1 of 1

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HAN- 100076

W. J. Lindsey, Chief

March 27, 1968

Production Reactors Branch

Division of Production, HQ Original signed by

R. L. Plum, Chief

R. L. Plum

M. H. Arndt, Chief

ORIGINAL SIGNED BY

M. H. ARNDT

Production Reactor Operations Branch

Dual Purpose Reactor Operations Branch

Production Reactor Division, RL

Production Reactor Division, RL

PLUTONIUM PRODUCTION HISTORY

HANFORD CATEGORY C65

OR:DMS:GTO

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Below is presented information on RL plutonium production history in the form requested in your March 5 memorandum. This is post FY-1958 history, to avoid the higher security classification.

<u>% Pu-240</u>	<u>% Pu-241</u>	<u>% Pu-242</u>	<u>Pu, Kg</u>	<u>Loading Type</u>
7-8			79	N-reactor
8-9	1.3		77	N-reactor
9-10	1.6		116	N-reactor
10-11	2.0		29	N-reactor
11-12	2.3		91	N-reactor
12-13	2.7		197	N-reactor
13-14	3.0		440	N-reactor
14-15	3.3	0.36	134	N-reactor
16-17	4.6	0.60	18	N-reactor
18-19	4.7	1.0	51	N-reactor

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By Authority of PR-25/CG-PR-2

DS Lewis 1-14-84

By PL Sullivan 1-26-84

Verified By J. P. R. 1/26/94

~3				Early years nominal goal
8-9	0.8		1300	Natural U; B, C, K's
9-10	1.1		500	Enriched & Natural U; B, C, & K's 1
10-12	1.8		600	Enriched & Natural U; B, C, K 1
14-15	2.9	0.3	80	Natural U; C
24-25	5.1	1.1	56	0.22% depleted; B, KE
27-28	6.0	1.5	256	0.14% depleted; K's 1

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MASTER

DEC

W. J. Lindsey

- 2 -

March 27, 1968

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The N-reactor data include discharges (predominantly 0.947 metal) through CY-1967. The wide exposure range of N-reactor plutonium is primarily due to adjustments that were necessary when the coproduct load was delayed.

¹denotes low pressure reactor production to date.

bcc: MH Arndt/GT Orton

**DATE
FILMED**

8/22/94

END