 74 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170427	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 18 - Human Factors Engineering - Sections 18.01 - 18.14 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170428	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 17 - Quality Assurance - Sections 17.01 - 17.08 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170429	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 16 - Technical Specifications - Sections 16.01 - 16.03 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170430	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 15 - Accident Analyses - Sections 15.00 - 15.08, Appendices 15A, 15B 12 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170431	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 14 - Initial Test Program - Sections 14.01 - 14.04 37 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/30/09	ML092170432	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 13 - Conduct of Operations - Sections 13.01 - 13.07, Appendix 13AA 64 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170433	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 12 - Radiation Protection - Sections 12.01 - 12.05, Appendix 12AA 23 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170434	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 11 - Radioactive Waste Management - Sections 11.01 - 11.05 37 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170435	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 10 - Steam and Power Conversion - Sections 10.01 - 10.04 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170436	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 09 - Auxiliary Systems - Sections 09.01 - 09.05, Appendix 9A 54 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170437	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 08 - Electric Power - Sections 08.01 - 08.03 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170439	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 07 - Instrumentation and Controls - Sections 07.01 - 07.07 11 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170440	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 07 - Instrumentation and Controls - Sections 07.01 - 07.07 11 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 06 - Engineered Safety Features - Sections 06.00 - 06.06, Appendix 6A 20 Page(s)	Report (FSAR) License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
07/30/09	ML092170441	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 05 - Reactor Coolant System and Connected Systems - Sections 05.01 - 05.04 16 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170442	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 04 - Reactor - Sections 04.01 - 04.06 7 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170443	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 03 - Design of Structures, Components, Equipment and Systems - Sections 03.01 - 03.11, Appendices 3A - 3I 43 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170444	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.0 - Site Characteristics 12 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170445	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.1 - Geography and Demography 34 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170446	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.2 - Nearby Industrial, Transportation, and Military Facilities 41 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/30/09	ML092170447	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 169 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170448	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering 113 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170449	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-201 through 2.4-220 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170450	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-221 through 2.4-240 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170451	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-241 through 2.4-255 15 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170452	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.0 - Geology, Seismology, and Geotechnical Engineering 5 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170453	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report),	Final Safety Analysis Report (FSAR)	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/30/09	ML092170454	Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information 85 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-201 through 2.5.1-213 16 Page(s)	License-Application for Combined License (COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/NRO NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170455	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-214 through 2.5.1-222 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170456	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-223 through 2.5.2-232 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170457	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.2 - Vibratory Ground Motion 134 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170458	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170459	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.4 - Stability of Subsurface Materials and	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Foundations 155 Page(s)				
07/30/09	ML092170460	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.5 - Combined License Information for Stability of Slopes 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170461	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 02 - Site Characteristics - Section 2.5.6 - Combined License Information for Embankments and Dams 2 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170462	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 1 - FSAR Chapter 01 - Introduction and General Description of the Plant - Sections 01.00 - 01.10, Appendices 1A, 1AA, 1B 140 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170483	V. C. Summer Nuclear Station Units 2 & 3 COLA (Generic DCD Departures Report), Rev. 1 - Part 7, Departures and Exemptions 13 Page(s)	Generic DCD Departures Report License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170487	V. C. Summer Nuclear Station Units 2 & 3 COLA (ITAAC), Rev. 1 - Part 10, Proposed License Conditions and ITAAC 31 Page(s)	Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092150358	V.C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI); CR-2 and 6, LU-1, and AqEco-1. 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092160217	Virgil C. Summer, Units 2 & 3	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application (COLA), Response to Request for Additional Information (RAI) Letter No.059. 3 Page(s)		Gas Co	Control Desk NRC/NRR	05200028
07/30/09	ML092160218	V. C. Summer, Units 2 & 3 Combined License Application, Response to Requests for Additional Information on Environmental Report: USACE-1. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO US Dept of the Army, Corps of Engineers	05200027 05200028
07/30/09	ML092170504	V.C. Summer, Units 2 & 3, Submittal of Revision 1 of the Combined License Application. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092180280	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 049. 54 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092230139	Virgil C. Summer, Units 2 and 3, Combined License Application - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 050 - Local Meteorology. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170423	V. C. Summer Nuclear Station Units 2 & 3 COLA (General and Admin Information), Rev. 1 - Part 1, General and Administrative Information 14 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170464	V. C. Summer Nuclear Station Units 2 & 3 COLA (Technical Specifications), Rev. 1 - Part 4, Technical Specifications for V.C. Summer Nuclear Station Units 2 and 3 819 Page(s)	License-Application for Combined License (COLA) Technical Specifications	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/30/09	ML092170489	V. C. Summer Nuclear Station Units 2 & 3 COLA (Quality Assurance Program), Rev. 1 - Part 13, Quality Assurance Program Description 54 Page(s)	License-Application for Combined License (COLA) Quality Assurance Program	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/31/09	ML092170466	V. C. Summer Nuclear Station Units 2 & 3	Emergency	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Emergency Plan), Rev. 1 - Part 5, Emergency Plan for V.C. Summer Nuclear Station 262 Page(s)	Preparedness-Emergency Plan License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
07/31/09	ML092170481	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 1 - Part 5, V.C. Summer Nuclear Station Development of Evacuation Time Estimates (ETE) 342 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/04/09	ML092190235	Virgil C. Summer, Units 2 and 3 - Cyber Security Plan and Proposed Implementation Schedule. 16 Page(s)	Letter License-Application for Combined License (COLA) Security Plan	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/05/09	ML092250313	Supplement to Santee Cooper Transmission Line Siting Study Discussion of Alternative Sites. 25 Page(s)	Report, Miscellaneous	MACTEC Engineering & Consulting, Inc	NRC/NRO Santee Cooper	05200027 05200028
08/06/09	ML092220513	Virgil C. Summer, Units 2 & 3, Reply to Notice of Violation. 5 Page(s)	Letter Licensee Response to Notice of Violation	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/06/09	ML092230165	V. C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): USACE- 2, 3, 4, and 5. 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO US Dept of the Army, Corps of Engineers, Charleston District	05200027 05200028
08/06/09	ML092230168	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No 057 - Potable and Sanitary Water Systems. 5 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/07/09	ML092230163	Virgil C. Summer, Units 2 & 3 Combined License Application, Supplemental Response to Request for Additional Information Letter No. 024. 4 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/07/09	ML092230166	Virgil C. Summer, Units 2 and 3, Combined License Application, Response to NRC Request for Additional Information (RAI) Letter No. 056. 20 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/07/09	ML092230167	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 058 - Basic Geologic and Seismic Information. 18 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/07/09	ML092230227	V. C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): AqEco-3 Supplemental Aquatic Resources Reports. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/07/09	ML092230779	V. C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): BenCost-1 and SEcon-4. 13 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/17/09	ML092310682	V.C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report Requests for Additional Information: Met-3. 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/09	ML092430242	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Supplemental Response to NRC Request for Additional Information (RAI) to Provide HEC-RAS Data Files. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/27/09	ML093510748	North Carolina Office of State Budget and Management Projected Annual County Population Totals 2020-2029.	Database File	State of NC	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/27/09	ML100290499	3 Page(s) U.S. Census Bureau American Fact Finder. 5 Page(s)	FACT Sheet	- No Known Affiliation	NRC/NRO	05200027 05200028
08/27/09	ML100290506	U.S. Census Bureau North Carolina Population of Counties by Decennial Census: 1900 to 1990. 5 Page(s)	Graphics incl Charts and Tables	US Dept of Commerce, Bureau of Census	NRC/NRO/DSEER/RAP2	05200027 05200028
08/27/09	ML092450073	Transmittal of Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA), Submittal of Roadmap of Changes for Revision 1 of the COLA. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/27/09	ML093510701	North Carolina Office of State Budget and Management Population Projections Description. 3 Page(s)	Report, Miscellaneous	State of NC, Office of State Budget & Management	NRC/NRO	05200027 05200028
08/27/09	ML093510742	North Carolina Office of State Budget and Management Annual County Population Totals 2000-2009 Data Output. 3 Page(s)	Report, Miscellaneous	- No Known Affiliation	NRC/NRO	05200027 05200028
08/27/09	ML093510747	North Carolina Office of State Budget and Management Projected Annual County Population Total 2010-2019. 3 Page(s)	Report, Miscellaneous	State of NC, Office of State Budget & Management	NRC/NRO	05200027 05200028
08/27/09	ML092450074	Roadmap for V. C. Summer Nuclear Station, Units 2 and 3, COL Application - Revision 1, Part 1 - General and Administrative Information. 40 Page(s)	Routine Status Report (Recurring Weekly/Monthly)	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
08/27/09	ML092450075	Roadmap for V.C. Summer Nuclear Stations, Units 2 and 3, COL Application - Revision 1, Part 2 - Final Safety Analysis Report. 47 Page(s)	Routine Status Report (Recurring Weekly/Monthly)	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
08/31/09	ML092450705	Virgil C. Summer, Units 2 & 3 Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 060.	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
09/03/09	ML093270025	26 Page(s) 09/03/09, Slides, Meeting Summary, DCWG Re: Implementation of DC/COL- ISG-08 "Necessary Content of Plant-Specific Technical Specifications." 9 Page(s)	Meeting Summary Slides and Viewgraphs	NRC/NRO/DNRL/NWE1		05200006 05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200030 05200040 05200041 PROJ0763
09/04/09	ML092530688	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 055. 9 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/09/09	ML092520181	South Carolina Electric & Gas Company (SCE&G) Virgil C. Summer Units 2 & 3 Combined License Application's Response U.S. Nuclear Regulatory Commission Inspection Reports 05200027-09-201 & 05200028-09-201, Notice of Violation. 2 Page(s)	Letter	NRC/NRO/DC/IP/CQVP	South Carolina Electric & Gas Co	05200027 05200028
09/09/09	ML092570277	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Submittal of Part 13 Reviewer Aid for Revision 1 of the COLA. 2 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/09/09	ML092570278	Enclosure to NND-09-0265, V.C. Summer, Units 2 and 3, COL Application COLA Revision 1 - Part 13 Reviewer Aid. 64 Page(s)	Quality Assurance Program	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
09/10/09	ML100211111	Nature Serve Explorer Comprehensive Report Species - Lysimachia	Database File	NatureServe	NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Asperulifolia. 46 Page(s)				
09/10/09	ML092580077	Virgil C. Summer Nuclear Station, Units 2 and 3 Combined License Application - Response to NRC Request for Additional Information Letter No. 054. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/11/09	ML092590606	Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application (COLA), Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 060. 13 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/16/09	ML092640641	Virgil C. Summer Nuclear Station, Units 2 & 3, Response to NRC Request for Additional Information (RAI) Letter No. 061. 8 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/21/09	ML100050329	South Carolina Budget and Control Board - South Carolina Statistical Abstract TANF, Food Stamp, and Medicare Rankings. 3 Page(s)	Database File	State of SC, Budget & Control Board	NRC/NRO	05200027 05200028
09/21/09	ML100210517	South Carolina Budget and Control Board Statistical Abstract State Parks Visitation 2006-2007. 4 Page(s)	Database File	State of SC, Budget & Control Board	NRC/NRO	05200027 05200028
09/21/09	ML100050319	South Carolina Budget and Control Board - South Carolina Statistical Abstract Birth and Death Rate Rankings. 3 Page(s)	Graphics incl Charts and Tables Report, Miscellaneous	State of SC, Budget & Control Board	NRC/NRO	05200027 05200028
09/22/09	ML100050238	Fairfield County South Carolina Statistics Profile. 1 Page(s)	- No Document Type Applies	Fairfield County, SC	NRC/NRO	05200027 05200028
09/22/09	ML092680021	Virgil C. Summer, Units 2 and 3, 10 CFR 50.46 Annual Report, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors." 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/23/09	ML093490969	South Carolina Department of	Report,	State of SC, Dept of	NRC/NRO	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Education Rate Data Report. 1 Page(s)	Miscellaneous	Education		05200028
09/23/09	ML093500654	Federal Bureau of Investigation - South Carolina Law Enforcement 2006. 12 Page(s)	Report, Miscellaneous	US Dept of Justice, Federal Bureau of Investigation (FBI)	NRC/NRO	05200027 05200028
09/24/09	ML100210907	Herpetological Research at the Savannah River Ecology Laboratory. 1 Page(s)	Database File	Univ of Georgia	NRC/NRO	05200027 05200028
09/24/09	ML092720722	Virgil C. Summer, Units 2 and 3 - Submittal of Project Timeline in Support of NRC Headquarters & Region II Regarding the Construction Inspection. 18 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/25/09	ML093230691	EPA Nonattainment Status for Each County by Year 30 Page(s)				05200027 05200028
09/28/09	ML092740384	Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 062. 20 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/29/09	ML092730324	Task Order No. 081 Under Delivery Order No. NRC-42-07-036. 9 Page(s)	ACQ-Contract Task Order	NRC/ADM/DC	Information Systems Labs, Inc ISL, Inc	05200027 05200028
09/30/09	ML092750408	V. C. Summer, Units 2 & 3 Combined License Application, Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): AqEco-2 Final Report. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/30/09	ML092780045	Virgil C. Summer, Units 2 & 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 065. 23 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/07/09	ML100710307	SHPO Response to SCE&G Submittal of Archaeological Survey for Proposed Road Improvements Associated with COL Application for Units 2 and 3. 1 Page(s)	Letter	State of SC, State Historic Preservation Office	NRC/NRO South Carolina Electric & Gas Co	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
10/08/09	ML092860135	V. C. Summer, Units 2 and 3, Combined License Application, Response to NRC Request for Additional Information (RAI): BenCost-1 and GW-2 Supplemental Response. 11 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/08/09	ML092860136	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 064. 11 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/08/09	ML092860140	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Response to Request for Additional Information Letter No. 063 Related to SRP Sections 2.4.2 and 2.4.13. 108 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/16/09	ML092930124	Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA) - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 061. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/19/09	ML092940341	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 067, Related To SRP Section 13.6. 24 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/20/09	ML093080369	V.C. Summer Nuclear Plant Archaeological Site. 1 Page(s)	Letter	State of SC, Dept of Archives and History State of SC, State Historic Preservation Office	NRC/NRO/DSER/RAP1	05200027 05200028
10/21/09	ML092950224	Letter to Alfred M Paglia - Request for Additional Information Letter No. 070 Related to SRP Section 19.0 for the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application (Letter). 3 Page(s)	Letter Request for Additional Information (RAI)	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
10/21/09	ML092960452	Virgil C. Summer, Units 2 and 3	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application (COLA), Submittal of Reference for Request for Additional Information 03.05.04.01-2. 2 Page(s)		Gas Co	Control Desk NRC/NRO	05200028
10/21/09	ML092990304	Request For Additional Information Letter No. 069 Related To SRP Section 19.0 For The Virgil C. Summer Nuclear Station Units 2 And 3 Combined License Application (Letter) 3 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
10/22/09	ML100660022	Archaeological Survey of Approximately 7.7 Acres in the Vicinity of the Proposed Water Treatment Plant - V. C. Summer Nuclear Station. 4 Page(s)	Drawing Letter	South Carolina Electric & Gas Co	NRC/NRO State of SC, Dept of Archives and History	05200027 05200028
10/23/09	ML102160577	Virgil C. Summer, Units 2 and 3, Transmission Line Siting Study Santee Cooper - Revision #1. 50 Page(s)	Report, Technical	MACTEC Engineering & Consulting, Inc	NRC/NRO Santee Cooper	05200027 05200028
10/28/09	ML103140719	Virgil C. Summer, Units 2 & 3, Calculation 25242-ENV-006, Rev. 2, "ALOHA at Analysis for On-Site Chemicals Stored at Unit 1." 40 Page(s)	Calculation	Bechtel Corp	NRC/NRO	05200027 05200028
11/12/09	ML093200211	Virgil C. Summer, Units 2 & 3 - Combined License Application - Supplemental Response to NRC Request for Additional Information Letter No. 055 re Introduction & Interfaces. 10 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/13/09	ML093220098	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 068 Related to Gaseous Waste Management System. 17 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/19/09	ML093240261	Letter to NRC From South Carolina Electric and Gas Company (SC&G) Dated September 24, 2009. 3 Page(s)	Letter	NRC/RGN-II/DPC/CPB2	South Carolina Electric & Gas Co	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
11/20/09	ML093290049	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) Response to NRC Request for Additional Information (RAI) Letters No. 069 and 070 Related to SRP 19 - Loss of Large Areas. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/20/09	ML093310245	V.C. Summer, Units 2 and 3, Combined License Application - Supplemental Response to NRC Environmental Report (ER) Information Needs NP-1, AQ-11 and AQ-13. 66 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/01/09	ML0933370149	Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA), SGI Response to NRC Request for Additional Information (RAI) Letter No. 067 Related To SRP Section 13.6. 2 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO/DNRL	05200027 05200028
12/01/09	ML0933370159	Virgil C. Summer, Units 2 & 3 - Combined License Application - Revised Response to NRC Request for Additional Information Letter No. 067 re SRP Section 13.6. 17 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/01/09	ML0933370161	Virgil C. Summer, Units 2 & 3 - Combined License Application - Supplemental Response to NRC Request for Additional Information Letter No. 049 re Onsite Meteorological Measurements Programs. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/01/09	ML093380648	Virgil C. Summer, Units 2 & 3 - Combined License Application - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 012. 5 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/01/09	ML093420121	V. C. Summer Nuclear Station, Units 2 and 3 - Combined License Application - Response to NRC Environmental	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/02/09	ML093380302	Report (ER) Requests for Additional Information (RAI): Met-3 Revision 1. 8 Page(s) V. C. Summer Nuclear Station, Units 2 and 3 - Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): GW-3 Revision 1. 15 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/02/09	ML093380644	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 071 Related to Probabilistic Risk Assessment and Severe Accident Evaluation. 19 Page(s)	Letter License-Application for Combined License (COLA)	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/02/09	ML093380711	Virgil C. Summer, Units 2 & 3 - Combined License Application - Response to NRC Request for Additional Information (RAI) Letter No. 070 Related to SRP 19 - Loss of Large Areas. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/02/09	ML093380626	2009/12/02 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 074 RELATED TO SRP SECTION 13.3 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION 7 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
12/03/09	ML100200549	U. S. Environmental Protection Agency Water Discharge Permit - NCW&SA/Cannons Creek WWTP. 59 Page(s)	- No Document Type Applies	- No Known Affiliation	NRC/NRO	05200027 05200028
12/03/09	ML100200476	U. S. Environmental Protection Agency Facility Registry System Cone Mills Carlisle Finishing Company. 2 Page(s)	Database File	US Environmental Protection Agency (EPA)	NRC/NRO	05200027 05200028
12/03/09	ML093410516	V. C. Summer, Units 2 & 3 - Combined	Letter	South Carolina Electric &	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		License - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI); Supplemental Data for Gen-3 and Info Need G-5; Cover Letter. 2 Page(s)		Gas Co	Control Desk NRC/NRO	05200028
12/03/09	ML100200496	U. S. Environmental Protection Agency Facility Registry System NCW&SA/Broad RV. WWTF Phase 1A. 1 Page(s)	Report, Miscellaneous	US Environmental Protection Agency (EPA)	NRC/NRO	05200027 05200028
12/04/09	ML093441578	COL Section 13.3 SER Boilerplate. 115 Page(s)	- No Document Type Applies	NRC/NSIR		05200027 05200028
12/04/09	ML093441617	VC Summer EP Review of Supplemental RAIs. 4 Page(s)	- No Document Type Applies	NRC/NSIR		05200027 05200028
12/04/09	ML100040206	South Carolina Statistical Abstract - Selected Active, Non-Federal South Carolina Health Professionals by Primary County of Practice/Employment. 2 Page(s)	Database File	State of SC, Budget & Control Board	NRC/NRO	05200027 05200028
12/04/09	ML100210503	Congaree National Park. 3 Page(s)	Database File	US Dept of Interior, National Park Service	NRC/NRO	05200027 05200028
12/08/09	ML100210542	South Carolina Law Enforcement Division Crime Report. 5 Page(s)	Report, Miscellaneous	State of SC; Law Enforcement Div	NRC/NRO	05200027 05200028
12/15/09	ML100050099	United States Department of Agriculture - National Agricultural Statistical Service for South Carolina. 1 Page(s)	Database File	US Dept of Agriculture, National Agricultural Statistics Service	NRC/NRO	05200027 05200028
12/15/09	ML100050236	State of South Carolina Department of Revenue - South Carolina Counties by Zip Code Important Information About Changes to Myrtle Beach Municipal Tax Rate. 8 Page(s)	Report, Miscellaneous	State of SC, Dept of Revenue	NRC/NRO	05200027 05200028
12/28/09	ML093650260	Virgil C. Summer, Units 2 and 3, Combined License Application - Supplemental Response to NRC Environmental Report Request for Information USACE-3.	Letter	South Carolina Electric & Gas Co	NRC/NRO US Dept of the Army, Corps of Engineers, Charleston District	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/29/09	ML103140720	4 Page(s) Virgil C. Summer, Units 2 & 3, Calculation 25242-ENV-011, Rev. 1, "ALOHA at Railroad Calculation." 139 Page(s)	Calculation	Bechtel Corp	NRC/NRO	05200027 05200028
12/30/09	ML093640694	12/30/09 Acknowledgement Ltr to C. Scott re South Carolina Electric and Gas Combined License Application. 1 Page(s)	Letter	NRC/SECY	State of SC, Office of Regulatory Staff	05200027 05200028
01/04/10	ML100280854	U.S. Department of Energy - Energy Efficiency & Renewable Energy/U.S. Geothermal Resource Map. 1 Page(s)	Database File	US Dept of Energy (DOE)	NRC/NRO	05200027 05200028
01/04/10	ML100290354	U. S. Department of Energy Wind & Hydropower Technologies Program - Wind Powering America South Carolina Wind Resource Map. 1 Page(s)	Database File	US Dept of Energy (DOE)	NRC/NRO	05200027 05200028
01/04/10	ML100260814	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Response to NRC Verbal Request for Information Related to Section 2.4.13 of the VCSNS Final Safety Analysis Report (FSAR). 7 Page(s)	Drawing Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/04/10	ML100260826	Virgil C. Summer, Units 2 and 3, Figure A3-4, Basin 4. 1 Page(s)	Drawing	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
01/04/10	ML100260827	Virgil C. Summer, Units 2 and 3, Figure A3-1, Basin 1. 1 Page(s)	Drawing	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
01/04/10	ML100260829	Virgil C. Summer, Units 2 and 3, Figure A3-2, Basin 2. 1 Page(s)	Drawing	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
01/04/10	ML100260830	Virgil C. Summer, Units 2 and 3, Figure A3-3, Basin 3. 1 Page(s)	Drawing	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
01/06/10	ML100110071	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - Voluntary Submittal to Provide Updated Final Safety Analysis Report (FSAR) Section 11.2.	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/06/10	ML100110072	15 Page(s) Virgil C. Summer, Units 2 and 3 - Combined License Application, Response to NRC Request for Additional Information (RAI) Letter No. 072 Related to Radiation Protection Design Features. 12 Page(s)	Letter License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/07/10	ML100070449	M100107 - Affirmation Session: I. - SECY-09-0117 (Summer); II. 09-0135 (Levy County); III. 09-0139 (Fermi); IV. 09-0141 (GE-Hitachi); V. 09-0142 (Vogtle); VI. 09-0145 (Bellefonte); VII. 09-0158 (Bell Bend); VIII. 09-0171 (Shieldalloy). 8 Page(s)	Commission Meeting Transcript/Exhibit	NRC/OCM		05000438 05000439 05200025 05200026 05200027 05200028 05200029 05200030 05200033 05200039 07001113
01/07/10	ML100070349	SRM-M100107 - Affirmation Session: I. - SECY-09-0117 (Summer); II. 09-0135 (Levy County); III. 09-0139 (Fermi); IV. 09-0141 (GE-Hitachi); V. 09-0142 (Vogtle); VI. 09-0145 (Bellefonte); VII. 09-0158 (Bell Bend); VIII. 09-0171 (Shieldalloy). 3 Page(s)	Commission Staff Requirements Memo (SRM)	NRC/SECY	NRC/OCAA NRC/OGC	04007102 05200011 05200014 05200015 05200025 05200026 05200027 05200028 05200029 05200030 05200039 07007016 07200072
01/07/10	ML100120290	Virgil C. Summer, Units 2 & 3 Combined License Application - Response to Request for Additional Information (RAI) Letter No. 074 Related to Emergency Planning. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/11/10	ML092880776	09/03/2009 Summary of Category II Public Meeting with AP1000 Design-Centered Working Group to Discuss The Implementation of DC/COL-ISG-8, 3 Page(s)	Meeting Agenda Meeting Summary Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		"Necessary Content of Plant-Specific Technical Specifications. 9 Page(s)				05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
01/11/10	ML093580143	Trip Report - December 11, 2009 - Physical Security Site Visit In Support of the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application.	Memoranda Trip Report	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
01/19/10	ML100321529	4 Page(s) V. C. Summer Nuclear Station, Units 2 & 3 - Combined License Application - Response to NRC Environmental Report Requests for Additional Information (RAI): Santee Cooper 2009 Integrated Resource Plan.	Letter Report, Miscellaneous	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/19/10	ML100700542	V.C. Summer, Units 2 & 3 Combined License Application, Response to Requests for Additional Information on Environmental Report: USACE-2 Revision 1. 9 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO US Dept of the Army, Corps of Engineers	05200027 05200028
01/20/10	ML100250431	Virgil C. Summer, Units 2 and 3 - Combined License Application Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information. 5 Page(s)	Graphics incl Charts and Tables Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200014 05200015 05200027 05200028
01/20/10	ML100250429	Virgil C. Summer, Units 2 and 3 Combined License Application, Endorsement of Vogtle R-COLA Standard Content Request for Safety Evaluation Report Open Items.	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/21/10	ML100260126	4 Page(s) Virgil C. Summer, Units 2 & 3 Combined License Application, Response to Request for Additional Information Letter No. 075, Related to Evaluation of Potential Accidents. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360602	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 2 - Part 5, Emergency Plan for V.C. Summer Nuclear Station 265 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360626	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 2 - Part 5, V.C. Summer Nuclear Station Development of Evacuation Time Estimates (ETE) 342 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360541	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - Part 2, Final Safety Analysis Report (FSAR) Master Table of Contents 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360543	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 19 - Probabilistic Risk Assessment - Sections 19.01 - 19.59, Appendices 19A - 19F 74 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360544	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 18 - Human Factors Engineering - Sections 18.01 - 18.14 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360545	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 17 - Quality Assurance - Sections 17.01 - 17.08	Final Safety Analysis Report (FSAR) License-Application for Combined License	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/28/10	ML100360546	10 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 16 - Technical Specifications - Sections 16.01 - 16.03 4 Page(s)	(COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360547	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 15 - Accident Analyses - Sections 15.00 - 15.08, Appendices 15A, 15B 12 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360549	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 14 - Initial Test Program - Sections 14.01 - 14.04 36 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360551	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 13 - Conduct of Operations - Sections 13.01 - 13.07, Appendix 13AA 66 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360552	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 12 - Radiation Protection - Sections 12.01 - 12.05, Appendix 12AA 26 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360555	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 11 - Radioactive Waste Management - Sections 11.01 - 11.05 37 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360556	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 10 - Steam and Power Conversion - Sections 10.01 - 10.04 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360557	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 10 - Steam and Power Conversion - Sections 10.01 - 10.04 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 09 - Auxiliary Systems - Sections 09.01 - 09.05, Appendix 9A 55 Page(s)	Report (FSAR) License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
01/28/10	ML100360558	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 08 - Electric Power - Sections 08.01 - 08.03 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360559	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 07 - Instrumentation and Controls - Sections 07.01 - 07.07 11 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360560	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 06 - Engineered Safety Features - Sections 06.00 - 06.06, Appendix 6A 21 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360562	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 05 - Reactor Coolant System and Connected Systems - Sections 05.01 - 05.04 16 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360563	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 04 - Reactor - Sections 04.01 - 04.06 7 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360564	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 03 - Design of Structures, Components, Equipment and Systems - Sections 03.01 - 03.11, Appendices 3A - 3I 45 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360565	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report),	Final Safety Analysis Report (FSAR)	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/28/10	ML100360566	Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.0 - Site Characteristics 12 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.1 - Geography and Demography 34 Page(s)	License-Application for Combined License (COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/NRO NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360568	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.2 - Nearby Industrial, Transportation, and Military Facilities 42 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360570	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 161 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360572	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering 130 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360573	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-201 through 2.4-220 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360574	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-221 through 2.4-240 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/28/10	ML100360576	20 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4.241 through 2.4-260 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360578	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.0 - Geology, Seismology, and Geotechnical Engineering 5 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360579	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information 88 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360581	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-201 through 2.5.1-213 16 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360584	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-214 through 2.5.1-222 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360587	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-223 through 2.5.2-232 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
01/28/10	ML100360588	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.2 - Vibratory Ground Motion 134 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360589	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 18 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360591	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.4 - Stability of Subsurface Materials and Foundations 155 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360593	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.5 - Combined License Information for Stability of Slopes 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360594	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 02 - Site Characteristics - Section 2.5.6 - Combined License Information for Embankments and Dams 2 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360595	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 2 - FSAR Chapter 01 - Introduction and General Description of the Plant - Sections 01.00 - 01.10, Appendices 1A, 1AA, 1B 149 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360629	V. C. Summer Nuclear Station Units 2 & 3 COLA (Generic DCD Departures	Generic DCD Departures Report	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Report, Rev. 2 - Part 7, Departures and Exemptions 18 Page(s)	License-Application for Combined License (COLA)		NRC/NRO	
01/28/10	ML100360636	V. C. Summer Nuclear Station Units 2 & 3 COLA (ITAAC), Rev. 2 - Part 10, Proposed License Conditions and ITAAC 33 Page(s)	Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100320289	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Submittal of Roadmap of Changes for the January 28, 2010. 51 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100350739	Virgil C. Summer Nuclear Station, Units 2 & 3 Submittal of the Combined License Application, Including Revision 2 of the Final Safety Analysis Report (FSAR) - Cover Letter. 5 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360538	V. C. Summer Nuclear Station Units 2 & 3 COLA (General and Admin Information), Rev. 2 - Part 1, General and Administrative Information 13 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360599	V. C. Summer Nuclear Station Units 2 & 3 COLA (Technical Specifications), Rev. 2 - Part 4, Technical Specifications for V.C. Summer Nuclear Station Units 2 and 3 819 Page(s)	License-Application for Combined License (COLA) Technical Specifications	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/28/10	ML100360639	V. C. Summer Nuclear Station Units 2 & 3 COLA (Quality Assurance Program), Rev. 2 - Part 14, Mitigative Strategies Description and Plans 4 Page(s)	License-Application for Combined License (COLA) Quality Assurance Program	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/02/10	ML100331088	South Carolina Electric & Gas Nuclear Power Plant Site Selection Study. 21 Page(s)	Graphics incl Charts and Tables Slides and Viewgraphs	McCallum-Turner, Inc SCANA Corp South Carolina Electric & Gas Co	NRC/NRO	05200009 05200014 05200015 05200024 05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
						05200028 05200034 05200035 05200037
02/15/10	ML100500952	Virgil C. Summer, Units 1, 2 and 3 - Personnel Changes. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRR	05000395 05200027 05200028
02/19/10	ML100500613	2010/02/19 Summer RAI for SER - REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 077 RELATED TO SRP SECTION 13.6 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATIONS 12 Page(s)	Request for Additional Information (RAI)	NRC/NRO	NRC/NRO/DNRL/ NWE1	05200027 05200028
02/23/10	ML100541130	VCSNS Units 2 and 3 COLA ER Schedule. 6 Page(s)	Letter	NRC/NRO/DSESR/RAP2	South Carolina Electric & Gas Co	05200027 05200028
02/25/10	ML100600365	Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application (COLA) Response to NRC Verbal Request for Information Related to Chapter 17 of the VCSNS Final Safety Analysis Report (FSAR). 20 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/03/10	ML100630822	Virgil C. Summer, Units 2 and 3 Combined License Application, Supplemental Response to Request for Additional Information Letter No. 074 Related to Emergency Planning. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/08/10	ML100660003	Summary of Conference Calls Concerning Section 106 Consultation and the NRC's Environmental Review of the VC Summer Units 2 and 3 COL Application. 3 Page(s)	Note to File incl Telcon Record, Verbal Comm	NRC/NRO/DSESR/RAP1		05200027 05200028
03/15/10	ML100770085	Virgil C. Summer, Units 2 & 3, Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 076 Related to SRP Section 13.6,	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/17/10	ML100780392	Fitness for Duty. 12 Page(s) Virgil C. Summer, Units 2 and 3 Combined License Application, Supplemental Response No. 2 to NRC Request for Additional Information Letter No. 050. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/18/10	ML100480082	Memo, Virgil C. Summer Nuclear Station, Units 2 & 3, Summary of the Environmental Site Audit and Alternative Site Visit Related to the Review of the Combined License Application. 31 Page(s)	Memoranda Trip Report	NRC/NRO/DSER/RAP2	NRC/NRO/DSER/ RAP2	05200027 05200028
03/22/10	ML100840723	Virgil C. Summer, Units 2 and 3 Combined License Application, Supplemental Response No. 2 to Request for Additional Information (RAI) Letter No.055 Related to Introduction and Interfaces. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/23/10	ML100840722	Virgil C. Summer, Units 2 & 3 Combined License Application, Response to Request for Additional Information (RAI) Letter No.077 Related to SRP Section 13.6. 16 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/23/10	ML100850203	Virgil C. Summer, Units 2 and 3 Combined License Application, Response to Request for Additional Information Letter No. 077 Related to SRP Section 13.6. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/23/10	ML100570045	NRC Report at the February 11, 2010 NUPIC General Membership Meeting. 25 Page(s)	Slides and Viewgraphs	NRC/NRO/DCIP/CQVB		05200007 05200012 05200013 05200020 05200025 05200026 05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/01/10	ML100960022	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) Response to NRC Request for Supplemental Information Related to Hydrology Information Contained in Section 2.4.13 of VCSNS Final Safety Analysis Report (FSAR). 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200033 05200027 05200028
04/01/10	ML100960107	Virgil C. Summer, Units 2 & 3 - Combined License Application (COLA), Response to NRC Request for Additional Information (RAI) Letter No. 073 Related to Communications Systems. 11 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/05/10	ML100910533	U.S. Nuclear Regulatory Commission Staff Review of the Department of Homeland Security Consultation Reports. 2 Page(s)	Memoranda	NRC/NSIR/DSP/DDRRS/R SPLB	NRC/NSIR/DSP/D DRSR/RSPLB	05000390 05000391 05200012 05200013 05200014 05200015 05200016 05200017 05200018 05200019 05200022 05200023 05200024 05200025 05200026 05200027 05200028 05200029 05200030 05200033 05200034 05200035 05200037 05200038 05200039 05200040

