



University of Hawaii at Manoa

Environmental Center
Crawford 317 • 2550 Campus Road
Honolulu, Hawaii 96822
Telephone (808) 948-7361

December 10, 1987
RP:0084

Colonel F.W. Wanner
District Engineer (PODCO-O)
U.S. Army Corps of Engineers
Building 230
Fort Shafter, Hawaii 96858

Dear Colonel Wanner:

Application for Department of the Army Permit
(Public Notice No. 2021)
Shoreline Revetment, Construction of
Kaanapali, Maui

Time does not permit our usual broad review of this permit action, however, we would like to offer a few comments for your consideration.

Construction of sea walls and revetments such as those proposed in this case frequently results in loss of sand from the shore adjacent to the "protective" structures. Prediction of consequences of seawall and revetment emplacement requires appreciation of detailed physical oceanographic properties of the coastal waters under both average and extreme conditions.

The applicant should be aware that the use of the beach will not only be disrupted during construction (as stated in the permit), but the restored beach is likely to be lost completely once the revetment is in place.

Sincerely,

Jacquelin Miller
Associate Environmental Coordinator

cc: OEQC
L. Stephen Lau