



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

JUN 03 1982

Docket No. 50-382

MEMORANDUM FOR: Frank Miraglia, Chief
Licensing Branch No. 3
Division of Licensing

THRU: *JK* James P. Knight, Assistant Director
for Components and Structures Engineering
Division of Engineering

FROM: George Lear, Chief
Hydrologic and Geotechnical Engineering Branch
Division of Engineering

SUBJECT: HYDROLOGIC ENGINEERING INPUT TO SUPPLEMENT 4
OF THE SAFETY EVALUATION REPORT

Plant Name: Waterford Steam Electric Station, Unit No. 3
Licensing Stage: OL
Responsible Branch: Licensing Branch No. 3, S. Black, PM
Requested Completion Date: June 18, 1982

Enclosure 1 is our input to the Waterford SER Supplement No. 4. This input addresses the problem of potential flooding of safety-related equipment in the cooling tower areas. This problem was identified on pages 2-18 and 2-19 of the SER. (See enclosure 2).

We previously submitted our SSER input to you on January 15, 1982. However at that time we were unable to completely close the cooling tower flood problem because the applicant had not provided an adequate response to our concerns; consequently, our January 15, 1982 input was not included in any of the SER supplements that have already been published. We have taken applicable portions of our January 15, 1982 input and have incorporated those items here. Thus this input supersedes our January SSER completely.

This input addresses the only outstanding item that the Hydrologic Engineering Section identified in Section 2.4 of the SER and thus completes our Safety Evaluation of Waterford-3.

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Frank Miraglia

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This input was prepared by Raymond Gonzales who can be contacted at 49-28028.

Original signed by George Lear

George Lear, Chief
Hydrologic and Geotechnical
Engineering Branch
Division of Engineering

Enclosure:
As stated

cc: w/o enclosure
R. Vollmer

w/enclosure
G. Lear
O. Parr
Z. Rosztoczy
M. Srinivasan
S. Black
M. Fliegel
R. Gonzales

DM

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DATE	5/1/82	5/1/82	5/2/82	5/3/82			