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/06/10	ML100980069	Virgil C. Summer, Units 2 & 3, COLA - Voluntary Submittal to Provide Updated Final Safety Analysis Report Table 11.2-204. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200041 05200027 05200028
04/06/10	ML100640699	Trip Report regarding 2010 The International Conference on Simulation Technology for Power Plants February 22-25, 2010 Handout - Regulatory Guide 1.149 Update. 26 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs Trip Report	NRC/NRO/DCIP		05200001 05200006 05200010 05200011 05200012 05200014 05200015 05200016 05200017 05200018 05200019 05200020 05200022 05200023 05200024 05200025 05200026 05200027 05200028 05200029 05200030 05200033 05200034 05200035 05200036 05200037 05200038 05200039 05200040 05200041
04/09/10	ML101030119	Virgil C. Summer, Units 2 & 3 - Combined License Application, Endorsement of Standard Confirmatory Item 04.04-01. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/09/10	ML100960417	New Reactor Information Slides.	Meeting Briefing	NRC/NRO/DCIP/CHPB		05200001

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		18 Page(s)	Package/Handouts Slides and Viewgraphs			05200006 05200010 05200011 05200012 05200014 05200015 05200016 05200017 05200018 05200019 05200020 05200022 05200023 05200024 05200025 05200026 05200027 05200028 05200029 05200030 05200033 05200035 05200036 05200037 05200038 05200039 05200040 05200041
04/13/10	ML100880135	Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application Emergency Plan Review Schedule. 6 Page(s)	Letter	NRC/NRO/DNRL	South Carolina Electric & Gas Co	05200027 05200028
04/15/10	ML100700422	South Carolina Electric and Gas Company for Itself and Acting as an Agency for South Carolina Public Service Company (also Referred to a Santee Cooper) Notice of Availability of the DEIS for the COL for VC Summer Units 2 and 3. 4 Page(s)	Federal Register Notice	NRC/NRO/DSEER		05200027 05200028
04/15/10	ML100680560	Ltr. to EPA: Draft Environmental Impact Statement for the Virgil C. Summer	Letter	NRC/NRO/DSEER	US Environmental Protection	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/15/10	ML100680580	Nuclear Station Units 2 and 3, Combined License Application. 12 Page(s) Notification of the Issuance of the Draft Environmental Impact Statement for the Virgil C. Summer Nuclear Station, Unit 2 & 3 Combined Licence Application Review. 13 Page(s)	Letter	NRC/NRO/DSESR/RAP2	Agency, Office of Federal Activities Cherokee Nation	05200027 05200028
04/15/10	ML100680612	Notification of the Issuance of the Draft Environmental Impact State for Virgil C. Summer, Units 2 & 3 Combined Licenses Application Review. 13 Page(s)	Letter	NRC/NRO/DSESR/RAP2	United Keetoowah Band of Cherokee Indians	05200027 05200028
04/15/10	ML100690052	Letter to Eastern Band of the Cherokee Nation: Notification of the Issuance of the Draft Environmental Impact Statement for the Virgil C. Summer Nuclear Station, Units 2 and 3 Combined Licenses Application Review. 13 Page(s)	Letter	NRC/NRO/DSESR/RAP2	Eastern Band of Cherokee Indians	05200027 05200028
04/15/10	ML100690067	Ltr. to Catawba Indian Nation: NOTIFICATION OF THE ISSUANCE OF THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE VIRGIL C. SUMMER NUCLEAR STATION, UNITS 2 AND 3 COMBINED LICENSES APPLICATION REVIEW. 13 Page(s)	Letter	NRC/NRO/DSESR/RAP2	Catawba Indian Nation	05200027 05200028
04/15/10	ML100700408	Ltr to R. Clary from S. Flanders re: Notice of Availability of the Draft Environmental Impact Statement Related to the Combined Licenses for the Virgil C. Summer Nuclear Station, Units 2 and 3. 12 Page(s)	Letter	NRC/NRO/DSESR/RAP2	South Carolina Electric & Gas Co	05200027 05200028
04/15/10	ML100740696	Letter to SHPO Section 106 Consultation and Notification of the Issuance of the Draft Environmental Impacts Statement for VCSNS Site. 13 Page(s)	Letter	NRC/NRO/DSESR/RAP2	State of SC, Dept of Archives and History	05200027 05200028
04/15/10	ML100740708	Ltr to ACHP - Section 106 Consultation	Letter	NRC/NRO/DSESR/RAP2	US Advisory	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		and Notification of the Issuance of the Draft Environmental Impact Statement for the Virgil C. Summer Nuclear Station, Units 2 & 3 Combined License Application Review, Letter to J. Fowler. 13 Page(s)			Council On Historic Preservation	05200028
04/15/10	ML100840375	Letter to FWS (M. Belton) - Request for Comments on the DEIS and Biological Assessment Related to the review of the COLAs for VCSNS Units 2 and 3. 13 Page(s)	Letter	NRC/NRO/DSESR/RAP2	US Dept of Interior, Fish & Wildlife Service	05200027 05200028
04/15/10	ML100840634	Letter to NMFS - DEIS and Biological Assessment related to the Review of the Combined Licenses Application for VCSNS Units 2 and 3. 10 Page(s)	Letter	NRC/NRO/DSESR/RAP2	State of FL, National Marine Fisheries Services	05200027 05200028
04/15/10	ML100840785	Request for Comments on the Draft Environmental Impact Statement for the Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application Review. 12 Page(s)	Letter	NRC/NRO/DSESR/RAP2	State of SC, Dept of Natural Resources	05200027 05200028
04/15/10	ML100980345	Letter to C. Rippey - South Carolina Department Health and Environmental Conservation - Request for Comments on the Draft Environmental Impact Statement for the Virgil C. summer Nuclear Station, Unit 2 and 3, combined License Application Review. 12 Page(s)	Letter	NRC/NRO/DSESR/RAP2	State of SC, Dept of Health & Environmental Control	05200027 05200028
04/15/10	ML100980697	Ltr. to FERC - Request for Comments on the DEIS for VCSNS Units 2 and 3 COLA Review. 12 Page(s)	Letter	NRC/NRO/DSESR/RAP2	US Federal Energy Regulatory Commission	05200027 05200028
04/15/10	ML101050002	Federal Register Notice of Availability for the Draft Environmental Impact Statement Related to the Combined License Application for the Virgil C. Summer Nuclear Station, Units 2 and 3. 10 Page(s)	Memoranda	NRC/NRO/DSESR/RAP2	NRC/ADM/DAS/R DEB	05200027 05200028
04/19/10	ML101090175	Ltr to Mayor Gregory Ginyard - DEIS for the VCSNS Units 2 and 3 COLA.	Letter	NRC/NRO/DSESR/RAP2	Town of Jenkinsville, SC	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/19/10	ML101090247	12 Page(s) Ltr to L. McMaster Fairfield County Library - Maintenance of Reference Materials at Library in Regards to SCE&G and Santee Cooper COLA at the VCSNS Units 2 and 3 Site.	Letter	NRC/NRO/DSEER/RAP2	Fairfield County, SC	05200027 05200028
04/27/10	ML101200572	12 Page(s) Virgil C. Summer Units 2 & 3 Combined License Application Response to NRC Request for Additional Information (RAI) Letter No. 080 Related to Equipment and Floor Drainage System.	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/27/10	ML101200573	8 Page(s) Virgil C. Summer Units 2 & 3 Combined License Application, Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 072 Related to Radiation Protection Design Features.	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/29/10	ML101190142	7 Page(s) 05/04/2010 Notice of Forthcoming Closed Conference Call With AP1000 Combined License Applicants to Discuss Physical Security Open Items.	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
04/30/10	ML101000011	338 Page(s) NUREG-1939 Vol 2 DFC "Draft Environmental Impact Statement for Combined Licenses (COLs) for Virgil C. Summer Nuclear Station Units 2 and 3" (Draft for Comment).	NUREG	NRC/NRO US Dept of the Army, Corps of Engineers, Charleston District		05200027 05200028
05/03/10	ML101250140	2 Page(s) Enclosure - Letter from NRC to SCG&E on Schedule Change for VC Summer COL Application.	Letter	NRC/NRO/DNRL	South Carolina Electric & Gas Co	05200027 05200028
05/03/10	ML101250215	2 Page(s) Virgil C. Summer Nuclear Station Units 2 And 3 Combined License Application Emergency Plan Review Schedule.	Letter	NRC/NSIR/DPR/DDIR	US Dept of Homeland Security US Federal Emergency Mgmt Agency (FEMA)	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/11/10	ML101300691	05/11/2010-Notice of Forthcoming Closed Conference Call with AP1000 Combined License Applicants Regarding Physical Security Open Items. 13 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
05/11/10	ML101310156	05/13/2010-Notice of Forthcoming Closed Meeting with AP1000 Combined License Applicants Regarding Loss of Large Areas Due to Fire or Explosions. 13 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
05/12/10	ML101300340	R. B. Clary Ltr. - Re: Request for Withholding Information from Public Disclosure for Virgil C. Summer Nuclear Station, Units 2 and 3, Docket Numbers 52-027 and 52-028. 6 Page(s)	Letter Proprietary Information Review	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
05/13/10	ML101270485	05/27/2010 Notice of Public Meeting to Discuss Draft Environmental Impact Statement for the Virgil C. Summer Nuclear station Combined License Application for Units 2 and 3. 16 Page(s)	Federal Register Notice Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DSESR/RAP2	NRC/NRO/DSESR/ RAP2	05200027 05200028
05/17/10	ML101370185	05/18/2010 Notice of Forthcoming Closed Conference Call with AP1000 Combined License Applicants Regarding Physical Security and Loss of Large Areas Due to Explosion or Fire, Open Items. 13 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
05/18/10	ML101400364	Virgil C. Summer Units 2 & 3 Combined License Application - Supplemental Response to NRC Request for Additional Information Letter No. 078 Related to SRP Section 13.3 - Emergency Planning. 19 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/19/10	ML101450121	Virgil C. Summer, Units 2 and 3, Combined License Application Supplemental Response to NRC Request for Additional Information (RAI)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/19/10	ML101450124	Letters No. 069 and 070 Related to SRP 19 - Loss of Large Areas. 3 Page(s) Virgil C. Summer Units 2 & 3 Combined License Application - Response to NRC Request for Additional Information Letter No. 082, Related to SRP 19 - Loss of Large Areas. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/19/10	ML101450126	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Response to NRC Request for Additional Information (RAI) Letter No. 083 Related to SRP 13.06.01, Physical Security. 3 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/24/10	ML101470214	Virgil C. Summer Units 2 & 3 Combined License Application - Response to NRC Verbal Request for Information Related to Chapter 17 of the Final Safety Analysis Report. 68 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/25/10	ML101540528	Comment (1) of Rebekah Dobrasko on Behalf of South Carolina, Archives & History Center, State Historic Preservation Office on V.C. Summer, Units 2 and 3, Draft Environmental Impact Statement. 1 Page(s)	General FR Notice Comment Letter	State of SC, Dept of Archives and History	NRC/ADM/DAS/R DEB	05200027 05200028
05/27/10	ML101750038	Comment (2) of Michael Martin Opposing Draft Environmental Impact Statement Related to Virgil C. Summer, Units 2 & 3. 4 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
05/27/10	ML101760034	Comment (3) of C. Gay Opposing DEIS for Virgil C. Summer Nuclear Site, Units 2 & 3. 2 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
05/27/10	ML101760035	Comment (4) of Roberta M. Gay Opposing Draft Environmental Impact Statement Related to Virgil C. Summer,	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Units 2 & 3. 2 Page(s)				
05/27/10	ML101760036	Comment (5) of Karen Gay Opposing DEIS for Virgil C. Summer Nuclear Site Units 2 & 3. 2 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
05/27/10	ML101520180	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA), Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 041 Related to Groundwater. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/27/10	ML101450279	05/25/2010 - Notice of Closed Conference Call with AP1000 Combined License Applicants Regarding Physical Security and Loss of Large Areas Due to Explosion or Fire, Open Items 13 Page(s)	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
05/27/10	ML101410739	Draft Environmental Impact Statement for V. C. Summer, Units 2 & 3 Combined License Application- Slides. 27 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DSEER/RAP2		05200027 05200028
05/27/10	ML101610796	Transcript of Draft Environmental Impact Statement for Virgil C. Summer, Units 2 & 3 Combined License Application, Open House, May 27, 2010, Pages 1-8. 9 Page(s)	Meeting Transcript	NRC/NRO/DSEER/RAP2		05200027 05200028
05/27/10	ML101610797	Transcript of Draft Environmental Impact Statement for Virgil C. Summer, Public Meeting: Afternoon Session, May 27, 2010, Pages 1-65. 68 Page(s)	Meeting Transcript	NRC/NRO/DSEER/RAP2		05200027 05200028
05/27/10	ML101610798	Transcript of Draft Environmental Impact Statement for Virgil C. Summer, Units 2 & 3 Combined License Application, Public Meeting, Evening Session, May 27, 2010, Pages 1-73. 80 Page(s)	Meeting Transcript	NRC/NRO/DSEER/RAP2		05200027 05200028
06/01/10	ML101520572	06/01, 08, 15, 22, & 29, 2010, Notice of Recurring Closed Conference Calls with	Conference/Symposium/Workshop Paper	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		AP1000 Combined Applicants Regarding Physical Security, Loss of Large Areas Due to Explosion or Fire, and Cyber Security Open Items. 13 Page(s)	Meeting Agenda Meeting Notice Memoranda			05200027 05200028 05200029 05200030
06/03/10	ML101540547	05/27/2010 - Notice of a Forthcoming Closed Meeting with AP1000 Combined License Applicants Regarding Loss of Large Areas Due to Fire or Explosions. 13 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
06/03/10	ML101540589	06/03/2010 Notice of Forthcoming Closed Meeting With AP1000 Combined License Applicants Regarding Loss of Large Areas Due to Fire or Explosions. 13 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200025 05200026 05200027 05200028 05200029 05200030
06/08/10	ML101600364	2010/06/08 - Comment (28) E-mail regarding VC Summer – EIS Scoping 2 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/ RAP2	05200027
06/09/10	ML101540188	05/26/2010-Summary of Category 2 Public Meeting with Nuclear Energy Institute to Discuss Health Physics Issues for New Reactors. 5 Page(s)	Meeting Summary Memoranda	NRC/NRO/DCIP/CHPB	NRC/NRO/DCIP/ CHPB	05200006 05200010 05200012 05200013 05200016 05200020 05200021 05200025 05200026 05200027 05200028 PROJ0689
06/10/10	ML101600239	06/23/2010 Notice of Public Meeting with South Carolina Electric and Gas Company to Discuss Request for an Exemption to an AP1000 Wet Bulb Temperature Requirement for V.C. Summer Units 2 and 3 Combined License Application. 7 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
06/17/10	ML101380079	Summer DEIS Public Meeting Information Sheet.	Newsletter	NRC/NRO/DSEI/RAP2		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/18/10	ML101620435	4 Page(s) 06/18/2010, Summer DEIS Meeting - Attendees List. 14 Page(s)	Slides and Viewgraphs	NRC/NRO/DSEER/RAP2		05200027 05200028
06/21/10	ML101740234	Virgil C. Summer, Units 2 & 3, Combined License Application - Additional Response to NRC Request for Additional Information 02.03.01-9. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/22/10	ML101870020	Comment (8) of Verma J. Byrd on behalf of Self Opposed to Building two AP1000 Nuclear Reactor Installations. 2 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM	05200027 05200028
06/22/10	ML101870021	Comment (7) of Verma J. Byrd on behalf of Self opposed to Building two AP1000 Nuclear Reactor Installations. 2 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
06/22/10	ML101760188	Virgil C. Summer, Units 2 & 3, Combined License Application, Supplemental Response No. 2 to NRC Request for Additional Information Letter No. 041 Related to Groundwater. 8 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/23/10	ML101610800	05/27/2010 Summary of Public Meeting With U.S. Army Corps of Engineers (USACE), Charleston District to Discuss the Draft Environmental Impact Statement for V.C. Summer Nuclear Power station, Units 2 and 3. Combined License Application. 13 Page(s)	Meeting Summary Memoranda	NRC/NRO/DSEER/RAP2	NRC/NRO/DSEER/ RAP2	05200027 05200028
06/24/10	ML101790461	Virgil C. Summer, Units 2 & 3, Combined License Application - SCE&G Endorsement of Bellefonte Standard Content Request for Additional Information Items 06.01.02-02, 06.04-07, 06.04-08. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200014 05200015 05200027 05200028
06/24/10	ML101790462	Virgil C. Summer, Units 2 & 3, Combined License Application - Supplemental Response to NRC Request for Additional Information (RAI)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Letter No. 056 Related to SRP Section 2.5.4. 8 Page(s)				
06/25/10	ML101830256	Comment (6) of Steve Hocking, on Behalf of Federal Energy Regulatory Commission, on Draft Environmental Impact Statement for Virgil C. Summer Nuclear Station Units 2 & 3, NUREG-1939. 1 Page(s)	General FR Notice Comment Letter	US Federal Energy Regulatory Commission	NRC/ADM/DAS/R DEB	05200027 05200028
06/25/10	ML101960465	Comment (11) of Joseph Wojcicki, on NUREG-1939, Draft Environmental Impact Statement for Combined Licenses for Virgil C. Summer Nuclear Station, Units 2 & 3, Draft Report for Comment. 3 Page(s)	General FR Notice Comment Letter	- No Known Affiliation	NRC/ADM/DAS/R DEB	05200027 05200028
06/29/10	ML101820295	Virgil C. Summer, Units 2 and 3 Combined License Application - Supplement to SCE&G Endorsement of Bellefonte Standard Content Request for Additional Information Items 06.01.02-02, 06.04-07, 06.04-08. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/29/10	ML101820515	Virgil C. Summer, Units 2 & 3 Combined License Application, Revisions to Part 2, Chapter 1. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/29/10	ML101860224	Virgil C. Summer, Units 2 & 3 - Periodic Update of Construction Schedule. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO NRC/RGN-I/DRS	05200027 05200028
06/30/10	ML101870540	Virgil C. Summer, Units 2 and 3 - Enclosure 3 - Evaluation of Impacts, Change to Maximum Safety Non-Coincident Ambient Wet Bulb Temperature. 22 Page(s)	- No Document Type Applies	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/30/10	ML101830391	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) Responses to NRC Request for Additional Information (RAI) Letter No. 081 Related to SRP Section 9.2.2 and	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Letter No. 079 Related to SRP Section 6.2.1. 10 Page(s)				
06/30/10	ML101940187	Evaluation of Impacts, Change to Maximum Safety Non-Coincident Ambient Wet Bulb Temperature for the V C Summer Site. 82 Page(s)	Report, Technical	Westinghouse Electric Co, LLC	NRC/NRO	05200027 05200028
07/01/10	ML101830371	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Supplemental Response to NRC Request for Additional Information (RAI) Letter No.076 Related to SRP Section 13.6. 6 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/01/10	ML101830389	Virgil C. Summer, Units 2 & 3 Combined License Application, Supplemental Response to NRC Verbal Request for Information Related to Chapter 17 of Final Safety Analysis Report (FSAR). 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/01/10	ML101830390	Virgil C. Summer, Units 2 & 3 Combined License Application, Response to RAI 4837 Revision 2. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/01/10	ML101880711	Virgil C. Summer, Units 2 and 3 Combined License Application - Supplemental Response to NRC Request for Additional Information (RAI) Letter No.077 Related to SRP Section 13.6. 9 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/01/10	ML101940460	Evaluation of Impacts, Change to Maximum Safety Non-Coincident Ambient Wet Bulb Temperature for the V.C. Summer Site. 28 Page(s)	Report, Technical	Westinghouse Electric Co, LLC	NRC/NRO	05200027 05200028
07/02/10	ML101870656	Virgil C. Summer, Units 2 and 3 Combined License Application -	Letter	SCANA Corp South Carolina Electric &	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/02/10	ML101870657	Response to NRC Request for Additional Information (RAI) 03.07.01-2 on Waterproofing. 4 Page(s)		Gas Co	NRC/NRO	
07/02/10	ML101870658	Virgil C. Summer, Units 2 & 3 - Combined License Application - Voluntary Update to FSAR Table 2.0-201 to Address Proposed Changes to AP1000 DCD. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/02/10	ML101870658	Virgil C. Summer, Units 2 & 3 - Combined License Application - Supplemental Response to NRC Request for Additional Information Letter No. 081 Related to SRP Section 9.2.2 and Letter No. 079 Related to SRP Section 6.2.1. 3 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/02/10	ML101930267	Virgil C. Summer, Units 2 and 3, Submittal of Revision 2 to Part 3 (Environmental Report) of the Combined License Application. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/06/10	ML101400387	Figures 1 -VCSNS SER Chapter (2.5.1-1 thru 2.5.1-4 and 2.5.2-1) Master. 16 Page(s)	Drawing Map NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL		05200027 05200028
07/06/10	ML101900253	2010/07/06 - Comment (29) E-mail regarding VC Summer – EIS Scoping 12 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSE/R RAP2	05200027
07/06/10	ML101960466	Comment (12) of Robert D. Perry on Behalf of South Carolina, Dept. of Natural Resources on Draft Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 & 3. 8 Page(s)	General FR Notice Comment Letter	State of SC, Dept of Natural Resources	NRC/ADM/DAS/R DEB	05200027 05200028
07/06/10	ML101400393	Tables - VCSNS SER Chapter 2 Tables 2.3.1-1; 2.5.2-1; 2.5.2-2; 2.5.4-1; and 2.5.4-3 Master. 4 Page(s)	Graphics incl Charts and Tables NRO Safety Evaluation Report	NRC/NRO/DNRL		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/06/10	ML101550257	Virgil C. Summer, Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 2, "Sites Characteristics". 6 Page(s)	(SER)-Delayed Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
07/06/10	ML101400388	Figures 2 - VCSNS SER Chapter 2 (2.5.2-13 thru 2.5.2-17) Master. 5 Page(s)	Map NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL		05200027 05200028
07/06/10	ML101400389	Figures 3 - VCSNS SER Chapter 2 (2.5.3-1 and 2.5.4-1 thru 2.5.4-4) Master. 5 Page(s)	Map NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL		05200027 05200028
07/06/10	ML101550273	Memo - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 2, "Sites Characteristics". 4 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
07/06/10	ML101390008	VCSNS SER Chapter 2 CLEAN Master. 223 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL		05200027 05200028
07/07/10	ML101900257	2010/07/07 - Comment (30) E-mail regarding VC Summer – EIS Scoping 5 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/RAP2	05200027
07/07/10	ML101450501	VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 4, "Reactor". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
07/07/10	ML101450515	Memo - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 4, "Reactor". 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
07/07/10	ML100621218	Summer SER Chapter 4 CLEAN Master. 6 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
07/08/10	ML101900261	2010/07/08 - Comment (31) E-mail regarding VC Summer – EIS Scoping 3 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/RAP2	05200027
07/08/10	ML101900262	2010/07/08 - Comment (32) E-mail regarding VC Summer – EIS Scoping	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSEI/RAP2	05200027



