

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE COMMISSION

In the Matter of )  
 )  
SOUTH CAROLINA ELECTRIC AND GAS )  
COMPANY ) Docket Nos. 52-027 and 52-028  
 )  
(Virgil C. Summer Nuclear Station, )  
Units 2 and 3) )

NRC STAFF EXHIBIT LIST

Pursuant to the Commission's Scheduling Order dated September 29, 2011, the staff of the U.S. Nuclear Regulatory Commission ("Staff") hereby provides its exhibit list for the mandatory hearing. Consistent with the Scheduling Order, exhibits NRC00003 through NRC00015 will be filed electronically through the NRC's E-filing system. Due to their size, it was not feasible to file exhibits NRC000001 and NRC000002 through the NRC's E-filing system. Properly marked versions of these exhibits have been provided on a DVD to the Office of Commission Appellate Adjudication and the Office of the Secretary and a copy has been mailed to counsel for South Carolina Electric and Gas. NRC00001 is the public version of the combined license application, and NRC000002 is the non-public version of the combined license application. The substance of NRC000001 appears in its entirety on the NRC's public website at <http://www.nrc.gov/reactors/new-reactors/col/summer/documents.html>.

**/Signed (electronically) by/**

Jody C. Martin  
Counsel for the NRC Staff  
U.S. Nuclear Regulatory Commission  
Mail Stop O-15 D21  
Washington, D.C. 20555-0001  
(301) 415-1569  
(301) 415-3725 fax  
Jody.Martin@nrc.gov

Dated at Rockville, Maryland  
This 5<sup>th</sup> day of October 2011

# ATTACHMENT A

NRC Staff Exhibit List

### NRC Staff Exhibit List

Exhibit Number	Panel Number/ Sponsoring Witness(es)	Document Description/Title
NRC00001A	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 1 – General and Administrative Information
NRC00001B	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Table of Contents through Chapter 1
NRC00001C	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Table of Contents through Page 2.4-124
NRC00001D	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.4-125 through 2.4-143
NRC00001E	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.4-144 through 2.4-163
NRC00001F	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.4-164 through 2.5.1-84
NRC00001G	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.5.1-85 through 2.5.1-100
NRC00001H	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.5.1-101 through 2.5.1-120
NRC00001I	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.5.2-i through 2.5.6-1
NRC00001J	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 2 – Final Safety Analysis Report – Chapters 3 Through 19
NRC00001K	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 3 – Environmental Report – Table of Contents through Chapter 1
NRC00001L	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 3 – Environmental Report – Chapter 2 – Table of Contents through Page 2.2-24

NRC00001M	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 3 – Environmental Report – Chapter 2 – Pages 2.3-1 through 2.5-91
NRC00001N	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 3 – Environmental Report – Chapter 2 – Pages 2.6-1 through 2.9-3
NRC00001O	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 3 – Environmental Report – Chapter 3 through Appendix A
NRC00001P	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Parts 4, 7, and 10
NRC00001Q	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Final Report: Results of Geotechnical Exploration and Testing
NRC00001R	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment A – Part 1
NRC00001S	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment A – Part 2
NRC00001T	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment A – Part 3
NRC00001U	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 1
NRC00001V	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 2
NRC00001W	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 3
NRC00001X	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 4
NRC00001Y	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 5
NRC00001Z	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 6
NRC0001AA	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 7
NRC0001AB	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 8
NRC0001AC	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 9
NRC0001AD	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment B – Part 10



NRC0001AX	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment F – Part 6
NRC0001AY	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment F – Part 7
NRC0001AZ	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment F – Part 8
NRC0001BA	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment F – Parts 9 and 10
NRC0001BB	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachments G and H
NRC0001BC	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Part 11 – Attachment I
NRC0001BD	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – Public Version – Parts 12 through 18
NRC00002A	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 1 – General and Administrative Information
NRC00002B	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Table of Contents through Chapter 1
NRC00002C	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Table of Contents through Page 2.4-124
NRC00002D	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.4-125 through 2.4-143
NRC00002E	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.4-144 through 2.4-163
NRC00002F	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.4-164 through 2.5.1-84
NRC00002G	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.5.1-85 through 2.5.1-100
NRC00002H	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.5.1-101 through 2.5.1-120

NRC00002I	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapter 2 – Pages 2.5.2-i through 2.5.6-1
NRC00002J	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 2 – Final Safety Analysis Report – Chapters 3-19
NRC00002K	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 3 – Environmental Report – Table of Contents through Chapter 1
NRC00002L	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 3 – Environmental Report – Chapter 2 – Pages 2-i through 2.2-24
NRC00002M	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 3 – Environmental Report – Chapter 2 – Pages 2.3-1 through 2.3-136
NRC00002N	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 3 – Environmental Report – Chapter 2 – Pages 2.4-1 through 2.9-3
NRC00002O	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 3 – Environmental Report – Chapters 3-10
NRC00002P	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 4 – Technical Specifications
NRC00002Q	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 5 – Plant Emergency Plan
NRC00002R	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 5 – Evacuation Time Estimates
NRC00002S	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 5 – Local Emergency Plans
NRC00002T	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 5 – State Emergency Plan
NRC00002U	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Parts 7, 9, and 10
NRC00002V	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Final Report: Results of Geotechnical Exploration and Testing
NRC00002W	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment A – Part 1
NRC00002X	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment A – Part 2





