

May 23, 2008

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

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – CORRECTION TO EXEMPTIONS ISSUED ON MARCH 13, 2008, FROM THE REQUIREMENTS OF 10 CFR PART 50, SECTIONS 50.44, 50.46, AND APPENDIX K (TAC NO. MD5699)

Dear Mr. Archie:

On March 13, 2008, the Nuclear Regulatory Commission (NRC) approved exemptions from specific requirements of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.46, "Acceptance criteria for emergency core cooling systems for light-water nuclear power reactors," and Appendix K, "ECCS Evaluation Models," for the Virgil C. Summer Nuclear Station, Unit 1 (Agencywide Document Access Management System (ADAMS) Accession No. ML080070466). The exemptions would allow one lead test fuel assembly (LTA) containing fuel rods that are all clad with Optimized ZIRLO™ cladding or one LTA containing both Optimized ZIRLO™ and AXIOM™ fuel rod cladding to continue to be irradiated up to a burnup of 75 GigaWatt days per Metric Ton Uranium.

On page 6 of the Exemption, in the discussion of the fuel pool decontamination factor (DF) used in the fuel handling accident (FHA) analysis, we wish to correct the following statement: "Because of these controls, the NRC staff is confident that the overall effective decontamination factor will not increase above 200." to read "Because of these controls, the NRC staff is confident that the overall effective decontamination factor of 200 is applicable." This confirms that the significance of the DFs is that they be confirmed to be a specified value, so that value may be used in the FHA dose analysis. We apologize for any inconvenience this may have caused your staff.

Sincerely,

/RA/

Timothy J. McGinty, Acting Director
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-395

cc: See next page

May 23, 2008

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

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT 1 – CORRECTION TO EXEMPTIONS ISSUED ON MARCH 13, 2008, FROM THE REQUIREMENTS OF 10 CFR PART 50, SECTIONS 50.44, 50.46, AND APPENDIX K (TAC NO. MD5699)

Dear Mr. Archie:

On March 13, 2008, the Nuclear Regulatory Commission (NRC) approved exemptions from specific requirements of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Section 50.46, "Acceptance criteria for emergency core cooling systems for light-water nuclear power reactors," and Appendix K, "ECCS Evaluation Models," for the Virgil C. Summer Nuclear Station, Unit 1 (Agencywide Document Access Management System (ADAMS) Accession No. ML080070466). The exemptions would allow one lead test fuel assembly (LTA) containing fuel rods that are all clad with Optimized ZIRLO™ cladding or one LTA containing both Optimized ZIRLO™ and AXIOM™ fuel rod cladding to continue to be irradiated up to a burnup of 75 GigaWatt days per Metric Ton Uranium.

On page 6 of the Exemption, in the discussion of the fuel pool decontamination factor (DF) used in the fuel handling accident (FHA) analysis, we wish to correct the following statement: "Because of these controls, the NRC staff is confident that the overall effective decontamination factor will not increase above 200." to read "Because of these controls, the NRC staff is confident that the overall effective decontamination factor of 200 is applicable." This confirms that the significance of the DFs is that they be confirmed to be a specified value, so that value may be used in the FHA dose analysis. We apologize for any inconvenience this may have caused your staff.

Sincerely,

/RA/

Timothy J. McGinty, Acting Director
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-395

cc: See next page

DISTRIBUTION:

PUBLIC	RidsNrrPMRMartin (hard copy)	RidsNrrDssSnpb	RidsNrrAdes
LPL2-1 R/F	RidsNrrLACSola (hard copy)	RidsAcrcAcnw&mMailCenter	RidsNrrOd
RidsNrrDorlLpl2-1 (MWong)	PClifford, NRR	RidsNrrDorlDpr	RDudley, NRR
RidsNrrDirRerb	RTaylor, NRR	AMarkley, NRR	GMizuno, OGC
RPalla, NRR	RidsRgn2MailCenter (EGuthrie)	RidsNrrLABTully (hard copy)	AMendiola, NRR
RidsOgcRp	RidsNrrLAEWhitt	MCox, EDO Rgn II	
EWilliamson, OGC			

ADAMS Accession No. ML081220827

OFFICE	NRR/LPL2-1/PM	NRR/LPL3-1/LA	NRR/AADB/BC	OGC	NRR/LPL2-1/BC	NRR/DORL/D(A)
NAME	RMartin:nc	BTully	RTaylor	MSiman	MWong	TMcGinty
DATE	05/23/08	05/09/08	05/09/08	05/ 20/08	05/23/08	05/23/08

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, SC 29065

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

Chairman, Fairfield County Council
Drawer 60
Winnsboro, SC 29180

Ms. Susan E. Jenkins, Manager
Division of Waste Management
Bureau of Land & Waste Management
Dept. of Health & Environmental Control
2600 Bull Street
Columbia, SC 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, SC 29065

Mr. Bruce L. Thompson, Manager
Nuclear Licensing
South Carolina Electric & Gas Company
Virgil C. Summer Nuclear Station
Post Office Box 88, Mail Code 830
Jenkinsville, SC 29065

Ms. Kathryn M. Sutton
Morgan, Lewis & Bockius LLP
111 Pennsylvania Avenue, NW.
Washington, DC 20004