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HANFORD ATOMIC PRODUCTS OPERATION - RICHLAND, WASHINGTON

August 12, 1964

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JETON CASH OPERATION
 INTERNAL BALANCE AND NET PRODUCTION REPORT
 JULY 1965
 FISCAL YEAR 1965

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August 12, 1964

URANIUM OXIDE OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

JULY 1964

FISCAL YEAR 1965

MASTER

W. L. Burge

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PAGE 2

Beck Inventory

FINISHED PRODUCTS OPERATION
URANIUM REDUCTION
MATERIAL BALANCE AND NET PRODUCTION REPORT

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July 1964

	DEPLETED U LBS.	U235 LBS.	ENRICHED U LBS.	U 235 LBS.
BEGINNING INVENTORY	2,646,531.00	16,955.19	128,570.00	1,691.84
RECEIPTS: REDOX			50,698.00	430.93
PUREX	613,279.00	3,906.59		
<i>Other Materials - FVA</i>			46.08	.39
TOTAL RECEIPTS	613,279.00	3,906.59	50,744.08	431.32
BEGINNING INVENTORY PLUS RECEIPTS	3,259,810.00	20,761.78	179,314.08	1,523.16
LESS REMOVALS:				
UNION CARBIDE NUCLEAR CO. - CKY				
UNION CARBIDE NUCLEAR CO. - CCC				
NAT. LEAD CO. OF OHIO - NLO <i>FVA</i>			100,786.00	855.67
USAEC NEW BRUNSWICK LAB. - NBL				
PUREX	12,659.00	80.64		
TOTAL REMOVALS:	12,659.00	80.64	100,786.00	855.67
ENDING INVENTORY	3,247,151.00	20,681.14	78,528.08	1,667.49

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Checked By *[Signature]*
Approved By *WLB*

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MATERIAL BALANCE AND NET PRODUCTION REPORT

1965

COMPOSITION OF ENDING INVENTORY

Enriched U	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
Per Process	78,528.00	66.749	
TOTAL PHYSICAL INVENTORY	78,528.08	66.749	

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PAGE 5

FINISHED PRODUCTS OPERATION
URANIUM REDUCTION
MATERIAL BALANCE AND NET PRODUCTION REPORT

100% 1964

	DEPLETED U LBS.	U 235 LBS.	ENRICHED U LBS.	U 235 LBS.
ENDING PRODUCT INVENTORY Y Storage	2,887,889.00	18,392.64	- 0 -	- 0 -
ADD: PRODUCT REMOVALS TO OAK RIDGE OPERATIONS: UNION CARBIDE NUCLEAR CO. - CKY	- 0 -	- 0 -		
UNION CARBIDE NUCLEAR CO. - CCC				
USAEC NEW BRUNSWICK LAB. - NBL				
National Lead Co. - FYA			100,786.00	855.67
TOTAL PRODUCT REMOVED	- 0 -	- 0 -		
TOTAL AVAILABLE PRODUCT	2,887,889.00	18,392.64	100,786.00	855.67
LESS: BEGINNING PRODUCT INVENTORY	2,374,904.00	15,124.92	100,786.00	855.67
PRODUCT AND CONTAINER HEELS				
LESS: CONTAINER HEELS	- 0 -	- 0 -	46.08	.39
PRODUCT E NET PRODUCTION	512,985.00	3,267.72	(46.08)	(.39)

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Checked By W. Burroughs
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MATERIAL BALANCE AND NET PRODUCTION REPORT

Reported Maximum August 31 19 64

	U-LBS	U-235-LBS	PU GRAMS
BEGINNING INVENTORY <u>8-1-64</u>	3247151.00	20681.14	
RECEIPTS:			
<i>Pure</i>	1356497.00	8640.89	
<i>Fabricated U-Alloyed Material</i>	2825.00	24.01	
TOTAL RECEIPTS	1359322.00	8664.90	
BEGINNING INVENTORY PLUS RECEIPTS	4606473.00	29346.04	
LESS: REMOVALS			
<i>Pure</i>	22010.00	140.20	
<i>Note - Specimen</i>	115.00	.72	
<i>ZPLN</i>	(7298.00)	(40.76)	
TOTAL REMOVALS	14827.00	100.47	
ENDING INVENTORY	4591646.00	29245.57	