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/08/10	ML101930136	5 Page(s) Virgil C. Summer, Units 2 & 3 Combined License Application, Supplemental Response to Request for Additional Information 13.06.01-6. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/08/10	ML101940028	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), SCE&G Supplemental Response to Endorsement of Bellefonte Standard Content Request for Additional Information 12.03-12.04-01. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/08/10	ML101940186	Virgil C. Summer, Units 2 & 3 Combined License Application, Supplemental Response to NRC Request for Additional Information Letter No. 081 Related to SRP Section 9.2.2 and Letter No. 079 Related to SRP Section 6.2.1... 32 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/08/10	ML101930269	Comment (10) of Joyce Stanley on Behalf of US Dept of Interior on Draft Environmental Impact Statement (DEIS), NUREG 1939, for the Combined Licenses (COLs) for Virgil C. Summer Nuclear Station, Units 2 and 3. 1 Page(s)	Rulemaking-Comment	US Dept of Interior (DOI)	NRC/ADM/DC	05200027 05200028
07/09/10	ML101900540	2010/07/09 - Comment (33) E-mail regarding VC Summer – EIS Scoping 5 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/RAP2	05200027
07/09/10	ML101900618	2010/07/09 - Comment (34) E-mail regarding VC Summer – EIS Scoping 12 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/RAP2	05200027
07/09/10	ML102030368	Comment (14) of Sara Barczak, on Behalf of Southern Alliance for Clean Energy, Opposing Draft Environmental Impact Statement for V.C. Summer Combined Operating License for Units 2 & 3. 3 Page(s)	General FR Notice Comment Letter	Southern Alliance for Clean Energy	NRC/ADM/DAS/R DEB	05200027 05200028
07/09/10	ML102160720	Comment (15) of Heinz J. Mueller, on	General FR Notice	US Environmental	NRC/ADM/DAS/R	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Behalf of US EPA, Region 4, on Draft Environmental Impact Statement for COLs for Virgil C. Summer Units 2 & 3. 14 Page(s)	Comment Letter	Protection Agency (EPA)	DEB	05200028
07/09/10	ML101940027	VC Summer, Units 2 & 3, Comments on the Draft Environmental Impact Statement for Combined Licenses. 10 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/19/10	ML102000359	08/12/10 - Meeting Notice for Design-Centered Working Group (DCWG), Re: Discuss Guidance Associated with Complying with 10 CFR 52.79(a)(31) Regarding Construction Impacts. 15 Page(s)	Meeting Agenda Meeting Summary	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
07/19/10	ML102210385	08/26/2010 - Revised Meeting Notice - Notice of Forthcoming Public Meeting with the AP1000 Design-Centered Working Group to Discuss Guidance Associated with Complying with 10 CFR 52.79(a)(31) Regarding Construction Impacts. 20 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
07/20/10	ML102030024	Virgil C. Summer, Units 2 and 3, 10 CFR 50.46 Thirty (30) Day Report. 2 Page(s)	Letter Licensee 30-Day Written Event Report	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/20/10	ML102000347	6/23/10 - Summary of Public Meeting with South Caroling Electric and Gas Company (SCE&G), Virgil C. Summer,	Meeting Summary	NRC/NRO/DNRL/NWE1		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
07/22/10	ML102070376	Units 2 and 3, Re: Request for an Exemption to an AP1000 Wet Bulb Temperature Requirement. 8 Page(s)	General FR Notice Comment Letter	Public Commenter	NRC/NRO/DSER/RAP2	05200027
07/27/10	ML102160539	2010/07/22 - Comment (35) E-mail regarding VC Summer – EIS Scoping 5 Page(s) Virgil C. Summer, Units 2 and 3, Combined License Application - Response to NRC Environmental Report (ER) Requests for Additional Information (RAI): Gen-2 Part 2 and Gen-3. 3 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/29/10	ML102140218	Virgil C. Summer Nuclear Station, Units 1, 2 and 3, Preparation and Scheduling of Operator Licensing Examinations. 3 Page(s)	Letter Schedule and Calendars	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRR	05000395 05200027 05200028
07/29/10	ML102140337	Virgil C. Summer Units 2 & 3, Combined License Application - SCE&G Endorsement of Standard Response to Safety Evaluation Report Open Item 16.01-01. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/02/10	ML102170198	Virgil C. Summer Units 2 & 3 Combined License Application - Endorsement of R-COLA Responses to Relating to the Loss of Large Areas of the Plant Due to Explosions or Fire - Mitigative Strategies Description and Plans. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/03/10	ML102170261	Virgil C. Summer Units 2 & 3 COLA - Response to Advisory Committee on Reactor Safeguards Request for Calculations to Review. 14 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/05/10	ML102210128	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA), SCE&G Endorsement of Standard Voluntary Information for Final Safety Analysis Chapter 7. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/10/10	ML102220109	08/12/2010 - Notice of Cancellation of Forthcoming Public Meeting with AP1000 Design-Centered Working Group to Discuss Guidance Associated with Complying with 10 CFR 52.79(a)(31) Regarding Construction Impacts. 15 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
08/10/10	ML102220269	08/26/2010 Notice of Forthcoming Meeting With the AP1000 Design-Centered Working Group to Discuss Guidance Associated With Complying With 10 CFR 52.79(a)(31) Regarding Construction Impacts.  20 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
08/11/10	ML102280570	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Voluntary Response Related to Part 7 of the COLA. 4 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/11/10	ML102280571	Virgil C. Summer Units 2 & 3 Combined License Application - SCE&G Endorsement of Standard Voluntary Information for Final Safety Analysis Chapter 13. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/23/10	ML102440654	Virgil C. Summer, Units 2 and 3, Periodic Update of Construction Schedule.	Letter	South Carolina Electric & Gas Co	NRC/NRO NRC/RGN-II	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/23/10	ML102380456	2 Page(s) Trip Report - August 23-24, 2010, Geology Site Visit in Support of the V.C. Summer Combined License Application - Enclosure 4. 6 Page(s)	Slides and Viewgraphs	Fugro NRC/NRO/DNRL/NWE1 Shaw Group, Inc	NRC/NRO/DNRL/ NWE1	05200027 05200028
08/23/10	ML102380460	Trip Report - August 23-24, 2010, Geology Site Visit in Support of the V.C. Summer Combined License Application - Enclosure 5. 31 Page(s)	Slides and Viewgraphs	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
08/23/10	ML102380472	Trip Report - August 23-24, 2010, Geology Site Visit in Support of the V.C. Summer Combined License Application - Enclosure 6. 13 Page(s)	Slides and Viewgraphs	Fugro NRC/NRO/DNRL/NWE1 Shaw Group, Inc	NRC/NRO/DNRL/ NWE1	05200027 05200028
08/23/10	ML111151188	V. C. Summer NRC Geologic Visit April 18-19, 2011 - Preliminary results and observations from the geologic mapping activities part 3 (Enclosure 10). 12 Page(s)	Slides and Viewgraphs	Furgo Consultants, LP Shaw Nuclear Services	NRC/NRO/DNRL	05200027 05200028
08/24/10	ML102380467	Virgil C. Summer, Units 2 & 3 Combined License Application, Submittal of Voluntary Response to Update FSAR Table 13.4-201 and Emergency Plan Part 10. 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/24/10	ML102380512	Virgil C. Summer, Units 2 and 3 Combined License Application - Submittal of Revision 2 of Part 8 of the Combined License Application - Security Plan. 3 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440524	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 3 - Part 5, Emergency Plan for V.C. Summer Nuclear Station 266 Page(s)	Emergency Preparedness- Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440525	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 3 - Part 5, V.C. Summer Nuclear Station	Emergency Preparedness- Emergency Plan	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/25/10	ML102440485	Development of Evacuation Time Estimates (ETE) 342 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - Part 2, Final Safety Analysis Report (FSAR) Master Table of Contents 10 Page(s)	License-Application for Combined License (COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440486	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 01 - Introduction and General Description of the Plant - Sections 01.00 - 01.10, Appendices 1A, 1AA, 1B 151 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440487	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.0 - Site Characteristics 13 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440488	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.1 - Geography and Demography 34 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440489	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.2 - Nearby Industrial, Transportation, and Military Facilities 42 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440490	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 161 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440491	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 161 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - 133 Page(s)	Report (FSAR) License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
08/25/10	ML102440492	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-201 through 2.4-220 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440493	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-221 through 2.4-240 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440494	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-241 through 2.4-261 21 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440495	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.0 - Geology, Seismology, and Geotechnical Engineering - 5 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440496	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - 88 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440497	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site	Final Safety Analysis Report (FSAR) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/25/10	ML102440498	Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-201 through 2.5.1-213 16 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-214 through 2.5.1-222 10 Page(s)	for Combined License (COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440499	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-223 through 2.5.2-232 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440500	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.2 - Vibratory Ground Motion 134 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440501	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 18 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440502	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.4 - Stability of Subsurface Materials and Foundations 157 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440503	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.5 - Combined License Information for	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/25/10	ML102440505	Stability of Slopes 4 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 02 - Site Characteristics - Section 2.5.6 - Combined License Information for Embankments and Dams 2 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440506	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 03 - Design of Structures, Components, Equipment and Systems - Sections 03.01 - 03.11, Appendices 3A - 3I 49 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440507	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 04 - Reactor - Sections 04.01 - 04.06 7 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440508	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 05 - Reactor Coolant System and Connected Systems - Sections 05.01 - 05.04 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440509	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 06 - Engineered Safety Features - Sections 06.00 - 06.06, Appendix 6A 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440510	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 07 - Instrumentation and Controls - Sections 07.01 - 07.07 11 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440511	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 08 - Electric	Final Safety Analysis Report (FSAR) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/25/10	ML102440512	Power - Sections 08.01 - 08.03 21 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 09 - Auxiliary Systems - Sections 09.01 - 09.05, Appendix 9A 57 Page(s)	for Combined License (COLA) Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440513	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 10 - Steam and Power Conversion - Sections 10.01 - 10.04 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440514	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 11 - Radioactive Waste Management - Sections 11.01 - 11.05 38 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440515	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 12 - Radiation Protection - Sections 12.01 - 12.05, Appendix 12AA 26 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440516	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 13 - Conduct of Operations - Sections 13.01 - 13.07, Appendix 13AA 69 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440517	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 14 - Initial Test Program - Sections 14.01 - 14.04 39 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440518	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 15 - Accident Analyses - Sections 15.00 - 15.08, Appendices 15A, 15B	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/25/10	ML102440519	12 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 16 - Technical Specifications - Sections 16.01 - 16.03 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440520	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 17 - Quality Assurance - Sections 17.01 - 17.08 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440521	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 18 - Human Factors Engineering - Sections 18.01 - 18.14 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440522	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 3 - FSAR Chapter 19 - Probabilistic Risk Assessment - Sections 19.01 - 19.59, Appendices 19A - 19F 77 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440542	V. C. Summer Nuclear Station Units 2 & 3 COLA (Generic DCD Departures Report), Rev. 3 - Part 7, Departures and Exemptions 18 Page(s)	Generic DCD Departures Report License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440547	V. C. Summer Nuclear Station Units 2 & 3 COLA (ITAAC), Rev. 3 - Part 10, Proposed License Conditions and ITAAC 45 Page(s)	Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102380466	Virgil C. Summer, Units 2 and 3 Combined License Application - Endorsement of Vogtle R-COLA Standard Content Submittals. 8 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440597	Virgil C. Summer, Units 2 and 3	Letter	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application, Submittal of Revision 3 of Final Safety Analysis Report (FSAR). 5 Page(s)		Gas Co	Control Desk NRC/NRO	05200028
08/25/10	ML102440483	V. C. Summer Nuclear Station Units 2 & 3 COLA (General and Admin Information), Rev. 3 - Part 1, General and Administrative Information 13 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440549	V. C. Summer Nuclear Station Units 2 & 3 COLA (Quality Assurance Program Description), Rev. 3 - Part 13, Quality Assurance Program Description 57 Page(s)	License-Application for Combined License (COLA) Quality Assurance Program	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440551	V. C. Summer Nuclear Station Units 2 & 3 COLA (Mitigative Strategies Description and Plans), Rev. 3 - Part 14, Mitigative Strategies Description and Plans 4 Page(s)	License-Application for Combined License (COLA) Report, Technical	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/25/10	ML102440553	V. C. Summer Nuclear Station Units 2 & 3 COLA (Cyber Security Plan), Rev. 3 - Part 15, Cyber Security Plan 4 Page(s)	License-Application for Combined License (COLA) Report, Technical	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/26/10	ML102430187	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA), Submittal of Roadmap of Changes for the August 25, 2010 COLA. 57 Page(s)	Graphics incl Charts and Tables Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/27/10	ML102390308	SRM-M100827 - Affirmation: I. SECY-10-0092 - South Carolina Electric & Gas Co. and South Carolina Public Service Authority., II. SECY-10-0094 - Entergy Nuclear Generation Co. and Entergy Nuclear Operations, Inc., III. SECY-10-0074 - David Geisen,...	Memoranda	NRC/SECY	NRC/OCA	05200027 05200028
08/30/10	ML101550700	Ltr - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 17. "Quality Assurance." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/30/10	ML102440241	Virgil C. Summer, Units 2 & 3 Combined License Application - Submittal of Reviewer's Aid for Part 14 of August 25, 2010 COLA. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/30/10	ML102380454	Trip Report - August 23-24, 2010, Geology Site Visit in Support of the V.C. Summer Combined License Application (memo). 12 Page(s)	Memoranda Trip Report	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/NWE1	05200027 05200028
09/01/10	ML102500210	Virgil C. Summer, Units 2 and 3 Combined License Application, Supplemental Response to Request for Additional Information (RAI) Letter 057. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/01/10	ML101550701	Memo - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 17, "Quality Assurance". 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
09/02/10	ML101550653	Ltr - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 11, "Radioactive Waste Management". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/02/10	ML101550686	Ltr - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 12, "Radiation Protection". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/02/10	ML100700102	Summer SER Chapter 11 CLEAN Master. 44 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/02/10	ML101820007	VCSNS SER Chapter 12 CLEAN Master. 42 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/03/10	ML101550661	Memo - VCSNS Advanced Final Safety Evaluation Report with No Open Items for Chapter 11, "Radioactive Waste Management". 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
09/03/10	ML101550687	Memo - VCSNS Units 2 and 3	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Advanced Final Safety Evaluation Report with No Open Items for Chapter 12, "Radiation Protection". 3 Page(s)				05200028
09/07/10	ML101550698	Virgil C. Summer Nuclear Station, Units 2 and 3, Advanced Final Safety Evaluation Report With No Open Items for Chapter 16, Technical Specifications" (Letter). 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/07/10	ML102530309	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3, Combined License Application (COLA), SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Revision to Final Safety Analysis Report Chapter 6 Related to Toxic Chemicals. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/07/10	ML102450020	Slides - Summary of the August 26, 2010, Public Meeting With AP1000 Design-Centered Working Group to Discuss Guidance Associated With Complying With 10 CFR 52.79(a)(31) Regarding Construction Impacts. 17 Page(s)	Meeting Summary Slides and Viewgraphs	NRC/NRO/DNRL/NRGA		05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
09/07/10	ML101550699	Memo re: Virgil C. Summer Nuclear Station Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 16, "Technical Specifications." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
09/07/10	ML102440473	08/26/2010 Summary of Public Meeting With AP1000 Design-Centered Working Group to Discuss Guidance Associated With Complying With 10 CFR	Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		52.79(a)(31) Regarding Construction Impacts. 3 Page(s)				05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
09/07/10	ML101890864	Virgil C. Summer Nuclear Station, Units 2 & 3, SER Chapter 16 "Technical Specifications" CLEAN Master. 14 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
09/08/10	ML102530163	Virgil C. Summer, Units 2 and 3, Combined License Application Endorsement of Reference COLA (R-COLA) Response to Request for Additional Information (RAI) Letter 060 Involving RCS Unidentified Leakage. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/08/10	ML102530164	Virgil C. Summer, Units 2 and 3, Combined License Application, Endorsement of Reference COLA (R-COLA) Response to Bellefonte Units 3 and 4 Safety Evaluation Report Open Items for Chapter 15. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200014 05200015 05200027 05200028
09/08/10	ML102530165	Virgil C. Summer, Units 2 and 3 Combined License Application, Voluntary Submittal Related to the Environmental Report Chapter 8. 6 Page(s)	Letter	South Texas Project Nuclear Operating Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/08/10	ML102530166	Virgil C. Summer, Units 2 and 3 Combined License Application, Endorsement of Reference COLA (R-COLA) Voluntary Revision to Final Safety Analysis Report Chapter 5 Related to Quickloc Weld Build-up ISI. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/13/10	ML101450427	Virgil C. Summer Nuclear Power Station Units 2 and 3, Advanced Final Safety	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
09/13/10	ML101520668	Evaluation Report With No Open Items for Chapter 10, "Steam and Power Conversion System" (Letter). 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/13/10	ML101450456	Virgil C. Summer Nuclear Station, Units 2 and 3, Advanced Final Safety Evaluation Report With No Open Items for Chapter 7, "Instrumentation and Controls." 6 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
09/13/10	ML101020031	Memo, Virgil C. Summer Nuclear Power Station Units 2 and 3, Advanced Final Safety Evaluation Report With No Open Items for Chapter 10, "Steam and Power Conversion System." 3 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
09/13/10	ML101370712	VCSNP SE Chapter 10 CLEAN Master. 35 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
09/14/10	ML101540411	Virgil C. Summer, Units 3 and 4, Advanced Final Safety Evaluation Report with No Open Items for Chapter 7, "Instrumentation and Controls." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
09/14/10	ML101890606	VCSNS SER Chapter 17 CLEAN Master. 40 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/16/10	ML102660627	Virgil C. Summer, Units 2 and 3, Periodic Update of Construction Schedule. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO NRC/RGN- II/DCP/CPB2	05200027 05200028
09/20/10	ML102650086	Virgil C. Summer, Units 2 & 3 - Combined License Application - SCE&G Endorsement of Reference COLA Voluntary Revision to Final Safety Analysis Report Chapter 3 Regarding the Structures Inspection	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Program. 2 Page(s)				
09/21/10	ML102640048	Virgil C. Summer Nuclear Station Units 2 and 3, Request for Withholding Information from Public Disclosure. Docket Numbers 52-027 and 52-028. 6 Page(s)	Letter Proprietary Information Review	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/24/10	ML102450059	Ltr - Virgil C. Summer Nuclear Power Station Units 2 and 3 Advanced Final Safety Evaluation with No Open Items for Section 2.4, "Hydrologic Engineering." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/24/10	ML102140255	VCSNS SE Chapter 2, Section 2.4 Clean Master. 80 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
09/28/10	ML102780267	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA), Submittal of Environmental Report (ER) Revision 2 Figures and Related Data Files of Interest. 7 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
09/30/10	ML102450029	Memo - Virgil C. Summer Nuclear Power Station Units 2 and 3 Advanced Final Safety Evaluation with No Open Items for Section 2.4, "Hydrologic Engineering." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
10/03/10	ML110480912	Jurisdictional Waters of the US Within the Proposed VCSNS-Varnville Transmission Corridor, Sheets 1 - 15 (USACE Preliminary Jurisdictional Determination attachment). 15 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSEI/ RAP2	05200027 05200028
10/03/10	ML110480913	Jurisdictional Waters of the US within the Proposed VCSNS-Varnville Transmission Corridor, Sheets 16 - 30 (USACE Preliminary Jurisdictional Determination Attachment). 15 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSEI/ RAP2	05200027 05200028
10/03/10	ML110480914	Jurisdictional Waters of the US within the Proposed VCSNS-Varnville	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSEI/ RAP2	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
10/03/10	ML110480916	Transmission Corridor, Sheets 31 - 47 (USACE Preliminary Jurisdictional Determination Attachment). 17 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028
10/03/10	ML110480917	Jurisdictional Waters of the US within the Proposed VCSNS-Varnville Transmission Corridor, Sheets 48 - 65 (USACE Preliminary Jurisdictional Determination Attachment). 18 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028
10/03/10	ML110480918	Jurisdictional Waters of the US within the Proposed VCSNS-Varnville Transmission Corridor, Sheets 66 - 81 (USACE Preliminary Jurisdictional Determination Attachment). 16 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028
10/03/10	ML110480920	Jurisdictional Waters of the US within the Proposed VCSNS-Varnville Transmission Corridor, Sheets 82 - 96 (USACE Preliminary Jurisdictional Determination Attachment). 15 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028
10/03/10	ML110480922	Jurisdictional Waters of the US within the Proposed VCSNS-Flat Creek Transmission Corridor, Sheets 1 - 15 (USACE Preliminary Jurisdictional Determination Attachment). 15 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028
10/03/10	ML110480923	Jurisdictional Waters of the US within the Proposed VCSNS- Flat Creek Transmission Corridor, Sheets 16 - 33 (USACE Preliminary Jurisdictional Determination Attachment). 18 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028
10/03/10	ML110480924	Jurisdictional Waters of the US within the Proposed VCSNS- Flat Creek	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
10/03/10	ML110480925	Transmission Corridor, Sheets 34 - 49 (USACE Preliminary Jurisdictional Determination Attachment). 16 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSEER/ RAP2	05200027 05200028
10/04/10	ML102800187	Jurisdictional Waters of the US within the Proposed VCSNS- Flat Creek Transmission Corridor, Sheets 50 - 61 (USACE Preliminary Jurisdictional Determination Attachment). 12 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/04/10	ML102850210	Virgil C. Summer, Units 2 and 3 - Combined License Application - Supplemental Response to NRC Request for Additional Information (RAI) Letter No. 071 Related to Probabilistic Risk Assessment and Severe Accident Evaluation. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/04/10	ML110480911	Virgil C. Summer, Units 2 and 3 Combined License Application - Endorsement of R-COLA Voluntary Response to FSAR Chapter 19 Regarding Seismic Margin. 7 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSEER/ RAP2	05200027 05200028
10/04/10	ML110480921	Sheet Index for Proposed VCSNS-Varnville Line. 5 Page(s)	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSEER/ RAP2	05200027 05200028
10/11/10	ML102861202	Sheet Index for Proposed VCSNS-Flat Creek Line. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/11/10	ML102870122	Virgil C. Summer, Units 2 & 3, Combined License Application, SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Revision to Final Safety Analysis Report Chapter 6 Related to Safety Related Coatings. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Mitigative Strategies Description and Plans. 4 Page(s)				
10/11/10	ML102870123	Virgil C. Summer, Units 2 & 3 - Combined License Application - Additional Response to NRC Request for Additional Information Letter No. 054. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/12/10	ML102870121	Virgil C. Summer, Units 2 and 3, Combined License Application, Clarification for Information Needs: NRHH-4/NRHH-12. 29 Page(s)	Letter Operating Plan	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/12/10	ML102880149	Virgil C. Summer, Units 2 & 3 Combined License Application - Endorsement of Reference COLA Response to Request for Additional Information (RAI) Letter 061 Involving Control Room Habitability. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/19/10	ML102980200	Combined License Application - SCE&G Transmission Line Siting Study Revision and Associated GIS Data. 48 Page(s)	Letter License-Application for Combined License (COLA)	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/20/10	ML102950087	Virgil C. Summer, Units 2 and 3 Combined License Application Endorsement of Reference COLA (R-COLA) Voluntary Rev. to Final Safety Analysis Report Chapter 8 Regarding Periodic Testing of Battery Chargers and Voltage Regulating Transformers. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
10/29/10	ML102160353	Virgil C. Summer Nuclear Station, Units 2 and 3, Combined License Application - Revised Safety Review Schedule. 11 Page(s)	Letter Schedule and Calendars	NRC/NRO/DNRL	South Carolina Electric & Gas Co	05200027 05200028
11/02/10	ML110480919	Jurisdictional Waters of the US within the Proposed VCSNS-Varnville Transmission Corridor, Sheets 97 - 111 (USACE Preliminary Jurisdictional	Map	MACTEC, Inc Santee Cooper	NRC/NRO/DSER/ RAP2	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Determination Attachment). 15 Page(s)				
11/03/10	ML101540639	Ltr Chpt 9 - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 9, "Auxiliary Systems". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/03/10	ML103010327	Summer SE Chapter 19 Letter, Probabilistic Risk Assessment (Excludes LOLA). 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/03/10	ML102670044	SE Chpt 9 - VCSNS SE Chapter 9 CLEAN Master "Auxiliary Systems." 100 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
11/04/10	ML102950269	SE Chpt 19 - VCSNS SE Chapter 19 (Except LOLA) CLEAN Master. 27 Page(s)	- No Document Type Applies NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
11/04/10	ML101550702	Ltr Chpt 18 - VCSNS Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 18, "Quality Assurance". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/04/10	ML101540643	Memo Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application - Advanced Safety Evaluation Without Open Items for Chapter 9, "Auxiliary Systems." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/04/10	ML101550703	Memo Chpt 18 - Virgil C. Summer Units 2 and 3 Advanced Final Safety Evaluation Report with No Open Items for Chapter 18, "Human Factors Engineering". 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/04/10	ML103010338	Summer SE Chapter 19 Memo, "Probabilistic Risk Assessment" (excludes LOLA). 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/04/10	ML101250016	SE Chpt 18 - VCSNS SE Chapter 18 CLEAN Master "Human Factors	NRO Safety Evaluation Report	NRC/NRO/DNRL/NWE1		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Engineering." 26 Page(s)	(SER)-Delayed			
11/08/10	ML101540630	Letter re: Virgil C. Summer Nuclear Station Units 2 and 3 Advanced Safety Evaluation Report with No Open Items for Chapter 8, "Electric Power." 10 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/08/10	ML103140614	Virgil C. Summer Units 2 & 3, Submittal of Revision 2 of the Loss of Large Areas of the Plant Due to Explosions or Fire, Mitigative Strategies Description and Plans. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/08/10	ML103140616	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 SCE&G Endorsement of Reference COLA (R-COLA) Safety Evaluation Report Open Items for Chapter 15. 2 Page(s)	Letter	SCANA Corp	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/08/10	ML103140617	Virgil C. Summer, Units 2 & 3, Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Revision to Final Safety Analysis Report Chapter 3 Involving Construction Procedures. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/08/10	ML103140717	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Response to Advisory Committee on Reactor Safeguards (ACRS) - Request for Calculations to Review - Non-Proprietary Calculation Packages. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/09/10	ML101540620	Memo - Virgil C. Summer Units 2 and 3 Combined License Application - Advanced Final Safety Evaluation Report with No Open Items for Chapter 8, "Electric Power." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/09/10	ML102370262	Summer SER Chapter 8 "Electric	NRO Safety	NRC/NRO/DNRL	South Carolina	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Power." 35 Page(s)	Evaluation Report (SER)-Delayed		Electric & Gas Co	05200028
11/12/10	ML110610772	Mine Permits for Santee Cooper, 2010910. 2 Page(s)	Spreadsheet File	US Dept of Commerce, National Oceanic & Atmospheric Admin (NOAA)	NRC/NRO/DSEI/RAP2	05200027 05200028
11/15/10	ML103420643	Virgil C. Summer, Units 2 and 3 - Periodic Update of Construction Schedule. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO NRC/RGN-II	05200027 05200028
11/16/10	ML103220142	Virgil C. Summer, Units 2 and 3, Combined License Application - Voluntary Revision to Clarify Implementation Milestones for Security Programs. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/16/10	ML103220143	Virgil C. Summer, Units 2 & 3 Combined License Application - Endorsement Reference COLA Voluntary Revision to FSAR Chapter 1 Related to Incorporation by Reference of Proprietary and Safeguards Information. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/16/10	ML103220144	Virgil C. Summer, Units 2 & 3 Combined License Application - Response to Clarification Request Concerning RAI TLine-1. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/16/10	ML103220145	Virgil C. Summer, Units 2 & 3 Combined License Application - Endorsement of Reference COLA Part 10 Voluntary Revision Involving Initial Test Program License Conditions. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/17/10	ML101520635	Virgil C. Summer Nuclear Power Station, Units 2 and 3 Advanced Safety Evaluation Report without Open Items for Chapter 6, "Engineered Safety Features". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/17/10	ML101550526	Virgil C. Summer, Units 2 & 3	Letter	NRC/NRO/DNRL/NWE1	South Carolina	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Combined License Application - Advanced Safety Evaluation without Open Items for Chapter 5, "Reactor Coolant Systems and Connected Systems". 6 Page(s)			Electric & Gas Co	05200028
11/17/10	ML103230131	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Revision to FSAR Chapter 14 Related to Qualifications of Test Engineers. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/17/10	ML103230132	Virgil C. Summer, Units 2 and 3 Combined License Application - Endorsement of Reference COLA (R-COLA) Response to Request for Additional Information Letter No. 063 Related to ISG-22. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/18/10	ML101550696	Virgil C. Summer Nuclear Station Units 2 and 3 Advanced Safety Evaluation Without Open Items for Chapter 15, "Accident Analysis." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/18/10	ML103260238	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) SCE&G Endorsement of Reference COLA (R-COLA) Response to Request for Additional Information Letter No. 062 Related to Material Licenses. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
11/18/10	ML101550558	Virgil C. Summer, Units 2 & 3 Combined License Application - Advanced Safety Evaluation Without Open Items for Chapter 5, "Reactor Coolant System and Connected Systems." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/18/10	ML101550697	Memo - VCSNS Units 2 and 3 Advanced Safety Evaluation without Open Items for Chapter 15. "Accident	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
11/18/10	ML102080334	Analysis." 3 Page(s) Virgil C Summer, Units 2 & 3 Combined License Application - Advanced Safety Evaluation without Open Items for Chapter 6, "Engineered Safety Features." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/18/10	ML100670055	SE - Chpt 5 - VCSNS Chapter 5 Clean Master. 65 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
11/18/10	ML102980694	SE Chpt 6 - VCSNS Chapter 6 Clean Master. 44 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
11/18/10	ML103070532	SE Chapter 15 - VCSNS Chapter 15 "Accident Analysis." 24 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO	South Carolina Electric & Gas Co	05200027 05200028
11/19/10	ML101550205	Ltr - VCSNS Units 2 and 3 Advanced Safety Evaluation Without Open Items for Chapter 3, "Design of Structures, Components, Equipment, and Systems." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/19/10	ML101550693	Virgil C. Summer, Units 2 and 3, Advanced Final Safety Evaluation Report with No Open Items for Section 13.3 "Emergency Planning." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/19/10	ML101550694	Ltr Ch 14 - VCSNS Units 2 and 3 Advanced Safety Evaluation without Open Items for Chapter 14, "Initial Test Programs". 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/19/10	ML101550236	Memo - VCSNS Units 2 and 3 Advanced Safety Evaluation without Open Items for Chapter 3, "Design of Structures, Components, Equipment, and Systems." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
11/19/10	ML101550691	Virgil C. Summer, Units 2 and 3, Advanced Safety Evaluation Report without Open Items for Chapter 13,	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
11/19/10	ML101550695	Section 13.3, "Emergency Planning." 3 Page(s) Memo Ch 14- VCSNS Units 2 and 3 Advanced Safety Evaluation without Open Items for Chapter 14, "Initial Test Programs". 3 Page(s)	Memoranda	NRC/NRO/DNRL/NWE1	NRC/ACRS	05200027 05200028
11/19/10	ML102020681	SE Chpt 13 - VCSNS SE Chapter 13, Section 13.3 "Emergency Planning." 148 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
11/19/10	ML102660181	SE Ch 14 - VCSNS SE Chapter 14, "Initial Test Programs". 64 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/19/10	ML103070512	SE VCSNS Chapter 3 "Design of Structures, Components, Equipment and Systems." 99 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
11/23/10	ML103300033	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Response to Bellefonte Units 3 and 4 Safety Evaluation Report Open Items for Chapter 3. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200014 05200015 05200027 05200028
11/30/10	ML103360073	Virgil C. Summer, Units 2 and 3, Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Request for Additional Information Letter No. 064 Related to Special Nuclear Material. 24 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
12/09/10	ML101550390	Ltr - VCSNS Units 2 and 3 Advanced Safety Evaluation Report without Open Items for Chapter 1, "Introduction and General Description of Plant." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
12/09/10	ML110490471	12/09/2010-Meeting with US Fish & Wildlife Service Regarding VC Summer Units 2 & 3 COLA Environmental Review. 1 Page(s)	Meeting Summary	NRC/NRO/DSEIR/RAP2		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/10/10	ML103360056	VCSNS Appendix A CLEAN Master. 41 Page(s)	- No Document Type Applies	NRC/NRR/DORL		05200027 05200028
12/10/10	ML101550704	Virgil C. Summer, Units 2 & 3 Combined License Application, Advanced Safety Evaluation without Open Items for Chapter 19, Appendix 19.A "Loss of Large Areas of the Plant Due to Explosions or Fires." 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
12/10/10	ML103200056	Ltr - VC Summer SE Chapter 13 "Conduct of Operations". 7 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
12/10/10	ML101550427	Memo - VCSNS Units 2 and 3 Advanced Safety Evaluation without Open Items for Chapter 1, "Introduction and General Description of Plant." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
12/10/10	ML101590342	Virgil C. Summer, Units 2 & 3 Combined License Application, Advanced Safety Evaluation without Open Items for Chapter 19, Appendix 19.A "Loss of Large Areas of the Plant Due to Explosions or Fires." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
12/10/10	ML103200058	Virgil C. Summer, Units 2 & 3 Combined License Application - Advanced Safety Evaluation without Open Items for Chapter 13, "Conduct of Operations." 3 Page(s)	Memoranda	NRC/NRO/DNRL	NRC/ACRS	05200027 05200028
12/10/10	ML100840174	SE Chpt 13 - SE Chapter 13, Sections 13.1, 2, 4, 5, 6, 7, and 8 Clean Master. 150 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
12/10/10	ML101370358	SE Chpt 1 - VCSNS SE Chapter 1 "Introduction and General Description of Plant." 52 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL/NWE1		05200027 05200028
12/10/10	ML103350636	SE- Public - VCSNS Chapter 19, Appendix 19.A, "Loss of Large Areas of the Plant Due to Explosions or Fires (LOLA)." 5 Page(s)	NRO Safety Evaluation Report (SER)-Delayed	NRC/NRO/DNRL		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
12/14/10	ML110470613	USACE Preliminary Jurisdictional Determination Letter Dated December 14, 2010. 40 Page(s)	Graphics incl Charts and Tables Letter	US Dept of the Army, Corps of Engineers, Charleston District	NRC/NRO/DSER/RAP2 South Carolina Electric & Gas Co	05200027 05200028
12/17/10	ML103550563	Virgil C. Summer, Units 2 & 3 - Combined License Application - Response to NRC Regulatory Issue Summary 2010-10. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
01/21/11	ML110310829	Submittal of Cultural Resources Management Plan and Agreement Among the S. Carolina Dept. of Archives & History, SHPO, Corps, and SCE&G regarding V.C. Summer. 21 Page(s)	Agreement States Letter Operating Plan	US Dept of the Army, Corps of Engineers, Charleston District	NRC/NRO/DSER/RAP2 South Carolina Electric & Gas Co	05200027 05200028
01/21/11	ML110310858	Submittal of Cultural Resources Management Plan for Two New Transmission Lines Serving the Proposed New Units at V.C. Summer. 12 Page(s)	Agreement States Letter Operating Plan	US Dept of the Army, Corps of Engineers, Charleston District	NRC/NRO/DSER/RAP2 Santee Cooper	05200027 05200028
02/02/11	ML110350200	Virgil C. Summer Nuclear Station (VCSNS), Units 2 & 3 - Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Revision to Cyber Security Plan Regarding Scope Clarification for Balance of Plant Systems. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/03/11	ML110350580	Virgil C. Summer, Units 2 & 3, Combined License Application (COLA) - Response to Clarification Request Concerning Request for Additional Information (RAI) USACE-3. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410260	V. C. Summer Nuclear Station Units 2 & 3 COLA (Emergency Plan), Rev. 4 - Part 5, Emergency Plan for V.C. Summer Nuclear Station 266 Page(s)	Emergency Preparedness-Emergency Plan License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410275	V. C. Summer Nuclear Station Units 2 & 3	Emergency	South Carolina Electric & Gas Co	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Emergency Plan), Rev. 4 - Part 5, V.C. Summer Nuclear Station Development of Evacuation Time Estimates (ETE) 342 Page(s)	Preparedness-Emergency Plan License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
02/07/11	ML110410211	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - Part 2, Final Safety Analysis Report (FSAR) Master Table of Contents 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410212	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 19 - Probabilistic Risk Assessment - Sections 19.01 - 19.59, Appendices 19A - 19F 78 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410213	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 18 - Human Factors Engineering - Sections 18.01 - 18.14 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410215	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 17 - Quality Assurance - Sections 17.01 - 17.08 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410217	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 16 - Technical Specifications - Sections 16.01 - 16.03 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410218	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 15 - Accident Analyses - Sections 15.00 - 15.08, Appendices 15A, 15B 13 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410219	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report),	Final Safety Analysis Report (FSAR)	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Rev. 4 - FSAR Chapter 14 - Initial Test Program - Sections 14.01 - 14.04, Appendix 14A 40 Page(s)	License-Application for Combined License (COLA)		NRC/NRO	
02/07/11	ML110410220	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 13 - Conduct of Operations - Sections 13.01 - 13.07, Appendix 13AA 70 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410221	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 12 - Radiation Protection - Sections 12.01 - 12.05, Appendix 12AA 26 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410223	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 11 - Radioactive Waste Management - Sections 11.01 - 11.05 38 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410224	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 10 - Steam and Power Conversion - Sections 10.01 - 10.04 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410225	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 09 - Auxiliary Systems - Sections 09.01 - 09.05, Appendix 9A 57 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410226	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 08 - Electric Power - Sections 08.01 - 08.03 22 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410227	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 07 -	Final Safety Analysis Report (FSAR) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Instrumentation and Controls - Sections 07.01 - 07.07 11 Page(s)	for Combined License (COLA)			
02/07/11	ML110410228	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 06 - Engineered Safety Features - Sections 06.00 - 06.06, Appendix 6A 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410229	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 05 - Reactor Coolant System and Connected Systems - Sections 05.01 - 05.04 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410230	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 04 - Reactor - Sections 04.01 - 04.06 7 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410232	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 03 - Design of Structures, Components, Equipment and Systems - Sections 03.01 - 03.11, Appendices 3A - 3I 50 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410234	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.0 - Site Characteristics 13 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410235	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.1 - Geography and Demography 34 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410236	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site	Final Safety Analysis Report (FSAR) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/07/11	ML110410237	Characteristics - Section 2.2 - Nearby Industrial, Transportation, and Military Facilities 42 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 161 Page(s)	for Combined License (COLA)  Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410238	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering 133 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410239	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-201 through 2.4-220 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410240	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-221 through 2.4-240 20 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410241	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-241 through 2.4-261 21 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410243	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.0 - Geology, Seismology, and Geotechnical	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/07/11	ML110410244	Engineering 5 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information 88 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410245	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-201 through 2.5.1-213 16 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410247	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-214 through 2.5.1-222 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410248	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-223 through 2.5.2-232 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410249	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.2 - Vibratory Ground Motion 134 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410251	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 18 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410252	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 18 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.4 - Stability of Subsurface Materials and Foundations 157 Page(s)	Report (FSAR) License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
02/07/11	ML110410254	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.5 - Combined License Information for Stability of Slopes 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410255	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 02 - Site Characteristics - Section 2.5.6 - Combined License Information for Embankments and Dams 2 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410256	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report), Rev. 4 - FSAR Chapter 01 - Introduction and General Description of the Plant - Sections 01.00 - 01.10, Appendices 1A, 1AA, 1B 152 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410277	V. C. Summer Nuclear Station Units 2 & 3 COLA (Departures and Exemptions), Rev. 4 - Part 7, Departures and Exemptions 25 Page(s)	Generic DCD Departures Report License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410281	V. C. Summer Nuclear Station Units 2 & 3 COLA (Proposed License Conditions and ITAAC), Rev. 4 - Part 10, Proposed License Conditions and ITAAC 47 Page(s)	Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110390572	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined - License Application (COLA) - Submittal	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/07/11	ML110390573	of Reviewer's Aid for Part 14 of the February 7, 2011 Submittal of the COLA. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410366	Virgil C. Summer, Units 2 and 3 Combined License Application (COLA) - Submittal of Roadmap of Changes for the February 7, 2011 Submittal of the COLA. 33 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410208	Virgil C. Summer Nuclear Station Units 2 & 3 COLA (General and Administrative Information), Rev. 4 - Part 1, General and Administrative Information 15 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410258	V. C. Summer Nuclear Station Units 2 & 3 COLA (Technical Specifications), Rev. 4 - Part 4, Technical Specifications for V.C. Summer Nuclear Station Units 2 and 3 853 Page(s)	License-Application for Combined License (COLA) Technical Specifications	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/07/11	ML110410285	V. C. Summer Nuclear Station Units 2 & 3 COLA (SNM Material Control and Accounting Program ), Rev. 4 - Part 16, Special Nuclear Material (SNM) Material Control and Accounting Program Description 13 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/08/11	ML110410185	Virgil C. Summer, Units 2 & 3, Combined License Application - Response to Clarification Requests Concerning Final Environmental Impact Statement (FEIS). 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/08/11	ML110410190	Virgil C. Summer Nuclear Station, Units	Letter	SCANA Corp	NRC/Document	05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		2 & 3 Combined License Application (COLA), Response to NRC Clarification Request Concerning Request for Additional Information (RAI) SW-11. 30 Page(s)		South Carolina Electric & Gas Co	Control Desk NRC/NRO	05200028
02/14/11	ML110460531	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Information to Address ACRS Questions. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/15/11	ML110470345	Virgil C. Summer, Units 2 and 3 - Combined License Application (COLA) - SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Letter Regarding Conformance with Division 5 Regulatory Guides. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
02/16/11	ML110480864	Sheet Index with TnE Locations Varnville Line (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480871	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 1- 15 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480874	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 16-30 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480876	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 31-47 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480879	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets				05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
02/16/11	ML110480880	48-65 (USACE Preliminary Jurisdictional Determination attachment) Page(s) Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 66-81 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480884	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 82-96 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480887	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 97-111 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480894	Reference Data for Proposed VCSNS-Varnville Transmission Corridor, Sheets 111-129 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480897	Figure 1: Sheet Index Flat Creek Line (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480899	Reference Data for Proposed VCSNS-Flat Creek Transmission Corridor, Sheets 1-15 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480901	Reference Data for Proposed VCSNS-Flat Creek Transmission Corridor, Sheets 16-33 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		attachment) Page(s)				
02/16/11	ML110480903	Reference Data for Proposed VCSNS-Flat Creek Transmission Corridor, Sheets 34-49 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110480904	Reference Data for Proposed VCSNS-Flat Creek Transmission Corridor, Sheets 50-61 (USACE Preliminary Jurisdictional Determination attachment) Page(s)				05200027 05200028
02/16/11	ML110470614	Jurisdictional Waters of the US within the Proposed Site Relocation Transmission Corridors Outside of Site Boundary (USACE Preliminary Jurisdictional Determination Attachment). 1 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470615	Sheet Index VCS - Killian #1 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 1 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470616	Jurisdictional Waters of the US within the Proposed VCS - Killian #1 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 33 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470617	Sheet Index VCS - St. George #1 and VCS - Lake Murray #2 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 1 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470618	Jurisdictional Waters of the US within the Proposed VCS - St. George #1 and VCS - Lake Murray #2 Transmission Corridor (USACE Preliminary	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Jurisdictional Determination Attachment). 20 Page(s)				
02/16/11	ML110470619	Sheet Index VCS - St. George #1 and VCS - St. George #2 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 4 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470620	Jurisdictional Waters of the US within the Proposed VCS - St. George #1 and #2 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 69 Page(s)	Map	South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470621	Sheet Index VCS - St. George #2 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 1 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/16/11	ML110470622	Jurisdictional Waters of the US within the Proposed VCS - St. George #2 Transmission Corridor (USACE Preliminary Jurisdictional Determination Attachment). 17 Page(s)	Map	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO/DSER/ RAP2	05200027 05200028
02/17/11	ML110450490	Report on the Safety Aspects of the South Carolina Electric and Gas Company Combined License Application for V.C. Summer Nuclear Station, Units 2 and 3 7 Page(s)	Committee Letter Report	NRC/ACRS		05200027 05200028
02/17/11	ML110550324	G20110125/LTR-11-0073/EDATS: SECY-2011-0087 - Ltr. Said Abdel-Khalik re: Report on the Safety Aspects of the South Carolina Electric and Gas Company Combined License Application for V. C. Summer Nuclear Station, Units 2 and 3. 10 Page(s)	Letter	NRC/ACRS	NRC/Chairman	05200027 05200028
02/23/11	ML110490189	1st Federal Register Notice 02/23/11 Re: Notice Of Availability Of COL	Federal Register Notice	NRC/NRO/DNRL/NWE1		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Application for VC Summer Units 2 and 3. 2 Page(s)				
02/23/11	ML110350249	Request for Withholding Toxic Gas Calculations From Public Disclosure for Virgil C. Summer Nuclear Station Units 2 and 3, Docket Numbers 52-027 and 52-028. 6 Page(s)	Letter Proprietary Information Review	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
02/23/11	ML110490202	Cover Letter for Federal Register Notification of the Availability of the Combined License Application for V. C. Summer Nuclear Stations Units 2 and 3 and Notification of State Regulatory Agency in Accordance with 10 CFR 50.43 Requirements. 6 Page(s)	Letter	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028
02/23/11	ML110490240	Notification of the Availability of the Combined License Application for V.C. Summer Units 2 and 3 in Accordance with 10 CFR 50.43 requirements. 2 Page(s)	Letter	NRC/NRO/DNRL/NWE1	State of SC, Public Service Commission	05200027 05200028
02/23/11	ML110700601	Virgil C. Summer, Units 2 & 3, Periodic Update of Construction Schedule. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/NRO NRC/RGN-II	05200027 05200028
03/02/11	ML110550026	2nd Federal Register Notification 03/02/11 Re: Availability of the COL Application for VC Summer Units 2 and 3. 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL/NWE1		05200027 05200028
03/08/11	ML110690250	Virgil C. Summer, Units 2 and 3 - Combined License Application - Response to NRC Clarification Request Concerning Environmental Report Information Need AQ-9. 4 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/09/11	ML110550048	3rd Federal Register Notification 03/09/11 Re: Availability of the COL Application for VC Summer Units 2 and 3. 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL/NWE1		05200027 05200028
03/10/11	ML110560851	Supplemental Information to Biological	- No Document Type	NRC/NRO/DSE/RAP2		05200027



