



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
MAY 28 1980

~~TOP SECRET~~
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MEMORANDUM FOR: Thomas A. Ippolito, Chief
Operating Reactors Branch
Division of Licensing

THRU: George Lear, Chief *EL*
Hydrologic and Geotechnical Engineering Branch
Division of Engineering

FROM: William S. Bivins, Leader
Hydrologic Engineering Section
Hydrologic and Geotechnical Branch
Division of Engineering

SUBJECT: PILGRIM NUCLEAR PLANT BREAKWATER REVIEW

We have completed a preliminary review of the analyses and studies submitted by the licensee in response to our requests regarding the subject breakwater. Based on this review we conclude that the breakwater has been acceptably designed, constructed, and repaired.

However, we are unable to recommend final approval of the breakwater design and placement without completing a field survey of the recently repaired structure. A site visit is necessary because the photographs provided in the licensee's report do not show the important underwater toe of the structure in sufficient detail. We hope to survey the breakwater during a predicted extreme low-tide period on June 10, 1980, when much of the structure toe should be visible. The survey personnel would include T. Johnson, NRR, and R. Jachowski, CERC, our consultant on this matter. Please coordinate the field survey with the appropriate I&E personnel.

We expect to provide a written report to you sometime after the breakwater field survey to close this issue.

William S. Bivins

William S. Bivins, Leader
Hydrologic Engineering Section
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