

POOR ORIGINAL

SOUTH CAROLINA ELECTRIC & GAS COMPANY

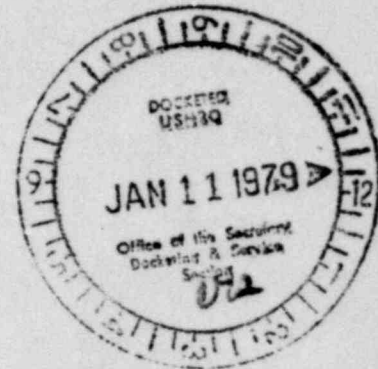
POST OFFICE BOX 764

COLUMBIA, SOUTH CAROLINA 29218

E. H. CREWS, JR.

VICE-PRESIDENT AND GROUP EXECUTIVE  
ENGINEERING AND CONSTRUCTION

January 5, 1979



Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Virgil C. Summer Nuclear Station  
Docket No. 50-395  
Seismic Monitoring

Dear Mr. Denton:

This letter supplements information contained in my letter of November 2, 1978, notifying you of a seismic event occurring on October 27, 1978, which was recorded by the seismic networks of the Applicant and the United States Geological Survey.

The October 27, 1978 seismic event was recorded by the Applicant's seismic network and was rated a Richter magnitude of approximately 2.8. The epicenter of this earthquake has now been determined to be less than 1/4 mile from the USGS strong motion accelerometer which is located approximately **one (1) mile northwest of the nuclear facility.** The USGS has reviewed the data recorded by the strong motion accelerometer and has informed the Applicant that this event produced peak ground acceleration values of .13g and .24g in the two horizontal directions and .17g in the vertical direction. The total time duration of ground motion exceeding .10g was .3 second.

For completeness, I would also note that a second seismic event occurred on October 27, 1978 which had a value of 2.5 on the Richter scale. However, in as much as your staff has indicated that seismic events of 2.5 Richter value or less need not be reported except through routine reports, this procedure is being followed in that case.

Both of these events are well within the seismic design parameters of the facility and are of little significance.

Very truly yours,

  
E. H. Crews, Jr.

MBW:EHC:rh

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cc: H. T. Babb  
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W. S. Murphy  
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T. B. Conner, Jr. ✓  
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