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Assessment Virgil C. Summer Nuclear Station Combined Licenses Application. 19 Page(s)	Applies			05200028
03/10/11	ML110670213	Supplemental Information to Biological Assessment Prepared for National Marine Fisheries Service, Virgil C. Summer Nuclear Station Combined License Application. 17 Page(s)	- No Document Type Applies	NRC/NRO/DSER/RAP2	State of FL, National Marine Fisheries Services	05200027 05200028
03/10/11	ML110600628	Supplement to the Biological Assessment Related to the Review of the Combined Licenses Application for the Virgil C. Summer, Units 2 & 3. 10 Page(s)	Letter	NRC/NRO/DSER/RAP2	US Dept of Interior, Fish & Wildlife Service	05200027 05200028
03/10/11	ML110670209	Transmittal Letter for Supplement to the Summer BA for NMFS. 10 Page(s)	Letter	NRC/NRO/DSER/RAP2	State of FL, National Marine Fisheries Services	05200027 05200028
03/11/11	ML110820002	USACE Concurrence with Final Environmental Impact Statement for V.S. Summer Units 2 and 3. 1 Page(s)	Letter	US Dept of the Army, Corps of Engineers, Charleston District	NRC/NRO	05200027 05200028
03/14/11	ML110760017	Virgil C. Summer, Units 2 and 3 Combined License Application, Endorsement of Reference COLA (R-COLA) Voluntary Revision to Final Safety Analysis Report Chapter 1. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
03/14/11	ML110900346	USFWS Letter re: Biological Assessment, Virgil C. Summers Nuclear Station, Fairfield County, SC. 2 Page(s)	Letter	US Dept of Interior, Fish & Wildlife Service	NRC/NRO/DSER	05200027 05200028
03/16/11	ML110550062	4th Federal Register Notification 03/16/11 Re: Availability of the COL Application for VC Summer Units 2 and 3. 2 Page(s)	Federal Register Notice	NRC/NRO/DNRL/NWE1		05200027 05200028
03/18/11	ML110840026	Virgil C. Summer, Units 2 & 3 Combined License Application (COLA) Notification Of Santee Cooper/Orlando Utilities Commission Letter Of intent Regarding Power Purchase Agreement.	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
03/22/11	ML110880431	1 Page(s) Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3, Periodic Update Of Construction Schedule. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
03/26/11	ML110560591	G20110125/LTR-11-0073/EDATS: SECY-2011-0087 - R. W. Borchardt ltr to S. Abdel-Khalik Re: Report on the Safety Aspects of the South Carolina Electric and Gas Company Combined License Application for V.C. Summer Nuclear Station, Units 2 and 3. 2 Page(s)	Letter Safety Evaluation Report	NRC/EDO NRC/NRO	NRC/ACRS	05200027 05200028
03/30/11	ML110910544	Virgil C. Summer, Units 2 and 3 - Combined License Application - SCE&G Endorsement of Reference COLA (R-COLA) Supplemental Information Provided in Support of 10CFR Part 30 Byproduct Material and Part 40 Source Material License. 9 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/06/11	ML110980382	Virgil C. Summer, Units 2 & 3 Combined License Application (COLA), Endorsement of Reference COLA (R-COLA) Voluntary Revision Letter Regarding Protection of Special Nuclear Material Prior to 10 CFR 73.55 Implementation. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/06/11	ML110980403	Virgil C. Summer, Units 2 and 3 - Endorsement of Reference COLA (R-COLA) RAIs Relating to Special Nuclear Material Physical Protection Program Description (SNMPPP) and Submittal of VCSNS SNMPPP. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
04/15/11	ML110490477	NMFS Consultation Call 10/29/10 Page(s)				05200027 05200028
04/15/11	ML110800065	Federal Register Notice - Notice of Availability of the Final Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 and 3.	Federal Register Notice	NRC/NRO/DSEER/RAP2	South Carolina Electric & Gas Co	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/15/11	ML110800053	2 Page(s) EPA, Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DUSER NRC/NRO/DUSER/RAP2	US Environmental Protection Agency, Office of Federal Activities	05200027 05200028
04/15/11	ML110800056	Fairfield County Library, Notice Of Availability of Fairfield County Library, Notice of Availability of the Final Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 And 3 Combined License Application Review. 10 Page(s)	Letter	NRC/NRO/DUSER/RAP2	Fairfield County, SC	05200027 05200028
04/15/11	ML110800057	Final Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 & 3, Combined License Application Review. 10 Page(s)	Letter	NRC/NRO/DUSER/RAP2	US Dept of the Army, Corps of Engineers	05200027 05200028
04/15/11	ML110800063	Notice of Availability of the Final Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 and 3. 10 Page(s)	Letter	NRC/NRO/DUSER/RAP2	South Carolina Electric & Gas Co	05200027 05200028
04/15/11	ML110800077	Catawba, Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DUSER/RAP2	Catawba Indian Nation	05200027 05200028
04/15/11	ML110800081	Notice Availability of the Final Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DUSER/RAP2	Cherokee Nation	05200027 05200028
04/15/11	ML110800083	Notice of Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DUSER/RAP2	Eastern Band of Cherokee Indians	05200027 05200028
04/15/11	ML110800084	United Keetowah Band of the Cherokee Nation, Notice Availability Of The Final Environmental Impact Statement For	Letter	NRC/NRO/DUSER/RAP2	United Keetoowah Band of Cherokee Indians	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
04/15/11	ML110810582	Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s) FERC, Notice of Availability of the Final Environmental Impact Statement for Virgil C. Summer Nuclear Station, Units 2 & 3, Combined Licenses Application Review. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	US Federal Energy Regulatory Commission	05200027 05200028
04/15/11	ML110810589	Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	US Dept of Interior, Fish & Wildlife Service	05200027 05200028
04/15/11	ML110810593	NMFS, Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3, Combined Licenses Application Review. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	State of FL, National Marine Fisheries Services	05200027 05200028
04/15/11	ML110810597	Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	State of SC, Dept of Health & Environmental Control	05200027 05200028
04/15/11	ML110810603	SCDNR, Notice Availability of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 and 3. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	State of SC, Dept of Natural Resources	05200027 05200028
04/15/11	ML110810607	Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 & 3. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	US Advisory Council On Historic Preservation	05200027 05200028
04/15/11	ML110810609	SHPO, Notice Availability Of The Final Environmental Impact Statement For Virgil C. Summer Nuclear Station, Units 2 And 3. 10 Page(s)	Letter	NRC/NRO/DSEER/RAP2	State of SC, Dept of Archives and History	05200027 05200028
04/18/11	ML111150614	V.C. Summer NRC Geologic Visit April 18-19, 2011 - Geologic program	Slides and Viewgraphs	Furgo Consultants, LP Shaw Nuclear Services	NRC/NRO/DNRL	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		overview Part 1 (Enclosure 5). 6 Page(s)				
04/18/11	ML111150695	V.C. Summer NRC Geologic Visit April 18-19, 2011 - Geologic program overview part 2 (Enclosure 6). 35 Page(s)	Slides and Viewgraphs	Furgo Consultants, LP Shaw Nuclear Services	NRC/NRO/DNRL	05200027 05200028
04/18/11	ML111150885	V. C. Summer NRC Geologic Visit April 18-19, 2011 - Preliminary results and observations from the geologic mapping activities part 1 (Enclosure 8). 14 Page(s)	Slides and Viewgraphs	Furgo Consultants, LP Shaw Nuclear Services Williams & Associates, Inc	NRC/NRO/DNRL	05200027 05200028
04/18/11	ML111150999	V. C. Summer NRC Geologic Visit April 18-19, 2011 - Preliminary results and observations from the geologic mapping activities part 2 (Enclosure 9). 29 Page(s)	Slides and Viewgraphs	Furgo Consultants, LP Shaw Nuclear Services	NRC/NRO/DNRL	05200027 05200028
04/19/11	ML111091089	Press Release-11-067: NRC, U.S. Army Corps of Engineers Issue Final Environmental Impact Statement for New Reactors at Virgil C. Summer Site. 2 Page(s)	Press Release	NRC/OPA		05200027 05200028
04/19/11	ML111150597	V.C. Summer NRC Geologic Visit April 18-19, 2011 - Site Visit Overview (Enclosure 4). 34 Page(s)	Slides and Viewgraphs	South Carolina Electric & Gas Co	NRC/NRO/DNRL	05200027 05200028
04/19/11	ML111151205	V. C. Summer NRC Geologic Visit April 18-19, 2011 - Geologic Mapping lessons learned and plans for future work (Enclosure 11). 4 Page(s)	Slides and Viewgraphs	Furgo Consultants, LP Shaw Nuclear Services	NRC/NRO/DNRL	05200027 05200028
04/30/11	ML11098A044	NUREG-1939, Vol 1, "Final Environmental Impact Statement for Combined Licenses (COLs) for Virgil C. Summer Nuclear Station, Units 2 and 3," Final Report. 919 Page(s)	NUREG	NRC/NRO US Dept of the Army, Corps of Engineers		05200027 05200028
04/30/11	ML11098A057	NUREG-1939, Vol 2, "Final Environmental Impact Statement for Combined Licenses (COLs) for Virgil C. Summer Nuclear Station, Units 2 and 3," Final Report. 493 Page(s)	NUREG	NRC/NRO US Dept of the Army, Corps of Engineers		05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/09/11	ML111150846	V. C. Summer NRC Geologic Visit April 18-19, 2011 - Overview of Wall Mapping Process (Enclosure 7). 13 Page(s)	Slides and Viewgraphs	NRC/NRO/DNRL/NWE1		05200027 05200028
05/09/11	ML111150574	Trip Report - April 18 - 19, 2011, Geology Site Visit and Audit in Support of the V.C. Summer Combined License Application. 17 Page(s)	Trip Report	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
05/10/11	ML11131A132	Virgil C. Summer, Units 2 & 3, Combined License Application - Corrections Necessary to Accurately Reflect R-COLA Endorsement Letter. 6 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/10/11	ML111260408	05/24/2011 Notice of Forthcoming Meeting with AP1000 Design-Centered Working Group (DCWG) to Discuss the Closure Plan for the AP1000 Piping Design Acceptance Criteria. 9 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
05/10/11	ML111390647	05/24/2011 Revised Notice of Meeting With AP1000 Design-Centered Working Group (DCWG). 9 Page(s)	Meeting Agenda Meeting Notice Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/13/11	ML11138A095	Vogtle, Units 3 and 4 Combined License Application, Voluntary Revision to Combined License Application Part 10. 6 Page(s)	Letter	Southern Co Southern Nuclear Operating Co, Inc	NRC/Document Control Desk NRC/NRO	05200025 05200028
05/19/11	ML111370271	04/27/2011 Meeting Slide - Vogtle & Summer Licensing: Major Activities and Prerequisites. 2 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DNRL/NRGA		05200025 05200026 05200027 05200028
05/19/11	ML111370264	04/27/2011 - Summary of Public Meeting with Industry's New Plant Working Group on Combined License Applications. 13 Page(s)	Meeting Summary	NRC/NRO/DNRL/NRGA	NRC/NRO/DNRL/ NRGA	05200025 05200026 05200027 05200028
05/24/11	ML11145A190	V. C. Summer, Units 2 & 3, SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Revision to Combined License Application Part 10. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
05/24/11	ML111460082	5/24/11 - AP1000 DCWG Meeting to Discuss Piping DAC and Initial Test Program License Conditions. 6 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	NRC/NRO/DNRL/NWE1		05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
05/24/11	ML111460084	Meeting Handouts for 5/24/11 - AP1000 DCWG Meeting to Discuss Piping DAC and Initial Test Program License Conditions. 29 Page(s)	Meeting Briefing Package/Handouts Slides and Viewgraphs	Southern Co Southern Nuclear Operating Co, Inc	NRC/NRO	05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
05/24/11	ML111460093	AP1000 DCWG Meeting to Discuss Piping DAC and Initial Test Program License Conditions. 3 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO/DNRL/NWE1		05200028 05200029 05200030 05200040 05200041 05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
05/24/11	ML111460096	Meeting Handouts for 5/24/11 - AP1000 DCWG Meeting to Discuss Piping DAC and Initial test Program License Conditions - Staff Handouts Draft Inspection Procedure 65001.20. 8 Page(s)	Meeting Briefing Package/Handouts	NRC/NRO/DNRL/NWE1		05200014 05200015 05200018 05200019 05200022 05200023 05200025 05200026 05200027 05200028 05200029 05200030 05200040 05200041
06/01/11	ML11164A038	Comment (1) of Heinz J. Mueller on the Final Environmental Impact Statement (FEIS) for the Combined Licenses (COLs) for Virgil C. Summer Nuclear Station Units 2 and 3. Construction and Operation of a New Nuclear Power Generating Facility. 5 Page(s)	General FR Notice Comment Letter	US Environmental Protection Agency (EPA)	NRC/ADM/DAS/R DEB	05200027 05200028
06/09/11	ML111590785	Inspection of South Carolina Electric &	Letter	NRC/NRO/DCIP/CQVB	South Carolina	05200027



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		Gas Company Assurance Program Implementation for V.C. Summer Units 2 and 3 Combined License Application. 5 Page(s)			Electric & Gas Co	05200028
06/09/11	ML111470482	05/24/2011 Summary of Public Meeting with the AP1000 Design Centered Working Group (DCWG) To Discuss the Closure Plan for AP1000 Piping Design Acceptance Criteria (DAC) and Initial Test Program (ITP) License Conditions. 12 Page(s)	Meeting Summary Memoranda	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/NWE1	05200014 05200015 05200018 05200019 05200022 05200023 05200026 05200027 05200028 05200029 05200030 05200040 05200041
06/14/11	ML11168A046	Virgil C. Summer, Units 2 and 3, 10, Clarification to CFR 50.46 Annual Report. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/24/11	ML11180A063	Virgil C. Summer Units 2 & 3 Combined License Application - SCE&G Endorsement of Reference COLA (R-COLA) Voluntary Letter Regarding In-Transit Requirements for New Fuel Shipments. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11181A010	Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA), Response to NRC Request for Additional Information Related to Emergency Planning. 8 Page(s)	Emergency Preparedness-Emergency Plan Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A035	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - Part 2, Final Safety Analysis Report (FSAR) Master Table of Contents 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A036	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 01 - Introduction and	Final Safety Analysis Report (FSAR) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		General Description of the Plant - Sections 01.00 - 01.10, Appendices 1A, 1AA, 1B 153 Page(s)	for Combined License (COLA)			
06/28/11	ML11187A037	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.0 - Site Characteristics 13 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A038	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.1 - Geography and Demography 34 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A039	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.2 - Nearby Industrial, Transportation, and Military Facilities 42 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A040	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.3 - Meteorology 161 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A041	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering 133 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A042	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4-201 through 2.4-220 19 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A043	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4.221 through 2.4-240	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/28/11	ML11187A044	20 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.4 - Hydrologic Engineering - Figures 2.4.241 through 2.4-261 21 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A045	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.0 - Geology, Seismology, and Geotechnical Engineering 5 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A046	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information 88 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A047	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-201 through 2.5.1-213 16 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A048	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-214 through 2.5.1-222 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A049	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.1 - Basic Geologic and Seismic Information - Figures 2.5.1-223 through 2.5.2-232 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A050	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) -	Final Safety Analysis Report (FSAR)	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		FSAR Chapter 02 - Site Characteristics - Section 2.5.2 - Vibratory Ground Motion 134 Page(s)	License-Application for Combined License (COLA)		NRC/NRO	
06/28/11	ML11187A051	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.3 - Surface Faulting 18 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A052	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.4 - Stability of Subsurface Materials and Foundations 157 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A053	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.5 - Combined License Information for Stability of Slopes 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A056	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 02 - Site Characteristics - Section 2.5.6 - Combined License Information for Embankments and Dams 2 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A057	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 03 - Design of Structures, Components, Equipment and Systems - Sections 03.01 - 03.11, Appendices 3A - 3I 50 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A058	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 04 - Reactor - Sections 04.01 - 04.06 7 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A059	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) -	Final Safety Analysis Report (FSAR)	South Carolina Electric & Gas Co	NRC/Document Control Desk	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/28/11	ML11187A060	FSAR Chapter 05 - Reactor Coolant System and Connected Systems - Sections 05.01 - 05.04 20 Page(s) V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 06 - Engineered Safety Features - Sections 06.00 - 06.06, Appendix 6A 25 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/NRO	05200027 05200028
06/28/11	ML11187A061	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 07 - Instrumentation and Controls - Sections 07.01 - 07.07 11 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A062	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 08 - Electric Power - Sections 08.01 - 08.03 22 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A063	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 09 - Auxiliary Systems - Sections 09.01 - 09.05, Appendix 9A 57 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A064	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 10 - Steam and Power Conversion - Sections 10.01 - 10.04 25 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A065	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 11 - Radioactive Waste Management - Sections 11.01 - 11.05 38 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A066	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 12 - Radiation Protection - Sections 12.01 - 12.05, Appendix 12AA 27 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A067	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 12 - Radiation Protection - Sections 12.01 - 12.05, Appendix 12AA 27 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
		3 COLA (Final Safety Analysis Report) - FSAR Chapter 13 - Conduct of Operations - Sections 13.01 - 13.07, Appendix 13AA 70 Page(s)	Report (FSAR) License-Application for Combined License (COLA)	Gas Co	Control Desk NRC/NRO	05200028
06/28/11	ML11187A068	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 14 - Initial Test Program - Sections 14.01 - 14.04, Appendix 14A 40 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A069	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 15 - Accident Analyses - Sections 15.00 - 15.08, Appendices 15A, 15B 13 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A070	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 16 - Technical Specifications - Sections 16.01 - 16.03 4 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A071	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 17 - Quality Assurance - Sections 17.01 - 17.08 10 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A072	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 18 - Human Factors Engineering - Sections 18.01 - 18.14 17 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A073	V. C. Summer Nuclear Station Units 2 & 3 COLA (Final Safety Analysis Report) - FSAR Chapter 19 - Probabilistic Risk Assessment - Sections 19.01 - 19.59, Appendices 19A - 19F 78 Page(s)	Final Safety Analysis Report (FSAR) License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A079	V. C. Summer Nuclear Station Units 2 & 3 COLA (Proposed License Conditions and ITAAC) - Part 10, Proposed License Conditions and ITAAC 47 Page(s)	Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) License-Application	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/28/11	ML11181A008	Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA), Submittal of Roadmap of Changes for the June 28, 2011 Submittal of the COLA. 15 Page(s)	for Combined License (COLA) Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11181A009	Virgil C. Summer, Units 2 and 3 - Combined License Application - SCE&G Endorsement of Reference COLA (R-COLA) Supplemental Information in Support of 10 CFR Part 70 Special Nuclear Material License Application. 2 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A127	Virgil C. Summer Nuclear Station, Units 2 and 3 - Combined License Application (COLA) - Submittal of the Combined License Application, Including Revision 5 of the Final Safety Analysis Report (FSAR). 5 Page(s)	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A033	V. C. Summer Nuclear Station Units 2 & 3 COLA (General and Administrative Information) - Part 1, General and Administrative Information 15 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A075	V. C. Summer Nuclear Station Units 2 & 3 COLA (Technical Specifications) - Part 4, Technical Specifications for V.C. Summer Nuclear Station Units 2 and 3 851 Page(s)	License-Application for Combined License (COLA) Technical Specifications	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A083	V. C. Summer Nuclear Station Units 2 & 3 COLA (New Fuel Shipping Plan) - Part 17, New Fuel Shipping Plan 5 Page(s)	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
06/28/11	ML11187A085	V. C. Summer Nuclear Station Units 2 & 3 COLA (Supplemental Information) - Part 18, Supplemental Information in Support of 10 CFR Part 70 Special Nuclear Material License Application	License-Application for Combined License (COLA)	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028

Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
06/30/11	ML11182C033	3 Page(s) Virgil C. Summer, Units 1, 2, and 3, Regulatory Issue Summary, RIS 2011-04 Preparation and Scheduling of Operator Licensing Examinations. 3 Page(s)	Letter Schedule and Calendars	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRR	05000395 05200027 05200028
07/07/11	ML111880926	5 Page(s) Cancellation Of Quality Assurance Implementation Inspection Of South Carolina Electric & Gas Company V. C. Summer Units 2 And 3 Combined License Application.	Letter	NRC/NRO/DCIP/CQVB	South Carolina Electric & Gas Co	05200027 05200028
07/11/11	ML11194A005	4 Page(s) Virgil C. Summer, Units 2 and 3 Combined License Application, Response to SNC's Table of Standard Content Provided to the NRC in the Letter Dated 03/31/11 Endorsement of Vogtle R-COLA Standard Content.	Letter	South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
07/21/11	ML11206B263	2 Page(s) Virgil C. Summer, Units 2 and 3 - Wet Bulb Departure Conclusions.	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028
08/01/11	ML112030133	2 Page(s) Memo re: Safeguards Evaluation Report for V.C. Summer Special Nuclear material Physical Protection Plan.	Memoranda	NRC/NSIR/DSP/DDMS/FC TSB	NRC/NRO/DNRL	05200027 05200028
08/01/11	ML112030589	4 Page(s) Memo re: SER Transmittal Memo Summer July 2011.	Report, Miscellaneous	NRC/NSIR	NRC/NRO	05200027 05200028
08/01/11	ML112130191	29 Page(s) 8/17/2011 - Forthcoming Public Meeting To Discuss Issues Related To South Carolina Electric And Gas Combined License Application For Virgil C. Summer Units 2 And 3.	Meeting Agenda Meeting Notice	NRC/NRO/DNRL/NWE1	NRC/NRO/DNRL/ NWE1	05200027 05200028
08/02/11	ML111791577	11 Page(s) Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application - Revised Safety Review Schedule.	Letter Schedule and Calendars	NRC/NRO/DNRL/NWE1	South Carolina Electric & Gas Co	05200027 05200028



Document Date	Accession Number	Title & Estimated Page Count	Document Type	Author Affiliation	Addressee Affiliation	Docket Number
08/03/11	ML11216A219	Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 Combined License Application (COLA) - Docket Numbers 52-027 and 52-028 Update of Combined License Application Departure Report. 2 Page(s)	Letter	SCANA Corp South Carolina Electric & Gas Co	NRC/Document Control Desk NRC/NRO	05200027 05200028



## Appendix C – Requests for Additional Information

Throughout the course of the review of the V.C. Summer Nuclear Station (VCSNS) combined license (COL) application, the staff requested additional information (RAIs) of South Carolina Electric and Gas. The following is a list of these RAIs and the responses.

