SOUTH CAROLINA ELECTRIC & GAS COMPANY
POST OFFICE BOX 764
COLUMBIA, SOUTH CAROLINA 29218

E. H. CREWS, JR.
VICE-PRESIDENT AND GROUP EXECUTIVE
ENGINEERING AND CONSTRUCTION

April 8, 1980

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 3100
101 Marietta Street, N. W.
Atlanta, Georgia 30303

Subject: Virgil C. Summer Nuclear Station
Reportable Significant Deficiency,
Colt Diesel Generators
Nuclear Eng. File 3.1051

Dear Mr. O'Reilly:

In our March 5, 1980, letter to you South Carolina Electric and Gas Company provided an interim report on the failure of a thrust bearing on one of our diesel generators manufactured by Colt Industries. In followup to the question regarding successful completion of shop tests, the attached copy of a letter from Colt Industries to the NRC dated March 5, 1980, provides an acceptable answer.

Since all repairs have been made and questions resolved, this letter is considered the final report on this item. If you require additional information, please let us know.

Very truly yours,

E. H. Crews, Jr.

RBC:EHCJr:md

CC: Office of Inspection and Enforcement
Washington, D. C.

B019
SE
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BCC: Messrs. V. C. Summer
E. H. Crews, Jr.
H. T. Babb
J. Skolds
O. S. Bradham
H. Radin
NPCF/Dixon
File
D. M. Moore
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Original & 3 copies.

March 5, 1980

Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Ill. 60137

Attention: Mr. James G. Keppler, Director, Region III

Subject: Colt Industries-Fairbanks Morse Engine Division
Emergency Diesel Generators
South Carolina Electric & Gas Co.-Summer Station
January 14, 1980 Part 21 Report-Failed Engine Thrust Bearing
Supplement No. 1
SNUPPS-Callaway No. 1

Gentlemen:

We have completed our inspections of the crankshaft thrust bearings on the two PC-2.5 generator sets at Union Electric's, Callaway Unit One. The plugs were properly installed in both units. Both units are free of the reported potential defect.

Our earlier report indicated we were evaluating the design to permit explanation of the apparent satisfactory operation of the South Carolina Electric & Gas Unit during shop tests in our factory prior to shipment followed by failure during start-up at the Summer site. These units are equipped with large capacity external thrust bearings to permit satisfactory operation under high fore and aft forces resulting from a seismic event. The actual load imposed on these bearings during shop tests is very low and perhaps zero. We have concluded that the bearing was lightly loaded during shop tests, did not fail during such tests, but subsequently failed.

We will be inspecting other shipped units prior to initial operation and will report the results of those inspections as they are made.

A copy of this report is being forwarded to the utilities involved.

Very truly yours,

J. M. Moriarty
MANAGER UTILITY SALES

JMM:jc

Dye 8004140156 2pp

cc: South Carolina Electric & Gas Co.
P. O. Box 764
Columbia, South Carolina 29218
Attention: Mr. Dan Nauman
Manager, Quality Assurance & Security

Bechtel Power Corp.
P. O. Box 607
Gaithersburg, Md. 20760
Attention: SNUPPS Project Engineer

bcc: C. A. Ankrum
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