

LGE

1 AUG 1972

R

MEMORANDUM FOR THE ASSISTANT SECRETARY OF DEFENSE  
(International Security Affairs)

SUBJECT: Plans for cleanup of Eniwetok to TTPI

1. Reference is made to your memorandum, 17 July 1972, subject as above, which requested this office to initiate planning to develop the work and resources required to clean up Eniwetok for the 1973-74 season.
2. In anticipation of this effort, DNA participated in a joint survey of Eniwetok and Runit Island in May 1972 to determine the nature and extent of contamination involved and to arrive at an order of priority for cleanup costs. Based on information obtained during this survey, DNA estimated that cleanup costs alone might amount to approximately \$100 million and that Runit Island and perhaps other islands might have to be made safe for human use. A later report from the Atomic Energy Commission (AEC) gave a similar estimate of cleanup costs, indicating the cleanup to be completed by 1975 at a cost of \$35 million, plus an additional \$10 million for ocean transportation and ocean burial of debris by deep ocean burial.
3. Subsequent to the joint survey, a meeting was held between AEC and DNA at Germantown, Maryland, in June 1972 to jointly review the information available and to develop a schedule of actions to assist in carrying out the cleanup task and to develop information to be provided to the State Department in response to your memorandum. The substance of the meeting and the conclusions reached at this meeting are summarized in the attached memorandum.

FOR THE DIR.

1 Encl  
as

CODE	

*[Signature]*  
 Lt. Colonel  
 Staff Lt. USAF  
 Dir. (Int. Security Affairs Administration)  
 OP-26-80, Box 319  
 Post-Office  
 (11)



AEC later had a second estimate based on an analysis of the available data. Their estimate placed the cost at approximately \$10 million, using deep sea burial for the most radioactive and other debris. *This is the cost of the significant soil removal.*

a. On 1 August a joint meeting was held by the AEC and DNA representatives at Germantown. AEC brought in representatives from their Naval Operations Office who were most familiar with the conditions at Eniwetok and DNA brought in representatives from Field Command which is directly engaged with the Air Force Weapons Laboratory in the PACE tests at Eniwetok. The discussions and discussions reached in this meeting are detailed in the attached general agreement was reached.

b. Operational Concept

The single management concept will provide the most effective organization for the cleanup and accordingly the on-site effort in carrying out the cleanup. If the cleanup task is given to DCC, a detachment of a Task Force similar to that used at Bikini is proposed. This would provide scientific support including the interpretation of radiological criteria (permissible level of radiation) and radiological evaluation and control of the cleanup.

It is believed that the cleanup can be accomplished without interference with the test series by scheduling the cleanup of the area after the tests are completed. Actually, there is some concern that the cleanup project from PACE since the presence of the test series will require general support capability at this remote location. A much higher level than it would otherwise require.

The return of the Atoll to the TTR is considered under the following principal categories: (a) planning and execution of the islands safe for human habitation and (b) return of the atoll to a life (man) sustained environment.

(4) The return of the Atoll to the joint announcement of the High Command on 18 April 1972 promising the return of the Atoll by the end of 1973 makes the time factor a critical one. It is considered essential for the return of the Atoll to a life (man) sustained environment that an interagency meeting be used to fill the gaps in the information concerned with the

existing conditions and make everyone aware of the requirements for planning and implementation.

4. The District should be aware of the requirements for use rights and the requirements of the agencies in the area. The District should be responsible for the cleanup of the area and should retain the right to use the area.

c. Administrative Requirements

11. The District should work out the plan for the cleanup of the area that the District should be responsible for throughout the cleanup. The District should be responsible for the reliability of the information provided by individuals in the area. The District should be used in the cleanup of the area. The District should be consulted as to the requirements for the cleanup of the area. The District should be left for the cleanup of the area.

12. The District should be responsible for the real property of the area. The District should be responsible for the USAF Real Property and should be responsible for the transfer of the area to the District. The District should be responsible for the individual in the area. The District should be responsible for the District. The District should retain the right to use the area until the transfer of the area.

13. The District should be responsible for the Micronesians in the area. The District should be responsible for giving advice to the Micronesians. The District should be responsible for PACE and participation in the area. Based on the requirements of the area, the District should be responsible for challenging the requirements of the area. The District should be responsible for the plans for the cleanup of the area. The District should be responsible for the environmental state of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area.

d. Funding Requirements  
meeting, and the District should be responsible for those requirements.

The District should make everyone aware of the requirements for planning and implementation.

real estate interest, such as the requirements of the Federal Government. The District should be responsible for the requirements of the area. The District should be responsible for the requirements of the area. The District should be responsible for the requirements of the area.

e. Environmental Requirements

14. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area.

15. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area.

16. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area.

17. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area. The District should be responsible for the cleanup of the area.

that the survey will be held for the interagency meeting. The AEC is seeking to fund the October-December radiological survey of 1000 samples at a cost of approximately \$100,000. DNA plans to fund certain logistical support for this survey as well as the preliminary radiological survey at a cost of about \$150,000.

e. General Comments

1. Plans are detailed for a radiological survey of the atoll island chain scheduled to commence in late September or October when the EI research ship, PALUMBO, arrives on station. AEC ~~is having \$100,000 available to initiate this survey and is seeking the additional \$100,000 within the agency~~ and DNA will provide transportation and make other base support available from the OF and other normal Eniwetok assets.

2. Plans are detailed for an engineering survey should be made concurrently in order to support the radiological survey as well as to determine the information on radioactive debris as it is removed. The engineering activities are scheduled to be phased in during the period September - 5 December 1972, awaiting the completion of an environmental impact statement. Thus there will be a time competition between PACE and this engineering survey for other logistics support. DNA plans to provide the major support for supporting this survey and plans to seek assistance from the Pacific Ocean Division (POD), U.S. Department of Energy, in performing its engineering phase. The POD is located at the POD located at Kwajalein, 389 miles from Eniwetok.

*necessary analysis* (3) After a radiological survey such as this *and* can it be determined whether the islands can be made safe and reoccupied? Eniwetok is sufficiently free of contamination to be reoccupied by Eniwetokese. Also, at this time, the major portion of the cleanup of Runit Island is economic. It may be necessary for safety reasons to reoccupy Eniwetok in concert with the TTPI in order to control the cleanup of Runit Island.

4. Plans are being developed for the return of the native population to Eniwetok and the cleanup can begin. There should be sufficient data available by January or February 1973 to determine the status of the food chain after which the cleanup. Conceptually, it is assumed that the least contaminated islands to be reoccupied will be in a clockwise direction around the atoll chain. The islands to be reoccupied will be used for PACE

(15)

after those terms are determined. With this flexibility, no conflict of interest can be maintained and the most optimistic approach is followed.

#### 4. RECOMMENDATIONS

a. The cleanup program should be adopted for the cleanup and removal of the contamination Committee be established to provide planning guidance and to set priorities and interests of several departments involved.

b. The cleanup program for the atoll to the TTPI be divided into the following phases:

- (1) Assessment and Planning Phase
- (2) Cleanup Phase
- (3) Rehabilitation and Settlement Phase

and that program responsibilities for each of these be assigned a lead agency.

c. The agreement on the method of funding be obtained. All funds are to be used for the current radiological and engineering research and development of suitable plans. The Government should provide such support to the cleanup operation.

d. The program report on the cleanup scheme which calls for the initiation of the cleanup operation after results of the October 1971 survey are known, and the address of the program is determined.

e. The following agencies: Department of Interior, the Department of Energy, the Emergency Commission, the following agencies: representatives attend the Interagency Working Group:

- (1) Department of Interior
- (2) Department of Energy
- (3) Department of Health, Education and Welfare
- (4) Department of Defense
- (5) Department of State
- (6) Environmental Protection Agency
- (7) Atomic Energy Commission
- (8) Department of the Interior
- (9) Department of the Interior
- (10) Department of the Interior
- (11) Department of the Interior
- (12) Department of the Interior
- (13) Department of the Interior
- (14) Department of the Interior
- (15) Department of the Interior
- (16) Department of the Interior
- (17) Department of the Interior
- (18) Department of the Interior
- (19) Department of the Interior
- (20) Department of the Interior
- (21) Department of the Interior
- (22) Department of the Interior
- (23) Department of the Interior
- (24) Department of the Interior
- (25) Department of the Interior
- (26) Department of the Interior
- (27) Department of the Interior
- (28) Department of the Interior
- (29) Department of the Interior
- (30) Department of the Interior
- (31) Department of the Interior
- (32) Department of the Interior
- (33) Department of the Interior
- (34) Department of the Interior
- (35) Department of the Interior
- (36) Department of the Interior
- (37) Department of the Interior
- (38) Department of the Interior
- (39) Department of the Interior
- (40) Department of the Interior
- (41) Department of the Interior
- (42) Department of the Interior
- (43) Department of the Interior
- (44) Department of the Interior
- (45) Department of the Interior
- (46) Department of the Interior
- (47) Department of the Interior
- (48) Department of the Interior
- (49) Department of the Interior
- (50) Department of the Interior

83. That at the time of the  
current plan for the clearing  
islands prior to the present  
present site of the atoll

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

(17)