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LGM

1 AUG 1972

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MEMORANDUM TO THE DIRECTOR, ENERGY DEPARTMENT  
(Office of Civilian Defense and Affairs)

SUBJECT: FILE NUMBER 100-10000

Return Eniwetok to TTPI

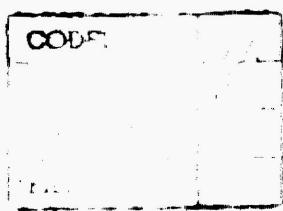
1. Reference is made to your memorandum, 17 July 1972, subject as above, whereby you requested that DNA be directed to initiate planning to develop the technical work and costs required to clean up Runit Island at Eniwetok for return to TTPI.
2. In anticipation of this action, a joint survey was conducted to determine the nature and extent of contamination at an order of magnitude estimate obtained during the survey. This estimate alone might be of little value, however, and perhaps it would be misleading to state that it may not be feasible to return TTPI to use. A later report by the engineer of AEC gave a somewhat detailed estimate of cleanup to be conducted, indicating costs to be added to the original estimate of \$35 million.
3. Subsequent to the joint survey, a meeting was held between AEC and DNA at Germanic National Bank on 17 August 1972 to assist in developing a plan of action. The substance of the discussion at this meeting will be summarized below.

In support of this action, DNA participated in a joint survey of Runit Island in May 1972 to determine the nature and extent of contamination involved and to arrive at an order of magnitude estimate. Based on information obtained during the survey, DNA estimated that cleanup costs would be approximately \$35 million and that Runit Island would have to be cleaned up to such an extent, that it could be made safe for human habitation. AEC engaged Nuclear Waste Services, Inc., a subsidiary of Nuclear Energy, Inc. for the cleanup cost, indicating the estimated cost would cost from \$27 million to \$35 million. The cost of ocean transportation of radioactive debris by deep sea vessel was estimated to be \$10 million.

At the meeting on 17 August 1972, a plan of action was developed to assist in returning TTPI to use. The plan of action will be submitted to you for review and approval. It is anticipated that the joint review will be completed by 15 September 1972. The plan of action will include a schedule of actions to be taken to accomplish the task and to develop a plan of response to your memorandum. The conclusions reached will be summarized below.

FOR THE DIR.

1 Encl.  
as



*J. P. G. [Signature]*

J. P. G. [Signature]  
Major J. P. G. [Signature]  
Director, Civilian Defense and Administration

PP-126-80-Box 519  
Trust Territory [Signature] (11)

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1. PURPOSE: The purpose of this memorandum is to establish policy for the use of the term "B&W."

... to furnish information for formulating

## 2. BACKGROUNDS

a. From April 1948 to the present location of ~~██████████~~ test facility, DWN WING and HAWK have been the sole source of debris from the test program. Since one-half of the debris has been recovered, test activities will be discontinued. For the past two years DWN has been the sole test contractor for the PACE test program. The PACE test program will be discontinued presently due to the fact that the inactive Air Force contract will be let to a new contractor in the near future.

b. On 11 August 1970 the E. Johnston and Major R. L. announcement that the U.S. jurisdiction had been taken by the end of the month. The DNA representative and his action office were to receive the return of the evidence.

c. As the team approached the visited the area and found the cleanup job to be incomplete. still existed in the plutonium Runit, and ~~R~~<sup>P</sup> was leaking plutonium. English (Jan 1970) was by a significant amount of plutonium substance. energy bypassed the plutonium Air Force.

d. The following report is on this surgery. The patient was a radiologist who had been having recurrent epigastric pain for several years. He had been seen by a number of specialists and had undergone a number of diagnostic tests. The results of these tests were as follows:

Iriomote Atoll was the  
FIRST NE, IVI, CASTLE, RED  
in weapon tests. Much of the  
radioactive remains. About  
atoll was the location of some  
for the past one and one-half  
years. Atoll as a site for  
explosives. The atoll is  
air force which has an  
island. A civilian  
(subsidiary) is operating  
West Command (SAMTEC).

