SECRET

NMB-U

FOR R. C. SMITH'S APPROVAL BEFORE DISPATCHING

Malph P. Johnson, Aest. Manager for Eng., Const. and Test Operations SFO A. C. Graves, Leader, J-Division, LASL Of 1954

CASTLE

REPORT OF THE MANAGER, EFO, FOR OPERATION CASTLE 900-163

The following comments on the first draft of the subject report are forwarded in compliance with the request contained in your memorendum of August 2, 1954.

DEPARTMENT OF EMERGMANATION [CIT.]

IST REVIEWER-DATE GLILLED STEERMINATION [CIT.]

PART I

1ST REVIEWER-DATE CITAL DETERMINATION CIRCLE MEENT AUTHORITY CHANGE TO COLLECTION CHANGED TO:

NAME: 12 - 711

ZND REVIEWER-DATE CITAL DESCRIPTION OF CLASSIFED CLASSIFED CASSIFED CASSIFICAT CASSIFICAT CASSIFICAT CASSIFICAT CASSIFICAT CASSIFICAT CASSIFICAT CASSIFICAT CASSIFICAT CASS

COCC MATE WITH:

SIFICATION CANCELLED

ASSIFIED INFO BRACKETED

400933

**Sec. 1.**5

Add the following:

BuOrd SAC BuShips U. of Wash. Burseu of Ordnence (Mavy) Strategic Air Command Burseu of Ships (Mavy)

University of Washington Applied

Figheries Laboratory

Distance of Biology & Mar

DEM BoML6 Division of Biology & Medicine, AEC Burnsu of Medicine & Surgery (Havy)

Sec. 1.6

S

೦೦

 $\overline{C}$ 

2

The second paragraph is somewhat misleading. Significant radioactivity at great distances was considered in connection with MIKE Shab
and the natives were evacuated from Ujelang as a precautionary measure.
A project to measure fall-out in the open sea was eliminated because of
its possible interference with the Nevy's anti-submarine radar search
program. I suggest that the following be substituted for the second
and third sentences of the second paragraph:

"The decision to fire was based on a predicted surface rader that showed no fall-out on inhabited islands that was significant from a health hazard standpoint."

Page 12

Before DOD" insert "a joint AEC-".

Line 6

Change "all" to "many".

Page 13 Line 7

Change "are" to "is".

Page 16

After "Force" add "and Task Group".

CRM FILE BC

THE DOCUMEN OF 4

3481

marrie to an unau-

SECRET

物



Ralph P. Johnson

Page 2

August 5, 1954

Page 16

In the first sentence of the third paragraph substitute "the End-Safe organization of the Scientific Task Group" for "military Rad-Safe organizations." The TG 7.1 Rad-Safe Unit in 1985 considered a military organization.

## PART II

Page 21

In the third paragraph change "phenomenal" to "tsumami".

Section 1.2

At the end of the section add:

**-**(7)

Section 3.4

Change "weight" to "weighed".

Section 3.8

PARI III

Page 29

The last two sentences are not understood. Action to handle this emergency was largely guided by decisions arrived at in frequent meetings of key TG 7.1, 7.5, and Holmes & Harver personnel on the USS ESTES where they were quartered at Bikini, and at Parry Island when Eniwetok action was involved. Other task groups and the task force were represented or consulted as appropriate. It is hard to see how coordination could have been closer or more effective.

What the "overlapping responsibility" is I do not know.

Section 1.2

Delete the introductory phrase.

Page 31

finird Line from the bottom of the page - change "was" to "wage".

Page 32

It is suggested that the following be substituted for the last sentence of the second paragraph:

"A large majority of the minor scientific stations were completed and occupied by the user in advance of construction schedules. Beneficial occupancy of major scientific stations by the users was frequently obtained by the desired completion date."

We consider that a facility is not completed until all work called for in the plans and specifications is completed as opposed to the interpretation that if the experimenter can begin moving equipment in on the day the facility was scheduled to be finished the con-

tractor has "met the date" - even though the power system may not

5005863



be operable (Watt, Smith), the doors may bounce (Felt), the elevators may not operate (Grier), the sir-conditioning may not function (Colgate), the screen rooms may be shorted (Watt), etc. att.

Page 32

The paragraph beginning at the bottom of the page, although correct, might be mislanding to someone unfamiliar with planning schedules for test programs. The deadline of 1 May 1953 occurred furing UPSHOT-KHOTHOLE, the results of which affected much of the acientific planning for CASTLE. A number of projects were added after this deadline and there were, of necessity, many changes in the operational concept after that date. This situation is bound to prevail in any test operation.

Page 33 Paragraph 2

This excess of cable proved invaluable when we expanded into when the Bikini the northern part of Enivetck Atoll system had to be patched.

13.0

1989

3 - E

Section 2.4 let Paragraph

This might be a good place to justify the surveying effort if such justification is needed. Laying out of the scientific program was handicapped by the lack of topography and hydrography. This lack of information resulted in the relocating of many minor stations during the construction phase to secure the desired lines of sight, areas of tidal wash, etc.

Page 38 Last sentence It is believed that the "19-pair" should be "16-pair".

Page 41 1st Paragraph

The installation of the Dog-500 (Turochi) power plant without shelter is not considered a desirable practice for future operations although it might seen to have been a money-saving device.

Page 44 and Paragraph

Mention here of TC 7.3's difficulties with the Enimma mole and resp might essist in obtaining funds for better facilities in the future.

Page 47 3rd Paragraph Last sentence

Only new model (water-proof) jeeps could make this crossing on some tides.

Page 48 Para (1)

The bridge crane was a common commercial electric crane - not posumatic.

Page 49 1st Paragraph

This building contained EP, VP and standard wiring and receptacles.

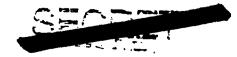
4th Paragraph

After "storage" add "of nuclear components".

5th Paragraph

Add the following: "Both sides of the slap as well as the slip proper were dredged to permit berthing of three barges at the same time. 3483

5005864





Balph P. Johnson

Page 4

August 5, 1954



Section 2.6.5

The construction of a decontamination yel with steam facilities at Parry might be mentioned in this section.

Page 53 lst Sentence Delete "first" and substitute "a high".

Comments affecting Holmes & Marver are not intended as a criticism.

of their performance particularly with regard to obtaining design criticism.

establishing completion dates, etc. They did what was humanly believed possible and then some.

Original signed by ALVIN C. GALVES

Alvin C. Graves Leader, J-Division LASL

ACG: DC: JG

Distribution:

v Johnson, Copies 142 54 7 Fee 137171

Graves Cop

Conies 465 " " C.

Cy 4A - Dille Cy 5A - Missing File

3484

