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Docket No. 50-364

Mr. F. L. Clayton, Jr.
Senior Vice President
Alabama Power Company
600 North 18th Street
Birmingham, Alabama 35291

Dear Mr. Clayton:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR FARLEY 2 OPERATING
LICENSE APPLICATION

As a result of our continuing review of the operating license application for the Joseph M. Farley Nuclear Plant Unit 2, we have developed the enclosed request for additional information.

Please provide the information requested in the enclosure. Our review schedule is based on the assumption that the additional information will be available for our review by May 30, 1980. If you cannot meet this date, please inform us within 7 days after receipt of this letter so that we may revise our scheduling.

Sincerely,

Original signed by

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure:
Request for Additional
Information

cc: See next page

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OFFICE ▶	DL:LB#2 <i>LK</i>	DL:LB#2 <i>AS</i>			
SURNAME ▶	LKintner:ph	ASchwencer			
DATE ▶	05/06/80	05/08/80			

Mr. F. L. Clayton, Jr.

cc: Mr. Alan R. Barton
Executive Vice President
Alabama Power Company
Post Office Box 2641
Birmingham, Alabama 35291

Mr. Ruble A. Thomas
Vice President
Southern Company Services, Inc.
Post Office Box 2625
Birmingham, Alabama 35202

Mr. George F. Trowbridge
Shaw, Pittman, Potts and Trowbridge
1800 M Street, N. W.
Washington, D. C. 20036

HYDROLOGIC ENGINEERING GENERIC QUESTIONS
RELATING TO E.O. 11988 FLOODPLAIN MANAGEMENT
FOR PLANTS NEAR COMPLETION

Definition (from Executive Order 11988 Floodplain Management)

Floodplain: The lowland and relatively flat areas adjoining inland and coastal waters including floodprone areas of offshore islands, including at a minimum that area subject to a one percent or greater chance of flooding in any given year.

1. Provide descriptions of the floodplains of all water bodies, including intermittent water courses; within or adjacent to the site. On a suitable scale map provide delineations of those areas that will be flooded during the one-percent chance flood in the absence of plant effects (i.e., pre-construction floodplain).
2. Provide details of the methods used to determine the floodplains in response to 1. above. Include your assumptions of and bases for the pertinent parameters used in the computation of the one-percent flood flow and water elevation. If studies approved by Flood Insurance Administration (FIA), Housing and Urban Development (HUD) or the Corps of Engineers are available for the site or adjoining area, the details of analyses need **not** be supplied. You can instead provide the reports from which you obtained the floodplain information.
3. Identify, locate on a map, and describe all structures and topographic alterations in the floodplains.

4. Discuss the hydrologic effects of all items identified in 3. above. Discuss the potential for altered flood flows and levels, both upstream and downstream. Include the potential effect of debris accumulating on the plant structures. Additionally, discuss the effects of debris generated from the site on downstream facilities.

5. Provide the details of your analysis used in response to 4. above. The level of detail is similar to that identified in item 2. above.