As noted in Section 1.2.3 of this report, a design-centered review approach (DCRA) was used in the review of the VCSNS COL application. The first COL application submitted for NRC staff review in a design center is designated as the reference COL (RCOL), and the subsequent applications in the design center are designated as subsequent COL (SCOL) applications. The Bellefonte Nuclear Plant (BLN) Units 3 and 4 COL application was originally designated as the RCOL application for the AP1000 design center, and the staff issued a safety evaluation report (SER) with open items that documented its review of both standard and site-specific information (for all chapters except Sections 3.7, 3.8, 13.6, 13.7, and 13.8 and Appendix 19A). The RCOL for the AP1000 COL design center switched from the Bellefonte COL application to the Vogtle COL application after the issuance of the Bellefonte SER with open items. The VCSNS COL application has been designated as an SCOL. Therefore, in addition to the list of RAIs that follows that are based on site-specific information, SCE&G had to endorse RAI responses from the RCOLs (both Bellefonte and Vogtle) that were determined to be standard to the AP1000 COL design center. The endorsement of these standard RAIs can be found in the following letters:

- Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information, dated May 12, 2009, ADAMS accession number ML091380157. This letter provides endorsement of standard responses that were provided in a Tennessee Valley Authority (TVA) letter dated October 24, 2008.
- Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information, dated May 12, 2009, ADAMS accession number ML091380164. This letter provides endorsement of standard responses that were provided in a TVA letter April 15, 2009, which supplements the TVA letter dated October 24, 2008.
- Endorsement of Bellefonte R-COLA Standard Content Request for Additional Information, dated January 20, 2010, ADAMS accession number ML100250431.
- Endorsement of Vogtle R-COLA Standard Content Request for Safety Evaluation Report Open Items, dated January 20, 2010, ADAMS accession number ML100250429.
- Endorsement of Vogtle R-COLA Standard Content Submittals dated August 25, 2011, ADAMS accession number ML102380466.
- Endorsement of Vogtle R-COLA Standard Content Submittals dated July, 11, 2011, ADAMS accession number ML11194A005.

The following notes pertain to the table on the proceeding pages:

- Question numbers were assigned based on the section of the standard review plan that was associated with the question (e.g., question 02.03.04-1 was generated based on the staff's review of the application against section 2.3.4 of the standard review plan).

- The NRC letter number is a unique number that was assigned to the letter that transmitted the RAIs to the applicant. If the RAI was not transmitted to the applicant by an NRC letter (e.g., the applicant provided a “voluntary submittal” to address questions from the staff or to inform the staff of changes to the application as a result of changes to the AP1000 design control document) then the applicant’s letter was added to the database for tracking purposes and assigned an RAI number. For these “tracking” RAIs, the RAI letter number is “0”.

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
01-1	9	01 - Introduction and Interfaces	12/16/08	<a href="#">ML083510180</a>	6/24/09	<a href="#">ML091760684</a>
01-2	9	01 - Introduction and Interfaces	12/16/08	<a href="#">ML083510180</a>	1/15/09	<a href="#">ML090210080</a>
01-3	45	01 - Introduction and Interfaces	4/27/09	<a href="#">ML091170723</a>	7/8/09	<a href="#">ML091940135</a>
01-4	55	01 - Introduction and Interfaces	7/14/09	<a href="#">ML091950421</a>	3/22/10	<a href="#">ML100840723</a>
01-5	0	01 - Introduction and Interfaces	5/19/10	<a href="#">ML101390203</a>	6/29/10	<a href="#">ML101820515</a>
01-6	0	01 - Introduction and Interfaces	6/25/10	<a href="#">ML101750589</a>	7/1/10	<a href="#">ML101830390</a>
02-1	0	02 - Site Characteristics and Site Parameters	7/2/10	N/A	7/2/10	<a href="#">ML101870657</a>
02.02.01-02.02.02-1	21	02.02.01-02.02.02 - Identification of Potential Hazards in Site Vicinity	1/22/09	<a href="#">ML090220303</a>	2/23/09	<a href="#">ML090580147</a>
02.02.01-02.02.02-2	21	02.02.01-02.02.02 - Identification of Potential Hazards in Site Vicinity	1/22/09	<a href="#">ML090220303</a>	2/23/09	<a href="#">ML090580147</a>
02.02.01-02.02.02-3	21	02.02.01-02.02.02 - Identification of Potential Hazards in Site Vicinity	1/22/09	<a href="#">ML090220303</a>	2/23/09	<a href="#">ML090580147</a>
02.02.01-02.02.02-4	21	02.02.01-02.02.02 - Identification of Potential Hazards in Site Vicinity	1/22/09	<a href="#">ML090220303</a>	2/23/09	<a href="#">ML090580147</a>
02.02.03-2	75	02.02.03 - Evaluation of Potential Accidents	12/3/09	<a href="#">ML093380633</a>	1/21/10	<a href="#">ML100260126</a>
02.02.03-3	75	02.02.03 - Evaluation of Potential Accidents	12/3/09	<a href="#">ML093380633</a>	1/21/10	<a href="#">ML100260126</a>
02.02.03-1	75	02.02.03 - Evaluation of Potential Accidents	12/3/09	<a href="#">ML093380633</a>	1/21/10	<a href="#">ML100260126</a>
02.03.01-2	48	02.03.01 - Regional Climatology	5/26/09	<a href="#">ML091460814</a>	6/24/09	<a href="#">ML091760682</a>
02.03.01-1	48	02.03.01 - Regional Climatology	5/26/09	<a href="#">ML091460814</a>	6/24/09	<a href="#">ML091760682</a>
02.03.01-3	48	02.03.01 - Regional Climatology	5/26/09	<a href="#">ML091460814</a>	6/24/09	<a href="#">ML091760682</a>
02.03.01-4	48	02.03.01 - Regional Climatology	5/26/09	<a href="#">ML091460814</a>	6/24/09	<a href="#">ML091760682</a>
02.03.01-5	48	02.03.01 - Regional Climatology	5/26/09	<a href="#">ML091460814</a>	6/24/09	<a href="#">ML091760682</a>
02.03.01-6	64	02.03.01 - Regional Climatology	9/9/09	<a href="#">ML092520659</a>	10/8/09	<a href="#">ML092860136</a>
02.03.01-7	64	02.03.01 - Regional Climatology	9/9/09	<a href="#">ML092520659</a>	10/8/09	<a href="#">ML092860136</a>
02.03.01-8	0	02.03.01 - Regional Climatology	3/26/09	<a href="#">ML100601271</a>	3/26/09	<a href="#">ML090970144</a>
02.03.01-9	0	02.03.01 - Regional Climatology	6/4/10	<a href="#">ML101540349</a>	6/21/10	<a href="#">ML101740234</a>
02.03.02-1	50	02.03.02 - Local Meteorology	6/19/09	<a href="#">ML091700775</a>	7/20/09	<a href="#">ML092040113</a>
02.03.02-2	50	02.03.02 - Local Meteorology	6/19/09	<a href="#">ML091700775</a>	7/20/09	<a href="#">ML092040113</a>
02.03.02-3	50	02.03.02 - Local Meteorology	6/19/09	<a href="#">ML091700775</a>	3/17/10	<a href="#">ML100780392</a>
02.03.03-1	49	02.03.03 - Onsite Meteorological Measurements	6/19/09	<a href="#">ML091700774</a>	12/1/09	<a href="#">ML093370161</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.03.03-2	49	Programs 02.03.03 - Onsite Meteorological Measurements	6/19/09	<a href="#">ML091700774</a>	7/30/09	<a href="#">ML092180280</a>
02.03.04-1	51	Programs 02.03.04 - Short Term Atmospheric Dispersion	6/19/09	<a href="#">ML091700848</a>	7/20/09	<a href="#">ML092050343</a>
02.03.04-2	65	Estimates for Accident Releases 02.03.04 - Short Term Atmospheric Dispersion	9/9/09	<a href="#">ML092520660</a>	9/30/09	<a href="#">ML092780045</a>
02.03.05-2	65	Estimates for Accident Releases 02.03.05 - Long-Term Atmospheric Dispersion	9/9/09	<a href="#">ML092520660</a>	9/30/09	<a href="#">ML092780045</a>
02.03.05-1	65	Estimates for Routine Releases 02.03.05 - Long-Term Atmospheric Dispersion	9/9/09	<a href="#">ML092520660</a>	9/30/09	<a href="#">ML092780045</a>
02.04.02-1	43	Estimates for Routine Releases 02.04.02 - Floods	4/7/09	<a href="#">ML090970039</a>	4/1/10	<a href="#">ML100960022</a>
02.04.02-2	63	02.04.02 - Floods	9/9/09	<a href="#">ML092520591</a>	10/8/09	<a href="#">ML092860140</a>
02.04.12-1	41	02.04.12 - Groundwater	4/3/09	<a href="#">ML090910337</a>	5/1/09	<a href="#">ML091270890</a>
02.04.12-6	41	02.04.12 - Groundwater	4/3/09	<a href="#">ML090910337</a>	6/22/10	<a href="#">ML101760188</a>
02.04.12-2	41	02.04.12 - Groundwater	4/3/09	<a href="#">ML090910337</a>	5/1/09	<a href="#">ML091270890</a>
02.04.12-3	41	02.04.12 - Groundwater	4/3/09	<a href="#">ML090910337</a>	5/1/09	<a href="#">ML091270890</a>
02.04.12-4	41	02.04.12 - Groundwater	4/3/09	<a href="#">ML090910337</a>	5/1/09	<a href="#">ML091270890</a>
02.04.12-5	41	02.04.12 - Groundwater	4/3/09	<a href="#">ML090910337</a>	5/1/09	<a href="#">ML091270890</a>
02.04.13-1	16	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	1/22/09	<a href="#">ML090220057</a>	2/18/09	<a href="#">ML090540467</a>
02.04.13-8	44	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	4/7/09	<a href="#">ML090970040</a>	5/7/09	<a href="#">ML091340664</a>
02.04.13-2	44	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	4/7/09	<a href="#">ML090970040</a>	6/24/09	<a href="#">ML091761020</a>
02.04.13-3	44	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	4/7/09	<a href="#">ML090970040</a>	5/7/09	<a href="#">ML091340664</a>
02.04.13-4	44	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	4/7/09	<a href="#">ML090970040</a>	5/7/09	<a href="#">ML091340664</a>
02.04.13-5	44	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	4/7/09	<a href="#">ML090970040</a>	5/7/09	<a href="#">ML091340664</a>
02.04.13-6	44	02.04.13 - Accidental Releases of Radioactive Liquid Effluents in Ground and Surface Waters	4/7/09	<a href="#">ML090970040</a>	5/7/09	<a href="#">ML091340664</a>
02.04.13-7	44	02.04.13 - Accidental Releases of Radioactive Liquid	4/7/09	<a href="#">ML090970040</a>	5/7/09	<a href="#">ML091340664</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.04.13-9	63	Effluents in Ground and Surface Waters 02.04.13 - Accidental Releases of Radioactive Liquid	9/9/09	<a href="#">ML092520591</a>	10/8/09	<a href="#">ML092860140</a>
02.04.13-10	63	Effluents in Ground and Surface Waters 02.04.13 - Accidental Releases of Radioactive Liquid	9/9/09	<a href="#">ML092520591</a>	10/8/09	<a href="#">ML092860140</a>
02.04.13-11	63	Effluents in Ground and Surface Waters 02.04.13 - Accidental Releases of Radioactive Liquid	9/9/09	<a href="#">ML092520591</a>	10/8/09	<a href="#">ML092860140</a>
02.04.13-12	63	Effluents in Ground and Surface Waters 02.04.13 - Accidental Releases of Radioactive Liquid	9/9/09	<a href="#">ML092520591</a>	10/8/09	<a href="#">ML092860140</a>
02.04.13-13	0	Effluents in Ground and Surface Waters 02.04.13 - Accidental Releases of Radioactive Liquid	1/4/10	N/A	1/4/10	<a href="#">ML100260810</a>
02.04.13-14	0	Effluents in Ground and Surface Waters 02.04.13 - Accidental Releases of Radioactive Liquid	4/1/10	N/A	4/1/10	<a href="#">ML100960022</a>
02.05.01-2	33	Effluents in Ground and Surface Waters 02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-1	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-8	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-9	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-3	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-4	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-5	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-6	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-7	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-10	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-11	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-12	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-13	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-14	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-15	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-16	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-17	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-18	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-22	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-23	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.05.01-24	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-25	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-26	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-27	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-28	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-19	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-20	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-21	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-30	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-31	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-29	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-32	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-33	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-38	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-39	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-40	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-41	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	3/16/09	<a href="#">ML090780416</a>
02.05.01-43	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-44	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-34	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-35	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-42	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-45	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-46	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-36	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-37	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-47	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-48	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	5/6/09	<a href="#">ML091350202</a>
02.05.01-49	33	02.05.01 - Basic Geologic and Seismic Information	2/12/09	<a href="#">ML090430362</a>	4/15/09	<a href="#">ML091110028</a>
02.05.01-50	58	02.05.01 - Basic Geologic and Seismic Information	7/15/09	<a href="#">ML091960451</a>	8/7/09	<a href="#">ML092230167</a>



Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.05.01-51	58	02.05.01 - Basic Geologic and Seismic Information	7/15/09	<a href="#">ML091960451</a>	8/7/09	<a href="#">ML092230167</a>
02.05.01-52	58	02.05.01 - Basic Geologic and Seismic Information	7/15/09	<a href="#">ML091960451</a>	8/7/09	<a href="#">ML092230167</a>
02.05.01-53	58	02.05.01 - Basic Geologic and Seismic Information	7/15/09	<a href="#">ML091960451</a>	8/7/09	<a href="#">ML092230167</a>
02.05.01-54	58	02.05.01 - Basic Geologic and Seismic Information	7/15/09	<a href="#">ML091960451</a>	8/7/09	<a href="#">ML092230167</a>
02.05.01-55	58	02.05.01 - Basic Geologic and Seismic Information	7/15/09	<a href="#">ML091960451</a>	8/7/09	<a href="#">ML092230167</a>
02.05.02-3	2	02.05.02 - Vibratory Ground Motion	9/19/08	<a href="#">ML082630058</a>	10/17/08	<a href="#">ML082970561</a>
02.05.02-2	2	02.05.02 - Vibratory Ground Motion	9/19/08	<a href="#">ML082630058</a>	10/17/08	<a href="#">ML082970561</a>
02.05.02-1	1	02.05.02 - Vibratory Ground Motion	9/4/08	<a href="#">ML082480607</a>	10/2/08	<a href="#">ML082820349</a>
02.05.02-4	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-5	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-6	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	4/29/09	<a href="#">ML091270535</a>
02.05.02-7	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-8	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-9	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-10	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-11	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-12	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-13	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-14	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-16	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-14	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-16	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-17	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	3/12/09	<a href="#">ML090820172</a>
02.05.02-18	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	4/29/09	<a href="#">ML091270535</a>
02.05.02-19	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	4/29/09	<a href="#">ML091270535</a>
02.05.02-15	30	02.05.02 - Vibratory Ground Motion	2/10/09	<a href="#">ML090410453</a>	4/29/09	<a href="#">ML091270535</a>
02.05.02-21	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	8/31/09	<a href="#">ML092450705</a>
02.05.02-22	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	8/31/09	<a href="#">ML092450705</a>
02.05.02-23	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	8/31/09	<a href="#">ML092450705</a>
02.05.02-24	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	8/31/09	<a href="#">ML092450705</a>
02.05.02-25	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	8/31/09	<a href="#">ML092450705</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.05.02-26	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	8/31/09	<a href="#">ML092450705</a>
02.05.02-20	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	9/11/09	<a href="#">ML092590606</a>
02.05.02-27	60	02.05.02 - Vibratory Ground Motion	7/30/09	<a href="#">ML092110714</a>	9/11/09	<a href="#">ML092590606</a>
02.05.03-1	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.03-2	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.03-3	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.03-4	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.03-5	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.03-7	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.03-6	34	02.05.03 - Surface Faulting	2/12/09	<a href="#">ML090430363</a>	5/13/09	<a href="#">ML091380165</a>
02.05.04-3	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	4/29/09	<a href="#">ML091250346</a>
02.05.04-1	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	3/12/09	<a href="#">ML090770889</a>
02.05.04-2	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	3/12/09	<a href="#">ML090770889</a>
02.05.04-6	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	4/29/09	<a href="#">ML091250346</a>
02.05.04-4	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	4/29/09	<a href="#">ML091250346</a>
02.05.04-5	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	3/12/09	<a href="#">ML090770889</a>
02.05.04-7	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	3/12/09	<a href="#">ML090770889</a>
02.05.04-8	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	4/29/09	<a href="#">ML091250346</a>
02.05.04-9	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	4/29/09	<a href="#">ML091250346</a>
02.05.04-10	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	3/12/09	<a href="#">ML090770889</a>
02.05.04-15	32	02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-11	31	02.05.04 - Stability of Subsurface Materials and Foundations	2/10/09	<a href="#">ML090410454</a>	4/29/09	<a href="#">ML091250346</a>
02.05.04-13	32	02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	4/29/09	<a href="#">ML091250347</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.05.04-14	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-16	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-18	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-17	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-22	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-26	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-27	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-19	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-20	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	4/29/09	<a href="#">ML091250347</a>
02.05.04-21	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-23	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-24	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/27/09	<a href="#">ML090920228</a>
02.05.04-25	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	4/29/09	<a href="#">ML091250347</a>
02.05.04-29	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	4/29/09	<a href="#">ML091250347</a>
02.05.04-30	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	4/29/09	<a href="#">ML091250347</a>
02.05.04-31	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/27/09	<a href="#">ML090920228</a>
02.05.04-32	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/27/09	<a href="#">ML090920228</a>
02.05.04-28	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
02.05.04-12	32	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	2/12/09	<a href="#">ML090430335</a>	3/16/09	<a href="#">ML090780420</a>
02.05.04-35	56	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	7/9/09	<a href="#">ML091900233</a>	8/7/09	<a href="#">ML092230166</a>
02.05.04-34	56	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	7/9/09	<a href="#">ML091900233</a>	8/7/09	<a href="#">ML092230166</a>
02.05.04-36	56	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	7/9/09	<a href="#">ML091900233</a>	6/24/10	<a href="#">ML101790462</a>
02.05.04-37	56	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	7/9/09	<a href="#">ML091900233</a>	8/7/09	<a href="#">ML092230166</a>
02.05.04-38	56	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	7/9/09	<a href="#">ML091900233</a>	8/7/09	<a href="#">ML092230166</a>
02.05.04-33	53	Foundations 02.05.04 - Stability of Subsurface Materials and Foundations	6/26/09	<a href="#">ML091770574</a>	7/23/09	<a href="#">ML092110479</a>
03.05.01.04-1	28	03.05.01.04 - Missiles Generated by Tornadoes and Extreme Winds	2/25/09	<a href="#">ML090570006</a>	4/28/09	<a href="#">ML091200392</a>
03.05.01.04-2	54	03.05.01.04 - Missiles Generated by Tornadoes and Extreme Winds	7/7/09	<a href="#">ML091880879</a>	10/11/10	<a href="#">ML102870123</a>
03.05.01.05-1	52	03.05.01.05 - Site Proximity Missiles (Except Aircraft)	6/26/09	<a href="#">ML091770542</a>	7/23/09	<a href="#">ML092080086</a>
03.05.01.06-1	20	03.05.01.06 - Aircraft Hazards	1/22/09	<a href="#">ML090220301</a>	2/20/09	<a href="#">ML090550129</a>
03.07.01-1	38	03.07.01 - Seismic Design Parameters	3/23/09	<a href="#">ML090820529</a>	4/30/09	<a href="#">ML091240404</a>
03.07.01-2	0	03.07.01 - Seismic Design Parameters	6/16/10	<a href="#">ML101610425</a>	7/2/10	<a href="#">ML101870656</a>
03.07.02-1	35	03.07.02 - Seismic System Analysis	2/24/09	<a href="#">ML090550932</a>	4/28/09	<a href="#">ML091200391</a>
06.02.01-1	79	06.02.01 - Containment Functional Design	3/30/10	<a href="#">ML100890600</a>	7/8/10	<a href="#">ML101940185</a>
06.02.02-1	0	06.02.02 - Containment Heat Removal Systems	7/21/11	N/A	7/21/11	<a href="#">ML11206B263</a>
06.04-2	24	06.04 - Control Room Habitability System	1/22/09	<a href="#">ML090220636</a>	8/7/09	<a href="#">ML092230163</a>
06.04-1	24	06.04 - Control Room Habitability System	1/22/09	<a href="#">ML090220636</a>	2/23/09	<a href="#">ML090580153</a>
06.04-3	47	06.04 - Control Room Habitability System	4/30/09	<a href="#">ML091200165</a>	6/1/09	<a href="#">ML091550369</a>
06.04-4	0	06.04 - Control Room Habitability System	6/29/10	N/A	6/29/10	<a href="#">ML101820295</a>
06.04-5	0	06.04 - Control Room Habitability System	6/24/10	N/A	6/24/10	<a href="#">ML101790461</a>
07.01-1	0	07.01 - Instrumentation and Controls - Introduction	8/5/10	N/A	8/5/10	<a href="#">ML102210128</a>
07.05-1	4	07.05 - Information Systems Important to Safety	11/18/08	<a href="#">ML083230862</a>	1/28/09	<a href="#">ML090330153</a>
08.01-1	8	08.01 - Electric Power - Introduction	1/21/09	<a href="#">ML090210168</a>	2/10/09	<a href="#">ML090440219</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
08.02-2	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-3	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-1	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-4	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-5	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-6	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-7	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-8	14	08.02 - Offsite Power System	1/21/09	<a href="#">ML090210231</a>	2/17/09	<a href="#">ML090540524</a>
08.02-9	59	08.02 - Offsite Power System	7/24/09	<a href="#">ML092050459</a>	7/30/09	<a href="#">ML092160217</a>
09.02.01-3	27	09.02.01 - Station Service Water System	1/27/09	<a href="#">ML090270655</a>	3/4/09	<a href="#">ML090680360</a>
09.02.01-4	27	09.02.01 - Station Service Water System	1/27/09	<a href="#">ML090270655</a>	3/4/09	<a href="#">ML090680360</a>
09.02.01-1	15	09.02.01 - Station Service Water System	1/21/09	<a href="#">ML090210286</a>	2/18/09	<a href="#">ML090540464</a>
09.02.01-2	27	09.02.01 - Station Service Water System	1/27/09	<a href="#">ML090270655</a>	3/4/09	<a href="#">ML090680360</a>
09.02.01-5	27	09.02.01 - Station Service Water System	1/27/09	<a href="#">ML090270655</a>	3/4/09	<a href="#">ML090680360</a>
09.02.01-8	61	09.02.01 - Station Service Water System	8/17/09	<a href="#">ML092290947</a>	9/16/09	<a href="#">ML092640641</a>
09.02.01-6	61	09.02.01 - Station Service Water System	8/17/09	<a href="#">ML092290947</a>	9/16/09	<a href="#">ML092640641</a>
09.02.01-7	61	09.02.01 - Station Service Water System	8/17/09	<a href="#">ML092290947</a>	10/16/09	<a href="#">ML092930124</a>
09.02.02-1	81	09.02.02 - Reactor Auxiliary Cooling Water Systems	4/20/10	<a href="#">ML101100170</a>	7/8/10	<a href="#">ML101940185</a>
09.02.04-1	42	09.02.04 - Potable and Sanitary Water Systems	4/2/09	<a href="#">ML090921040</a>	5/4/09	<a href="#">ML091280031</a>
09.02.04-2	57	09.02.04 - Potable and Sanitary Water Systems	7/9/09	<a href="#">ML091900526</a>	8/6/09	<a href="#">ML092230168</a>
09.03.03-1	80	09.03.03 - Equipment and Floor Drainage System	3/31/10	<a href="#">ML100900036</a>	4/27/10	<a href="#">ML101200572</a>
09.04.01-1	22	09.04.01 - Control Room Area Ventilation System	1/22/09	<a href="#">ML090220620</a>	1/28/09	<a href="#">ML090330154</a>
09.05.01-1	5	09.05.01 - Fire Protection Program	12/1/08	<a href="#">ML083360318</a>	12/22/08	<a href="#">ML083650125</a>
09.05.01-2	6	09.05.01 - Fire Protection Program	12/1/08	<a href="#">ML083360348</a>	12/22/08	<a href="#">ML083650126</a>
09.05.02-1	23	09.05.02 - Communications Systems	1/22/09	<a href="#">ML090220623</a>	2/23/09	<a href="#">ML090580152</a>
09.05.02-2	23	09.05.02 - Communications Systems	1/22/09	<a href="#">ML090220623</a>	6/24/09	<a href="#">ML091760685</a>
09.05.02-3	23	09.05.02 - Communications Systems	1/22/09	<a href="#">ML090220623</a>	6/24/09	<a href="#">ML091760685</a>
09.05.02-4	23	09.05.02 - Communications Systems	1/22/09	<a href="#">ML090220623</a>	6/24/09	<a href="#">ML091760685</a>
09.05.02-5	23	09.05.02 - Communications Systems	1/22/09	<a href="#">ML090220623</a>	6/24/09	<a href="#">ML091760685</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
09.05.02-6	23	09.05.02 - Communications Systems	1/22/09	<a href="#">ML090220623</a>	6/24/09	<a href="#">ML091760685</a>
09.05.02-9	73	09.05.02 - Communications Systems	11/30/09	<a href="#">ML093340144</a>	4/1/10	<a href="#">ML100960107</a>
09.05.02-7	73	09.05.02 - Communications Systems	11/30/09	<a href="#">ML093340144</a>	4/1/10	<a href="#">ML100960107</a>
09.05.02-8	73	09.05.02 - Communications Systems	11/30/09	<a href="#">ML093340144</a>	4/1/10	<a href="#">ML100960107</a>
09.05.02-10	73	09.05.02 - Communications Systems	11/30/09	<a href="#">ML093340144</a>	4/1/10	<a href="#">ML100960107</a>
10.04.05-1	29	10.04.05 - Circulating Water System	2/6/09	<a href="#">ML090370509</a>	2/18/09	<a href="#">ML090540466</a>
11.02-2	17	11.02 - Liquid Waste Management System	1/22/09	<a href="#">ML090220058</a>	2/23/09	<a href="#">ML090580151</a>
11.02-1	17	11.02 - Liquid Waste Management System	1/22/09	<a href="#">ML090220058</a>	2/23/09	<a href="#">ML090580151</a>
11.02-3	17	11.02 - Liquid Waste Management System	1/22/09	<a href="#">ML090220058</a>	2/23/09	<a href="#">ML090580151</a>
11.03-1	18	11.03 - Gaseous Waste Management System	1/22/09	<a href="#">ML090220059</a>	2/23/09	<a href="#">ML090580149</a>
11.03-2	18	11.03 - Gaseous Waste Management System	1/22/09	<a href="#">ML090220059</a>	2/23/09	<a href="#">ML090580149</a>
11.03-3	68	11.03 - Gaseous Waste Management System	10/13/09	<a href="#">ML092870052</a>	11/13/09	<a href="#">ML093220098</a>
11.03-4	0	11.03 - Gaseous Waste Management System	4/25/11	N/A	4/25/11	<a href="#">ML11115A177</a>
12.03-12.04-1	25	12.03-12.04 - Radiation Protection Design Features	1/23/09	<a href="#">ML090230363</a>	2/18/09	<a href="#">ML090540465</a>
12.03-12.04-2	25	12.03-12.04 - Radiation Protection Design Features	1/23/09	<a href="#">ML090230363</a>	2/18/09	<a href="#">ML090540465</a>
12.03-12.04-3	72	12.03-12.04 - Radiation Protection Design Features	3/4/10	<a href="#">ML100110072</a>	4/27/10	<a href="#">ML101200573</a>
12.03-12.04-4	0	12.03-12.04 - Radiation Protection Design Features	7/8/10	N/A	7/8/10	<a href="#">ML101940028</a>
13.01.01-5	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.01-1	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.01-2	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.01-3	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.01-4	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.01-6	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.01-7	39	13.01.01 - Management and Technical Support Organization	3/27/09	<a href="#">ML090850624</a>	5/14/09	<a href="#">ML091390568</a>
13.01.02-13.01.03-1	40	13.01.02-13.01.03 - Operating Organization	3/27/09	<a href="#">ML090850626</a>	5/14/09	<a href="#">ML091390052</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
13.03-1	7	13.03 - Emergency Planning	12/2/08	<a href="#">ML083370535</a>	12/22/08	<a href="#">ML0833650124</a>
13.03-2	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-11	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-3	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-4	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-12	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-5	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-6	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-7	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-8	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-9	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-10	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-13	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-14	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-15	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-16	13	13.03 - Emergency Planning	1/6/09	<a href="#">ML090060788</a>	2/5/09	<a href="#">ML090490629</a>
13.03-17	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-18	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-21	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-22	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-23	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-24	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-26	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-25	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-19	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-20	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-29	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-30	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-31	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-32	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
13.03-33	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-27	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-28	36	13.03 - Emergency Planning	3/4/09	<a href="#">ML090640118</a>	5/8/09	<a href="#">ML091350103</a>
13.03-34	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-37	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-38	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-39	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-40	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-41	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-42	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-43	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-35	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-36	62	13.03 - Emergency Planning	8/27/09	<a href="#">ML092400087</a>	9/28/09	<a href="#">ML092740384</a>
13.03-44	74	13.03 - Emergency Planning	12/2/09	<a href="#">ML093360626</a>	3/3/10	<a href="#">ML100630822</a>
13.03-47	78	13.03 - Emergency Planning	3/23/10	<a href="#">ML100820122</a>	5/18/10	<a href="#">ML101400364</a>
13.03-48	78	13.03 - Emergency Planning	3/23/10	<a href="#">ML100820122</a>	5/18/10	<a href="#">ML101400364</a>
13.03-45	78	13.03 - Emergency Planning	3/23/10	<a href="#">ML100820122</a>	5/18/10	<a href="#">ML101400364</a>
13.03-46	78	13.03 - Emergency Planning	3/23/10	<a href="#">ML100820122</a>	5/18/10	<a href="#">ML101400364</a>
13.03-49	78	13.03 - Emergency Planning	3/23/10	<a href="#">ML100820122</a>	5/18/10	<a href="#">ML101400364</a>
13.03-50	78	13.03 - Emergency Planning	3/23/10	<a href="#">ML100820122</a>	7/27/10	<a href="#">ML102110183</a>
13.03-51	0	13.03 - Emergency Planning	8/11/10	N/A	8/11/10	<a href="#">ML102280570</a>
13.03-52	0	13.03 - Emergency Planning	8/24/10	N/A	8/24/10	<a href="#">ML102380467</a>
13.03-53	0	13.03 - Emergency Planning	8/24/10	N/A	8/24/10	<a href="#">ML102380467</a>
13.03-54	0	13.03 - Emergency Planning	8/24/10	N/A	8/24/10	<a href="#">ML102380467</a>
13.03-55	0	13.03 - Emergency Planning	8/11/10	N/A	8/11/10	<a href="#">ML102280571</a>
13.03-56	0	13.03 - Emergency Planning	11/16/10	N/A	11/16/10	<a href="#">ML103220146</a>
13.03-57	0	13.03 - Emergency Planning	6/28/11	N/A	6/28/11	<a href="#">ML11181A010</a>
13.06-1	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-18	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	10/19/09	<a href="#">ML092940353</a>
13.06-9	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	10/19/09	<a href="#">ML092940353</a>



Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
13.06-10	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	10/19/09	<a href="#">ML092940353</a>
13.06-15	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-16	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	10/19/09	<a href="#">ML092940353</a>
13.06-17	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-19	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	10/19/09	<a href="#">ML092940353</a>
13.06-2	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	10/19/09	<a href="#">ML092940353</a>
13.06-4	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-20	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-3	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-7	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-8	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	3/22/10	<a href="#">ML100840722</a>
13.06-11	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-5	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-6	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-12	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-13	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06-14	67	13.06 - Physical Security	9/15/09	<a href="#">ML092600652</a>	12/1/09	<a href="#">ML093370159</a>
13.06.01-11	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-12	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-4	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-5	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-6	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-7	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-8	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>
13.06.01-10	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100840722</a>
13.06.01-15	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100840722</a>
13.06.01-9	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100840722</a>
13.06.01-13	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	7/1/10	<a href="#">ML101880711</a>
13.06.01-14	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100840722</a>
13.06.01-16	77	13.06.01 - Physical Security - Combined License	2/19/10	<a href="#">ML100500613</a>	3/23/10	<a href="#">ML100850203</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
13.06.01-1	76	13.07 - Fitness for Duty (Future SRP Section)	2/12/10	<a href="#">ML100430262</a>	3/15/10	<a href="#">ML100770085</a>
13.06.01-2	76	13.07 - Fitness for Duty (Future SRP Section)	2/12/10	<a href="#">ML100430262</a>	3/15/10	<a href="#">ML100770085</a>
13.06.01-3	76	13.07 - Fitness for Duty (Future SRP Section)	2/12/10	<a href="#">ML100430262</a>	7/1/10	<a href="#">ML101830371</a>
13.06.01-17	83	13.06.01 - Physical Security - Combined License	4/28/10	<a href="#">ML101180029</a>	5/19/10	<a href="#">ML101450126</a>
14.02-1	10	14.02 - Initial Plant Test Program - Design Certification and New License Applicants	12/16/08	<a href="#">ML083540818</a>	1/14/09	<a href="#">ML090210079</a>
15.00.03-1	3	15.00.03 - Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors	10/23/08	<a href="#">ML082970015</a>	11/19/08	<a href="#">ML083290464</a>
17.01-2	11	17.01 - Quality Assurance During the Design and Construction Phases 07/1981	12/31/08	<a href="#">ML090080255</a>	2/2/09	<a href="#">ML090360527</a>
17.01-1	11	17.01 - Quality Assurance During the Design and Construction Phases 07/1981	12/31/08	<a href="#">ML090080255</a>	7/2/09	<a href="#">ML091880208</a>
17.01-4	11	17.01 - Quality Assurance During the Design and Construction Phases 07/1981	12/31/08	<a href="#">ML090080255</a>	2/2/09	<a href="#">ML090360527</a>
17.01-3	11	17.01 - Quality Assurance During the Design and Construction Phases 07/1981	12/31/08	<a href="#">ML090080255</a>	2/2/09	<a href="#">ML090360527</a>
17.01-5	0	17.01 - Quality Assurance During the Design and Construction Phases 07/1981	5/24/10	N/A	5/24/10	<a href="#">ML101470214</a>
17.5-5	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	2/2/09	<a href="#">ML090360524</a>
17.5-4	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	2/2/09	<a href="#">ML090360524</a>
17.5-3	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	2/2/09	<a href="#">ML090360524</a>
17.5-2	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	2/2/09	<a href="#">ML090360524</a>
17.5-1	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	2/2/09	<a href="#">ML090360524</a>
17.5-6	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	12/1/09	<a href="#">ML093380648</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
17.5-7	12	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	12/31/08	<a href="#">ML090080391</a>	5/24/10	<a href="#">ML101470214</a>
17.5-8	26	17.5 - Quality Assurance Program Description - Design Certification, Early Site Permit and New License Applicants	1/26/09	<a href="#">ML090270252</a>	2/13/09	<a href="#">ML090490092</a>
18-1	37	18 - Human Factors Engineering	3/4/09	<a href="#">ML090640119</a>	4/30/09	<a href="#">ML091240406</a>
18-2	0	18 - Human Factors Engineering	9/7/10	N/A	9/7/10	<a href="#">ML102530308</a>
19-1	19	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	1/22/09	<a href="#">ML090220060</a>	7/14/09	<a href="#">ML091980038</a>
19-2	19	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	1/22/09	<a href="#">ML090220060</a>	2/23/09	<a href="#">ML090580148</a>
19-4	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-3	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-7	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-8	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-9	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-10	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-11	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-12	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-5	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-13	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-16	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-17	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
19-18	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-19	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-14	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-6	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-15	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-24	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-20	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-21	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-23	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-22	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-31	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-25	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-26	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	12/2/09	<a href="#">ML093380711</a>
19-27	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-28	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-32	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-33	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-34	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-35	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
19-36	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-37	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-38	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-39	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-40	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-41	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-42	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-43	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-44	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-29	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-30	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-45	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-46	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-47	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-48	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-50	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-49	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-51	70	19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
19-52	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-53	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-54	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-56	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-57	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-58	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-59	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-55	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-60	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-62	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-63	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-61	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	10/11/10	<a href="#">ML102870122</a>
19-64	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-65	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-66	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-67	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>
19-68	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-69	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe Accident Evaluation	10/21/09	<a href="#">ML092950224</a>	11/20/09	<a href="#">ML093290049</a>

Question Number	NRC Letter Number:	SRP Section Title	RAI Issued:	RAI Accession	RAI Response:	Response Accession No
19-70	70	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092950224</a>	5/19/10	<a href="#">ML101450121</a>
19-74	69	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092990304</a>	11/20/09	<a href="#">ML093290049</a>
19-75	69	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092990304</a>	11/20/09	<a href="#">ML093290049</a>
19-71	69	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092990304</a>	11/20/09	<a href="#">ML093290049</a>
19-72	69	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092990304</a>	11/20/09	<a href="#">ML093290049</a>
19-73	69	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092990304</a>	11/20/09	<a href="#">ML093290049</a>
19-76	69	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/21/09	<a href="#">ML092990304</a>	11/20/09	<a href="#">ML093290049</a>
19-78	71	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	11/4/09	<a href="#">ML093070467</a>	10/4/10	<a href="#">ML102800187</a>
19-81	71	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	11/4/09	<a href="#">ML093070467</a>	10/4/10	<a href="#">ML102800187</a>
19-77	71	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	11/4/09	<a href="#">ML093070467</a>	12/2/09	<a href="#">ML093380644</a>
19-79	71	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	11/4/09	<a href="#">ML093070467</a>	12/2/09	<a href="#">ML093380644</a>
19-80	71	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	11/4/09	<a href="#">ML093070467</a>	12/2/09	<a href="#">ML093380644</a>
19-83	82	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	4/23/10	<a href="#">ML101180370</a>	5/19/10	<a href="#">ML101450124</a>
19-82	82	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	4/23/10	<a href="#">ML101180370</a>	5/19/10	<a href="#">ML101450124</a>
19-84	0	Accident Evaluation 19 - Probabilistic Risk Assessment and Severe	10/4/10	<a href="#">N/A</a>	10/4/10	<a href="#">ML102850210</a>
19-03-1	0	Accident Evaluation 19.03 - Large Area Fires (Future SRP Section)	11/8/10	<a href="#">N/A</a>	11/8/10	<a href="#">ML103140614</a>





## APPENDIX D. REFERENCES

### American National Standards Institute (ANSI)

— — — — —, ANSI B30.2, “Overhead and Gantry Cranes”

— — — — —, ANSI B30.9, “Slings”

— — — — —, ANSI N13.5-1972, “Performance Specifications for Direct Reading and Indirect Reading Pocket Dosimeters for X- and Gamma Radiation”

— — — — —, ANSI N13.27-1981, “Performance Specifications for Pocket-Sized Alarming Dosimeters/Ratemeters”

— — — — —, ANSI N14.6, “Special Lifting Devices for Shipping Containers Weighing 10,000 Pounds or More”

— — — — —, ANSI N18.7, “Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants”

— — — — —, ANSI N322-1997, “ANSI Test, Construction, and Performance Requirements for Direct Reading Electrostatic/Electroscope Type Dosimeters”

— — — — —, ANSI N323A-1997, “Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments”

— — — — —, ANSI N42.17A-1989, “Performance Specifications for Health Physics Instrumentation—Portable Instrumentation for Use in Normal Environmental Conditions”

— — — — —, ANSI N42.18, “Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents”

### American National Standards Institute / American Nuclear Society (ANSI / ANS)

— — — — —, ANSI/ANS 2.8-1992, “Determining Design Basis Flooding at Power Reactor Sites”

— — — — —, ANSI/ANS 3.1-1993, “American National Standard for Selection, Qualification, and Training of Personnel for Nuclear Power Plants”

— — — — —, ANSI/ANS 57.1-1992, “Design Requirements for LWR Fuel Handling Systems”

### American National Standards Institute / Health Physics Society (ANSI / HPS)

— — — — —, ANSI/HPS N13.1, “Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities”

## **American National Standards Institute/Instrument Society of America (ANSI / ISA)**

— — — — —, ANSI/ISA-7.3-1981, "Quality Standard for Instrument Air"

— — — — —, ANSI/ISA Standard 67.04-2000, "Setpoints for Nuclear Safety-Related Instrumentation"

## **American Nuclear Society/International Standardization Organization/International Electrotechnical Commission (ANS/ISO/IEC)**

— — — — —, ANS/ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories"

## **American Society of Civil Engineers and Structural Engineering Institute (ASCE/SEI)**

— — — — —, ASCE/SEI Standard 7-02, "Minimum Design Loads for Buildings and Other Structures"

## **American Society of Mechanical Engineers (ASME)**

### *ASME Code Cases*

— — — — —, ASME N-729-1 (N-729-1), "Alternative Examination Requirements for Pressurized-Water Reactor (PWR) Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds"

### *Other ASME Documents*

— — — — —, ASME AG-1-1997, "Code on Nuclear Air and Gas Treatment"

— — — — —, ASME B31.1, "Power Piping"

— — — — —, ASME N509-1989, "Nuclear Power Plant Air-Cleaning Units and Components"

— — — — —, ASME N510-1989, "Testing of Nuclear Air-Treatment Systems"

— — — — —, ASME NOG-1, "Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)"

— — — — —, ASME OM Code OMN-1, "Alternative Rules for the Preservice and Inservice Testing of Certain Electric Motor-Operated Valve Assemblies in Light Water Reactor Power Plants"

— — — — —, ASME OM Code OMN-11, "Risk-Informed Testing of Motor-Operated Valves"

— — — — —, ASME Standard NQA-1-1994, “Quality Assurance Requirements for Nuclear Facility Applications”

— — — — —, ASME QME-1-2007, “Qualification of Active Mechanical Equipment Used in Nuclear Power Plants”

### **American Society of Testing and Materials (ASTM)**

— — — — —, ASTM D975, “Standard Specification for Diesel Fuel Oils”

— — — — —, ASTM D3359, “Test Methods for Measuring Adhesion by Tape Test”

— — — — —, ASTM D3911-03, “Standard Test Method for Evaluating Coatings Used in Light Water Nuclear Power Plants at Simulated Design Basis Accident (DBA) Conditions”

— — — — —, ASTM D4176, “Standard Test Method for Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures)”

— — — — —, ASTM D4541, “Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers”

— — — — —, ASTM D5144-08, “Standard Guide for Use of Protective Coating Standards in Nuclear Power Plants”

— — — — —, ASTM D5163-05a, “Standard Guide for Establishing Procedures to Monitor the Performance of Coating Service Level I Coating Systems in an Operating Nuclear Power Plant”

— — — — —, ASTM D7167-05, “Standard Guide for Establishing Procedures to Monitor the Performance of Safety-Related Coating Service Level III Lining

— — — — —, ASTM E-185 Annual Book of ASTM Standards, Part 30

### **Electric Power Research Institute (EPRI)**

— — — — —, NP-4354, “Large Scale Hydrogen Burn Equipment Experiments”

— — — — —, NP-5930, “A Criterion for Determining Exceedance of the Operating Basis Earthquake”

— — — — —, NP-6695, “Guidelines for Nuclear Plant Response to an Earthquake”

— — — — —, NSAC-202L, “Recommendations for an Effective Flow-Accelerated Corrosion Program”

— — — — —, TR-100082, “Standardization of the Cumulative Absolute Velocity”

— — — —, TR-1002884, “Pressurized Water Reactor Primary Water Chemistry Guidelines: Volume 1”

— — — —, TR-102134-R5, “PWR Secondary Water Chemistry Guidelines”

### **Institute for Electrical and Electronics Engineers (IEEE)**

— — — — —, IEEE Standard 80, “Guide for Safety in AC Substation Grounding”

— — — — —, IEEE Standard 323, “IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations”

— — — — —, IEEE Standard 336-1985, “IEEE Standard Installation, Inspection, and Testing Requirements for Power, Instrumentation, and Control Equipment at Nuclear Facilities”

— — — — —, IEEE Standard 384, “IEEE Standard Criteria for Independence of Class 1E Equipment and Circuits”

— — — — —, IEEE Standard 450, “Recommended Practice for the Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications”

— — — — —, IEEE Standard 498-1985, “IEEE Standard Requirements for the Calibration and Control of Measuring and Test Equipment Used in Nuclear Facilities”

— — — — —, IEEE Standard 603-1980, “IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations”

— — — — —, IEEE Standard 665, “Guide for Generating Station Grounding”

### ***U.S. Code of Federal Regulations***

— — — — —, *Title 10, Energy*, 2.390, “Public inspections, exemptions, requests for withholding”

— — — — —, *Title 10, Energy*, Part 11, “Criteria and procedures for determining eligibility for access to or control over special nuclear material”

— — — — —, *Title 10, Energy*, 11.11, “General requirements”

— — — — —, *Title 10, Energy*, Part 19, “Notices, instructions and reports to workers: inspection and investigations”

— — — — —, *Title 10, Energy*, 19.12, “Instructions to workers”

— — — — —, *Title 10, Energy*, Part 20, “Standards for protection against radiation”

— — — — —, *Title 10, Energy*, Part 20, Appendix B, “Annual Limits on Intake (ALIs) and Derived Air Concentrations (DACs) of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release to Sewerage”

— — — — —, *Title 10, Energy*, 20.1101, “Radiation protection programs”

— — — — —, *Title 10, Energy*, 20.1106, “Interpretations”

— — — — —, *Title 10, Energy*, 20.1204, “Determination of internal exposure”

— — — — —, *Title 10, Energy*, 20.1301, “Dose limits for individual members of the public”

— — — — —, *Title 10, Energy*, 20.1302, “Compliance with dose limits for individual members of the public”

— — — — —, *Title 10, Energy*, 20.1406, “Minimization of contamination”

— — — — —, *Title 10, Energy*, 20.1502, “Conditions requiring individual monitoring of external and internal occupational dose”

— — — — —, *Title 10, Energy*, 20.1601, “Control of access to high radiation areas”

— — — — —, *Title 10, Energy*, 20.1602, “Control of access to very high radiation areas”

— — — — —, *Title 10, Energy*, 20.1801, “Security of stored material”

— — — — —, *Title 10, Energy*, 20.1802, “Control of material not in storage”

— — — — —, *Title 10, Energy*, 20.2206, “Reports of individual monitoring”

— — — — —, *Title 10, Energy*, Part 21, “Reporting of defects and noncompliance”

— — — — —, *Title 10, Energy*, Part 26, “Fitness for duty programs”

— — — — —, *Title 10, Energy*, 26.205, “Work hours”

— — — — —, *Title 10, Energy*, 26.3, “Scope”

— — — — —, *Title 10, Energy*, 26.4, “FFD program applicability to categories of individuals”

— — — — —, *Title 10, Energy*, Part 30, “Rules of general applicability to domestic licensing of byproduct material”

— — — — —, *Title 10, Energy*, 30.18, “Exempt quantities”

— — — — —, *Title 10, Energy*, 30.32, “Application for specific licenses”

— — — — —, *Title 10, Energy*, Part 31, “General domestic licenses for byproduct material”

— — — — —, *Title 10, Energy*, Part 32, “Specific domestic licenses to manufacture or transfer certain items containing byproduct material”

— — — — —, *Title 10, Energy*, Part 33, “Specific domestic licenses of broad scope for byproduct material”

— — — — —, *Title 10, Energy*, Part 34, “Licenses for industrial radiography and radiation safety requirements for industrial radiographic operations”

— — — — —, *Title 10, Energy*, Part 40, “Domestic licensing of source material”

— — — — —, *Title 10, Energy*, 40.31, “Application for specific licenses”

— — — — —, *Title 10, Energy*, Part 50, “Domestic Licensing of Production and Utilization Facilities.”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, “General Design Criteria for Nuclear Power Plants”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 1, “Quality Standards and Records”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 2, “Design Bases for Protection Against Natural Phenomena”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 3, “Fire Protection”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 4, “Environmental and Dynamic Effects Design Bases”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 5, “Sharing of Structures, Systems, and Components”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 13, “Instrumentation and Control”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 14, “Reactor Coolant Pressure Boundary”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 16, “Containment Design”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 17, “Electric Power Systems”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 18, “Inspection and Testing of Electrical Power Systems”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 19, “Control Room”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 26, “Reactivity Control System Redundancy and Capability”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 27, “Combined Reactivity Control Systems Capability”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 29, “Protection Against Anticipated Operational Occurrences”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 30, “Quality of Reactor Coolant Pressure Boundary”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 32, “Inspection of Reactor Coolant Pressure Boundary”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 34, “Residual Heat Removal”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 38, “Containment Heat Removal”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 45, “Inspection of Cooling Water System”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 50, “Containment Design Basis”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 52, “Capability for Containment Leakage Rate Testing”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 53, “Provisions for Containment Testing and Inspection”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 54, “Piping System Penetrating Containment”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 60, “Control of Releases of Radioactive Materials to the Environment”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 61, “Fuel Storage and Handling and Radioactivity Control”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 64, “Monitoring Radioactivity Releases”

— — — — —, *Title 10, Energy*, Part 50, Appendix B, “Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants”

— — — — —, *Title 10, Energy*, Part 50, Appendix C, “A Guide for the Financial Data and Related Information Required to Establish Financial Qualifications for Construction Permits and Combined Licenses”

— — — — —, *Title 10, Energy*, Part 50, Appendix E, “Emergency Planning and Preparedness for Production and Utilization Facilities”

— — — — —, *Title 10, Energy*, Part 50, Appendix G, “Fracture Toughness Requirements”

— — — — —, *Title 10, Energy*, Part 50, Appendix H, “Reactor Vessel Material Surveillance Program Requirements”

— — — — —, *Title 10, Energy*, Part 50, Appendix I, “Numerical Guides for Design Objectives and Limiting Conditions for Operation to Meet the Criterion ‘As Low as is Reasonably Achievable’ for Radioactive Material in Light-Water-Cooled Nuclear Power Reactor Effluents”

— — — — —, *Title 10, Energy*, Part 50, Appendix J, “Primary Reactor Containment Leakage Testing for Water-Cooled Power Reactors”

— — — — —, *Title 10, Energy*, Part 50, Appendix K, “ECCS Evaluation Models”

— — — — —, *Title 10, Energy*, Part 50, Appendix S, “Earthquake Engineering Criteria for Nuclear Power Plants”

— — — — —, *Title 10, Energy*, 50.2, “Definitions”

— — — — —, *Title 10, Energy*, 50.9, “Completeness and accuracy of information”

— — — — —, *Title 10, Energy*, 50.10, “License required; limited work authorization”

— — — — —, *Title 10, Energy*, 50.12, “Specific exemptions”

— — — — —, *Title 10, Energy*, 50.33, “Contents of applications; general information”

— — — — —, *Title 10, Energy*, 50.34, “Contents of applications; technical information”

— — — — —, *Title 10, Energy*, 50.34a, “Design objectives for equipment to control releases of radioactive material in effluents—nuclear power reactors”

— — — — —, *Title 10, Energy*, 50.34(a), “Preliminary safety analysis report”

— — — — —, *Title 10, Energy*, 50.34(b), “Final safety analysis report”

— — — — —, *Title 10, Energy*, 50.36, “Technical specifications”

— — — — —, *Title 10, Energy*, 50.36a, “Technical specifications on effluents from nuclear power reactors”

— — — — —, *Title 10, Energy*, 50.40, “Common standards”

— — — — —, *Title 10, Energy*, 50.43, “Additional standards and provisions affecting class 103 licenses and certifications for commercial power”

— — — — —, *Title 10, Energy*, 50.47, “Emergency plans”

— — — — —, *Title 10, Energy*, 50.48, “Fire protection”

— — — — —, *Title 10, Energy*, 50.49, “Environmental qualification of electric equipment important to safety for nuclear power plants”

— — — — —, *Title 10, Energy*, 50.54, “Conditions of licenses”

— — — — —, *Title 10, Energy*, 50.55, “Conditions of construction permits, early site permits, combined licenses, and manufacturing licenses”

— — — — —, *Title 10, Energy*, 50.55a, “Codes and standards”



- — — — —, *Title 10, Energy*, 50.59, “Changes, tests and experiments”
- — — — —, *Title 10, Energy*, 50.60, “Acceptance criteria for fracture prevention measures for lightwater nuclear power reactors for normal operation”
- — — — —, *Title 10, Energy*, 50.61, “Fracture toughness requirements for protection against pressurized thermal shock events”
- — — — —, *Title 10, Energy*, 50.62, “Requirements for reduction of risk from anticipated transients without scram (ATWS) events for light-water-cooled nuclear power plants”
- — — — —, *Title 10, Energy*, 50.63, “Loss of all alternating current power”
- — — — —, *Title 10, Energy*, 50.65, “Requirements for monitoring the effectiveness of maintenance at nuclear power plants”
- — — — —, *Title 10, Energy*, 50.71, “Maintenance of records, making of reports”
- — — — —, *Title 10, Energy*, 50.72, “Immediate notification requirements for operating nuclear power reactors”
- — — — —, *Title 10, Energy*, 50.73, “License event report system”
- — — — —, *Title 10, Energy*, 50.75, “Reporting and recordkeeping for decommissioning planning”
- — — — —, *Title 10, Energy*, 50.90, “Application for amendment of license, construction permit, or early site permit”
- — — — —, *Title 10, Energy*, 50.120, “Training and qualification of nuclear power plant personnel”
- — — — —, *Title 10, Energy*, Part 51, “Environmental protection regulations for domestic licensing and related regulatory functions”
- — — — —, *Title 10, Energy*, 51.50, “Environmental report—construction permit, early site permit, or combined license stage”
- — — — —, *Title 10, Energy*, Part 52, “Licenses, certifications, and approvals for nuclear power plants”
- — — — —, *Title 10, Energy*, Part 52, Appendix D, “Design Certification Rule for the AP1000 Design”
- — — — —, *Title 10, Energy*, 52.7, “Specific exemptions”
- — — — —, *Title 10, Energy*, 52.17, “Contents of applications; technical information”
- — — — —, *Title 10, Energy*, 52.47, “Contents of applications; technical information”

— — — — —, *Title 10, Energy*, 52.55, “Duration of certification”

— — — — —, *Title 10, Energy*, 52.63, “Finality of standard design certifications”

— — — — —, *Title 10, Energy*, 52.73, “Relationship to other subparts”

— — — — —, *Title 10, Energy*, 52.77, “Contents of applications; general information”

— — — — —, *Title 10, Energy*, 52.79, “Contents of applications; technical information in final safety analysis report”

— — — — —, *Title 10, Energy*, 52.80, “Contents of applications; additional technical information”

— — — — —, *Title 10, Energy*, 52.81, “Standards for review of applications”

— — — — —, *Title 10, Energy*, 52.83, “Finality of referenced NRC approvals; partial initial decision on site suitability”

— — — — —, *Title 10, Energy*, 52.85, “Administrative review of applications; hearings”

— — — — —, *Title 10, Energy*, 52.87, “Referral to the Advisory Committee on Reactor Safeguards (ACRS)”

— — — — —, *Title 10, Energy*, 52.93, “Exemptions and variances”

— — — — —, *Title 10, Energy*, 52.97, “Issuance of combined licenses”

— — — — —, *Title 10, Energy*, 52.98, “Finality of combined licenses; information requests”

— — — — —, *Title 10, Energy*, 52.99, “Inspection during construction”

— — — — —, *Title 10, Energy*, 52.103, “Operation under a combined license”

— — — — —, *Title 10, Energy*, Part 54, “Requirements for renewal of operating licenses for nuclear power plants”

— — — — —, *Title 10, Energy*, Part 55, “Operator's licenses”

— — — — —, *Title 10, Energy*, 55.13, “General exemptions”

— — — — —, *Title 10, Energy*, 55.31, “How to apply”

— — — — —, *Title 10, Energy*, 55.41, “Written examinations: Operators”

— — — — —, *Title 10, Energy*, 55.43, “Written examinations: Senior operators”

— — — — —, *Title 10, Energy*, 55.45, “Operating tests”

— — — — —, *Title 10, Energy*, 55.59, “Requalification”

— — — — —, *Title 10, Energy*, Part 61, “Licensing requirements for land disposal of radioactive waste”

— — — — —, *Title 10, Energy*, 61.55, “Waste classification”

— — — — —, *Title 10, Energy*, 61.56, “Waste characteristics”

— — — — —, *Title 10, Energy*, Part 70, “Domestic licensing of special nuclear material”

— — — — —, *Title 10, Energy*, 70.22, “Contents of applications”

— — — — —, *Title 10, Energy*, Part 71, “Packaging and transportation of radioactive material”

— — — — —, *Title 10, Energy*, Part 73, “Physical protection of plants and materials”

— — — — —, *Title 10, Energy*, Part 73, Appendix B, “General Criteria for Security Personnel”

— — — — —, *Title 10, Energy*, Part 73, Appendix C, “Nuclear Power Plant Safeguards Contingency Plans”

— — — — —, *Title 10, Energy*, Part 73, Appendix G, “Reportable Safeguards Events”

— — — — —, *Title 10, Energy*, 73.1, “Purpose and scope”

— — — — —, *Title 10, Energy*, 73.2, “Definitions”

— — — — —, *Title 10, Energy*, 73.21, “Protection of Safeguards Information: Performance Requirements”

— — — — —, *Title 10, Energy*, 73.45, “Performance capabilities for fixed site physical protection systems”

— — — — —, *Title 10, Energy*, 73.46, “Fixed site physical protection systems, subsystems, components, and procedures”

— — — — —, *Title 10, Energy*, 73.54, “Protection of digital computer and communication systems and networks”

— — — — —, *Title 10, Energy*, 73.55, “Requirements for physical protection of licensed activities in nuclear power reactors against radiological sabotage”

— — — — —, *Title 10, Energy*, 73.55, Appendix B, “General Criteria for Security Personnel”

— — — — —, *Title 10, Energy*, 73.55, Appendix C, “Nuclear Power Plant Safeguards Contingency Plans”

— — — — —, *Title 10, Energy*, 73.55, Appendix G, “Reportable Safeguards Events”

— — — — —, *Title 10, Energy*, 73.55, Appendix H, “Weapons Qualification Criteria”

— — — — —, *Title 10, Energy*, 73.56, “Personnel access authorization requirements for nuclear power plants”

— — — — —, *Title 10, Energy*, 73.57, “Requirements for criminal history records checks of individuals granted unescorted access to a nuclear power facility or access to Safeguards Information”

— — — — —, *Title 10, Energy*, 73.58, “Safety/security interface requirements for nuclear power reactors”

— — — — —, *Title 10, Energy*, 73.70, “Records”

— — — — —, *Title 10, Energy*, 73.71, “Reporting of safeguards events”

— — — — —, *Title 10, Energy*, Part 74, “Material control and accounting of special nuclear material”

— — — — —, *Title 10, Energy*, Part 100, “Reactor site criteria”

— — — — —, *Title 10, Energy*, 100.1, “Purpose”

— — — — —, *Title 10, Energy*, 100.3, “Definitions”

— — — — —, *Title 10, Energy*, 100.10, “Factors to be considered when evaluating sites”

— — — — —, *Title 10, Energy*, 100.20, “Factors to be considered when evaluating sites”

— — — — —, *Title 10, Energy*, 100.21, “Non-seismic siting criteria”

— — — — —, *Title 10, Energy*, 100.23, “Geologic and seismic siting criteria”

— — — — —, *Title 10, Energy*, Part 140, “Financial protection requirements and indemnity agreements”

— — — — —, *Title 10, Energy*, 140.11, “Amounts of financial protection for certain reactors”

— — — — —, *Title 40, Energy*, 81.108, “Columbia Intrastate Air Quality Control Region”

— — — — —, *Title 40, Energy*, 81.341, “South Carolina”

— — — — —, *Title 40, Energy*, Part 190, “Environmental Radiation Protection Standards for Nuclear Power Operations”

— — — — —, *Title 44, Energy*, Part 353, “Memorandum of Understanding (MOU) Between Federal Emergency Management Agency and Nuclear Regulatory Commission Relating to Radiological Emergency Planning and Preparedness”

— — — — —, *Title 49, Energy*, Part 173, “Shippers—General Requirements for Shipments and Packagings”

## **U.S. Environmental Protection Agency**

— — — — —, 400-R-92-001, “Manual of Protective Action Guides and Protective Actions for Nuclear Incidents”

## **U.S. Nuclear Regulatory Commission (NRC)**

### *Commission Papers*

— — — — —, SECY-93-087, “Policy, Technical, and Licensing Issues Pertaining to Evolutionary and Advanced Light-Water Reactor (ALWR) Designs,” April 2, 1993, (ADAMS Accession No. ML003708021), and the related SRM, dated July 21, 1993. (ADAMS Accession No. ML003708056.)

— — — — —, SECY-94-084, “Policy and Technical Issues Associated With the Regulatory Treatment of Non-Safety Systems in Passive Plant Designs,” March 28, 1994, (ADAMS Accession No. ML003708068), and the related SRM, dated June 30, 1994. (ADAMS Accession No. ML003708098.)

— — — — —, SECY-95-132, “Policy and Technical Issues Associated with the Regulatory Treatment of Non-Safety Systems (RTNSS) in Passive Plant Designs (SECY-94-084),” May 22, 1995, (ADAMS Accession No. ML003708005), and the related SRM dated June 28, 1995. (ADAMS Accession No. ML003708019.)

— — — — —, SECY-05-0197, “Review of Operational Programs in a Combined License Application and General Emergency Planning Inspections, Tests, Analyses, and Acceptance Criteria” October 28, 2005, (ADAMS Accession Nos. ML052770225, ML052770257), and the related SRM, dated February 22, 2006. (ADAMS Accession No. ML060530316.)

— — — — —, SECY-06-0187, “Semiannual Update of the Status of New Reactor Licensing Activities and Future Planning for New Reactors,” August 25, 2006. (ADAMS Accession No. ML061910627.)

### *Generic Communications*

#### *Bulletin*

— — — — —, BL 1980-15, “Possible Loss of Emergency Notification System (ENS) with Loss of Offsite Power,” June 18, 1980. (ADAMS Accession No. ML031210543.)

— — — — —, BL 1988-11, “Pressurizer Surge Line Thermal Stratification,” December 20, 1988. (ADAMS Accession No. ML8812150118.)

