

TASK GROUP 7.1

410582

JOINT TASK FORCE SEVEN
LOS ALAMOS SCIENTIFIC LABORATORY
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Location: Records Center & D.O.
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Folder: Castle Concept
of Operations

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TO: DISTRIBUTION LIST
FROM: Commander, Task Group 7.1
SUBJECT: GENERAL CONCEPT OF OPERATION CASTLE (REVISION #1)
REFERENCE: (a) CTG 7.1 Sec. Ltr. J-16757 of 7 April 1953.

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1. This is Revision #1 of the GENERAL CONCEPT OF OPERATION CASTLE which cancels and supersedes reference (a).

GENERAL CONCEPT OF OPERATION CASTLE (REVISION #1)

This concept is provided for planning purposes. It will be revised from time to time as significant changes occur.

A. SHOT SCHEDULE

Shot	Code	Date
#1	BRAVO	B Day 1 March
#2	UNION	U Day 11 March 13 March
#3	YANKEE	Y Day 22 March
#4	ECHO	E Day 29 March
#5	NECTAR	N Day 8 April
#6	ROMEO	R Day 15 April
#7	KOON	K Day 22 April

Site

Bikini: on reef
2950 feet bearing
250° true from SW
tip of Namu.

Bikini (Barge):
Intersection of
arcs with radii
of 6900' from
Yurochi and 3
statute miles
from Aomoen.

~~Crater~~
(barge)

Eniwetok - Eberiru

~~Crater~~
(barge)

~~Crater~~
(barge)

Bikini - Eninman

CLASSIFICATION CANCELLED
WITH DELETIONS
BY AUTHORITY OF DOE/OG
8/9/83
#29/1/85

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On the basis of 2.0 p.s.i. upper limit, the following locations for trailers are deemed advisable:

Shot 1	Eninman, Enyu, Bikini
Shot 2	Eninman, Enyu, Bikini
Shot 3	Eninman, Enyu, Bikini
Shot 4	Enyu, Bikini
Shot 5	Engabi, Parry
Shot 6	Parry

F. RADSAFE SURVEYS AND RECOVERY OPERATIONS:

1. Radiation Safety is a responsibility of the Task Unit Commanders, Program Directors, and Project Leaders. It is a requirement that responsible members of the scientific projects and task units be designated as radiological safety monitors and that they attend a 3-day training course at the Nevada Proving Ground or at Los Alamos Scientific Laboratory during the month of November (See CTG 7.1 ltr. to Project Officers and Task Unit Commanders, Subj: Radiological Safety Monitors, J-18507 dtd. 22 June 1953).

2. All atoll, land, and lagoon areas in the vicinity of the detonations will be considered contaminated after each shot until cleared for operations by the Task Force Commander. Entry to and from contaminated areas will be via Rad-Safe check points on Eninman (or Enyu as an alternate), CVE, and Parry (Elmer).

3. Rad-Safe monitors assigned to individuals or groups working in contaminated areas or with contaminated equipment during recovery operations will act in an advisory capacity to keep the recovery party leader informed of radiation intensities at all times. The recovery leader is expected to accept this advice and act accordingly. It is the responsibility of the leader and members of the recovery party to adhere to the radiation limits for personnel. Task Unit 7 will furnish film badges and protective equipment, i.e., booties, coveralls, respirators, gloves, etc.

4. The maximum permissible exposure (MPE) for personnel involved in this operation is 3.9 roentgens, gamma only, unless reduced because of previous or anticipated future exposure. All exposure to external gamma radiation will be regarded as total body irradiation.

5. ~~Appendix C~~ is a chart of Radiological Contours indicating the radiological situation of IVY MIKE shot, ground surface. A smaller percentage of contamination can be expected from the water surface shots than from the ground surface shots. A rule of thumb for estimating contamination levels from the chart is: 1/10 of the chart readings for one day after the shot, and 1/100 of the reading for the 7th day after the shot.

6. There will be no requirement for personnel to take Rad-Safe physical examinations, but medical examinations will be covered by separate correspondence.

7. The arrival and proposed use of radioactive sources in the forward area should be reported to the task group Radiological Safety Officer.

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