NOTICE

**CERTAIN DATA
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DOCUMENT MAY BE
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PRODUCTS.**

DECLASSIFIED

HW--46359

DE92 009036

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FEB 24 1992

CLASSIFICATION CANCELLED
OR CHANGED TO
BY AUTHORITY OF RLO C4 PR-2
BY W. L. Snyder DATE 1-16-92

J. J. Lagging 1-16-92
P. Morrison 1-16-92

F. L. Soudan
Chemical Processing Operation
EB Accountability Operations

Distribution:
1 - PA Brown
2 - MK Harwood
3 - J Waliguro
4 - MC Smolen
5 - JW Jordan
6 - PE Parker
7 - JO Murphy - EM
8 - CJ Shortess, Jr
9 - HA Smith
10 - WE Johnson
11 - 300 Files
12 - File Copy

October 29, 1956

H-10 COATING WASTE & REDOX

COPY 1 OF 1 SERIES MA

The sample study of this measurement point has been completed by Redox Technology Operation. The results of duplicate samples on ten consecutive batches show that the average, 2.30 lbs of uranium and 0.76 grams of plutonium are discharged in the standard coating waste batch. This is 0.00% of uranium charged and 0.00% of plutonium charged. (Low MND Operation.)

These figures compare well with previous studies. The average per batch from through October of 1952 was 2.39 lb of uranium and 0.67 gram of plutonium.

It is recommended that routine sampling be discontinued and a standard of 2.30 lbs uranium and 0.76 grams plutonium be written off to waste for each standard coating waste batch.

Redox Technology has agreed to review the standard loss figures every six months on a series of duplicate samples.

When the plant goes back to High MND Operation, it will be necessary to re-evaluate these standard loss figures.

MASTER

C. J. Shortess, Jr.
EB Accountability Operations

J. H. [Signature]
Analyst, EB Accountability Operations

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E-18 CONTAINMENT WASTE DATA

Disposal	Charged	Uranium (X.)		Plutonium (Z.)	
		Depth	Average/chg.	Depth	Average/chg.
		1.59		0.512	
C	6	2.76	2.18	0.492	0.52
		4.59		0.915	
B	6	3.73	4.17	1.052	0.99
		1.69		0.618	
A	7	2.93	2.31	0.478	0.55
		1.22		0.818	
A	7	1.55	1.33	1.060	0.99
		4.43		1.197	
C	6	7.94	6.19	1.059	1.11
		8.22		0.863	
B	7	6.94	7.50	0.702	0.78
		1.44		1.286	
C	7	3.40	2.42	0.392	0.51
		0.27		1.228	
B	7	0.35	0.31	1.196	1.19
		0.30		0.197	
A	7	0.22	0.26	0.129	0.16
		1.69		0.600	
C	7	0.55	1.17	0.463	0.53

$\sum X = 27.97$
 $\sum Z = 12.77$
 $\sum X^2 = 132.36$
 $\sum Z^2 = 6.04$

Limit of $\bar{x} = \frac{\sum x}{n}$

Limit of $\bar{x} = 2.17$

Ave. Uranium /chg. = 2.80 ± 1.72

Ave. Plutonium /chg. = 0.76 ± 0.22

1/52 Data (5 months data)

Ave. Uranium /chg. = 2.39

Ave. Plutonium /chg. = 0.67

END

**DATE
FILMED**

4 / 13 / 92