NRC0002AR	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment E – Part 7
NRC0002AS	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment E – Part 8
NRC0002AT	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment E – Part 9
NRC0002AU	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment E – Part 10
NRC0002AV	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment E – Part 11
NRC0002AW	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment E – Part 12
NRC0002AX	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Part 1
NRC0002AY	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Part 2
NRC0002AZ	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Part 3
NRC0002BA	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Parts 4-5
NRC0002BB	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Part 6
NRC0002BC	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Part 7
NRC0002BD	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Part 8
NRC0002BE	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment F – Parts 9-10
NRC0002BF	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachments G-H
NRC0002BG	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Part 11 – Attachment I
NRC0002BH	Overview / Frank Akstulewicz	V.C. Summer Combined License Application – Revision 5 – <b>NON-PUBLIC</b> Version – Parts 12-18
NRC000003	Overview / Frank Akstulewicz	SECY-11-0115, “Staff Statement in Support of the Uncontested Hearing For Issuance of Combined Licenses for the Virgil C. Summer Nuclear Station, Units 2 and 3 (ADAMS Accession No. ML111320113).

NRC000004	Overview / Frank Akstulewicz	Final Safety Evaluation Report for Combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3 (August 2011) – Public Version (ADAMS Accession No. ML110450305).
NRC000005	Overview / Frank Akstulewicz	Final Safety Evaluation Report for Combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3 (August 2011), Chapter 19, Attachment A to Appendix 19.A <b>[NON-PUBLIC]</b> (ADAMS Accession No. ML110310216).
NRC00006A	Overview / Scott Flanders	NUREG-1939, Vol. 1, Final Environmental Impact Statement for combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3 (ADAMS Accession No. ML11098A044).
NRC00006B	Overview / Scott Flanders	NUREG-1939, Vol. 2, Final Environmental Impact Statement for combined Licenses for Virgil C. Summer Nuclear Station Units 2 and 3 (ADAMS Accession No. ML11098A057).
NRC000007	Overview / Frank Akstulewicz	NRC Staff Responses to Commission Pre-Hearing Questions.
NRC000008	Overview / Frank Akstulewicz	NRC Staff Overview Presentation Slides.
NRRCR00009	SER Panel 1 / Joseph Sebrosky	NRC Staff SER Panel 1 Presentation Slides.
NRRCR00010	SER Panel 2 / Ken See	NRC Staff SER Panel 2 Presentation Slides.
NRRCR00011	SER Panel 3 / Donald Habib	NRC Staff SER Panel 3 Presentation Slides.
NRRCR00012	Environmental Overview Panel 1 / Patricia Vokoun	NRC Staff Environmental Panel 1 Presentation Slides.
NRC000013	Environmental Overview Panel 2 / Ryan Whited	NRC Staff Environmental Panel 2 Presentation Slides.
NRC000014	SER Panel 2 / Gerry Stirewalt	The rock sample on the left side of the image is a portion of the core collected at a depth of 125.55-128.3 feet in borehole # B-301A at the location of the Unit 2 nuclear island excavation. The rock unit, classified geologically as a quartz diorite, is an intrusive igneous rock mass that is about 307 million years in age. This igneous body was intruded by the quartz monzonite, the other igneous rock mass found in the excavation that is illustrated in NRC000015. The rock sample on the right side of the image is a hand sample of both the quartz diorite and the quartz monzonite collected from the Unit 2 nuclear island excavation. The darker-colored portion of the hand sample is the quartz diorite and the lighter-colored portion of the hand sample is the quartz monzonite.

NRC000015	SER Panel 2 / Gerry Stirewalt	The rock sample on the left side of the image is a portion of the core collected at a depth of 57.1-59.15 feet in borehole # B-201 at the location of the Unit 2 nuclear island excavation. The rock unit, classified geologically as a quartz monzonite, is an intrusive igneous rock mass that is about 307 million years in age. This igneous body intruded the quartz diorite, another igneous rock mass found in the excavation that is illustrated in NRC000014. The rock sample on the right side of the image is a hand sample of the same rock unit collected from the Unit 2 nuclear island excavation.
NRC000016	SER Panel 3 / Donald Habib	This photograph shows the results of joining two pieces of high density polyethylene pipes together using the "butt fusion" process.

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)  
SOUTH CAROLINA ELECTRIC AND GAS )  
COMPANY )  
) Docket Nos. 52-057 and 52-028  
(Virgil C. Summer Nuclear Station )  
Units 2 and 3 )

CERTIFICATE OF SERVICE

I hereby certify that copies of the "NRC Staff Exhibit List" have been served upon the following persons by Electronic Information Exchange this 5th day of October, 2011:

Office of Commission Appellate  
Adjudication  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
E-mail: ocaamail@nrc.gov

Office of the Secretary  
ATTN: Docketing and Service  
Mail Stop 0-16C1  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
E-mail: HEARINGDOCKET@nrc.gov

SCANA Corporation  
1426 Main Street  
Columbia, S.C. 29201  
Alvis J. Bynum, Jr., Esq.  
Associate General Counsel  
for Major Projects  
abynum@scana.com

Kathryn M. Sutton, Esq  
Lawrence J. Chandler, Esq.  
Stephen J. Burdick, Esq.  
Morgan Lewis & Bockius LLP  
1111 Pennsylvania Avenue, N.W.  
Washington, D.C. 2004  
ksutton@morganlewis.com  
lchandler@morganlewis.com  
sburdick@morganlewis.com

**/Signed (electronically) by/**

Jody C. Martin  
Counsel for NRC Staff  
U.S. Nuclear Regulatory Commission  
Mail Stop O-15 D21  
Washington, DC 20555-0001  
(301) 415-1569  
Jody.Martin@nrc.gov