

The conclusions and special requirements pointed out in the study may be summarized briefly as follows:

1. The use of Taongi and Bikini would shorten UCRL operations overseas by about 7 weeks, over that time required if only Bikini were available. The effects on shortening the operation as a whole is not fully known but it would likely amount to three weeks to a month.
2. Taongi would be used only as a barge site. All diagnostics and firing would be accomplished from a ship. Use of the ship will permit flexibility in operation and will further reduce the time of stay of technical personnel overseas by about one month, since installation and dry running of equipment can be accomplished while the ship is still at San Francisco. The ship will need to be diverted soon in order to provide adequate time to fit it out. It is estimated that fitting out of the ship will cost about \$1,200,000.
3. The cost of site development on the basis proposed is estimated at \$3,000,000.

In view of all of the stated considerations it is our recommendation that the Taongi site be developed for use during HARDTACK. As a corollary requirement, a weather station should be established at Taongi now, even if ship-borne initially, to collect meteorological data through the present year.

Sincerely yours,

G. W. Johnson
Test Division Leader

GWJ/wl

Attachment - COL-57-11

Distribution:

- Cy. 1A - Brig. Gen. Alfred D. Starbird w/att. 1A
THRU: Mr. K. F. Hertford, ALOO
- 2A - Brig. Gen. Alfred D. Starbird w/att. 2A
 - 3A - Brig. Gen. Alfred D. Starbird w/att. 3A
 - 4A - K. F. Hertford, ALOO w/att. 4A
 - 5A - J. E. Reeves, ALOO w/att. 5A
 - 6A - J. E. Reeves, ALOO w/att. 6A
 - 7A - A. C. Graves, LASL w/att. 7A
 - 8A - W. E. Ogle, LASL w/att. 8A
 - 9A - G. L. Felt, LASL w/att. 9A
 - 10A - W. B. Reynolds, UCRL w/att. 10A
 - 11A - H. F. Fidler, SFO w/att. 11A
 - 12A - D. C. Sewell, UCRL w/att. 12A
 - 13A - H. E. Parsons, FCWT w/att. 13A
 - 14A - W. D. Gibbins, UCRL w/att. 14A
 - 15A & 16A - G. W. Johnson, UCRL w/att. 15A & 16A