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Checked By GO
Approved By Id P

Registered Member August 31 1964
 COMPOSITION OF FERTILIZING INCREASING PRODUCT

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
<i>In Process</i>	<i>352 546.00</i>	<i>2 245.68</i>	
<i>Finished - Storage</i>	<i>4239 106.00</i>	<i>26 999.89</i>	
TOTAL PHYSICAL INVENTORY	<i>4591 646.00</i>	<i>29 245.57</i>	

Depleted Subvention			
	U Pounds	4.235 Pounds	
Ending, Fuel Sub Storage Inventory,	4 239 106.00	26 999.89	
2nd Beginning, Fuel Sub Storage Inventory,	2 887 889.00	18 392.64	
Net Subvention	1 351 217.00	8 607.25	

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Checked By: Li
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PAGE 2 8

Samuel Francis

August 31 1904

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Physical Inventory

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Thermonuclear OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

Enriched Uranium *August 31* 19*64*

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
<i>St. Lawrence</i>	<i>178 512.00</i>	<i>1517.35</i>	
TOTAL PHYSICAL INVENTORY	<i>178 512.00</i>	<i>1517.35</i>	
COMMENTS:			
<i>Enriched Production</i>			
<i>Ending Product Inventory</i>	<i>U Pounds --</i>	<i>U-235 Pounds --</i>	
<i>added to FVA</i>	<i>203 399.90</i>	<i>1727.38</i>	
<i>Less Beginning Product Inventory</i>	<i>--</i>	<i>--</i>	
<i>Net Production</i>	<i>203 399.90</i>	<i>1727.38</i>	

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September 19 64

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BM-8600-013 (10-62) AEC-SE RICHLAND, WASH.

*(CLASSIFICATION)

Prepared By: Mr. J. J. J. J. J.

Checked By ER

Approved by _____

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PAGE 3-11

Enrichment OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

September 19 64

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<u>Enriched to 75%</u>		
<u>In Process</u>	178,047.00	1513.40	
TOTAL PHYSICAL INVENTORY	178,047.00	1513.40	

COMMENTS:

Enriched Uranium

	U - lbs.	U-235 lbs.	
<u>Ending Physical Inventory</u>	- 0 -	- 0 -	
<u>Plus</u> <u>Removals to FVA</u>	303,137.35	2,576.67	
<u>Less</u> <u>Beginning Physical Inventory</u>	- 0 -	- 0 -	
<u>Net Production</u>	303,137.35	2,576.67	

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Checked By R
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Maximum Point OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

September 19 64

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Checked By R
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Uranium Dioxide OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

September 1964

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<u>Depleted 71</u>		
In Process	2,326,653.96	1,482.00	
Product Storage	5,680,381.00	36,180.81	
TOTAL PHYSICAL INVENTORY	5,913,033.96	37,662.81	

COMMENTS:

Depleted Production

	U - lbs.	U-235 lbs.	
Ending Product Storage Inventory	5,680,381.00	36,180.81	
Less Beginning Product Storage Inventory	4,239,106.00	26,977.89	
	<u>2,287,889.00</u>	<u>19,392.64</u>	
Net Production	<u>1441,275.00</u>	<u>9180.92</u>	
	<u>2,792,492.00</u>	<u>17,788.17</u>	

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Checked By [Signature]
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PAGE 2 *124*

Operation OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

Archie 19 64

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Checked By OR
Approved _____

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Plutonium Grade OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT
Delaware 1964

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Enriched</i>		
<i>In Process</i>	<i>210,169.00</i>	<i>1786.44</i>	
<i>Product</i>	<i>102,114.46</i>	<i>857.76</i>	
TOTAL PHYSICAL INVENTORY	<i>312,283.46</i>	<i>2644.20</i>	

COMMENTS:

Enriched Plutonium Production

	<i>U (lbs.)</i>	<i>U-235 (lbs.)</i>	
<i>Ending Product Inventory</i>	<i>102,114.46</i>	<i>857.76</i>	
<i>Plus Removals to FVH</i>	<i>202,944.90</i>	<i>1720.96</i>	
<i>Less Beginning Product Inventory</i>	<i>- -</i>	<i>- -</i>	
<i>Net Production</i>	<i>305,059.36</i>	<i>2578.72</i>	

