

Georgia Power Company
Route 2, Box 299A
Waynesboro, Georgia 30830
Telephone 404 554-9961, Ext. 3360
404 724-8114, Ext. 3360

RP

D. O. Foster
Vice President and Project
General Manager
Vogtle Project

26 All: 33



April 23, 1984

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

File: X7BG03-M61
Log: GN-346

Reference: Vogtle Electric Generating Plant-Units 1 and 2, 50-424, 50-425;
Nuclear Service Cooling Water Tower Crossover Piping

Attention: Mr. James P. O'Reilly

Gentlemen:

On March 23, 1984, Mr. C. W. Hayes of Georgia Power Company reported a potential deficiency to Mr. John Rogge of the USNRC concerning the nuclear service cooling water tower basins intertie pipe. At this time, Georgia Power Company is submitting an interim report on its evaluation of this concern.

During a review of safety-related buried piping, two NSCW transfer pump discharge pipes (1202-030-6" and 1209-029-6") were found to be routed into an area of category 1 backfill that could potentially be affected by liquefaction of the upper sand stratum of in-situ soil.

All safety-related structures must be founded on material capable of withstanding extreme loading conditions. The upper sand stratum of in-situ soil at the Vogtle site has a potential for liquefaction under SSE conditions. The site has, therefore, been excavated down to a competent marl bearing stratum and the upper sand stratum replaced by Category 1 backfill. There is a portion of Category 1 backfill that may be affected by liquefaction of the adjacent in-situ soils. Safety related structures, buried piping, and buried conduit are placed at various depths in the backfill and are located so that the distribution of their foundation stresses remain within the limits of the portion of the Category 1 backfill which is not dependent on the in-situ soils for support.

8405070234 840423
PDR ADOCK 05000424
S PDR

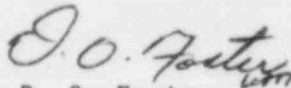
110
IE27
OFFICIAL COPY
84-25-

Nuclear Service Cooling
Water Tower Crossover Piping
Page Two

A review of all safety-related structures, buried piping, and buried conduit has been initiated. Any affected installations will be identified and evaluated. Design control procedures will be evaluated to determine the need for added controls to prevent any future mislocation. Finally, the original piping location will be evaluated for its safety impact to the plant had the situation gone uncorrected. Any other problem areas which are identified during this review will also be evaluated. At this time, Georgia Power Company expects to submit a final report to the NRC on this subject by June 5, 1984.

This report contains no proprietary information and may be placed in the NRC Public Document Room upon receipt.

Yours truly,


D. O. Foster

REF/DOF/tdm

xc: U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

xc: R. J. Kelly
R. E. Conway
G. F. Head
C. W. Hayes
D. N. MacLemore
D. E. Dutton
W. F. Sanders
R. H. Pinson
P. D. Rice
R. A. Thomas
J. A. Bailey
O. Batum
G. Bockhold
B. M. Guthrie
E. D. Groover
L. T. Gucwa
M. Malcom
H. H. Gregory, III
J. T. Beckham, Jr.
J. L. Vota