US DOE ARCHIVES 326 U. JATOMIC ENERGY COMMISSION

DOE HISTORIAN (DBM) Coll. //32 Box <u>3362</u>

Folder #14



410824

AUG 25 1153

Eajor General Percy Clarkson Commender Joint Task Force 132 Washington 25, D. C.

Dear Commal Clarksons

OPENNET ENTRY to For Have my Date: 7/4/-15 Date: Not Authorized for Public Release

The purpose of this letter is to define more exactly the sine and procedures for the world-wide fallout scattering program for IVY and to clerify the need for our request in the accompanying letter.

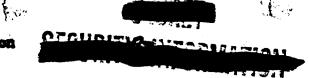
The purposes of the program are as fellows:

- 1. To enable Task Force 132 and the V. S. Atomic Energy Commission to respond quantitatively to imquiries concerning the deposition of redivertive debris in
 - a. Continental United States
 - b. Pacific Islands beyond the cognizance of the Task Force (particularly those in the annulus 500-1000 miles from Enimetek).
 - e. Other locations in the world where it will be possible to establish stations through the cooperation of the U.S. Veather Bureau, the U. S. Air Force, and the U. S. Department of State.
- 2. To extend our knowledge of the fate of radioactive debris from a malear detenation.
- 3. To define the gree of maximum fallout in order that positive information with respect to potential hemands from Operation IVI ean be suitably documented.
- is. Although not a primary purpose of this undertaking, the data obtained will be of great help to the U. S. Weather Bureau in advancing their knowledge of planetary air novements.

NTACHMENTS	DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	DETERMINATION (CIRCLE NUMBER(S))	2. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO:	3. CONTAINS NO DOE CLASSIFIED INFO A COORDINATE WITH:	S)CLASSIFICATION CANCELLED	DOTHER (SPECIFY): PAGES 1-4 DA	
WITHOUT ENCL/ATTACHMENTS	DEPARTMENT OF ENER		AASINGEMIN WILL	REVIEWER (ADD):	NAME: MLKOUGHY	DATE: 11 PORY	

BEST CO	OPY AVAILABLE	This material continue the affecting the
OFFICE >		of an american an american red person
SURNAME >	C	nibited by law.
DATE >	Comment of the commen	MILITARY DESCAPRIL & APPL 1
Form AEC-318	U. S. GOVERNMENT PRINTING OFFICE	10-63761-2

General Clarkson



AUG 25 1294

In poweral the program will be administered along the following lines:

The basic network, as proposed, consists of 96 stations located at facilities operated by the U. S. Weather Bureau, the Air Force and the U. S. Department of State.

Each of these stations will collect deplicate fallout complex using the gamed paper technique. Sellectors would be changed every 2h hours and the complex ferwarded to New York for radiometric evaluation. Sellections would begin tererds the middle of October and continue for an indefinite period beyond the second IVI detonation, the exact length of time to depend on the findings.

Within this network there will be appreximately a dozen air sampling stations divided equally between Continental United States and the Pacific Islands in the annulus 500-1000 miles from Enimotek (the exact legation of the Pacific stations will be decided at a later date.)

In order to obtain information on fallout at the localities immediately beneath the cloud trajectories, the network of fixed monitoring stations will be augmented by sobile units based as follows:

HOHOLULU:

It is proposed that a member of the Mealth and Mafety Division of the New York Operations Office be assigned to Pearl Harbor and that six Nevy or Air Force personnal be assigned for possible menitoring operations in the Mammilan Islands. It will be desirable but not essential that the individuals have had some radiological training. On the basis of past experience, they can be trained for their mission in 3-3 days. The individuals then will be held in readiness in the event the cloud trajectories warrant detailed as assuments in the Hawailen Group.

QUAM:

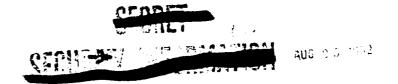
Similarly, a six max unit should be assembled at Ouen where a representative of the Health and Safety Division of the New York Operations Office will be assigned. Of the three bases of mobile operations, the unit at Guen appears to be

	This material contains information affecting
OFFICE >	meaning of the Sues. 763
SURNAME >	of volume to the state of the s
DATE >	

Form AEC-318

u. s. SOVERNMENT PRINTING OFFICE 16-62761-

General Clarkson



the most necessary because within its area of responsibility are islands on which fallout can be expected to occur. It is contemplated that the group at Gues will be assigned responsibility for recommaissance of the Philippines and the Carolines.

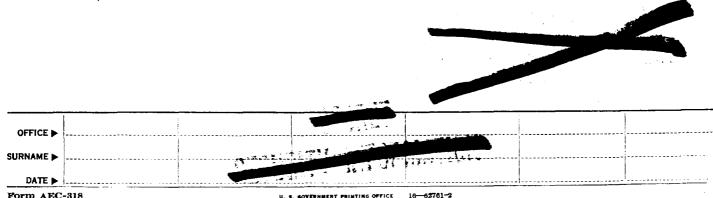
KRAJALEIN:

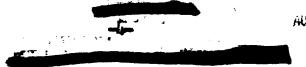
A representative from the Health and Safety Division of the New York Operations Office at Kwajalein will be assigned responsibility for recommissance of that portion of the Marshalls beyond the cognisance of the Task Force, and the Gilbert Islands. This individual will be assigned responsibility for limited with Task Force 132. He will also be responsible for limited with Atomic Henry Commission's operations at Ouse and Honolulu.

Description our recent discussions with Commander Maynard, personnel and equipment limitations at Kwajalein may require that the staff and facilities of the Radsafa Officer be mutually utilized; however, it appears highly desirable that no less than six non-commissioned personnel be assigned to our monitoring mission.

Ideally, the mobile teams should obtain the kind of data which have been collected during the past two sories of tests in the United States. It is proposed that the team be completely equipped by the Atomic Energy Commission for the type of measurements we have a do in the past, but because of operational difficulties inherent in the South Pacific, their actual mission should be determined in the field by the MYCO representative in charge. In some instances it may be feasible to collect complete data beginning prior to the arrival of the cloud, but it is more likely that our mobile operations will often consist of after the fact background redistion measurements.

To complete the picture of this world-wide fallout monitoring program as now envisioned there is attached a list of stations that will probably be in operation. This list is subject to minor





chang a efter further conferences with the W. S. Weather Dureau and Department of State. The W. S. Air Force stations indicated are actually Air Weather Service installations located at these bases and their participation will be under the direction of the W. S. Weather Sureau.

Very truly yours,

John C. Bugher, M.D. Director Division of Biology and Medicine

Addressee - 1A
cc: Cadr. Maynerd - 2A
ifr. Eisenbud, NTO - 3A
Captain Haight, DMA - 1/A
Biophysics - 5A
6,7,8 - BM Files
CMD smed

Director

Buther

This material contains in the material national national and services of which are a material discount of which are a material discount of the mat

DATE ▶ Form AEC-318

OFFICE >

SURNAME >

Biophysic

Dunning

8-22-52

\$. GOVERNMENT PRINTING OFFICE 16-6276