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Yugoslav 616 OPERATION

October 1964

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Examiner: *Lee Burroughs*
 Special Agent: *W. L. Benge*

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PAGE 3

Yosemite Guide OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

October 1964

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<u>Sept.</u> <u>4</u>		
<i>In Process</i> <i>Fuel Storage</i>	277,710.39	1,769.02	
<i>Product Storage</i>	7,066,587.00	45,010.94	
TOTAL PHYSICAL INVENTORY	7,344,297.39	46,779.96	

COMMENTS:

Depleted γ - fraction

	<u>7-16</u>	<u>7-238 16</u>
Ending Product Storage Inventory	7,066,587.00	45,010.94
Less Beginning Product Storage Inventory	5,680,381.00	36,180.81
Net Production	1,386,206.00	8,830.13

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Thermonuclear OPERATION
 MATERIAL BALANCE AND NET PRODUCTION REPORT

74 months 1964

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>247,106.00</i>	<i>13,74.07</i>	
<i>Product Storage</i>	<i>8,179,869.00</i>	<i>52,102.55</i>	
TOTAL PHYSICAL INVENTORY	<i>8,426,975.00</i>	<i>53,676.62</i>	

COMMENTS:

Depleted U. Production

	<i>U (en.)</i>	<i>U-235 lb</i>	
<i>Ending Product Storage Inventory</i>	<i>8,179,869.00</i>	<i>52,102.55</i> <i>75,74.07</i>	
<i>Less Beginning Product Storage Inventory</i>	<i>7,066,587.00</i>	<i>45,010.97</i>	
<i>Net Production</i>	<i>1,113,282.00</i>	<i>7,091.61</i>	

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7-10-68 OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

Diary

	U-LSS	U-239-LSS	PV GRAMS
BEGINNING INVENTORY <i>7-1-64</i>	<i>Eisenrich's</i> 313,283.76	2600.20	
RECEIPTS:			
Radiat.	339,342.00	2,884.40	
Other Operations - Nat'l Lab	144.04	1.23	
TOTAL RECEIPTS	339,486.04	2,885.63	
BEGINNING INVENTORY PLUS RECEIPTS	652,770.30	5,529.83	
LESS: REMOVALS			
To Depleted Uranium	4,999.00	4249	
Other Operations Hanford/Brownwick	(0.45)	Negl.	
Radioactive Materials - Nat'l Lab	307,181.52	2,526.01	
Waste - Stored	5.00	.04	
MUF - Air Process	(4,504.07)	48.20	
TOTAL REMOVALS	317,690.04	27,003.28	
ENDING INVENTORY	335,080.26	2,526.55	

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Yucca OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

November 19 *60*

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Enriched</i>		
<i>Enriched</i>	<i>242,622.00</i>	<i>2,062.29</i>	
<i>Product</i>	<i>101,467.00</i>	<i>850.80</i>	
TOTAL PHYSICAL INVENTORY	<i>344,089.00</i>	<i>2913.09</i>	

COMMENTS:

Enriched Yucca Production:

	<i>Enriched U</i>		
	<i>U-235</i>		
<i>Ending Product Inventory</i>	<i>101,467.00</i>	<i>850.80</i>	
<i>Plus Removals to FVA</i>	<i>307,181.82</i>	<i>2,526.01</i>	
<i>Less Beginning Product Inventory</i>	<i>102,114.46</i>	<i>857.76</i>	
<i>Net Production</i>	<i>306,534.36</i>	<i>2,519.05</i>	

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MATERIAL BALANCE AND NET PRODUCTION REPORT

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OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

Period of December 19 64

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
<i>By Product</i>	277,711.00	2,510.27	
<i>Product</i>	101,324.00	861.23	
TOTAL PHYSICAL INVENTORY	377,085.00	2,522.22	

COMMENTS:

Plutonium Production

	U-	U-235	
<i>Ending Product Inventory</i>	101,324.00	861.23	
<i>Losses to FVA</i>	406,873.82	3,471.76	
<i>Beginning Product Inv</i>	101,467.00	850.80	
<i>Losses - Contaminants returned</i>	14.33	0.11	
<i>Net Production</i>	406,069.83	3,457.10	
	~~406,069.83~~	~~3,457.10~~	
	406,716.49		

