

April 19, 2006

Mr. Jeffery Archie
Vice President, Nuclear Operations
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88
Jenkinsville, South Carolina 29065

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION - REQUEST FOR ADDITIONAL
INFORMATION REGARDING LOSS OF COOLANT ACCIDENT ANALYSIS
(TAC NO. MC8262)

Dear Mr. Archie:

The Nuclear Regulatory Commission staff is reviewing the license amendment application for the Virgil C. Summer Nuclear Station dated June 30, 2005, concerning the methodology for best estimate loss-of-coolant accident analysis and find that we need additional information as identified in the enclosure.

Please contact me if you have any questions.

Sincerely,

/RA/

Robert E. Martin, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-395

Enclosure:
Request for Additional Information

cc: See next page

April 19, 2006

Mr. Jeffery Archie
Vice President, Nuclear Operations
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88
Jenkinsville, South Carolina 29065

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION - REQUEST FOR ADDITIONAL
INFORMATION REGARDING LOSS OF COOLANT ACCIDENT ANALYSIS
(TAC NO. MC8262)

Dear Mr. Archie:

The Nuclear Regulatory Commission staff is reviewing the license amendment application for the Virgil C. Summer Nuclear Station dated June 30, 2005, concerning the methodology for best estimate loss-of-coolant accident analysis and find that we need additional information as identified in the enclosure.

Please contact me if you have any questions.

Sincerely,

/RA/

Robert E. Martin, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-395

Enclosure:
Request for Additional Information

cc w encl: See next page

Distribution:

| | |
|-----------------------------|-----------------------------|
| Public | RidsOgcRp |
| LPL2-1 r/f | RidsAcrcAcnwMailCenter |
| RidsNrrDorLp2-1(EMarinos) | RidsRgn2MailCenter(KLandis) |
| RidsNrrPMRMartin(hard copy) | F. Orr, NRR |
| RidsNrrLACSola(hard copy) | RidsNrrDorIDpr |

ADAMS Accession No.: ML060930439

NRR-088

| | | | |
|--------|---------------|---------------|---------------|
| OFFICE | NRR/LPL2-1/PM | NRR/LPL2-1/LA | NRR/LPL2-1/BC |
| NAME | RMartin:em | CSola | EMarinos |
| DATE | 04/12/06 | 04/18/06 | 04/19/06 |

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION

BEST ESTIMATE LOSS-OF-COOLANT ACCIDENT ANALYSIS

VIRGIL C. SUMMER NUCLEAR STATION

1. Please provide a statement to the effect that: South Carolina Electric & Gas and its large break loss-of-coolant accident (LBLOCA) analysis vendor have ongoing processes that assure that the input values and ranges of parameters for the Virgil C. Summer Nuclear Station (VCSNS) LBLOCA analyses conservatively bound the values and ranges of those parameters for the as-operated VCSNS. This statement addresses certain programmatic requirements of Title 10 of the *Code of Federal Regulations*, Section 50.46, Paragraph (c).
2. Please address slot breaks at the top and side of the VCSNS cold leg reactor coolant system pump discharge pipe. A potential approach to this could be to confirm that operators implementing VCSNS emergency response procedures would prevent the development of conditions that could lead to extended core uncover. Cite analyses confirming the timeliness and effectiveness of the actions.

Mr. Jeffrey B. Archie
South Carolina Electric & Gas Company

VIRGIL C. SUMMER NUCLEAR STATION

cc:
Mr. R. J. White
Nuclear Coordinator
S.C. Public Service Authority
c/o Virgil C. Summer Nuclear Station
Post Office Box 88, Mail Code 802
Jenkinsville, South Carolina 29065

Resident Inspector/Summer NPS
c/o U.S. Nuclear Regulatory Commission
576 Stairway Road
Jenkinsville, South Carolina 29065

Chairman, Fairfield County Council
Drawer 60
Winnsboro, South Carolina 29180

Mr. Henry Porter, Assistant Director
Division of Waste Management
Bureau of Land & Waste Management
Dept. of Health & Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Mr. Thomas D. Gatlin, General Manager
Nuclear Plant Operations
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88, Mail Code 300
Jenkinsville, South Carolina 29065

Mr. Ronald B. Clary, Manager
Nuclear Licensing
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88, Mail Code 830
Jenkinsville, South Carolina 29065

Ms. Kathryn M. Sutton, Esquire
Winston & Strawn Law Firm
1400 L Street, NW
Washington, DC 20005-3502