



December 21, 1999
RC-99-0231

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-12
REQUEST FOR ADDITIONAL INFORMATION REGARDING THE
IPEEE REPORT, GENERIC LETTER 88-20, SUPPLEMENT 4

- References:
1. Gary J. Taylor letter to Document Control Desk dated June 30, 1995
 2. L. Mark Padovan to Gary J. Taylor dated April 9, 1998
 3. Gary J. Taylor letter to Document Control Desk dated August 21, 1998

South Carolina Electric and Gas (SCE&G) submitted its IPEEE Report to the NRC by letter dated June 30, 1995 (Reference 1). By letter dated April 9, 1998 (Reference 2), the NRC issued a Request for Additional Information (RAI) regarding the IPEEE Report. SCE&G provided its response to the RAI in a letter dated August 21, 1998 (Reference 3).

The NRC Technical Reviewer has requested clarification of the SCE&G response to the following question from the RAI:

"As requested in the Generic Letter 88-20 (Supplement 4) and in NUREG-1407, Sections 6.2.2.1 and 6.3.3.1, please discuss the dispositioning of GSI-131, which deals with the seismic evaluation of the in-core flux mapping system for Westinghouse plants."

SCE&G has reviewed the questions presented by the NRC and submits the following response which supersedes the previous information submitted on August 21, 1998 for the above question only:

AOH Yo

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PDR ADOCK 05000395

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The Westinghouse flux mapping system was supplied as a package to VCSNS. The flux mapping transfer portion of the system is suspended from a rail car mounted on a track above the seal table and the 10-path rotary transfer and valve support assembly. This system, as originally supplied by Westinghouse, could move on the track during a seismic event. This fact was determined by Gilbert-Commonwealth (GC) during their review of NRC Information Notice 85-45, "Potential Seismic Interaction Involving the Movable In-Core Flux Mapping System used in Westinghouse Designed Plants" completed in 1985.

GC performed a seismic review of the flux mapping system and determined that, although the margins were low, the flux mapping system had sufficient structural margin to not impact upon safety related equipment due to a seismic event.

In order to improve upon the structural margin, a plant modification was subsequently designed and installed to restrain the 10-path rotary transfer and valve support assembly from seismic movement with four (4) floor-mounted steel tubes (TS4x4x1/2) used as vertical and lateral restraints. The in-plant seismic floor response spectra was used as input to design these restraints, and it was determined that this modification would strengthen the flux mapping system, thereby increasing the structural margin for the Design Basis Earthquake event.

If you have any questions regarding this matter or require additional information, please contact Mr. Donald L. Jones at (803) 345-4480.

Very truly yours,

Handwritten signature of Gary J. Taylor in cursive, with the text "FOR GJT" written in block letters to the right of the signature.

Gary J. Taylor

DLJ/GJT/dr

c: J. L. Skolds
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