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 NEW YORK 16, N. Y.

PMM:lk
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DM O-26 MS

28 January 1944

Subject: Scrap Metal Available for Recasting from 27 January 1944 to 27 April 1944.

MEMORANDUM to the Files.

Through: Lt. Sturges, Major Hadlock, Lt. Col. Ruhoff, Capt. Morse.

1. The increased rate of production of billets during the next few months and the machining of rods at Baker Brothers with the resulting production of butts will allow an increase in the recasting of scrap metal from 740 pounds per day to approximately 1250 pounds per day for a six-day week during the period from 27 January 1944 to 27 April 1944.

Special Review
 Final Determination
 Unclassified

2. Basis for the above rate is as follows:

a. Scrap available from excess inventory from Metal Hydrides:

By: K. A. Walter
 Date: 1930
 P. F. Brown

Inventory at Metal Hydrides as of 27 January is 20 tons. Normal inventory of 10 tons allows 10 tons as excess.

b. Production of heels at Revere Copper & Brass Company:

Extrusion is expected to continue at 30 tons per weekend, which is equivalent to 130 tons per average month. During February, it is estimated that extrusion will be 50% on old specification billets and 50% on new billets. It is estimated only new specification billets will be extruded during March and April. Yield of heels from new billets is estimated at 6% and on old billets at 8%. On this basis, production of heels during February equals 9 tons and during March and April equals 15 1/2 tons, making a total of 24 1/2 tons of heels available during this period. It was assumed that the unshipped stock and in transit material would be the same at the start and finish of the period.

c. Production of butts at Baker Brothers:

Baker Brothers is expected to machine rods from 90 tons of billets by 1 May. Estimated 5% yield of butts from these rods amounts to production of 4 1/2 tons during the period.

d. Eggs available for recasting:

It is estimated that the eggs available for recasting would amount to 2 1/2% of the billets produced during the previous month. Estimating January production of billets at 120 tons and February and March production at 140 tons, a total of 10 tons of eggs would therefore be available for recasting during the above period.

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Scrap Metal Available for Recasting from 27 January 1944 to
27 April 1944.

g. Total available scrap:

Excess Inventory	10
Keels	24
Butts	4
Eggs	10

Total Scrap Available 49

This amounts to 3.77 tons or 7,540 pounds per week for thirteen weeks,
which is equivalent to 1,250 pounds per day for a six-day week.

P. M. MULLER,
Captain, Corps of Engineers.

Co: Captain Bergantz

Special Review
Final Determination
Unclassified
By: K. A. Walter
Date: 1980
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