Commissioner, Honorable Edward  
Mayo Williams made a joint  
decision to return Eniwetok to the  
Territory of the Pacific Islands (TTPI)  
and informal talks began between  
Captain S. Schuller, USN, the  
Commandant planning for the

• M.C. I.D. and EPA personnel.  
• Determine the size of the  
• current radiological hazard  
• at Eboshi, Asuron, Biijiri,  
• Amilia, Yvonne and ~~Alma~~.  
• To have been contaminated  
• with plutonium, a highly toxic  
• material. An explosion of a high  
• yield nuclear weapon test by the

and cost estimate based  
on our reaching assumptions.  
It is to the extent of  
the unpredictability of the  
need for radioactive debris,  
environmental and political  
problems created by DNA  
that we plan for this cleanup.

AEC later had an analysis placed the area see burial sites.

### 3. DISCUSSION

a. On 1 August 1971 AEC and DNA representatives met with their most familiar representative the Air Force at Eniwetok. The meeting arrangements reached.

#### b. Work Program

The first objective must be effective and efficient effort in cleanup of the site given to DOD. Information of a technical nature will support including differences (permissible) between AEC and contractor.

(1) It is believed without interference with the cleanup of the site that there is some merit in the presence of a scientific panel at this report. It is felt that it would be helpful.

(2) It is the opinion of TTPD is concerned with the (a) planning and (b) habitat and (c) sustainable

(4) It is recommended the High Court of the return of the Atoll at the time function for the usual to follow.

an estimate based on available data. Their estimate was \$2 million, using deep radioactive and other debris. This is the cost of cleanup and seems significant agreement.

A meeting was held by the AEC in Germantown. AEC brought in the Operations Office who were involved in PACE and DNA brought in which is directly engaged with DOD in the PACE tests at Eniwetok. Actions reached in this meeting were general agreement.

concept will provide the most information and accordingly the on-site task force. If the cleanup task is similar to that of PACE, it would provide scientific and radiological criteria for radiological evaluation

The cleanup can be accomplished in a series by scheduling the tasks are completed. Actually, the project from PACE since the general support capability is at a much higher level

return of the Atoll to the principal categories: islands safe for human return the Atoll to a life

The joint announcement of 18 April 1972 promising by the end of 1973 makes this is considered essential interagency meeting be concerned with the

existing conditions and to make everyone aware of the problems involved in planning and carrying out the cleanup.

(5) It is recommended that the USAF as well as other Federal agencies involved in the cleanup should be made responsible to clear up the debris left over from the retain the responsibility for the debris.

c. Administrative Requirements

(1) It is recommended that throughout the plan of land clearing it is that the District Superintendent, throughout the island, and the USAF in the removal of debris, should individuals to be used in the work used in the removal of debris in the camp areas and those who consulted as to the amount of debris to be left for the USAF personnel.

(2) It is recommended that real property, including all USAF Real Property located on the atoll to the USAF, should be individual interest in the same by the District Superintendent, who should retain the right to the transfer of the property.

(3) It is recommended that the Micronesian Government, after giving cover to the USAF, PACE and pursuant to the plan. Based on the information available to challenge the USAF's cleanup plans do not consider essential to the plan environmental state begin as soon as possible debris has been removed.

d. Financial Requirements

meeting, as far as possible, those requirements of the joint

and would make everyone coordinated action in the

real estate interest, such as part of the Federal government of their requirements of the former found infeasible and it may be prudent to

es.

should be maintained throughout. It is considered desirable representatives on the island whose could be used to assist in the difficulty in following though best they not be of course, they could work close. The TPI must be sure and equipment are to be available to natives.

action of the Atoll and the where are carried on the of jurisdiction of the the progressive transfer of and custody accepted by the active. The Air Force of the United States until

change of the role of the already filed a brief environmental statement for the People of Eniwetok. After, they may be expected to do the cleanup if our Accordingly, it is considered advisable be brought in available time. An environmental preparation should be made by the District and other

to the Joint AEC-BOD discussion on funds to because it was thought

that the participants had been meeting. The medical service radiologist was present and of approximately 1000 logistic support personnel, the preflight preparation

for the interagency  
the October-December  
and samples at a cost  
plans to fund certain  
survey as well as  
a cost of about \$150,000.

e. Gen. 1:1.

