



Stephen A. Byrne
Senior Vice President, Nuclear Operations
803.345.4622

March 1, 2002
RC-02-0031

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Mr. G. E. Edison

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
TECHNICAL SPECIFICATION AMENDMENT REQUEST - TSP 99-0090
SPENT FUEL POOL STORAGE EXPANSION - SUPPLEMENTAL LETTER

Reference: S. A. Byrne Letter to Document Control Desk, RC-01-0135, Dated July 24, 2000

South Carolina Electric & Gas Company (SCE&G), acting for itself and as agent for South Carolina Public Service Authority, wishes to revise the installation plan for the Spent Fuel Pool Expansion project, as described in Section 10 of Attachments VI and VII to the above referenced letter.

Section 10.3 stated that existing sparger piping for the Spent Fuel Pool Cooling and Purification system would be modified to allow the new racks to be placed closer to the pool walls to maximize storage capacity. The plan presented in the licensing action request (LAR) included truncating the piping, both discharge and suction piping, near the pool wall and welding a bolted flange under water to each projecting pipe end. The removed piping would have been replaced with a new assembly consisting of a bolted flanged elbow with a piping assembly downcomer. This design modification removed the interfering sparger piping to permit rack removal and installation.

After additional evaluation, it was determined that a smaller change to the sparger lines would still permit the installation to proceed. This revision to the original installation plan impacts only the discharge piping along the south pool wall, while the suction piping along the north wall is not modified. The existing bottom elevation of all suction piping downcomers provides about 20 feet clearance to the top of the installed racks.

The revised plan has approximately 8 feet of pipe removed from the bottom of each of the eight 6 inch diameter downcomer discharge pipes along the south wall of the spent fuel pool. This provides about 17 feet clearance between the top of the fuel rack and the bottom of the discharge piping downcomer. The modified length of the discharge piping would be terminating at an appropriate elevation to preclude flow induced vibration from damaging the rack cell walls while providing adequate cooling to the spent fuel pool.

The thermal hydraulic analysis provided in the LAR has been reviewed and is not impacted by this revision to the installation plan.

A001

The benefits of this revised plan include minimum impact on the pool water quality and pool filters due to cutting and welding operations and minimizing radioactive waste generated. Additionally, the amount of time that the Spent Fuel Pool Cooling System would have to be shut down during installation is also minimized.

I certify under penalty of perjury that the foregoing is true and correct.

Should you have questions, please call Mr. Philip A. Rose at (803) 345-4052.

Very truly yours,



Stephen A. Byrne

PAR/SAB/dr

- c: N. O. Lorick
- N. S. Carns
- T. G. Eppink (without attachments)
- R. J. White
- L. A. Reyes
- NRC Resident Inspector
- Paulett Ledbetter

- K. M. Sutton
- T. P. O'Kelley
- W. R. Higgins
- RTS (0-L-99-0090)
- File (813.20)
- DMS (RC-02-0031)

STATE OF SOUTH CAROLINA :
 :
 COUNTY OF FAIRFIELD : TO WIT :
 :

I hereby certify that on the 1st day of MARCH 2002, before me, the subscriber, a Notary Public of the State of South Carolina personally appeared Stephen A. Byrne, being duly sworn, and states that he is Senior Vice President, Nuclear Operations of the South Carolina Electric & Gas Company, a corporation of the State of South Carolina, that he provides the foregoing response for the purposes therein set forth, that the statements made are true and correct to the best of his knowledge, information, and belief, and that he was authorized to provide the response on behalf of said Corporation.

WITNESS my Hand and Notarial Seal



Notary Public

My Commission Expires

July 13, 2005

Date

