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A-85-012
5-7

INTER-OFFICE MEMORANDUM

UNCLASSIFIED

DATE August 25, 1947

TO: E. R. Jette
FROM: I. B. Venable
SUBJECT: Supplemental Monthly Report of Production Data from D. P. West for Period of July 20, 1947 through August 20, 1947.
Symbol: LAB CMR-11

1. Material Control

II-1 ✓

	<u>Hanford Lots</u>	<u>Empty Containers</u>
	July 22	July 29
	Received - 48	Returned - 45
	Uncut Lots OH - 15	
	August 20	August 20
	Due - 62	OH - 64
	Uncut Lots OH - 0	Will return 100 on Aug. 28

2. Bomb Decontamination

	<u>Number Cleaned</u>	<u>Number Monitored</u>	<u>Number Cold</u>	<u>Percent Cold</u>
Plugs	153	93	80	86%
Bombs	148	109	65	61%

3. Recovery

II-1 ✓

Approximately 1800 liters of oxalate supernatant were received from Purification. This was concentrated to 4 liters containing 30 grams of plutonium and stored. About 750 grams of plutonium were recovered from miscellaneous glass equipment, concentrated, and returned to Purification in 160 gram aliquots.

4. Purification

II-1 ✓

Seventy-eight Hanford Lots were processed.

5. Dry Chemistry

II-1 ✓

Eighty-three oxalate lots were processed with an average conversion to fluoride of 94.9%.

6. Reduction

II-1 ✓

<u>Reduction Series</u>	<u>Number of Reductions</u>	<u>Charge (Gms.)</u>	<u>Metal (Gms.)</u>	<u>Average Yield</u>
A	17	8113.00	7904.60	97.43
X	13	5219.14	5097.45	97.67
	30	13332.14	13002.05	97.52

Classification changed to: UNCLASSIFIED

By authority of: LA-4200 Rev. 7
By: [Signature] TSM, ISS-16, 4/25/46
Verified by: [Signature] 6/21/46, 64, PSE-A
(Signatures) (date)

PUBLICLY RELEASABLE
LANL Classification Group
[Signature] 4/25/46

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Supplemental Monthly Report Cont'd. -2-

August 25, 1947

7. Metal Fabrication

1. Gallium Inventory (In Grams)

II-1 ✓

OH
15,794

Recd.
E & A 602
G.E. 3508

Used
0

OH Aug. 20
19,904

2. See attached table.

I. B. Venable

IBV:mlo
cc: Pittman
File

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Summary of Fabrication Operation

July 20th to August 20th, 1947

	Type	Castings	Parts Machined	Parts Pressed	Parts Cleaned	Parts Coated	Parts Given Final Inspection	Finished Cores Given Final Inspection
	M III	0	0	0	0	0	0	0
On Hand First of Period	M IV	1	0	2	0	1	0	0
	R	0	0	2	0	1	0	-
	Spec	1-a	0	0	0	0	0	-
	M III	0	0	0	2-b	2-b	2-b	2-b
Number of New Parts worked on During Period	M IV	8	7	6	5	5	8	4
	R	12	8	7	5	4	4	-
	Spec	0	1-a	1-a	0	0	0	-
	M III	0	0	0	0	0	0	0
Number of Parts on Hand at End of Period	M IV	1	1	1	0	1	0	0
	R	4	1	2	1	3	0	-
	Spec	0	0	0	0	0	0	-

Summary:

I *(1-a) Reactor rod extruded and sheared into sections for ring charges

I *(2-b) Returned Mark III hemispheres from M Division that were stripped, sanded, re-coated and inspected

- I /
- 1) Four Mark IV gadgets sent out
 - 2) One hemisphere cast, but not machined
 - 3) One hemisphere machined, but not pressed
 - 4) One hemisphere pressed, but not cleaned
 - 5) One hemisphere coated, but not inspected

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