



University of Rhode Island, Kingston, R.I. 02881  
 Graduate School of Oceanography, Narragansett Bay Campus  
 Telephone: (401)792-6256

405433

September 13, 1979

Government of American Samoa  
 Office of the Attorney-General  
 Pago Pago, American Samoa 96799

Dear Sir:

The Sea-Air Exchange (SEAREX) Program is a multi-institutional venture funded by the National Science Foundation. The general objectives of the SEAREX Program are threefold; first, to obtain quantitative measurements of atmospheric fluxes of selected heavy metal chemical elements, particulate organic carbon, and organic compounds such as PCB and DDT; secondly, the identification of the sources for these substances in the marine atmosphere; lastly, the investigation of mechanisms of exchange of these substances across the sea/air interface.

The first remote field flux experiment took place between December 1978 and August 1979 in an area of the northern hemisphere tradewinds on Enewetak Atoll. The second SEAREX remote field flux experiments are scheduled to take place in the southern hemisphere tradewind region at American Samoa at the NOAA GMCC observatory located on Cape Matatula. The air sampling tower and other facilities are to be erected in November-December 1980 and the experiments will take place in January-February 1981 and July-August 1981.

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Sometime in early October 1979, I will be visiting American Samoa for the purpose of making a final evaluation of the proposed sampling site. During this time I will be particularly interested in logistical areas such as power supply, housing, and the obtaining of both local labor and services. If appropriate to you, upon my arrival in Pago Pago, I would like to contact your office for the purpose of scheduling an informal meeting. At that time I can answer any questions which you may have and we can discuss further the directives of the SEAREX Program in American Samoa.

Until then, I would like to thank you very much for your time and cooperation. I look forward to our meeting in October.

Very truly,

Roger J. Cayer, Jr.  
 SEAREX Coordinator

RJC/vec

cc: Dr. Robert A. Duce  
 Chairman, SEAREX Executive Committee  
 Mr. Joseph Merrill, PASO/DOE

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