



UNITED STATES
ATOMIC ENERGY COMMISSION
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February 10, 1972

Martin B. Biles, Director
Division of Operational Safety

THRU: Robert J. Catlin, ADHP

PLANNING MEETING - 1972 BIKINI SURVEY

The following staff met at the Las Vegas offices of EPA on February 4, 1972, to plan for the next Bikini survey:

Ray - NV	Moore - WERL
Cluff - NV	Costa - WERL
Hendricks - NV	Wruble - WERL
Lynch - NV	Held - University of Washington
Stewart - NV	McCraw - Hq. AEC

The first discussion centered around air sampling. WERL staff would like 4 air samplers on Bikini Island, in the village area and in the camp area where people are now located; also, possibly one sampler on Eneu. Reports to date have not indicated that there is a dependable source of continuous electrical power on Bikini. The concensus of opinion was that Global should be requested to provide a diesel engine and generator (about 5 KW), fuel, and operator for power for the Bikini air samplers. WERL will make power cables in 1,000 foot lengths such that all samplers will have a common supply. This will solve the problem of transporting fuel and avoid some of the difficulties with the gasoline-powered samplers in 1970. Power is available on Eneu.

WERL staff will provide the air samplers and filters and collect and analyze the samples. They will prepare a plan for air sampling for AEC review. WERL staff stated they are interested in establishing a permanent air sampler station in Bikini Atoll as a part of their nationwide network. They propose establishment of a station on Eneu where there is electrical power, to be moved later to Bikini if and when power is available there. They would consider paying a monthly sum for an operator to change filters and mail them to the laboratory. They would look for the long-lived radionuclides. This could be sensitive and is a subject for discussion with the High Commissioner.

REPOSITORY DOE/PASO
COLLECTION DOE/NV
BOX No. 1227, "ERDA #2"
FOLDER BIKINI SURVEY
JAN THRU DEC/1971
& THRU JUNE/1972

University of Washington staff will perform soil sampling and analysis with particular interest in samples from locations where houses are constructed. Cost of analysis for Pu is about \$45.00 per sample. There was some discussions on the need to look for uranium in Bikini soils. Held stated that trees planted for food such as pandanus should be labeled for repeated sampling over the years as he has found differences in radioactivity levels from tree-to-tree as high as a factor of ten. Held will collect vegetation samples including any food crops, plus samples of water (sea and well water), and terrestrial and marine organisms. He would like eight cubic feet of freezer space on Eneu. This is another point to discuss with the High Commissioner.

Next, there was discussion that the data base for Pu in Bikini soils could be extended by analysis of additional soil samples collected in 1970. WERL staff stated they could analyze about 100 soil samples for Pu per month at a cost of about \$35.00 per sample. Held would also like to analyze additional samples from the 1970 collection if funds were available. He would need about \$2,500. If it were known that these funds would be available in FY 1972, the lab work could possibly begin in April. WERL will provide gamma survey instruments and will monitor around and in the houses in the village area. Also, any collected scrap in the Atoll will be monitored.

As to time of the survey and team membership, it was decided that the team would meet in Honolulu to take the MAC flight to Kwajalein on May 1, 1972. Held recommended that with the tasks to be performed, the team would need to be in Bikini Atoll about 12 days. Held will prepare a schedule of survey activities as before with the understanding that this plan is subject to change. The team will consist of:

University of Washington	- 2
WERL	- 2
NV	- .2
AEC Hq.	- 2
+ Global support	

The plan is for the team to travel from Kwajalein to Eneu and return by air. The team will be provided water transportation within the Atoll through use of the boat purchased by AEC and now at Honolulu and a boat operator from Global. The boat is to arrive in Kwajalein on March 28, 1972 and will be transported to Bikini prior to team arrival. NV, through PASO, will secure the necessary Global support and will obtain logistics support for the team and its equipment west of Honolulu.

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Cluff stated they had given the task of providing communications outside the Atoll to the NV communications office. The base station is planned for Eneu, to communicate with JI. Possibly equipment will be from Amchitka. This system is to be in place before the team arrives at Bikini.

On the return flight from Bikini, Held plus one other will be dropped off at Eniwetok. This effort is separate from the Bikini survey and will not be covered by OS funding.

As for the visit to Saipan, Cluff is to prepare an agenda for the meeting. I am to prepare a collection of background materials plus a draft TWX to the High Commissioner confirming the date of the visit (the week of March 6, 1972).

I was informed by Bill Moore that SWRHL-111r, the EPA report on Bikini cleanup and on the 1970 survey, was in the mail. He provided a copy. Held stated that his companion report would be distributed next week.

Tommy F. McCraw

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