POOR ORIGINAL

AUG 8 1972

R. C. DeYoung, Assistant Director for PWR's, L

SUPPLEMENTAL HYDROLOGIC ENGINEERING SUMMARY

PLANT NAME: Three Mile Island Unit 1
LICENSING STAGE: OL
DOCKET NUMBER: 50-289
RESPONSIBLE BRANCH: PWR Br. #4
REQUESTED COMPLETION DATE: August 18, 1972
APPLICANTS RESPONSE DATE NECESSARY FOR
NEXT ACTION PLANNED ON PROJECT: None
DESCRIPTION OF RESPONSE: None
REVIEW STATUS: Complete

Enclosed is a supplemental hydrologic engineering summary prepared by L. G. Hulman, for your use in preparing the ACRS report and public safety evaluation on the subject plant. The supplement is intended as an addition to the previously furnished summary to confirm the plant flood design bases as a result of the record June, 1972 flood at the site.

DISTRIBUTION
L - Suppl
L - Rdg
AD/SS - Rdg
SAB - Rdg

Original signed by
H. R. Denton

Harold R. Denton, Assistant Director
for Site Safety
Directorate of Licensing

Enclosure:
As stated

cc: w/o enclosure
A. Giambusso
W. McDonald

cc: w/enclosure
S. H. Hanauer
J. Hendrie
A. Schwencer
H. Schierling
F. Kilpatrick, USGS
L. G. Hulman
Docket File - 50-289
Central File, L

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SURNAME ▶	LGHULMAN:jab	WPGAMMILL	HRDENTON			
DATE ▶	7/31/72	8/7/72	8/8/72			

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SUPPLEMENTAL HYDROLOGIC ENGINEERING SUMMARY
THREE MILE ISLAND
UNIT 1
DOC. NO. 50-289

The record flood of June, 1972 resulted in a peak flow of approximately 1,000,000 cubic feet per second. Parts of the island in the vicinity of the cooling towers were flooded because downstream portions of the levee were uncompleted. From preliminary high water level and flow rate estimates, the adequacy of the applicant's flood design bases has been re-analyzed and found conservative. The necessity for the applicant's commitment to inspect and repair, as necessary, the levee system annually and after every major flood was indicated by the minor riprap displacement that occurred as a result of the June, 1972 flood, and the vegetation which has grown on the levee face since construction of completed portions.