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

FEB 26 1980

MEMORANDUM FOR: Chairman Ahearne
Commissioner Gilinsky
Commissioner Kennedy
Commissioner Hendrie
Commissioner Bradford

FROM: James R. Shea, Director
Office of International Programs

THRU: Executive Director for Operations (Signed) T. A. Rehm

SUBJECT: USGS REVIEW OF CHRISTOPHER NEWHALL'S PAPER

Attached, for your information, is USGS's quick review of Christopher Newhall's volcanologic analysis of Ebasco's work on the volcanology of the PNPP-1 site. This review was performed in response to Mr. Chilk's February 5 Staff Requirements Memo on the subject.


James R. Shea, Director
Office of International Programs

Attachment:
USGS Review

cc: ✓ S.Chilk, SECY
J.Devine, OPE
L.Bickwitt, OGC

ADVANCE COPY

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United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

In Reply Refer To:
Mail Stop 905

February 22, 1980

Dr. Robert Jackson
Chief, Geosciences Branch
Division of Site Safety &
Environmental Analysis
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Bob:

Transmitted herewith is our review of Christopher Newhall's "Review of Volcanologic Discussions in the PSAR and Related Documents, Philippine Nuclear Power Plant #1".

This review was prepared by Robert I. Tilling, Chief, Office of Geochemistry and Geophysics, U.S.G.S., with concurrence of Dr. Richard D. Krushensky, Acting Chief, Office of Environmental Geology, U.S.G.S. Mr. Newhall is a part-time employee of the Geological Survey but his comments and our review of them have been developed independantly. There have been no discussions of this subject between Drs. Tilling and Krushensky and Mr. Newhall.

I wish to reiterate here that the Survey has not reviewed the studies of Ebasco nor have we studied the specific volcanic site in question. Our comments are based on Mr. Newhall's report and our expertise in volcanology in general.

We have no objection to your making this review part of the public record.

Sincerely yours,

James F. Devine
Deputy for Engineering
Office of Earthquake Studies

copy to: Newhall

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No. of pages: 5

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