

UNCLASSIFIED

346

SUMMARY REPORT NO. 3, FOR THE PERIOD

1 - 30 SEPTEMBER 1946

257th Chemical Laboratory Team *

APO 957

c/o Postmaster, San Francisco, California

10 October 1946

Regraded **UNCLASSIFIED**
 by authority of CO, CMLC
 CML & RAD LABS., A Cml C., Md.
 (b) (6), Major Cml C
 Member Classified Documents Review Committee
 FEB 2 - 1955

* See Note on Page -i-.

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* Note:

The 42nd Chemical Laboratory Company, APO 957, was inactivated on the 24th of September 1946. The personnel and equipment were transferred to the 257th Chemical Laboratory Team, APO 957. The Project Number, Technical Report Number and Summary Report Number sequences of the 42nd Chemical Laboratory Company will be continued by the 257th Chemical Laboratory Team.

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257TH CHEMICAL LABORATORY TEAM
APO 957

10 October 1946

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1. The following reports were submitted in the form of Technical Reports to Hq. Oahu Chemical Corps, USAFMIDFAC, APO 958, during this period.

<u>Date Submitted</u>	<u>Title</u>
11 Sep 1946	T.R. No. 3 Surveillance of Crayon, Vesicant Detector, M7, Stored at the Oahu Chemical Corps Depot, APO 957.
14 Sep 1946	T.R. No. 7 Surveillance of Paint, Liquid Vesicant Detector, M5, Stored at the Oahu Chemical Corps Depot, APO 957.

2. The following letters were submitted to the CO, Oahu Chemical Corps, USAFMIDFAC, APO 958.

<u>Date Submitted</u>	<u>Subject</u>
12 Sep 1946	Proj. No. 298 A Study of Types and Quantities of Chemicals Required to Impregnate 50,000 Sets of Clothing.
30 Sep 1946	Proj. No. 308 Testing of Contaminated Gasoline for 72nd Ordnance Group.

3. On 30 September 1946, the personnel of the Laboratory were engaged on the following projects:

<u>Project No.</u>	<u>Title</u>
306	Utilization of CNB
309	Surveillance of Protective Ointment M5
311	Conservation of Quartermaster DDT Aerosol Bombs.

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257TH CHEMICAL LABORATORY TEAM
APO 957
c/o Postmaster, San Francisco, California

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PROJECT NO. 298

A STUDY OF TYPES & QUANTITIES OF CHEMICALS REQUIRED TO IMPREGNATE 50,000
SETS OF CLOTHING

A study, based on three years of processing operation, was made to determine the types and quantities of chemicals required to impregnate 50,000 sets of clothing. It was found that the following types and quantities of chemicals would be needed:

- A. 342,000 pounds or 25,700 gallons of A.T.
- B. 39,900 pounds of CC-2 Impregnite
- C. 31,300 pounds or 3,290 gallons of Chlorinated Paraffin.

With the equipment on hand it was found that the daily turn-out in number of complete suits would be:

- A. Plant No. 5 - 12 batches per 24 hr. period
- B. Plant No. 31 - 30 batches per 24 hr. period
- C. Plant No. 8 - 22 batches per 24 hr. period
- TOTAL - 64 batches per 24 hr. period

Sixty-four (64) batches of nineteen (19) suits per batch gives a maximum of 1215 complete suits per 24 hour period. This is normal production with personnel available in a processing Company as authorized in T/O & E 3-77, dtd 3 Feb 45. A maximum 2500 suits per 24 hour period could be handled if 75 additional men were provided.

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PROJECT NO. 304 T.R. No. 3

SURVEILLANCE OF CRAYON, VESICANT DETECTOR, M7, STORED AT THE OAHU
CHEMICAL CORPS DEPOT, APO 957

The Vesicant Detector Crayon, M7, tested was stored in water-proofed packages contained in closed wooden boxes and non-waterproofed packages contained in open wooden boxes.

Two samples were selected at random from the water proofed and non-water-proofed boxes and tested as prescribed in CWS Field Lab Memo 4-5-1, dtd 4 Mar 1944.

The crayons which were packed in water-proofed packages were found to be satisfactory in all respects. Those crayons which were not in waterproofed packages failed in the application test and several of these samples failed in the color examination.

PROJECT NO. 305 T.R. No. 7

SURVEILLANCE OF FAINT, LIQUID VESICANT DETECTOR, M5, STORED AT THE OAHU
CHEMICAL CORPS DEPOT, APO 957

The Vesicant Detector, Faint, M5, tested was repacked from 22 Sep 1944 to 3 Oct 1944, and stored in closed wooden boxes, 72 cans to a box.

Samples were selected at random and tested according to specifications in CWS Field Lab Memo 4-5-1, dtd 4 Mar 1944.

The results of the Laboratory tests indicate that the Liquid Vesicant Detector Faint, M5, stored at the Oahu Chemical Corps Depot, APO 957, is in satisfactory condition and serviceable.

PROJECT NO. 308

TESTING OF CONTAMINATED GASOLINE

The 72nd Ordnance Group Base Shop 5 & 6, APO 957, submitted a five gallon sample of regular gasoline to be analyzed for residue content.

