

April 11, 1985

Docket Nos. 50-424
and 50-425

Mr. Donald O. Foster
Vice President and Project
General Manager
Georgia Power Company
P. O. Box 299A, Route 2
Waynesboro, Georgia 30830

Dear Mr. Foster:

Subject: Request for Additional Information on Vogtle Hydrology Review

Enclosed is a request for additional information which has developed during the staff's review of Vogtle hydrology. An expedient response to this request is necessary for the staff to incorporate its review in the SER.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

If there are any questions, contact the Project Manager, Melanie Miller, at (301) 492-4259.

Sincerely,

/S/

Elinor G. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc: See next page

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VOGTLE

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Request for Additional Information on Vogtle Hydrology

1. During staff review of the boring logs and permeability test data, some questions have evolved regarding the drilling techniques used at the site, especially with regard to boreholes used as either observation wells or for field permeability tests. Based on the information reviewed by the staff, it appears possible that screened depth intervals used in observation wells and test sections for field permeability tests may have been exposed to bentonite drilling mud during the drilling and/or field testing. The staff is concerned that the presence of bentonite drilling mud may have caused erroneous well level readings and permeability test data. Provide the staff with a copy of the drilling specifications used for installing the observation wells and for the field permeability test holes. Provide any other data that will address the staff concerns regarding the use of bentonite drilling mud in boreholes used for observation wells and field permeability tests.
2. Section 4 of your March 12, 1985 submittal provides the status of drill holes but does not provide a suitable location map. If these drill holes are already located on a suitable map (half size or larger), please provide a copy to the staff. If such a map is not currently available, then provide the locations of the following wells on a suitable map: 181, 236, 237, 334, 28, 30, 34, 35A, 36A, 36B, 120, 123, 401, 402, 403, 404, 405, 406, 407, OD-1 and RH-1.