— — — — —, BL 2002-01, “Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity,” March 18, 2002. (ADAMS Accession No. ML020770497.)

— — — — —, BL 2003-01, “Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized-Water Reactors,” June 9, 2003. (ADAMS Accession No. ML031600259.)

— — — — —, BL 2005-02, “Emergency Preparedness and Response Actions for Security-Based Events” July 18, 2005. (ADAMS Accession No. ML051740058.)

*Generic Letter*

— — — — —, GL 1980-009, “Low Level Radioactive Waste Disposal,” January 29, 1980. (ADAMS Accession No. ML031350287.)

— — — — —, GL 1981-038, “Storage of Low-Level Radioactive Wastes at Power Reactor Sites,” November 10, 1981. (ADAMS Accession No. ML031110064.)

— — — — —, GL 1981-039, “NRC Volume Reduction Policy,” November 30, 1981. (ADAMS Accession No. ML031210460.)

— — — — —, GL 1985-05, “Inadvertent Boron Dilution Events,” January 31, 1985. (ADAMS Accession No. ML850210366.)

— — — — —, GL 1988-05, “Staff Position on Boric Acid Corrosion of Carbon Steel Reactor Pressure Boundary Components in PWR Plants,” March 17, 1988. (ADAMS Accession No. ML8803220364.)

— — — — —, GL 1989-02, “Actions to Improve the Detection of Counterfeit and Fraudulently Marked Products,” March 21, 1989. (ADAMS Accession No. ML8903160296.)

— — — — —, GL 1989-08, “Erosion/Corrosion-Induced Pipe Wall Thinning,” May 2, 1989. (ADAMS Accession No. ML031200731.)

— — — — —, GL 1991-05, “Licensee Commercial-Grade Procurement and Dedication Programs,” April 9, 1991. (ADAMS Accession No. ML9104030126.)

— — — — —, GL 1991-14, “Emergency Telecommunications,” September 23, 1991.

— — — — —, GL 1992-01, “Reactor Vessel Structural Integrity,” February 28, 1992.

— — — — —, GL 1996-03, “Relocation of the Pressure Temperature Limit Curves and Low Temperature Overpressure Protection System Limits,” January 31, 1996. (ADAMS Accession No. ML031110004.)

— — — — —, GL 1996-05, “Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves,” September 18, 1996. (ADAMS Accession No. ML031110010.)

— — — — —, GL 1997-06, “Degradation of Steam Generator Internals,” September 30, 2006. (ADAMS Accession No. ML9609250096.)

— — — — —, GL 2004-02, “Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors,” September 13, 2004. (ADAMS Accession No. ML042360586.)

— — — — —, GL 2006-02, “Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power,” February 1, 2006. (ADAMS Accession No. ML060180352.)

— — — — —, GL 2007-01, “Inaccessible or Underground Power Cable Failures that Disable Accident Mitigation Systems or Cause Plant Transients,” February 7, 2007. (ADAMS Accession No. ML070360665.)

#### *Generic Safety Issue*

— — — — —, GSI-43, “Reliability of Air Systems”

— — — — —, GSI-83, “Control Room Habitability”

— — — — —, GSI-191, “Assessment of Debris Accumulation on PWR Sump Performance”

#### *Information Notice*

— — — — —, IN 86-83, “Underground Pathways into Protected Areas, Vital Areas, and Controlled Access Areas,” September 19, 1986. (ADAMS Accession Nos. ML031250244, ML031250275.)

#### *Inspection Reports*

— — — — —, Inspection Report 05000395-2006009, “Virgil C. Summer Nuclear Station,” March 9, 2006. (ADAMS Accession No. ML061110240.)

#### *Interim Staff Guidance*

— — — — —, DC/COL-ISG-1, “Interim Staff Guidance on Seismic Issues of High Frequency Ground Motion in Design Certification and Combined License Applications”, May 19, 2008. (ADAMS Accession No. ML081400293.)

— — — — —, DC/COL-ISG-3, “Probabilistic Risk Assessment Information to Support Design Certification and Combined License Applications,” June 11, 2008. (ADAMS Accession No. ML081430675).

— — — — —, DC/COL-ISG-07, “Interim Staff Guidance on Assessment of Normal and Extreme Winter Precipitation Loads on the Roofs of Seismic Category I Structures,” June 23, 2009. (ADAMS Accession No. ML091490565.)

— — — — —, DC/COL-ISG-8, “Necessary Content of Plant-Specific Technical Specifications When a Combined License is Issued,” December 9, 2008. (ADAMS Accession No. ML083310259.)

— — — — —, DC/COL-ISG-11, “Interim Staff Guidance Finalizing Licensing-basis Information,” November 2, 2009. (ADAMS Accession No. ML092890623.)

— — — — —, DC/COL-ISG-20, “Implementation of a Probabilistic Risk Assessment-Based Seismic Margin Analysis for New Reactors,” March 15, 2010. (ADAMS Accession No. ML100491233.)

### *NUREG-Series Reports*

— — — — —, NUREG-0396/EPA 520/1-78-016, “Planning Basis for the Development of State and Local Government Radiological Emergency Response Plans in Support of Light Water Nuclear Power Reactors”

— — — — —, NUREG-0588, Revision 1 “Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment,” July 1981. (ADAMS Accession No. ML031480402.)

— — — — —, NUREG-0612, “Control of Heavy Loads at Nuclear Power Plants. Resolution of Generic Technical Activity A-36,” July 1980. (ADAMS Accession No. ML070250180.)

— — — — —, NUREG-0654/FEMA-REP-1, Revision 1, “Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants,” November 1980. (ADAMS Accession No. ML040420012.)

— — — — —, NUREG-0696, “Functional Criteria for Emergency Response Facilities,” February 28, 1981. (ADAMS Accession No. ML051390358.)

— — — — —, NUREG-0711, “Human Factors Engineering Program Review Model”

— — — — —, NUREG-0717, “Safety Evaluation Report Related to the Operation of the Virgil C. Summer Nuclear Station Unit No. 1, Docket No. 50-395”

— — — — —, NUREG-0728, “NRC Incident Response Plan”

— — — — —, NUREG-0737, “Clarification of TMI Action Plan Requirements,” November 1980. (ADAMS Accession No. ML051400209.)

— — — — —, NUREG-0800, “Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants (LWR Edition),” March 2007. (ADAMS Accession No. ML070660036.)

— — — — —, NUREG-0917, “Nuclear Regulatory Commission Staff Computer Programs for Use with Meteorological Data”

— — — — —, NUREG-0927, Revision 1, “Evaluation of Water Hammer Occurrence in Nuclear Power Plants”

— — — — —, NUREG-0933, “Resolution of Generic Safety Issues (Formerly entitled ‘A Prioritization of Generic Safety Issues’),” August 2008. (ADAMS Accession No. ML082410719.)

— — — — —, NUREG-1021, “Operator Licensing Examination Standards for Power Reactors”

— — — — —, NUREG-1022, Revision 2, “Event Reporting Guidelines: 10 CFR 50.72 and 50.73,” October 2000.



— — — — —, NUREG-1407, “Procedural and Submittal Guidance for the Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities”

— — — — —, NUREG-1431, “Standard Technical Specifications — Westinghouse Plants”

— — — — —, NUREG-1431, “Standard Technical Specifications Westinghouse Plants”

— — — — —, NUREG-1482, “Guidelines for Inservice Testing at Nuclear Power Plants”

— — — — —, NUREG-1555, Supplement 1: “Standard Review Plans for Environmental Reviews for Nuclear Power Plants”

— — — — —, NUREG-1577, “Standard Review Plan on Power Reactor Licensee Financial Qualifications and Decommissioning Funding Assurance”

— — — — —, NUREG-1736, “Consolidated Guidance: 10 CFR Part 20 – Standards for Protection Against Radiation,” October 2001. (ADAMS Accession No. ML013330179)

— — — — —, NUREG-1793, “Final Safety Evaluation Report Related to Certification of the AP1000 Standard Design,” September 2004. (ADAMS Accession No. ML043570339.)

— — — — —, NUREG-1801, “Generic Aging Lessons Learned (GALL) Report,” Volume 2, Revision 2

— — — — —, NUREG-1805, “Fire Dynamics Tools (FDTs) Quantitative Fire Hazard Analysis Methods for the U.S. Nuclear Regulatory Commission Fire Protection Inspection Program”

— — — — —, NUREG-1835, “Safety Evaluation Report for an Early Site Permit (ESP) at the North Anna ESP Site,” September 2005. (ADAMS Accession No. ML052710305.)

— — — — —, NUREG-1923, “Safety Evaluation Report for an Early Site Permit (ESP) at the Vogtle Electric Generating Plant (VEGP) ESP Site”

— — — — —, NUREG/BR-0230, “RCM-96 Response Coordination Manual,” December 1996. (ADAMS Accession No. ML080810312)

— — — — —, NUREG/CR-2858, “PAVAN: An Atmospheric Dispersion Program for Evaluating Design Basis Accidental Releases of Radioactive Materials from Nuclear Power Stations”

— — — — —, NUREG/CR-2919, “XOQDOQ Computer Program for the Meteorological Evaluation of Routine Effluent Releases at Nuclear Power Stations”

— — — — —, NUREG/CR-4013, “LADTAP II - Technical Reference and User Guide,” April 1986

— — — — —, NUREG/CR-4461, “Tornado Climatology of the Contiguous United States,” May 1986.

— — — — —, NUREG/CR-4461, “Tornado Climatology of the Contiguous United States,” January 1987.

— — — — —, NUREG/CR-4653, “GASPAR II - Technical Reference and User Guide,”  
March 1987

— — — — —, NUREG/CR-4873, “Benchmark Study of the IDYNEV Evacuation Time Estimate  
Computer Code”

— — — — —, NUREG/CR-4874, “The Sensitivity of Evacuation Time Estimates to Changes in  
Input Parameters for the IDYNEV Computer Code”

— — — — —, NUREG/CR-6190, “Update of NUREG/CR-6190 Material to Reflect Postulated  
Threat Requirements” **(Includes security-related or safeguards information and is not  
publicly available)**

— — — — —, NUREG/CR-6331, Revision 1, “Atmospheric Relative Concentrations in Building  
Wakes,” May 1997.

— — — — —, NUREG/CR-6607, “Guidance for Performing Probabilistic Seismic Hazard  
Analysis for a Nuclear Plant Site: Example Application to the Southeastern United States”

— — — — —, NUREG/CR-6728, “Technical Basis for Revision of Regulatory Guidance on  
Design Ground Motions: Hazard- and Risk-Consistent Ground Motion Spectra Guidelines,”  
October 2001. (ADAMS Accession No. ML013100232)

— — — — —, NUREG/CR-6953, “Review of NUREG-0654, Supplement 3, “Criteria for  
Protective Action Recommendations for Severe Accidents”

— — — — —, NUREG/CR-7000, “Essential Elements of an Electric Cable Condition Monitoring  
Program”

### *Regulatory Guides*

— — — — —, RG 1.8, Revision 3, “Qualification and Training of Personnel for Nuclear Power  
Plants,” May 2000. (ADAMS Accession No. ML003706932.)

— — — — —, RG 1.12, Revision 2, “Nuclear Power Plant Instrumentation for Earthquakes,”  
March 1997. (ADAMS Accession No. ML003739944.)

— — — — —, RG 1.16, “Reporting of Operating Information”

— — — — —, RG 1.21, Revision 2, “Measuring, Evaluating, and Reporting Radioactive  
Material in Liquid and Gaseous Effluents and Solid Waste,” June 2009. (ADAMS Accession  
No. ML091170109)

— — — — —, RG 1.23, Revision 1, “Meteorological Monitoring Programs for Nuclear Power  
Plants,” March 2007. (ADAMS Accession No. ML070350028)

— — — — —, RG 1.26, Revision 4, “Quality Group Classification and Standards for  
Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants,”  
March 2007. (ADAMS Accession No. ML070290283)

— — — — —, RG 1.27, Revision 2, “Ultimate Heat Sink for Nuclear Power Plants (for Comment),” January 1976. (ADAMS Accession No. ML003739969.)

— — — — —, RG 1.28, Revision 4, “Quality Assurance Program Requirements (Design and Construction),” June 2010. (ADAMS Accession No. ML100160003.)

— — — — —, RG 1.29, Revision 4, “Seismic Design Classification,” March 2007. (ADAMS Accession No. ML070310052.)

— — — — —, RG 1.30, “Quality Assurance Requirements for the Installation, Inspection, and Testing of Instrumentation and Electric Equipment (Safety Guide 30),” August 1972.

— — — — —, RG 1.31, Revision 3, “Control of Ferrite Content in Stainless Steel Weld Metal,” April 1978. (ADAMS Accession No. ML003739986.)

— — — — —, RG 1.33, Revision 2, “Quality Assurance Program Requirements (Operation),” February 1978. (ADAMS Accession No. ML003739995.)

— — — — —, RG 1.37, Revision 1, “Quality Assurance Requirements for Cleaning of Fluid Systems and Associated Components of Water-Cooled Nuclear Power Plants,” March 2007. (ADAMS Accession No. ML070250571.)

— — — — —, RG 1.38, “Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and Handling of Items for Water-Cooled Nuclear Power Plants,” **(Withdrawn -- See 75 FR 54921, 09/09/2010)**

— — — — —, RG 1.39, “Housekeeping Requirements for Water-Cooled Nuclear Power Plants,” September 1977. (ADAMS Accession No. ML003740067.)

— — — — —, RG 1.44, “Control of the Use of Sensitized Steel,” May 1973. (ADAMS Accession No. ML003740109.)

— — — — —, RG 1.45, Revision 1, “Guidance on Monitoring and Responding to Reactor Coolant System Leakage,” May 1973. (ADAMS Accession No. ML003740113.)

— — — — —, RG 1.52, Revision 3, “Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Post Accident Engineered Safety Feature Atmosphere Cleanup Systems in Light Water Cooled Nuclear Power Plants,” June 2001. (ADAMS Accession No. ML011710176.)

— — — — —, RG 1.54, Revision 1, “Service Level I, II, and III Protective Coatings Applied to Nuclear Power Plants,” July 2000. (ADAMS Accession No. ML003714475.)

— — — — —, RG 1.59, Revision 2, “Design Basis Floods for Nuclear Power Plants,” August 1977. (ADAMS Accession No. ML003740388.)

— — — — —, RG 1.60, Revision 1, “Design Response Spectra for Seismic Design of Nuclear Power Plants,” December 1973. (ADAMS Accession No. ML003740207.)

— — — — —, RG 1.63, Revision 3, “Electric Penetration Assemblies in Containment Structures for Nuclear Power Plants,” February 1987. (ADAMS Accession No. ML003740219.)

— — — — —, RG 1.65, Revision 1, “Materials and Inspections for Reactor Vessel Closure Studs,” April 2010. (ADAMS Accession No. ML092050716.)

— — — — —, RG 1.68, Revision 3, “Initial Test Program for Water-Cooled Nuclear Power Plants,” March 2007. (ADAMS Accession No. ML070260039.)

— — — — —, RG 1.70, Revision 3, “Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants (LWR Edition),” November 1978. (ADAMS Accession No. ML011340116.)

— — — — —, RG 1.75, Revision 3, “Physical Independence of Electrical Systems,” February 2005. (ADAMS Accession No. ML043630448.)

— — — — —, RG 1.76, Revision 1, “Design-Basis Tornado and Tornado Missiles for Nuclear Power Plants,” March 2007. (ADAMS Accession No. ML070360253.)

— — — — —, RG 1.78, Revision 1, “Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release,” December 2001. (ADAMS Accession No. ML013100014.)

— — — — —, RG 1.82, Revision 3, “Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors,” November 2003. (ADAMS Accession No. ML031960432.)

— — — — —, RG 1.84, “Design and Fabrication Code Case Acceptability, ASME Section III, Division 1”

— — — — —, RG 1.89, Revision 1, “Environmental Qualification of Certain Electric Equipment Important to Safety for Nuclear Power Plants,” June 1984. (ADAMS Accession No. ML003740271.)

— — — — —, RG 1.91, Revision 1, “Evaluations of Explosions Postulated to Occur at Transportation Routes Near Nuclear Power Plants,” February 1978. (ADAMS Accession No. ML003740286.)

— — — — —, RG 1.94, Revision 1, “Quality Assurance Requirements for Installation, Inspection, and Testing of Structural Concrete and Structural Steel During the Construction Phase of Nuclear Power Plants,” April 1976. (ADAMS Accession No. ML003740305.)

— — — — —, RG 1.97, Revision 4, “Criteria for Accident Monitoring Instrumentation for Nuclear Power Plants,” June 2006. (ADAMS Accession No. ML061580448.)

— — — — —, RG 1.99, Revision 2, “Radiation Embrittlement of Reactor Vessel Materials,” May 1988. (ADAMS Accession No. ML031430205.)

— — — — —, RG 1.99, Revision 2, “Radiation Embrittlement of Reactor Vessel Materials,” May 1988. (ADAMS Accession No. ML003740284.)

— — — — —, RG 1.100, Revision 3, “Seismic Qualification of Electric and Active Mechanical Equipment and Functional Qualification of Active Mechanical Equipment for Nuclear Power Plants,” September 2009. (ADAMS Accession No. ML091320468.)

— — — — —, RG 1.102, Revision 1, “Flood Protection for Nuclear Power Plants,” September 1976. (ADAMS Accession No. ML003740308.)

— — — — —, RG 1.105, Revision 2, “Setpoints for Safety-Related Instrumentation,” February 1986

— — — — —, RG 1.109, Revision 1, “Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I,” October 1977

— — — — —, RG 1.110, “Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors (for comment),” March 1976. (ADAMS Accession No. ML003740332.)

— — — — —, RG 1.111, Revision 1, “Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Nuclear Power Reactors,” July 1977. (ADAMS Accession No. ML003740354.)

— — — — —, RG 1.112, Revision 1, “Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Power Reactors,” March 2007. (ADAMS Accession No. ML070320241.)

— — — — —, RG 1.113, Revision 1, “Estimating Aquatic Dispersion of Effluents from Accidental and Routine Reactor Releases for the Purpose of Implementing Appendix I,” April 1977

— — — — —, RG 1.115, Revision 1, “Protection Against Low-Trajectory Turbine Missiles,” July 1977. (ADAMS Accession No. ML003739456.)

— — — — —, RG 1.116, Revision 0-R, “Quality Assurance Requirements for Installation, Inspection, and Testing of Mechanical Equipment and Systems,” May 1977. (ADAMS Accession No. ML003739465.)

— — — — —, RG 1.121, “Bases for Plugging Degraded PWR Steam Generator Tubes,” (for Comment), August 1976

— — — — —, RG 1.129, Revision 2, “Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Nuclear Power Plants,” February 2007. (ADAMS Accession No. ML063490110.)

— — — — —, RG 1.132, Revision 2, “Site Investigations for Foundations of Nuclear Power Plants”

— — — — —, RG 1.133, Revision 1, “Loose-Part Detection Program for the Primary System of Light-Water-Cooled Reactors,” May 1981. (ADAMS Accession No. ML003740137.)

— — — — —, RG 1.138, Revision 2, “Laboratory Investigations of Soils and Rocks for Engineering Analysis and Design of Nuclear Power Plants”

— — — — —, RG 1.140, Revision 2, “Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Normal Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants”

— — — — —, RG 1.143, Revision 2, “Design Guidance for Radioactive Waste Management Systems, Structures, and Components Installed in Light-Water-Cooled Nuclear Power Plants,” November 2001. (ADAMS Accession No. ML013100305.)

— — — — —, RG 1.145, Revision 1, “Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants,” November 1982. (ADAMS Accession No. ML003740205.)

— — — — —, RG 1.147, “Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1,” October 2007. (ADAMS Accession No. ML072070419.)

— — — — —, RG 1.149, “Nuclear Power Plant Simulation Facilities for Use in Operator Training and License Examinations,” October 2001. (ADAMS Accession No. ML012770164.)

— — — — —, RG 1.150, “Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations” **(Withdrawn-- See 73 FR 7766, 02/11/2008)**

— — — — —, RG 1.152, Revision 3, “Criteria for Digital Computers in Safety Systems of Nuclear Power Plants,” July 2011. (ADAMS Accession No. ML102870028.)

— — — — —, RG 1.155, “Station Blackout,” August 1988. (ADAMS Accession No. ML003716792.)

— — — — —, RG 1.160, Revision 2, “Monitoring the Effectiveness of Maintenance at Nuclear Power Plants,” March 1997. (ADAMS Accession No. ML003761662.)

— — — — —, RG 1.163, “Performance-Based Containment Leak-Test Program,” September 1995. (ADAMS Accession No. ML003740058.)

— — — — —, RG 1.165, “Identification and Characterization of Seismic Sources and Determination of Safe Shutdown Earthquake Ground Motion” **(Withdrawn -- See 75 FR 22868, 04/30/2010)**

— — — — —, RG 1.166, “Pre-Earthquake Planning and Immediate Nuclear Power Plant Operator Postearthquake Actions,” March 1997. (ADAMS Accession No. ML003740089.)

— — — — —, RG 1.167, “Restart of a Nuclear Power Plant Shut Down by a Seismic Event,” March 1997. (ADAMS Accession No. ML003740093.)

— — — — —, RG 1.182, Revision 0, “Assessing and Managing Risk Before Maintenance Activities at Nuclear Power Plants,” May 2000. (ADAMS Accession No. ML003740117.)

— — — — —, RG 1.183, “Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors,” July 2000. (ADAMS Accession No. ML003716792.)

— — — — —, RG 1.189, Revision 2, “Fire Protection for Nuclear Power Plants,” October 2009. (ADAMS Accession No. ML092580550.)

— — — — —, RG 1.190, “Calculational and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence,” March 2001. (ADAMS Accession No. ML010890301.)

— — — — —, RG 1.192, “Operation and Maintenance Code Case Acceptability, ASME OM Code,” June 2003. (ADAMS Accession No. ML030730430.)

— — — — —, RG 1.194, “Atmospheric Relative Concentrations for Control Room Radiological Habitability Assessments at Nuclear Power Plants,” June 2003. (ADAMS Accession No. ML031530505.)

— — — — —, RG 1.196, “Control Room Habitability at Light Water Nuclear Power Reactors,” May 2003. (ADAMS Accession No. ML031490611.)

— — — — —, RG 1.198, “Procedures and Criteria for Assessing Seismic Soil Liquefaction at Nuclear Power Plant Sites,” November 2003. (ADAMS Accession No. ML033280143.)

— — — — —, RG 1.200, Revision 1, “An Approach for Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed Activities,” January 2007. (ADAMS Accession No. ML070240001.)

— — — — —, RG 1.204, “Guidelines for Lightning Protection of Nuclear Power Plants,” November 2005. (ADAMS Accession No. ML052290422.)

— — — — —, RG 1.206, “Combined License Applications for Nuclear Power Plants (LWR Edition),” June 2007. (ADAMS Accession No. ML070720184.)

— — — — —, RG 1.208, “A Performance-Based Approach to Define the Site-Specific Earthquake Ground Motion,” March 2007. (ADAMS Accession No. ML070310619.)

— — — — —, RG 1.214, “Response Strategies for Potential Aircraft Threats”

— — — — —, RG 4.7, Revision 2, “General Site Suitability Criteria for Nuclear Power Station,” April 1998. (ADAMS Accession No. ML003739894.)

— — — — —, RG 4.15, Revision 2, “Quality Assurance for Radiological Monitoring Programs (Inception through Normal Operations to License Termination) – Effluent Streams and the Environment,” July 2007. (ADAMS Accession No. ML071790506.)

— — — — —, RG 4.21, “Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning,” June 2008. (ADAMS Accession No. ML080500187.)

— — — — —, RG 5.7, Revision 1, “Entry/Exit Control for Protected Areas, Vital Areas, and Material Access Areas,”

— — — — —, RG 5.12, “General Use of Locks in the Protection and Control of Facilities and Special Nuclear Materials,” November 1973. (ADAMS Accession No. ML003740035.)

— — — — —, RG 5.44, Revision 3, “Perimeter Intrusion Alarm Systems,” October 1997. (ADAMS Accession No. ML003739217.)

— — — — —, RG 5.62, Revision 1, “Reporting of Safeguards Events”

— — — — —, RG 5.65, “Vital Area Access Controls, Protection of Physical Protection System Equipment and Key and Lock Controls”

— — — — —, RG 5.66, Revision 1, “Access Authorization Program for Nuclear Power Plants”

— — — — —, RG 5.68, “Protection Against Malevolent Use of Vehicles at Nuclear Power Plants”

— — — — —, RG 5.69, “Guidance for the Application of Radiological Sabotage Design Basis Threat in the Design, Development, and Implementation of a Physical Security Protection Program that Meets 10 CFR 73.55 Requirements” **(Includes security-related or safeguards information and is not publicly available)**

— — — — —, RG 5.71, “Cyber Security Programs for Nuclear Facilities”

— — — — —, RG 5.74, “Managing the Safety/Security Interface”

— — — — —, RG 5.75, “Training and Qualification of Security Personnel at Nuclear Power Reactor Facilities”

— — — — —, RG 5.76, “Physical Protection Programs at Nuclear Power Reactors” **(Includes security-related or safeguards information and is not publicly available)**

— — — — —, RG 8.2, “Guide for Administrative Practices in Radiation Monitoring,” February 1973. (ADAMS Accession No. ML003739444.)

— — — — —, RG 8.4, “Direct Reading and Indirect Reading Pocket Dosimeters”

— — — — —, RG 8.6, “Standard Test Procedures for Gieger-Muller Counters”

— — — — —, RG 8.7, Revision 2, “Instructions for Recording and Reporting Occupational Radiation Exposure Data,” November 2005. (ADAMS Accession No. ML052970092.)

— — — — —, RG 8.8, Revision 3, “Information Relevant to Ensuring that Occupational Radiation Exposures at Nuclear Power Stations Will Be ALARA,” June 1978. (ADAMS Accession No. ML003739549.)

— — — — —, RG 8.9, Revision 1, “Acceptable Concepts, Models, Equations, and Assumptions for a Bioassay Program,” July 1993. (ADAMS Accession No. ML003739554.)

— — — — —, RG 8.10, Revision 1-R, “Operating Philosophy for Maintaining Occupational Radiation Exposures ALARA,” May 1977. (ADAMS Accession No. ML003739563.)

— — — — —, RG 8.13, Revision 3, “Instruction Concerning Prenatal Radiation Exposure,” June 1999. (ADAMS Accession No. ML003739505.)



— — — — —, RG 8.15, Revision 1, “Acceptable Programs for Respiratory Protection,” October 1999. (ADAMS Accession No. ML003739528.)

— — — — —, RG 8.20, Revision 1, “Applications of Bioassay for I-125 and I-131,” September 1979. (ADAMS Accession No. ML003739555.)

— — — — —, RG 8.25, Revision 1, “Air Sampling in the Workplace,” June 1992. (ADAMS Accession No. ML003739616.)

— — — — —, RG 8.26, “Applications of Bioassay for Fission and Activation Products,” September 1980. (ADAMS Accession No. ML080140014.)

— — — — —, RG 8.27, “Radiation Protection Training for Personnel at Light-Water-Cooled Nuclear Power Plants,” March 1981. (ADAMS Accession No. ML003739628.)

— — — — —, RG 8.28, “Audible-Alarm Dosimeters,” August 1981. (ADAMS Accession No. ML003739382.)

— — — — —, RG 8.29, Revision 1, “Instruction Concerning Risks from Occupational Radiation Exposure”

— — — — —, RG 8.32, “Criteria for Establishing a Tritium Bioassay Program”

— — — — —, RG 8.34, “Monitoring Criteria and Methods to Calculate Occupational Radiation Doses,” July 1992. (ADAMS Accession No. ML090770221.)

— — — — —, RG 8.35, Revision 1, “Planned Special Exposures”

— — — — —, RG 8.36, “Radiation Dose to the Embryo/Fetus,” July 1992. (ADAMS Accession No. ML003739548.)

— — — — —, RG 8.38, Revision 1, “Control of Access to High and Very High Radiation Areas in Nuclear Power Plants”

#### *Draft Regulatory Guides*

— — — — —, DG-1145, “Combined License Applications for Nuclear Power Plants (LWR Edition)”

#### *Regulatory Issue Summary*

— — — — —, RIS 2000-03, “Resolution of Generic Safety Issue 158: Performance of Safety-Related Power-Operated Valves Under Design Basis Conditions,” March 15, 2000. (ADAMS Accession No. ML003686003.)

— — — — —, RIS 2000-18, “Guidance on Managing Quality Assurance Records in Electronic Media” October 23, 2000.

— — — — —, RIS 2002-22, “Use of EPRI/NEI Joint Task Force Report, ‘Guideline on Licensing Digital Upgrades: EPRI TR-102348, Revision 1, NEI 01-01: A Revision of EPRI TR-102348 to Reflect Changes to the 10 CFR 50.59 Rule,’” November 25, 2002. (ADAMS Accession No. ML023160044.)

— — — — —, RIS 2005-02, “Clarifying the Process for Making Emergency Plan Changes,” February 14, 2005. (ADAMS Accession No. ML042580404.)

— — — — —, RIS 2005-04, “Guidance on the Protection of Unattended Openings that Intersect a Security Boundary or Area,” **(Exempt from public disclosure in accordance with 10 CFR 2.390)**

— — — — —, RIS 2005-026, “Control of Sensitive Unclassified Nonsafeguards Information Related to Nuclear Power Reactors,” November 7, 2005. (ADAMS Accession No. ML051430228.)

— — — — —, RIS 2006-06, “New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach,” May 31, 2006. (ADAMS Accession No. ML053540251.)

#### Other NRC Documents

— — — — —, NRC First Revised Order, EA-03-009, “Interim Inspection Requirements for Reactor Pressure Vessel Heads at Pressurized Water Reactors”

— — — — —, April 9, 2009, Letter from Scott Morris, NRC, to Jack Roe, NEI, “NRC Staff Review of NEI 03-12, “Template for Security Plan, Training and Qualification, Safeguards Contingency Plan, [and Independent Spent Fuel Storage Installation Security Program]” (Revision 6).” (ADAMS Accession No. ML090920528.)

— — — — —, SRM, CMWCO-10-0001, “Regulation of Cyber Security at Nuclear Power Plants,” October 2010. (ADAMS Accession No. ML102940009.)

#### **National Fire Protection Association (NFPA)**

— — — — —, NFPA 25, “Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems”

— — — — —, NFPA 72, “National Fire Alarm and Signaling Code”

— — — — —, NFPA 780, “Standard for the Installation of Lightning Protection”

— — — — —, NFPA 804, “Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants”

## **National Oceanic and Atmospheric Administration (NOAA)/NWS**

*Hydrometeorological Reports (HMRs) See page 42*

— — — — —, NOAA/NWS HMR No. 51 (HMR51. 1978): Probably Maximum Precipitation Estimates, United States East of the 105<sup>th</sup> Meridian. U. S. Department of Commerce National Oceanic and Atmospheric Administration, U.S. Department of the Army Corps of Engineers. Washington D.C. <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

— — — — —, NOAA HMR No. 52 (HMR52. 1982): Application of Probable Maximum Estimates-United States East of the 105<sup>th</sup> Meridian. U. S. Department of Commerce National Oceanic and Atmospheric Administration, U.S. Department of the Army Corps of Engineers. Washington D.C. <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

— — — — —, NOAA HMR No. 53 (HMR53. 1980): Seasonal Variation of 10-Square-Mile Probable Maximum Precipitation Estimates, United States East of the 105<sup>th</sup> Meridian. U. S. Department of Commerce National Oceanic and Atmospheric Administration, U. S. Nuclear Regulatory Commission. Silver Spring, MD. <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

## **Nuclear Information and Records Management Association (NIRMA)**

— — — — —, NIRMA Guidelines TG 11-1998, “Authentication of Records and Media”

— — — — —, NIRMA Guidelines TG 15-1998, “Management of Electronic Records”

— — — — —, NIRMA Guidelines TG 16-1998, “Software Configuration Management and Quality Assurance”

— — — — —, NIRMA Guidelines TG 21-1998, “Electronic Records Protection and Restoration”

## **U.S. Army Corps of Engineers**

— — — — —, EM 1110-2-1420, “Engineering and Design, Hydrologic Engineering Requirement for Reservoirs,” 1997.

