



South Carolina Electric & Gas Company
P.O. Box 88
Jenkinsville, SC 29065
(803) 345-4040

John L. Skolds
Vice President
Nuclear Operations

March 26, 1993
Refer to: RC-93-0078

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

Attention: Mr. G. F. Wunder

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-12
REQUEST TO USE ASME SECTION IX CODE CASES 2142 AND 2143
(REM 6000-12)

The purpose of this letter is to request approval in accordance with 10 CFR 50.55a(a)(3) for the use of Alloy 690 type weld filler materials in the fabrication and installation of the Virgil C. Summer Nuclear Station (VCSNS) replacement steam generators. These materials have been approved by ASME through Code Cases 2142 and 2143 and are designated as UNS N06052 and UNS W86152, respectively. ASME approved the use of these Ni-Cr-Fe welding materials on December 7, 1992, and classified them as F-No. 43 for weld procedure and performance qualification purposes in accordance with ASME Section IX. The approved Code Cases are scheduled to be published in ASME Code Case Supplement 3 in early April.

UNS W86152 is the matching shielded metal arc welding electrode for Alloy 690 and UNS N06052 is the companion bare filler metal. Both materials have been shown in numerous EPRI studies to have improved corrosion resistance for Alloy 690 weldments as compared to the currently used Ni-Cr-Fe (N06082 and W86182) materials. The new weld materials are the preferred choice for welding applications involving Alloy 690 in a corrosive environment and they provide an acceptable level of quality and safety because of their superior corrosion resistant properties. Please note that in the replacement steam generator design report (WCAP-13480) submitted on September 3, 1992, the weld materials N06082 and W86182 were referenced for use in fabrication.

The fabrication schedule for the replacement steam generators requires the use of Alloy 690 weld materials by May 1993. Therefore, South Carolina Electric & Gas Company requests approval for use of the new Code Cases by April 30, 1993. If you have any questions, please call Ms. April Rice at (803) 345-4232.

Very truly yours,

John L. Skolds

ARR:lcd

c: See Page 2

9304050035 930326
PDR ADOCK 05000395
P PDR

AD47 1/0

c: O. W. Dixon
R. R. Mahan
R. J. White
S. D. Ebnetter
NRC Resident Inspector
J. B. Knotts Jr.
R. B. Clary
NSRC
Central File System (875)
RTS (REM 6000-12)
File (810.39)