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20 September 1952

TO: Commander, JTF 132

FROM: Commander, TG 132.1

SUBJECT: INITIAL BIKINI DEVELOPMENT

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1. Problem

To establish a program for the initiation of base development on Bikini Atoll concurrent with and in coordination with the IVY operation.

2. a. Development Phasing Decisions

- (1) To establish base camp on Eniwman Island
- (2) To construct an LST Landing Site on Reere Island
- (3) To construct Air Strip (5000 feet) on Airukiiji Island
- (4) To causeway and clear as necessary the Eniwman - Airukiiji

Group.

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b. Discussion

The above decisions allow for the maximum flexibility in the selection of zero point for one statically detonated device in the Eniwman - Airukiiji group. Major test facilities required will not be known until an evaluation of the MIKE experimental techniques has been completed. Type of construction and standards will be in keeping with the intent of minimum cost directive of A.E.C.

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3. Requirements

a. Proposed Initial Ship Transportation Schedule:

- 1 Oct. - 10 Oct. - 1 IST and 1 LSD round trip from Eniwetok to Bikini:
- 2 LCU's (one LCU to return on LSD after discharge)
  - 4 LCM's - remain Bikini
  - 4 DUKW's - remain Bikini
  - 35 F&N personnel with certain heavy equipment and materials. Mission to start camp including establishing water supply and to build IST landing. Project 9.2 equipment to be included in transport.
- 10 Oct. - 20 Oct. - 1 LST round trip from Eniwetok to Bikini:
- Lumber and heavy materials
  - Construction equipment
  - 35 F&N personnel (brings Bikini total to 70)
- 20 Oct. - 27 Oct. - 1 IST round trip from Eniwetok to Bikini
- Construction equipment and materials as released from IVY mission
  - 30 F&N personnel (brings Bikini total to 100)

NOTE: During MIKE there is a Command requirement that a ship capable of lifting all Bikini personnel be present at Bikini. The preferred solution is that this be the IST which can carry 100 F&N personnel with additional equipment to Bikini departing Eniwetok M-1. The alternative is that this ship be the AFA (dewars aboard) departing M-1 with 100 F&N aboard. (Bikini F&N personnel total brought to 200 by this trip.)

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Subsequent to MIFE - 1ST trips as build-up requires

One LSD trip to deliver 2nd LCU and supplies

b. Proposed FBY Service

One round trip from Eniwetok to Bikini every other day. A.E.C. Contractor has predicated his entire phasing capability on this requirement.

c. Communications

Independent of Weather Station to establish H&N Bikini Camp - Eniwetok Radio Net - from JTF 132 sources.

4. Conclusions

- a. Requirement for ship transport for 400 H&N personnel to U. S. departing 27 October can be cancelled.
- b. Requirement for MATS air evacuation for 300 H&N personnel (instead of 250 as originally requested) from 14 October through M-1.
- c. Local evacuation for MIFE 800 H&N instead of 725.
- d. Requirement for USS PENNINGTON to off load ICM's and 9.2 equipment trailers at Bikini cancelled.

5. Recommendations

It is recommended that the requirements in Paragraph 3 above be approved, and further that authority be granted to initiate the Bikini development as outlined in this paper.

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