## **U.S. Geological Survey**

— — — — —, Open-File Report 2008-1128, “Documentation for the 2008 Update of the United States National Seismic Hazard Maps”

## **U.S. Nuclear Energy Institute**

— — — — —, NEI 03-12, “Template for the Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Independent Spent Fuel Installation Security Program,” Revision 6 (**Includes security-related or safeguards information and is not publicly available**)

— — — — —, NEI 04-07, “Pressurized Water Reactor Sump Performance Evaluation Methodology” Revision 0, Volume 1, as supplemented by the NRC in the “Safety Evaluation by The Office of Nuclear Reactor Regulation Related to NRC Generic Letter 2004-02”

— — — — —, NEI 06-06, “Fitness for Duty Program Guidance for New Nuclear Power Plant Construction Sites”

— — — — —, NEI 06-12, “B.5.b Phase 2 & 3 Submittal Guideline,” Revision 3 **(Not Publicly Available)**

— — — — —, NEI 06-13, “Template for an Industry Training Program Description”

— — — — —, NEI 06-13A, “Template for an Industry Training Program Description,” Revision 1

— — — — —, NEI 06-14A, “Quality Assurance Program Description,” Revision 7

— — — — —, NEI 07-01, “Methodology for Development of Emergency Action Levels Advanced Passive Light Water Reactors”

— — — — —, NEI 07-02A, “Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52”

— — — — —, NEI 07-03A, “Generic FSAR Template Guidance for Radiation Protection Program Description”

— — — — —, NEI 07-08A, “Generic FSAR Template Guidance for Ensuring That Occupational Radiation Exposures Are As Low As Is Reasonably Achievable (ALARA),” Revision 0

— — — — —, NEI 07-09, “Generic FSAR Template Guidance for Offsite Dose Calculation Manual (ODCM) Program Description” September 2007. (ADAMS Accession No. ML072600366.)

— — — — —, NEI 07-10, “FSAR Template Guidance for Process Control Program (PCP) Description”

— — — — —, NEI 07-11, “Generic FSAR Template Guidance for Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors,” Revision 0

— — — — —, NEI 08-08, “Generic FSAR Template Guidance for Life Cycle Minimization of Contamination,” Revision 0

— — — — —, NEI 08-08A, “Generic FSAR Template Guidance for Life Cycle Minimization of Contamination”

— — — — —, NEI 94-01, “Industry Guideline for Implementing the Performance-Based Option of 10 CFR Part 50, Appendix J”

— — — — —, NEI 97-06, “Steam Generator Program Guidelines”

— — — — —, NEI 99-04, “Guidelines for Managing NRC Commitment Changes,” Revision 0

— — — — —, NUMARC 87-00, “Guidelines and Technical Bases for NUMARC Initiatives Addressing Station Blackout at Light Water Reactors”

— — — — —, NUMARC 93-01, “Industry Guidance for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants” April 1996. (ADAMS Accession No. ML101020415.)

### **South Carolina Electric and Gas Company Documents**

— — — — —, Seismic Confirmatory Program, Virgil C. Summer Nuclear Station Unit 1, OL No. NPF-12, February 1983

— — — — —, Seismic Confirmatory Program Equipment Margin Study, Virgil C. Summer Nuclear Station Unit 1, OL No. NPF-12, November 1983

— — — — —, South Carolina Electric and Gas Company (SCE&G) VCSNS Procedure, HPP-0158, “Contamination Control for Equipment and Materials”

— — — — —, South Carolina Electric and Gas Company (SCE&G) VCSNS Procedure, HPP-0160, “Control and Posting of Radiation Control Zones”

### **V.C. Summer Nuclear Station (VCSNS)**

— — — — —, V.C. Summer Nuclear Station (VCSNS) Combined License (COL) Application, Revision 5

### **Westinghouse**

— — — — —, Westinghouse Calculation Note APP-GW-M1C-002, “AP1000 High Humidity HVAC Systems Design Evaluation”

— — — — —, Westinghouse Calculation Note APP-PGS-M3C-011, “AP1000 Gas Spill or Release Effects on Control Room Habitability,” Revision 0 and Revision 1

— — — — —, Westinghouse Calculation Note APP-VES-M3C-006, “Main Control Room Emergency Habitability from Toxic Chemical Effluents,” Revision 0 and Revision 1

— — — — —, Westinghouse Commercial Atomic Power (WCAP)-14655, “Designer’s Input to the Training of the Human Factors Engineering Verification and Validation Personnel”

— — — — —, Westinghouse Commercial Atomic Power (WCAP)-15985, “AP1000 Implementation of the Regulatory Treatment of Nonsafety-Related System Process”

— — — — —, Westinghouse Commercial Atomic Power (WCAP)-16361, APP-PMS-JEP-001, “Westinghouse Setpoint Methodology for Protection Systems – AP1000”

— — — — —, Westinghouse Technical Report (TR)-36, APP-GW-GLE-036, “Impact of a Revision to the Current Wet Bulb Temperature Identified in Table 5.0-1 (Tier 1) and Table 2-1 (Sheet 1 of 3) of the DCD (Revision 16)”

— — — — —, Westinghouse Technical Report (TR)-49, “AP1000 Enhancement Report

— — — — —, Westinghouse Technical Report (TR)-66, APP-GW-GLR-070, “Development of Severe Accident Management Guidelines”

— — — — —, Westinghouse Technical Report (TR)-68, APP-GW-GLR-069, “Equipment Survivability Assessment”

— — — — —, Westinghouse Technical Report (TR)-70, APP-GW-GLR-040, “Plant Operations, Surveillance, and Maintenance Procedures”

— — — — —, Westinghouse Technical Report (TR)-74A, APP-GW-GLR-064, “AP1000 Generic Technical Specifications Completion”

— — — — —, Westinghouse Technical Report (TR)-74C, APP-GW-GLN-075, “AP1000 Generic Technical Specifications for Design Changes”

— — — — —, Westinghouse Technical Report (TR)-94, APP-GW-GLR-066, “AP1000 Safeguards Assessment Report”

— — — — —, Westinghouse Technical Report (TR)-96, “Interim Compensatory Measures Report”

— — — — —, Westinghouse Technical Report (TR)-101, APP-GW-GLR-101, “AP1000 Probabilistic Risk Assessment Site-Specific Considerations”

— — — — —, Westinghouse Technical Report (TR)-136, APP-GW-GLR-136, Revision 1, “AP1000 Human Factors Program Implementation for the Emergency Operations Facility and Technical Support Center”

— — — — —, Westinghouse TPG-GW-GSC-001, Revision 0, “WGOTHIC Containment Peak Pressure Analysis for the Evaluation of FP&L Turkey Point COL Maximum Wet Bulb Temperature Departure from DCD”

— — — — —, Westinghouse APP-OCS-J1-002, “AP1000 HSI Design Guidelines”

— — — — —, Westinghouse “APP-SFS-M3C-042, Revision 0, SFS HX Sizing Calculation Using Florida Power and Light (Turkey Point) Increased Wet Bulb Temperatures”

#### Other References

— — — — —, AP1000 Design Control Document (DCD), Revision 19

— — — — —, Caldon Topical Report, ER-157P, “Supplement to Topical Report ER-80P: Basis for a Power Uprate with the LEFM Check or Checkplus™ System,” Revision 8

— — — — —, Javandel, I., C. Doughty, and C.F. Tsang, 1984: Groundwater Transport: Handbook of Mathematical Models, Water Resources Monograph 10, American Geophysical Union, 1984

— — — — —, Letter to NRC from Technical Specification Task Force Traveler, Revision 4, TSTF-449, “Steam Generator Tube Integrity,” April 14, 2005. (ADAMS Accession No. ML051090200.)

— — — — —, Letter to NRC from Technical Specification Task Force, Revision 0, Transmittal of TSTF-511 “Eliminate Working Hour Restrictions from TS 5.2.2 to Support Compliance with 10 CFR Part 26 [‘Fitness for Duty Programs’],” September 22, 2008. (ADAMS Accession No. ML082670291.)

— — — — —, NuStart Technical Report, AP-TR-NS01-A, Revision 2, “Containment Leak Rate Test Program,” dated April 4, 2007





## APPENDIX E. PRINCIPAL CONTRIBUTORS

Name	Responsibility
Ahmed, Sardar	Engineering Mechanics
Ahn, Hosung	Hydrology
Anderson, Brian	Project Management
Andrukat, Dennis	Plant Systems
Barnhurst, Daniel	Hydrology
Barss, Daniel	Emergency Planning
Bavol, Bruce	Project Management
Bongarra, James	Human Factors
Budzynski, John	Reactor Systems
Caruso, Mark	Probabilistic Risk Assessment/Severe Accidents
Chalk, Wayne	Fitness for Duty
Chapman, Travis	Technical Specifications
Chen, Pei-Ying	Engineering Mechanics
Cheung, Calvin	Instrumentation and Control
Chien, Nan	Containment Systems
Chopra, Om	Electrical Engineering
Chuang, Tze-Jer	Structural Engineering
Cicotte, George	Radioactive Waste Management/Process & Effluent Monitoring Systems
Clinton, Rebecca	Special Nuclear Material Security
Coflin, Monika	Plant Security
Comar, Manny	Project Management
Curran, Gordon	Plant Systems
Dinh, Thinh	Fire Protection
Dority, Dayna	Technical Specifications
Downey, Steven	Component Integrity Performance Testing
Echols, Stan	Special Nuclear Material Safety Analysis
Forsaty, Fred	Reactor Systems
Frost, John	Plant Security
Galletta, Thomas	Project Management
George, James	Geosciences and Geotechnical Engineering
Goel, Raj	Containment Systems
Goetz, Sue	Project Management
Goldstein, Kay	Licensing Assistant
Grady, Anne-Marie	Containment Systems
Green, Sharon	Licensing Assistant
Habib, Donald	Project Management

<b>Name</b>	<b>Responsibility</b>
Haggerty, Sharon	Management Analyst
Hammer, Gary	Component and Integrity Performance Testing
Harris, Larry	Special Nuclear Material Security
Harris, Paul	Fitness for Duty
Hart, Michelle	Accident Analysis
Hayes, Michelle	Containment Systems
Hernandez, Raul	Plant Systems
Hinson, Charles	Health Physics
Hood, Tanya	Project Management
Honcharik, John	Component Integrity Performance Testing; Materials
Hsii, Yi-Hsiung	Reactor Systems
Hsu, Kaihwa	Engineering Mechanics
Huang, Jason	Engineering Mechanics
Jackson, Christopher	Containment Systems
Jenkins, Joel	Materials Engineering
Johnson, Judy	Security
Jones, Henry	Hydrology
Joshi, Ravindra	Project Management
Kavanagh, Kerri	Quality Assurance
Kellum, James	Operator Training
Kelly, Glenn	Probabilistic Risk Assessment
Kleeh, Edmund	Technical Specifications
Koenick, Steve	Project Management
Lange, Walter	Emergency Planning
Law, Yiu	Engineering Mechanics
Le, Hien	Technical Specifications
Le, Tuan	Engineering Mechanics
Lee, Eric	Cyber Security
Lee, Jay	Radiological Dose Analysis
Li, Chang-Yang	Plant Systems
Li, Yueh-Li ( Renee)	Engineering Mechanics
Li, Yong	Geology and Seismology
Lintz, Mark	Operator Training
Lyon, Warren	Reactor Systems
Ma, John	Structural Engineering
Makar, Gregory	Materials Engineering
Martinez-Navedo, Tania	Electrical Engineering
McGovern, Denise	Project Management
McNally, Richard	Engineering Mechanics

<b>Name</b>	<b>Responsibility</b>
Melnicoff, Mark	Plant Systems
Minarik, Anthony	Project Management
Misenhimer, David	Project Management
Moody, Robert	Emergency Planning
Morton, Wendell	Plant Systems
Mott, Kenneth	Instrumentation and Controls
Munson, Clifford	Geology and Seismology
Musico, Bruce	Emergency Planning
Nakanishi, Tony	Reactor Systems
O'Driscoll, James	Containment Systems
Oesterle, Eric	Project Management
Ortega-Luciano, Jonathan	Quality Assurance
Pal, Amar	Electrical Engineering
Patel, Chandu	Project Management
Patel, Raju	Quality Assurance/Initial Test Programs
Patterson, Malcolm	Probabilistic Risk Assessment (PRA)/Severe Accidents
Pelton, Richard	Operator Training
Peng, Shie-Jeng	Containment Systems
Peralta, Juan	Quality Assurance/Initial Test Program
Pieringer, Paul	Human Factors
Plaza-Toledo	Geology
Poehler, Jeffrey	Material Engineering
Powell, Eric	PRA/Severe Accidents
Quinlan, Kevin	Meteorology
Radlinski, Robert	Fire Protection
Rajan, Jai	Engineering Mechanics
Ray, Nihar	Materials Engineering
Reddy, Devender	Plant Systems
Reichelt, Eric	Component Integrity Performance Testing
Roach, Edward	Health Physics
Rodriquez, Rafael	Special Nuclear Material Safety Analysis
Rycyna, John	Cyber Security
Sastre, Eduardo	Chemical Engineering
Scarbrough, Thomas	Component Integrity Performance Testing
Schaffer, Steve	Radioactive Waste Management/Process & Effluent Monitoring Systems
Schroer, Suzanne	PRA/Severe Accidents
Scully, Derek	Technical Specifications
Sebrosky, Joseph	Project Management

<b>Name</b>	<b>Responsibility</b>
See, Kenneth	Hydrology
Sekerak, Patrick	Engineering Mechanics
Shum, David	Plant Systems
Sisk, David	Site Hazards
Smith, Will	Security
Spicher, Terri	Project Management
Steingass, Timothy	Materials Engineering
Stirewalt, Gerry	Geology and Seismology
Strnisha, James	Component Integrity
Stubbs, Angelo	Plant Systems
Szabo, Aaron	Financial
Tabatabai, Sarah	Geology & Seismology
Tammara, Rao	Site Hazards
Tegeler, Bret	Structural Engineering
Thomas, Vaughn	Structural Engineering
Thompson, Jenise	Geosciences & Geotechnical Engineering
Tjader, Theodore	Technical Specifications
Truong, Tung	Instrumentation & Controls
Ullrich, Elizabeth	Byproduct and Source Material Safety Analysis
Valentin-Olmeda, Milton	Structural Engineering
Van Wert, Christopher	Reactor Systems
Vega, Frankie	Geotechnical Engineering
Votolato, Dori	Security
Walker, Jacqwan	Human Factors
Wang, Weijun	Geotechnical Engineering
Wentzel, Michael	Project Management
Wheeler, Larry	Plant Systems
White, Duncan	Byproduct and Source Material Safety Analysis
Wilson, Joshua	Plant Systems
Wong, Yuken	Engineering Mechanics
Wray, Barry	Special Nuclear Material Security
Wright, Ned	Emergency Planning
Wu, Cheng-Ih	Engineering Mechanics
Zhang, Jing	Instrumentation and Control

## APPENDIX F

### REPORT BY THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
WASHINGTON, DC 20555 - 0001

February 17, 2011

The Honorable Gregory B. Jaczko  
Chairman  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: REPORT ON THE SAFETY ASPECTS OF THE SOUTH CAROLINA  
ELECTRIC AND GAS COMPANY COMBINED LICENSE APPLICATION  
FOR V.C. SUMMER NUCLEAR STATION, UNITS 2 AND 3

Dear Chairman Jaczko:

During the 580<sup>th</sup> meeting of the Advisory Committee on Reactor Safeguards (ACRS), February 10-12, 2011, we reviewed the NRC staff's Advanced Safety Evaluation Report (ASER) for the pending South Carolina Electric and Gas Company (SCE&G) Combined License Application (COLA) for the V.C. Summer Nuclear Station (VCSNS), Units 2 and 3. This application conforms to the design-centered review approach (DCRA).<sup>1</sup> The DCRA is Commission policy which allows the staff to perform one technical review and reach a decision for each COLA standard issued outside the scope of the design certification and to use this review and decision to support decisions on multiple COLAs.

The first COLA that receives a complete NRC staff review is designated as the reference COLA (RCOLA). Any subsequent application referencing the same design is designated as a subsequent COLA (SCOLA). In September 2008, the Westinghouse Electric Company (WEC) submitted Revision 17 of the design control document (DCD), describing the standard design for the AP1000 advanced pressurized water reactor. We reviewed the application and issued letter reports in December 2010 (for the DCD amendment and long-term core cooling) and in January 2011 (for the Aircraft Impact Assessment). In parallel, we reviewed Southern Nuclear Operating Company's Vogtle Electric Generating Plant (VEGP), Units 3 and 4, RCOLA and issued a letter report on January 24, 2011.

---

<sup>1</sup> The DCRA is described in Regulatory Issue Summary (RIS) 2006-06, "New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach," as endorsed by the Commission's Staff Requirements Memorandum in response to SECY-06-0187, "Semiannual Update of the Status of New Reactor Licensing Activities and Future Planning for New Reactors," dated November 16, 2006.

The VCSNS COLA is an AP1000 SCOLA. Our AP1000 Subcommittee held two meetings (July 21-22, 2010, and January 10-11, 2011) to review various chapters of the SCOLA and the staff's ASER. During these meetings, we met with representatives of the NRC staff, SCE&G and its vendors, and with the public. We also had the benefit of the documents referenced. This report fulfills the requirement of 10 CFR 52.87 that the ACRS report on those portions of the application which concern safety.

#### **CONCLUSIONS AND RECOMMENDATIONS**

1. There is reasonable assurance that VCSNS, Units 2 and 3, can be built and operated without undue risk to the health and safety of the public. The SCOLA for VCSNS, Units 2 and 3, should be approved following its final revision.
2. Recommendations 2 through 5 in our January 24, 2011, letter concerning the VEGP, Units 3 and 4, RCOLA are also applicable to the VCSNS, Units 2 and 3, SCOLA.
3. The staff should limit the use of the current version of the HABIT code to neutral density gas dispersion modeling.

#### **BACKGROUND**

By letter dated March 27, 2008, SCE&G submitted a combined license application to the NRC for VCSNS, Units 2 and 3, in accordance with the requirements of 10 CFR Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants." In the application, SCE&G stated that VCSNS, Units 2 and 3, would be two Westinghouse AP1000 advanced pressurized water reactor units and would be located at the existing VCSNS site.

As an AP1000 SCOLA, SCE&G has organized and annotated its application to identify: a) sections that incorporate by reference the AP1000 DCD; b) sections that are standard for COL applicants in the AP1000 RCOLA; and c) sections that are site-specific and thus only apply to VCSNS, Units 2 and 3.

#### **DISCUSSION**

Our review of the VCSNS, Units 2 and 3, SCOLA was conducted in parallel with our review of both the AP1000 Design Certification Amendment application and the VEGP, Units 3 and 4, RCOLA. As a consequence, the RCOLA and SCOLA on which the staff's ASER is based reference Revision 17 of the DCD, whereas the current version is Revision 18, and there may be a further revision prior to certification rulemaking. Similarly, the SCOLA utilizes standard content in the RCOLA which may be revised prior to approval. Since the remaining licensing steps do not provide for further ACRS review of the DCD, RCOLA, or VCSNS Units 2 and 3 SCOLA revisions that incorporate changes in design and commitments made by applicants during our reviews, the staff should review with us any changes and commitments which deviate significantly from those presented during our review.

Since the VCSNS, Units 2 and 3, SCOLA relies on the standard information found in the RCOLA, the recommendations described in our January 24, 2011, letter concerning the VEGP, Units 3 and 4, RCOLA in the following areas are also applicable to our VCSNS, Units 2 and 3, SCOLA assessment: containment interior debris limitation, in-service inspection/ in-service testing program requirements for squib valves, power uncertainty measurement, and incorporation of DCD or COLA changes. Likewise, the discussion of site-specific probabilistic risk assessment in our January 24, 2011, letter is applicable.

#### The V. C. Summer Nuclear Station Site

VCSNS is located approximately 30 miles northwest of Columbia, in Jenkinsville, South Carolina. The site location is adjacent to, and elevated about 150 ft. above, the Parr Reservoir which is created by a dam on the Broad River. It is also adjacent to the Monticello Reservoir. A nearby pumped storage facility connects the two reservoirs. VCSNS Unit 1 began commercial operation in 1984. The site location relative to water courses and topography effectively precludes flooding as a hazard to the site. The expanded three-unit nuclear station, in addition to the pumped storage facility, will be served by twelve 230 kV transmission lines.

#### Offsite Hazards

The review of offsite hazards for VCSNS, Units 2 and 3, included toxic gas that might be released by a transportation accident on the Norfolk Southern rail line located approximately one mile from the plant. SCE&G used a public domain United States Environmental Protection Agency developed computer code, ALOHA, which treats appropriately the modeling of the dispersion of both heavy and neutral-density gases.

Analysis results using ALOHA showed that vapor cloud explosions do not pose a threat to safety-related structures, systems, and components at VCSNS, Units 2 and 3. The analysis was performed using conservative assumptions such as dispersion over flat terrain, whereas the plant is located well above possible release locations on the rail line. Shock pressures were well below 1 psi, which is considered the minimum pressure wave amplitude to cause damage. The analysis also showed that toxic vapor clouds would not lead to control room concentrations that would pose a threat to operators.

For its confirmatory calculations of toxic gas effects, the staff used the HABIT code. However, HABIT only models neutral density gas dispersion and does not consider heavy gas effects. The calculated concentrations are lower than those in the ALOHA analyses, which is to be expected in view of several postulated releases consisting of heavy gases, which disperse more slowly.

In our letter report dated September 16, 1999, we recommended that "the staff should document evidence of the validity and the capability of computer codes endorsed in regulatory guides such as the HABIT code." During our full committee meeting on February 10, 2011, the staff stated that it is pursuing validation of some aspects of the HABIT code. We recommend that use of the current version of HABIT be limited to neutral density gas dispersion modeling.

### Seismic Source Model

SCE&G used source models provided by the Electric Power Research Institute. These were updated in light of more recent data and evolving knowledge, particularly for the Charleston and New Madrid Seismic Source Zones. No modifications to the Eastern Tennessee Seismic Source Zone were required. The VCSNS, Units 2 and 3, site-specific safe shutdown earthquake (SSE) was developed in accordance with Regulatory Guide 1.208, "A Performance-Based Approach to Define the Site-Specific Earthquake Ground Motion," and information that was used in the VEGP, Units 3 and 4, Early Site Permit review and approval. Following our initial subcommittee meeting in July 2010, the seismic source information was updated.

### Seismic Design Parameters

The peak ground acceleration (PGA) values for horizontal and vertical ground motions are 0.23g and 0.22g, respectively. The input seismic design ground motion response spectra (GMRS) for the SSE in the free field at plant grade exceeds the standard AP1000 certified seismic design response spectra (CSDRS) at frequencies of about 15 to 80 Hz (horizontal) and 20 to 80 Hz (vertical). However, the VCSNS site meets the AP1000 DCD criteria for a hard rock site, and the site-specific GMRS is bounded by the AP1000 hard rock high frequency spectrum. The staff concluded that the technical bases described in the AP1000 DCD were applicable to VCSNS, Units 2 and 3, for justifying that high-frequency exceedances of the AP1000 CSDRS are considered to be non-damaging.

### Monitoring for Leakage from the Radioactive Waste Discharge Line

Liquid radioactive waste is diluted to below allowable offsite discharge limits by onsite blending with cooling tower blowdown. It then flows offsite through approximately one mile of high density polyethylene (HDPE) pipe downgrade to an outfall at the Parr Reservoir. Piping connections at the onsite blending location will be accessible for inspection, but the downstream portion of the line will be buried along a rail spur and will not be readily accessible for inspection.

Although this material has excellent properties and is acceptable for its intended service, operating experience in nuclear power plants is limited. Localized lack of fusion can occur during the joining of HDPE piping segments in the field. Such defects, if not detected by initial inspection and hydrostatic testing and repaired, can propagate through the pipe wall by slow crack growth. Since many joints will be formed in the field with no provision to inspect them using volumetric (UT) methods, undetected defects may grow and cause leaks during the 60-year service life of the pipe.

Monitoring wells will be relied upon as the only method for detecting groundwater contamination. SCE&G's groundwater monitoring program should be designed to provide for early detection of any leaks that develop in the HDPE waste water discharge line. The monitoring wells should detect contamination close to the pipe along its entire run, before it becomes widespread, and well before compliance with 10 CFR 20.1406 is challenged.



Deviation from RCOLA Standard Approach

As compared to the VEGP RCOLA, the VCSNS, Units 2 and 3, SCOLA included only one additional departure or exemption of note from the DCD. There is a slight increase in the maximum, safety, non-coincident wet bulb temperature of 1.2°F above the AP1000 DCD value of 86.1°F. The effects of this increase were evaluated by the staff and determined to be acceptable.

In summary, we agree with the staff's conclusions as documented in the staff's ASER regarding the safety issues associated with the SCE&G COLA for VCSNS, Units 2 and 3. We conclude that there is reasonable assurance that VCSNS, Units 2 and 3, can be built and operated without undue risk to the health and safety of the public. The SCE&G COLA for VCSNS, Units 2 and 3, should be approved following its final revision.

Sincerely,

*/RA/*

Said Abdel-Khalik  
Chairman

**REFERENCES**

1. Southern Carolina Electric and Gas Company (SCE&G) Letter, "Combined License Application for V.C. Summer Nuclear Station Units 2 and 3," dated March 27, 2008 (ML081300460)
2. SCE&G Letter, "Combined License Application for V.C. Summer Nuclear Station Units 2 and 3," Revision 2, dated January 28, 2010 (ML100350739) (Rev. 2 was used as the basis for the staff's ASER)

3. During the course of ACRS review, the staff provided the following ASER chapters:

Chapter	Chapter Title	Transmittal Memo to ACRS (Accession Numbers)	ASER (Accession Numbers)
1	Introduction and Interfaces	ML101550427	ML101370358
2	Site Characteristics (without Hydrology)	ML101550273	ML101390008
	Section 2.4 (Hydrology)	ML102450029	ML102140255
3	Design of Structures, Components, Equipment, and Systems	ML101550236	ML103070512
4	Reactor	ML101450515	ML100621218
5	Reactor Coolant System and Connected Systems	ML101550558	ML100670055
6	Engineered Safety Features	ML102080334	ML102980694
7	Instrumentation and Controls	ML101540411	ML101370712
8	Electric Power	ML101540620	ML102370262
9	Auxiliary Systems	ML101540643	ML102670044
10	Steam and Power Conversion Systems	ML101450456	ML101020031
11	Radioactive Waste Management	ML101550661	ML100700102
12	Radiation Protection	ML101550687	ML101820007
13	Conduct of Operations (without Emergency Planning)	ML103200058	ML100840174
	Section 13.3 (Emergency Planning)	ML101550691	ML102020681
14	Initial Test Programs	ML101550695	ML102660181
15	Accident Analysis	ML101550697	ML103070532
16	Technical Specifications	ML101550699	ML101890864
17	Quality Assurance	ML101550701	ML101890606
18	Human Factors Engineering	ML101550703	ML101250016
19	Probabilistic Risk Assessment	ML103010338	ML102950269
19 Appendix 19.A	Loss of Large Areas of the Plant due to Explosions or Fires (LOLA)	ML101590342	Public Version ML103350636  Non-Public Version ML103370008
Appendix A	License Conditions, ITAAC, and FSAR Commitments	ML101550427	ML103360056

4. ACRS Letter, "Report on the Final Safety Evaluation Report Associated with the Amendment to the AP1000 Design Control Document," dated December 13, 2010 (ML103410351)
5. ACRS Letter, "Long-Term Core Cooling for the Westinghouse AP1000 Pressurized Water Reactor," dated December 20, 2010 (ML103410348)
6. ACRS Letter, "Report on the Safety Aspects of the Southern Nuclear Operating Company Combined License Application for Vogtle Electric Generating Plant, Units 3 and 4," January 24, 2011 (ML110170006)



<b>NRC FORM 335</b> (12-2010) NRCMD 3.7	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	<b>1. REPORT NUMBER</b> (Assigned by NRC, Add Vol., Supp., Rev., and Addendum Numbers, if any.)  NUREG-2153, Volume 3
<b>2. TITLE AND SUBTITLE</b> Final Safety Evaluation Report for Combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3	<b>3. DATE REPORT PUBLISHED</b>	
	MONTH SEPT	YEAR 2013
<b>5. AUTHOR(S)</b> Denise McGovern	<b>4. FIN OR GRANT NUMBER</b>	
	<b>6. TYPE OF REPORT</b> Technical	
<b>8. PERFORMING ORGANIZATION - NAME AND ADDRESS</b> (If NRC, provide Division, Office or Region, U. S. Nuclear Regulatory Commission, and mailing address; if contractor, provide name and mailing address.) Division of New Reactor Licensing Office of New Reactors U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001	<b>7. PERIOD COVERED (Inclusive Dates)</b>	
<b>9. SPONSORING ORGANIZATION - NAME AND ADDRESS</b> (If NRC, type "Same as above", if contractor, provide NRC Division, Office or Region, U. S. Nuclear Regulatory Commission, and mailing address.)  same as above		
<b>10. SUPPLEMENTARY NOTES</b> Dockets 52-027 and 52-028		
<b>11. ABSTRACT (200 words or less)</b>  This final safety evaluation report (FSER) documents the U.S. Nuclear Regulatory Commission (NRC) staff's technical review of the combined license (COL) application submitted by South Carolina Electric & Gas (SCE&G or the applicant), for the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3.  By letter dated March 27, 2008, SCE&G submitted its application to the NRC for COLs for two AP1000 advanced passive pressurized water reactors (PWRs) pursuant to the requirements of Sections 103 and 185(b) fo the Atomic Energy Act of 1954, as amended; Title 10 of the Code of Federal Regulations (10 CFR) Part 52, "Licenses, certifications and approvals for nuclear power plants"; and the associated material licenses under 10 CFR Part 30, "Rules of general applicability to domestic licensing of byproduct material"; 10 CFR Part 40, "Domestic licensing of source material"; and 10 CFR Part 70, "Domestic licensing of special nuclear material." These reactors are identified as VCSNS Units 2 and 3, and will be located on the existing VCSNS site in Jenkinsville, South Carolina.		
<b>12. KEY WORDS/DESCRIPTORS</b> (List words or phrases that will assist researchers in locating the report.)  Virgil C. Summer Nuclear Station Units 2 and 3 Combined License (COL) Final Safety Evaluation Report (FSER) Inspections, Tests, Analyses and Acceptance Criteria (ITAAC)	<b>13. AVAILABILITY STATEMENT</b> unlimited	
	<b>14. SECURITY CLASSIFICATION</b> (This Page) unclassified	
	(This Report) unclassified	
	<b>15. NUMBER OF PAGES</b>	
<b>16. PRICE</b>		



Federal Recycling Program





**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, DC 20555-0001  
-----  
OFFICIAL BUSINESS



**NUREG-2153  
Volume 3**

**Final Safety Evaluation Report for Combined Licenses for  
Virgil C. Summer Nuclear Station, Units 2 and 3**

**September 2013**