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

AUG 6 1980

Docket Nos.: 50-369
and 50-370

Mr. William O. Parker, Jr.
Vice President - Steam Production
Duke Power Company
Post Office Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

Subject: Information - Floodplain Management
(McGuire Nuclear Station, Units 1 & 2)

In order for us to complete our evaluation of the floodplain issues related to Executive Order 11988, we require some additional information. This information is described in the enclosure.

We request that this information be provided by August 8, 1980. The enclosure has previously been provided to your staff.

Sincerely,

Robert L Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/encl:
See next page

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U. S. Environmental Protection Agency
ATTN: EIS Coordinator
Region IV Office
345 Courtland Street, N. W.
Atlanta, Georgia 30308

ENCLOSURE

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 intermittant 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 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.