



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

M. F. Fliegel
Staley
For Vogel file
Item 3

JAN 12 1983

Docket Nos. 50-424/425

MEMORANDUM FOR: Ina B. Alterman, Geologist
Geosciences Branch
Division of Engineering

THRU: *M. F. Fliegel* Myron Fliegel, Leader, Hydrologic Engineering Section
Hydrologic and Geotechnical Engineering Branch
Division of Engineering

FROM: Donald L. Chery, Jr., Hydrologist
Hydrologic and Geotechnical Engineering Branch
Division of Engineering

SUBJECT: HYDROLOGIC EVALUATION OF POSTULATED MILLETT FAULT
NEAR VOGTLE ELECTRIC GENERATING PLANT

I have completed my review of pertinent sections of the report "Studies of Postulated Millett Fault", by Bechtel, October 1982. The USGS postulated a fault near the Vogtle Electric Generating Plant and used, as part of their case, several hydrologic arguments to support the existence of the postulated fault. These arguments were thoroughly investigated by the contractor, Bechtel, who was engaged by Georgia Power Company. The issues of different unit base flows in river reaches (generally above and below the postulated fault), water well levels across the postulated fault, and ground water piezometric surface contours were addressed by their study. I carefully reviewed all the contractor's hydrologic evaluations and concur in their conclusion that the hydrologic data provide "no basis to support or preclude the existence of a fault".

Donald L. Chery, Jr.

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cc: J. Knight
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