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CLASSIFICATION CANCELLED
 OR CHANGED TO
 BY AUTHORITY OF DOE/DPC
 LENARD M. SAFRANSKI
 REVIEWED BY *LS* DATE 7/13/78

~~SECRET~~

Classification Canceled or Changed
 TO *Secret*
 By Authority of the *DOE*
James Henry per [unclear] 2/17/50
 Rank _____ Date _____

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
AUTHORITY AUTHORIZED BY <i>ALB. GIBERT M. 12/10/88</i> REVIEWER (DD, BK, SO-78) NAME: <i>GERALD W. BROTHERS</i> DATE: <i>10-2-05</i>	DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH 5. CLASSIFICATION CANCELED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):

This document consists of 2 pages
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~~TOP SECRET~~
By Authority of District Engineer
Per *R. W. Cook*

R. W. COOK XIII-26
Lt. Col., Corps of Engr.

MANHATTAN DISTRICT HISTORY

BOOK VI- LIQUID THERMAL DIFFUSION (S-50) PROJECT

TOP SECRET SUPPLEMENT

~~TOP SECRET~~

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1946
Special Data
Classification Required

~~TOP SECRET~~


MANHATTAN DISTRICT HISTORY

BOOK VI - LIQUID THERMAL DIFFUSION (S-50) PROJECT

TOP SECRET SUPPLEMENT

1. Milking Capsules. - The metering capsule on most circuits was of one pound capacity. In some cases it was found that a 1-1/2 pound capsule could be used with little or no reduction in milking schedule. The receiver capsule was of five pound capacity.
2. Shipping Containers. - The containers used for shipment of S-50 product to other CEW plants were of sixty pound capacity.
3. Milking Schedules. - Normally one pound of product was withdrawn from each circuit every 4-3/4 hours. The scheduled daily output of each rack, with four circuits and one pound metering capsules, was thus twenty pounds of product.
4. Plant Production Table.

<u>Month</u>	<u>Output of Product (pounds)</u>
October 1944	10.8
November	171.8
December	157.8
January 1945	840.9
February	3158.0
March	6004.4
April	9083.8
May	9299.4
June	12730.1
July	3381.8
August	3879.0
September	2786.8
Total	<u>56504.0</u>



5. Unit Cost. - By combination of the table above with the table in Section 5-10, the following unit costs are calculated:

<u>Month</u>	<u>Unit Cost (\$/lb.)</u>
January 1945	553
February	220
March	130
April	125
May	80
June	58
July	177

