

UNIVERSITY OF WASHINGTON  
SEATTLE, WASHINGTON 98195

College of Fisheries  
Laboratory of Radiation Ecology

July 10, 1975

Mr. Wm. J. Stanley  
Energy Research and  
Development Administration  
Pacific Area Support Office  
P.O. Box 29939  
Honolulu, Hawaii 96820

REPOSITORY DOE/PASO  
COLLECTION DOE/NV  
BOX No. 1234  
FOLDER BIKINI - MISC CORRESPONDENCE / RPTS  
9/74-12/75

Dear Mr. Stanley,

I would like to request a change of sampling at Bikini Atoll from our previously scheduled trip of 18 August to 3 September 1975 to the first two weeks in December 1975. Discussion with Mr. James Miller of your office indicated that the LCU would be available at this time.

We would like to have logistic support for four people who plan to collect water, sediment and biological samples in the lagoon and nearby waters. The sampling program is a follow-up of our 1972 trip on the R.M.V. Palumbo. Most of the samples collected in the 1972 survey have now been analyzed and gaps in the data have been found. These need to be filled to achieve a more complete picture of radionuclide distribution at Bikini Atoll. Thus, the sampling objective will be to collect samples from specific regions of the Atoll and to test certain water and sediment sampling devices. The study is part of our ERDA program on Biogeochemical studies of Radionuclides in Aquatic Environments. The focus of our sampling and analytical program is to measure the trans-uranium elements in the Bikini ecosystem although other radionuclides will also be measured to compliment the trans-uranium data.

Requirements for logistic support include a winch and Shipek Dredge for sediment grab sampling. The winch should be free falling so that a three inch corer can be used to penetrate into the sediments. The capacity of the winch should be ca 3000 lbs. and have at least 200 m cable. A Boston whaler or equivalent will be needed to collect plankton samples and to transport people and equipment to the near shore and island regions. We will need freezer space on board to preserve the samples and a supply of dry ice to send the frozen samples back to Seattle. The A.C. power on board to run the pumping and counting equipment should be satisfactory. Deck space will be needed for our hose reel spool and water pumping equipment. The hose reel spool should be near the hydro wire since the wire is used with the hose and water pumping system. The size of the spool is 4x4x6 ft. Deck space is also needed to store 20-30 gallon drums. A platform outside the railing is needed for coring.

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I hope that the requested changes do not cause great inconveniences. It is necessary for us to postpone our trip due to calibration tests being run on the equipment and to work scheduling problems.

Yours sincerely,



W.R. Schell

Research Associate Professor

cc Mr. Roger Ray, Assistant Manager for Operations, Las Vegas, Nevada  
A.H. Seymour