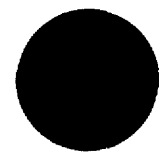




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Department of Energy
Pacific Area Support Office
P. O. Box 29939
Honolulu, Hawaii 96820

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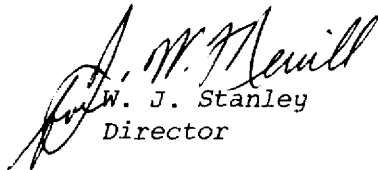
Addressees

OPERATIONS PLAN LLL - UNIVERSITY OF HAWAII, ENEWETAK
AND BIKINI, APRIL 3 - 27, 1979

The enclosed Operations Plan covers Missions Nos. 4 and 5 for
FY 1979. It has been coordinated with LLL (Dr. Robison)
and H&N (Mr. Murawski) and where relevant with Drs. Buddemeier
and Smith from the University of Hawaii.

For additional information please contact Harry Brown.

Sincerely,


W. J. Stanley
Director

OP-197
HUB:jhf

Enclosure:
Operations Plan

Addressees

- Roger Ray, APO, NV
- Oscar DeBrum, DISTAD/TTPI
- Commander, JTG, COL Bauchspies
- Adrian Winkel, HiCOM, TTPI
- R. W. Taft, AM/PE&B, NV
- C. E. Otterman, U.S. Oceanography
- Jim Watt, DOE/DNA Coordinator
- Don McAfee, Global Associates
- COL J. Reeve, Commander, KMR
- Mr. W. Koga, H&N/PTD
- Mr. D. Brush, H&N/PTD
- Mr. T. Murawski, H&N/PTD
- Mr. R. Lamb, H&N/PTD
- Mr. J. Foard, H&N/PTD
- Mr. H. Brown, DOE/PASO
- Dr. W. Robison, LLL
- Dr. S. Smith, HIMB
- Dr. R. Buddemeier, U of H

REPOSITORY DOE/PASO
 COLLECTION DOE/NV
 BOX No. 1236
LLNL FOLDER #3
 FOLDER FY 1979
GENERAL CORRESPONDENCE

OPERATIONS PLAN

MISSIONS FY 1979 NOS. 4 & 5

ENEWETAK ATOLL AND BIKINI ATOLL

I. BACKGROUND AND PURPOSE

Lawrence Livermore Laboratory (LLL) has DOE-sponsored programs in the Marshall Islands involving the sampling, measurement, and cycling characteristics of radionuclides in soil, water and biota. These investigations are aimed at producing results which will better enable the United States Government to rehabilitate Marshall Island Atolls for the safe use by their former residents.

II. DESCRIPTION OF MISSION

A. Mission No. 4 - Enewetak

Supported by DOE Research Vessel Liktanur II to:

1. Sample groundwater from Enjebi and Runit.
2. Take lagoon water and sediment samples.
3. Work on the Enjebi (Janet) test plots and farm.
4. Repair equipment and upgrade continuing experiments to determine rainfall, evaporation, rates, soil column moisture and incident radiation.
5. Collect samples on Belle (Bokombako), Daisy (Louj), Irene (Boken), Sally (Aomon), and Tilda (Bijire), as part of a continuing time dependent study.

B. Mission No. 5 - Bikini

Supported by DOE Research Vessel Liktanur II to:

1. Sample groundwater on Bikini and Eneu.
2. Take lagoon samples.
3. Perform test plot studies on Eneu Farm.
4. Repair equipment and upgrade experiments.
5. Collect samples on Bikini and Eneu as part of continuing time dependent study.
6. Perform radionuclide cycling studies.

III. RESPONSIBILITIES

Dr. William Robison and Dr. Vic Noshkin will be co-Party Chiefs on Enewetak. Dr. Robison will serve as Party Chief on Bikini.

IV. SCHEDULE *

	Hono		Kwaj		Enewetak		Kwaj	Bikini	Kwaj	Hono
	Arr	Lv	Arr	Lv	Arr	Lv				
W. Robison	3/29	3/30	3/30	4/4	4/4	4/13	4/18		4/28	4/28
W. Phillips	3/29	3/30	3/30	4/4	4/4	4/13	4/18		4/28	4/28
R. Eagle	3/29	3/30	3/30	4/4	4/4	4/13	4/18		4/28	4/28
V. Noshkin	4/2	4/3			4/3	4/13	4/14			4/14
G. Holladay	4/2	4/3			4/3	4/13	4/18		4/28	4/28
J. Rehder	4/2	4/3			4/3	4/13	4/18		4/28	4/28
K. Marsh	4/2	4/3			4/3	4/13	4/18		4/28	4/28
W. Burke	4/2	4/3			4/3	4/13	4/18		4/28	4/28
C. Fraley (U of H)		4/3			4/3	4/13	4/18		4/28	4/28
T. Jokela	4/2	4/3			4/3	4/13	4/18		4/28	4/28
M. Mount	4/2	4/3			4/3	4/13	4/18		4/28	4/28
M. Stuart			4/16						4/28	4/28
S. Thompson			4/16						4/28	4/28
B. Clegg	4/2	4/3			4/3	4/13	4/18		4/28	4/28
J. Johnson			4/16						4/28	4/28

* The above dates should be regarded as tentative to the extent that the Fission Products Survey at Enewetak work progress might allow or dictate slight alterations. There is also a possibility that a short trip on the Liktanur II from Enewetak to Ujelang and return to Enewetak may be necessary after the LLL mission on Enewetak is complete. All parties will be kept advised as far in advance as possible.

V. LOGISTICAL SUPPORT REQUIREMENTS

A. For Mission No. 4 (Enewetak)

1. Enjebi trailer and generator operational
2. Backhoe
3. 3 - 4X trucks, 2 on Enjebi and 1 on Enewetak
4. 2 drums gasoline
5. Aquasport

B. For Mission No. 5 (Bikini)

The following equipment is to be on board Liktanur:

1. Small backhoe from DCCB
2. Mule
3. 1 jeep
4. Small dozer
5. 2 drums gasoline
6. Metzeler raft and 15 HP Johnson
7. 2 whalers

C. Area clearances, lodging and vehicles per TWX 131840Z from Dr. W. Robison.

D. As feasible and with concurrence of Dr. Noshkin, MPML is requested to assist in obtaining 50 gram samples from each point taken by Dr. Noshkin, and freezing them for shipment to Dr. Smith.

E. DOE/DNA Coordinator to prepare a manifest for Mission No. 5 (Bikini) and forward to H&N/PTD for billing purposes.

H&N Enewetak in coordination with U.S. Oceanography and LLL to prepare manifest for Mission No. 4 and forward to Honolulu for billing purposes.

VI. FUNDING

LLL support is funded through a Request for Services (SANL) No. 609 issued by the University of California under U.S. DOE Prime Contract No. W-7405-ENG-48.

OPERATIONS PLAN

Missions FY 1979 Nos. 4 & 5

-4-

Subsistence charges aboard the Liktanur II will be billed by Holmes & Narver at the rate of \$6.00 per day in accordance with PASO SOP No. 2.

VIII. REPORTS

In accordance with requirements V., of the "Development of R.V. Liktanur Operations Plans" procedure dated September 25, 1975, the Party Chief will submit a report no later than 30 days after completion of the operation to the Director, PASO, with an information copy to the Assistant for Pacific Operations, NV. This report should be concise and cover all pertinent information such as adequacy of support, and offer any comments or recommendations which will improve future operations.