NOTICE

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[redacted]

HW--46359

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OR CHANGED TO
BY AUTHORITY OF RLO CG PR-2
BY W. E. Snyder DATE 1-16-92
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October 29, 1956

COPY 1 OF 1 SERIES MA

F. A. Bowman
Chemical Processing Operation
SB Accountability Operations

H-10 COATING WASTE & REDOX

The sample study of this measurement point has been completed by Redox Technology Operation. The results of duplicate samples on ten consecutive [illegible] the average, 2.80 lbs of uranium and 0.76 grams of plutonium [illegible] standard coating waste batch. This is 0.02% of uranium charged [illegible] plutonium charged. (Low MWD Operation.)

These figures compare well with previous studies. The average [illegible] through October of 1952 was 2.39 lb of uranium and 0.67 [illegible]

It is recommended that routine sampling be discontinued [illegible] uranium and 0.76 grams plutonium be written off to waste for each [illegible] waste batch.

Redox Technology has agreed to review the standard loss figures [illegible] a series of duplicate samples.

When the plant goes back to High MWD Operation, it will be necessary to [illegible] these standard loss figures.

C. J. Shortess, Jr., [illegible]
SB Measurements
SB Accountability Operations

by: [illegible]
Analyst, SB [illegible]
SB Accountability [illegible]

MASTER

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S-10 CONTINUOUS WASTE DATA

Dissolver	Charged	Uranium (X.) Dupl.	Uranium (X.) Average/chg.	Plutonium (Y.) Dupl.	Plutonium (Y.) Average/chg.
		1.59		0.502	
C	6	2.76	2.18	0.452	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		1.157	
C	6	7.94	6.19	1.059	1.11
		8.22		0.863	
B	7	6.94	7.58	0.701	0.78
		1.44		1.228	
C	7	3.40	2.42	0.392	0.81
		0.27		1.228	
B	7	0.35	0.31	1.156	1.19
		0.30		0.197	
A	7	0.22	0.26	0.129	0.16
		1.69		0.600	
C	7	0.65	1.17	0.463	[illegible]

$\Sigma x_1 = 27.97$

$\Sigma x_2 = 2.797$

$\Sigma x_1^2 = 132.56$

$s_x^2 = 6.04$

$s_x = 2.45$

$t = [illegible]$

Limit of $\bar{x} = \frac{ts}{\sqrt{n}}$

limits of $\bar{x} = \pm 1.72$

Limit of [illegible]

Ave. Uranium /chg. = 2.80 ± 1.72 [illegible]

Ave. Plutonium/chg. = 0.76 ± 0.22

1/52 Data (8 months data)

Ave. Uranium/chg = 2.39

Ave. Plutonium/chg = 0.67

END

DATE FILMED

4 / 13 / 92