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By ED NARA Date 5-4-82

NP30/A16-3(M-p)

March 11, 1943

From: Inspector of Ordnance in Charge
To: The Chief of the Bureau of Ordnance (PrlF)
Attention Lt. R. L. Watson

Subject: Tracer chemical requirements and inventory

Reference: (a) NOP, Macon, Interdepartmental Correspondence, Carl C. Bruce to Inspection Officer of 3-1-43

Enclosure: (A) Copy of reference (a) together with its Enclosure (A), "Table, Chemical Requirements for March".

1. Enclosure (A) is being forwarded for your information. It will be noted that reference (a) is explanatory of its enclosure and that the enclosure lists the tracer chemical requirements of Macon on the basis of March production of tracers and that it lists the anticipated April 1 inventory of tracer chemicals.

2. In explanation of those items of which Macon has an unusually large inventory the following is taken from a recent report of the leading contractor, Reynolds Corporation.

(a) Aluminum Powder (Flake): This item has been furnished by the Bureau of Ordnance. Because of information received that the Navy will furnish all aluminum powder in the future all requisitions which Reynolds Corporation had outstanding for this item have been cancelled.

(b) Calcium Silicide: At the time the 7,553 pounds of this item were purchased the purchase was based on a maximum production capacity which required 1,425 pounds per month. Considerable difficulty was experienced in securing this chemical and Reynolds Corporation felt it advisable to purchase sufficient quantity to cover job orders on hand. Since the procurement of this item the production rate has been reduced and this accounts for the present inventory of approximately 15 months' supply.

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(c) Linseed Oil: Job order records required the procurement of one gallon of this item per 1,000 tracers. On this basis the present supply is equivalent to three and one-half months stock. However, the amount which is actually being used is only .4 gallons per thousand tracers. In addition to the foregoing the Reynolds Corporation encountered some difficulty in procuring this item and they were able to make one large purchase provided they accepted shipment within a period of ninety days.

(d) Sodium Nitrate: The large stock of sodium nitrate is due to two causes: (1) A reduction of one Job Order from 522,000 to 98,000 tracers, and (2) the fact that Reynolds Corporation purchased an additional 5,000 pounds through an error and oversight.

3. It will be appreciated that the last column of the enclosed chart may be materially changed at any time due to changes which are made at frequent intervals in production schedules of certain tracers.

4. It is anticipated that Macon will revise the chart of tracer chemical requirements monthly on the basis of current inventories and the most up-to-date loading schedules. In case the Bureau of Ordnance desires to be furnished monthly with a copy of this chart, it is requested that Macon be so advised.

A. B. McCRARY

H. C. Will
By Direction

INTERDEPARTMENTAL CORRESPONDENCE

Enclosure (A)

DECLASSIFIED 7450 81 Authority NNVA, Date 5/26/81 By ZC

FROM AT TO AT

Carl C. Bruce — Inspection Officer

COPIES TO

SUBJECT — DATE

Revised Tracer Chemical Requirements for March. — 3-1-43

Reference: (a) Telephone conv. BuOrd (Lt. Betts) and IOC/NOP at 0815, February 24, 1943.
(b) Tracer Chemical Table of 2-5-43.

Enclosure: (A) Table, Chemical Requirements for March.

1. Supplementing reference (b), enclosure (A) is forwarded herewith. This revision is made necessary by reference (a), which revises the schedule of tracer production for March. Therefore, the accompanying table is founded on the requirements of the Bureau of Ordnance, as given in reference (a). These requirements are quoted as follows:

March:	Mark 4	350,000
	Mark 5 and 5-1	50,000
	Mark 9	250,000

2. In explanation of the table: Column 2 is the chemical requirement for 1,000 tracers, as given in the specifications, and Column 3 lists the Marks that each chemical is used in. Column 4 is the inventory of February 26, 1943. Column 5 is the amount of tracers to be manufactured in the month of March using each chemical, assuming one-half red and one-half white production. Column 6 is the estimated total used in March of each chemical. Column 7 is the approximate inventory on April 1, providing that there are no receipts or shipments of chemicals during the month. All figures in Columns 2, 4, 6 and 7 are in pounds, with the exception of linseed oil, which is in gallons. Column 8 is the number of months' supply remaining after April 1, assuming production is maintained at the March estimate.

Carl C. Bruce

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