1. The above date follows a logical survey of the atoll island and is considerably earlier than sometime in late September or October when the AEC research vessel, PALUMBO, arrives on station. AEC ~~is sending \$100,000~~ is available to initiate this survey and is ~~available~~ ~~on the~~ ~~island~~ within \$100,000 within the agency and DNA will be prepared to ~~make~~ and make other base support available through the use of the normal Eniwetok assets.

made concerning the nuclear facility as well as the removal of debris as it is removed. It is to be phased out by the end of 1972, awaiting the results of the experiment. Thus far, no plans have been made and this can be attributed to the DNA plans to use the PWR design and plans to use the Pressurized (PWR), U.S. design during the licensing phase. The architect is Klein, 389 Main Street, New Haven.

The engineering survey should be conducted during the radiological survey. Information on radioactive activities are scheduled to be completed by September - 5 December. An environmental impact statement will be prepared by PACE and other logistics support. The Pacific Ocean Division will be supporting this survey by performing its engineering tasks at the POD located at Kwajalein.

necessary analysis (3) can it be demonstrated that the safe and effective removal of contamination from the system at this time, is feasible? Is it economical? Are there reasons to believe that it is to control the problem?

should survey such as this and  
the islands can be made  
as is sufficiently free of  
mines. Also, at  
cleanup of Runit Island  
it may be necessary for safety  
to go with the TTPI in order  
to do this.

population is small at the present time and  
should be surveyed periodically in order  
to determine the ~~changes~~ of  
which the ~~islands~~ ~~are~~ ~~subjected~~  
it is also found that the  
islands in the ~~area~~ ~~are~~  
are still ~~subjected~~

return of the native  
group can begin. There  
January or February 1973  
~~over the food chain after~~  
~~the cleanup.~~ Conceptually,  
the least contaminated  
clockwise around the  
is reused for PRICE

• after the test period no conflict will ever be optimistic about the

with this flexibility, terms and the most

#### 4. RECOMMENDATIONS

a. That a single program for cleanup and removal be established to coordinate and to set up a program of several departments of the

that we adopted for the Coordination Committee be expanded to provide planning guidance for the various activities and interests of the involved.

b. That the cleanup program be divided into the following:

(1) Planning and

(2) Cleanup Phase

(3) Settlement Phase

of the atoll to the TTPI

and that prior to the completion of these be assigned a lead agency.

c. That a sufficient amount of obtained. All scientific, medical, and engineering data be made available for plans. This will be part of the cleanup operation to be determined.

and method of funding be determined by the current radiological survey. Development of suitable procedure such support to the

d. That a final report which calls for the radiation levels after results of the October 1961 survey are known, and the test results be determined.

and the cleanup scheme for the cleanup operation to be determined.

e. That the following Department of Interior, the Energy Commission, the appropriate representatives attend the Interagency meeting.

Department of Interior, the Energy Commission, the appropriate representatives attend

- (1) Bureau of Land Management
- (2) Bureau of Reclamation
- (3) National Park Service
- (4) Geological Survey
- (5) Environmental Protection Agency
- (6) Energy Commission
- (7) ~~Atomic Energy Commission~~
- (8) ~~U.S. Fish and Wildlife Service~~
- (9) ~~U.S. Fish and Game Commission~~

and find out the quality of the Agency

the Department of Interior, the Energy Commission, the appropriate representatives attend

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43. That all members of the  
current plan to visit the atoll  
islands prior to the departure  
present estimate of the time

be briefed on  
situation of the atoll  
and informed of the  
problems involved.

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