



South Carolina Electric & Gas Company
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John L. Skolds
Vice President
Nuclear Operations

October 30, 1990
818.05 & 818.08

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Mr. S. D. Ebnetter
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II, Suite 2900
101 Marietta Street, N. W.
Atlanta, GA 30323

Dear Mr. Ebnetter:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS)
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-1
SPECIAL REPORT (SPR 90-014)

This Special Report is being submitted by South Carolina Electric & Gas Company (SCE&G) pursuant to the requirements of Action (a) of Technical Specification 3.12.2, "Land Use Census." This action statement requires SCE&G to submit a Special Report when a land use census identifies a new location which yields a calculated dose or dose commitment greater than the values currently being calculated in Specification 4.11.2.3, "Dose Calculations." The new location, being reported in this letter, is a residence with a garden which was constructed subsequent to the land census performed by SCE&G in 1989.

Previously, the maximum exposed individual (MEI) was assumed to reside in the East-Southeast (ESE) sector at 1.1 miles (vegetation pathway) with an annual average $\overline{X/Q}$ (relative concentration) and $\overline{D/Q}$ (relative deposition) of $2.2E-6$ s/m³ and $8.4E-9$ m⁻², respectively. The new location is in the East (E) sector at 1.1 miles (vegetation pathway) with an annual average $\overline{X/Q}$ and $\overline{D/Q}$ of $2.2E-6$ s/m³ and $1.2E-8$ m⁻², respectively and yields a calculated dose approximately 40% higher than the current MEI. However, experience with effluents at the Virgil C. Summer Nuclear Station (VCSNS) during 1990 shows that the calculated 40% increase in organ dose represents less than .1% of the limits in Technical Specification 3.11.2.3 (b), "Dose-Radioiodines, Radioactive Materials in Particulate Form, and Tritium."

The Environmental Monitoring Program (EMP) for VCSNS currently monitors a garden in the ESE sector at 1 mile which yields a calculated dose within 7% of the dose calculated at the new MEI location. Therefore, no changes to the EMP are required to maintain compliance with Action (b) of Technical Specification 3.12.2.

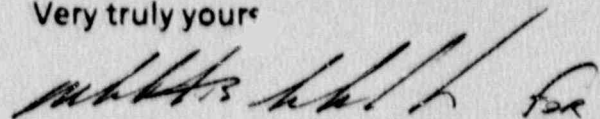
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SCE&G will revise the Offsite Dose Calculation Manual (ODCM) by December 14, 1990, to include the new location of the MEI and the new dispersion coefficients. Should you require any additional information, please call at your convenience.

Very truly yours



John L. Skolds

CJM:JLS:lcd

- c: O. W. Dixon, Jr./T. C. Nichols, Jr.
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