



SCE&G

A SCANA Company

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

Ollie S. Bradham
Vice President
Nuclear Operations

September 13, 1988

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

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Operating License No. NPF-12
NRC Bulletin 88-05,
and Supplements 1 and 2

Gentlemen:

On May 16, 1988, South Carolina Electric & Gas Company (SCE&G) received NRC Bulletin 88-05, "Nonconforming Materials supplied by Piping Supplies, Inc. at Folsom, New Jersey and West Jersey Manufacturing Company at Williamstown, New Jersey." On June 20 and August 9, 1988, Supplements 1 and 2, respectively, were received. SCE&G has reviewed the bulletin and supplements and, in accordance with the required actions, is hereby providing the information as requested.

A review of purchasing records for the Virgil C. Summer Nuclear Station (VCSNS) for any ASME Code or ASTM flanges and/or fittings supplied by West Jersey Manufacturing or Piping Supplies, Inc., was conducted by plant staff. The record review covered the time period from January 1, 1976 to the present. This detailed record review revealed the following:

- 1) Purchase Order Number Q345100 included thirteen (13) 2" flanges supplied by West Jersey Manufacturing.
- 2) Purchase Order Number A472061 included four (4) 24" end caps supplied by Piping Supplies, Inc.

The following ASME Code and ASTM flanges and/or pipe fittings were supplied by West Jersey Manufacturing:

- 1) Three (3) raised face flanges, 2", 600 pound, SA-105, heat number "CFW," purchased from Guyon Alloys, Inc., supplied by West Jersey Manufacturing.
- 2) Seven (7) raised face blind flanges, 2", 600 pound, SA-105, heat number "CFW," purchased from Guyon Alloys, Inc., supplied by West Jersey Manufacturing.

8809200254 880913
PDR ADDCK 05000395
Q PNU

JEI

Of the above ten (10) flanges, the three (3) raised face and five (5) of the raised face blind flanges were located in VCSNS warehouse. These flanges were not installed in any safety related systems at VCSNS. These eight (8) flanges were tested for hardness and material verification. Two (2) of the flanges, one (1) raised face flange and one (1) raised face blind flange, were sent to Law Engineering in Charlotte, North Carolina to be tested for composition, tensile strength, yield strength and hardness. The results of the Law Engineering and VCSNS on-site hardness testing results were both satisfactory.

Two (2) of the seven (7) raised face blind flanges purchased from Guyon Alloys, Inc., supplied by West Jersey Manufacturing were not located in the warehouse. An extensive records review and warehouse search revealed that one flange was issued to the machine shop for non-safety related work. This flange was determined to be machined for parts for a calibration bar. The records review and warehouse search for the remaining flange revealed that no modification request or work request had been issued requiring the subject flange. This and the fact that no stores requisition had been issued to release the flange from stock provides a high degree of confidence that this flange was not issued for use in the plant.

- 3) Three (3) raised face flanges, 2", 600 pound, SA-105, heat number "CFW," purchased from Guyon Alloys, Inc., supplied by West Jersey Manufacturing.

These flanges were installed on the safety related portion of the Main Feedwater system. They were placed approximately six (6) inches upstream of each steam generator.

The testing of these flanges is considered inappropriate for the following reasons:

- 1) They are installed in a high radiation area;
- 2) Testing would require plant shutdown or a Reactor Building entry at power;
- 3) The high temperature of this material at power.

In accordance with NRC Bulletin 88-05, Supplement 1, an analysis was performed justifying continued operation with these flanges. This documentation is being maintained for inspection. These three (3) flanges will be tested during the fourth refueling outage (Fall of 1988) to confirm that they meet specification requirements.

