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INTER-OFFICE MEMORANDUM NO. 1 OF 3 COPIES, SERIES A

A-85-012
5-7

DATE March 21, 1947

PUBLICLY RELEASABLE
LAB. Classification Group
WMS 6/15/86

TO: Dr. Eric R. Jette

FROM: Kenneth L. Clark

SUBJECT: Supplemental Monthly Report of Production Data from DP West for Period of February 21, 1947 through March 19, 1947

Symbol: LAB-CMR-11

1. Material Control

(Records & Transfers section has been placed directly under the supervision of the Plant Superintendent; shipment data are included herein only for reasons of security.) No material has been received from Hanford since February 14, 1947 but a shipment of 65 lots is scheduled to arrive March 22, 1947. There are six lots in the DP vault from the last shipment. At present, 66 empties are boxed for return shipment but it is expected that at least 100 empties will be ready when the car returns to Hanford.

2. Solutions Room

There are no specific data to report.

3. Bomb Decontamination

Results of the period are summarized as follows:

	Number Cleaned	Number Monitored	Number Cold	Percent Cold
Bombs	218	161	105	65
Plugs	69	42	10	24
Filter				
Caps	22	4	2	50

4. Recovery

II-1a
direct

Five hundred and seventy-five gallons of oxalate supernatant was received by Operation 2A under the old procedure. This was processed completely and sent to Operation 2B. Approximately 175 gallons of supernatant have been transferred in three lots to the new evaporator. Each lot has been reduced to a volume of approximately one quart. Active material in the condensate, according to assays from "D" building, is in the order of 0.000005 g/l.

Classification changed to UNCLASSIFIED

By authority of LA-4000

By E. W. Anderson G.L., FSS-16, 6/25/86

Verified by J. P. Pop, TSM, FSS-11, 11/15/86 (date)

5. Purification

II-1a

Sixty-four Hanford lots were processed.

6. Dry Chemistry

II-1b

Sixty lots of oxalate were processed with an average conversion of 97.4 percent.

7. Reduction

II-1c
J

Results of the period are summarized as follows:

Reduction Series	Number of Reductions	Charge, Gms.	Metal, Gms.	Av. Yield, %
A	30	14346.1	13098.12	97.57

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8. Alloying and Casting

I-1

Nine Mark IV and seven Mark III hemispheres were alloyed and cast.

9. Machining, Pressing and Final Inspection

8

Seven Mark IV hemispheres were machined and pressed. Four Mark IV gadgets were given final inspection, found to meet specifications and sent to shipping. Eight fast reactor rods were inspected after recoating and sent to shipping.

10. Cleaning and Coating

Seven Mark IV hemispheres and two rings were cleaned and coated without difficulties. Five fast reactor rods which had been returned from P Division, where welding for canning was defective, were stripped. These with two others were recoated and sent to final inspection. One coated Mark IV hemisphere which was fortuitously nicked in handling was stripped and the projection of approximately 0.02 inches on the equatorial plane was dressed away so that it could be satisfactorily recoated to meet specifications.

Kenneth L. Clark
Kenneth L. Clark

KLC:aim

cc: Pittman

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