

JUL 24 1978

POOR ORIGINAL

Docket Nos. 50-416 and 50-417

MEMORANDUM FOR: Richard Cleveland, Environmental Project Manager
Environmental Projects Branch No. 1, DSE

FROM: William S. Bivins, Leader
Hydrologic Engineering Section
Hydrology-Meteorology Branch, DSE

SUBJECT: HYDROLOGIC ENGINEERING QUESTIONS

PLANT NAME: Grand Gulf
DOCKET NUMBERS: 50-416 and 50-417
REQUESTED COMPLETION DATE: May 22, 1978
REVIEW STATUS: Continuing

Enclosed are revised hydrologic engineering acceptance review questions for your transmittal to the applicant. These revisions were necessary to conform to your requested format.

DISTRIBUTION
Docket Files 50-416
50-417

DSE Rdg
HMB Rdg

Original Signed by
William S. Bivins

William S. Bivins, Leader
Hydrologic Engineering Section
Hydrology-Meteorology Branch, DSE

Enclosure:
As Stated

cc: w/enclosure
R. Denise
R. Ballard
T. Johnson
R. Gonzales

782020318

Mandy

OFFICE	DSE:ST:HMB	DSE:ST:HMB			
SURNAME	TL Johnson:jd	WSBivins			
DATE	07/2/78	07/2/78			

HYDROLOGIC ENGINEERING ACCEPTANCE REVIEW
GRAND GULF UNITS 1 AND 2

- 371.01
(2.1) Provide clearer and more detailed topographic maps of the site area. Include both pre- and post-construction conditions. The maps presented in Section 2 are not legible.
- 371.02
(2.4) Discuss the erosion and transport mechanisms applicable to surface water bodies in the site area.
- 371.03
(2.4) Discuss the interaction of groundwater and surface water in the site area, including points at which groundwater discharges into streams.
- 371.04
(3.3) Provide a summary of legal restrictions relating to water use imposed by State or Federal regulations.
- 371.05
(3.3) Provide a description of seasonal plant water use variations under maximum, minimum and average conditions.
- 371.06
(3.4) Provide the velocity distribution and flow characteristics at or near the discharge structure(s).