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MATERIAL BALANCE AND NET PRODUCTION REPORT

OPERATION

	U-LBS	U-235-LBS	PB GRAMS
BEGINNING INVENTORY <i>10-1-64</i>	<i>987,015.1</i>	<i>52,171.00</i>	
RECEIPTS:			
<i>Laboratory</i>	<i>951,545.1</i>	<i>6,000.00</i>	
<i>Enriched UO₂ 95%</i>	<i>1,483.00</i>	<i>1.00</i>	
TOTAL RECEIPTS	<i>953,028.1</i>	<i>6,001.00</i>	
BEGINNING INVENTORY PLUS RECEIPTS	<i>1,940,043.2</i>	<i>58,172.00</i>	
LESS: REMOVALS			
<i>Laboratory</i>	<i>1513.00</i>	<i>.00</i>	
<i>Waste - High</i>	<i>1800.1</i>	<i>.01</i>	
<i>Waste - Low</i>	<i>78.00</i>	<i>.03</i>	
<i>Durham Process</i>	<i>(72,549.00)</i>	<i>(450.00)</i>	
TOTAL REMOVALS	<i>77,439.11</i>	<i>450.04</i>	
ENDING INVENTORY	<i>1,862,604.1</i>	<i>57,721.96</i>	

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Transmutation OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

January 1965

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Sept. 27</i>		
<i>Low Level</i>	192,463.00	1,225.99	
<i>Product</i>	9,291,934.00	59,186.40	
<i>End</i> TOTAL PHYSICAL INVENTORY	9,484,397.00	60,412.39	

COMMENTS:

Depleted Transmutation Production

<i>Ending Product Storage</i>	9,291,934.00	59,186.40	
<i>Less</i> <i>Beginning Product Storage</i>	9,291,934.00	59,186.40	
<i>Net Production</i>	-0-	-0-	

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Thermionic Valve OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

January 19 65

	U-LBS	U-235-LBS	PB GRAMS
BEGINNING INVENTORY 1-1-65	379,895.00	3,222.22	
RECEIPTS:			
Refrigerator	314,755.00	2,675.42	
Coke Oven Operation - EVA	115.96	0.98	
TOTAL RECEIPTS	314,870.96	2,676.40	
BEGINNING INVENTORY PLUS RECEIPTS	694,765.96	5,898.62	
LESS: REMOVALS			
Coke Oven Operation - EVA	202,267.90	1,729.51	
Waste - Miscell.	(4.00)	(.03)	
M.F. - Air Process	(763.94)	(16.74)	
TOTAL REMOVALS	203,035.84	1,746.28	
ENDING INVENTORY	491,730.12	4,152.34	

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PAGE-5

OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

1965

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Enriched U</i>		
<i>Enriched U</i>	290,307.00	2,467.63	
<i>Product</i>	202,147.00	1,718.25	
TOTAL PHYSICAL INVENTORY	492,454.00	4,185.88	

COMMENTS:

Enriched Uranium - Production

	<i>Enriched U</i>	<i>U-235</i>	
<i>Ending Product Inventory</i>	202,147.00	1,718.25	
<i>Plus</i> <i>Removed to FVH</i>	202,267.90	1,729.51	
<i>Less</i> <i>Beginning Product Inventory</i>	101,324.00	861.25	
<i>Less</i> <i>Enrichment Losses</i>	115.96	0.98	
<i>Net Product</i>	302,974.94	2,585.53	

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Uranium Enrichment OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

MAR 15 1965

February, 1965

	U-LBS	U-235-LBS	PB GRAMS
BEGINNING INVENTORY <u>2-1-65</u>	492,456.00	4185.88	
RECEIPTS:			
<i>Ridex</i>	510,544.00	4,337.62	
<i>Older Operations - FVA</i>	7562	0.64	
TOTAL RECEIPTS	510,619.62	4340.26	
BEGINNING INVENTORY PLUS RECEIPTS	1,003,075.62	8526.14	
LESS: REMOVALS			
<i>Older Operations - FVA</i>	505,377.82	4,295.90	
<i>Waste - Discarded</i>	14.00	0.12	
<i>MHE. In Process</i>	(2062.20)	(17.53)	
TOTAL REMOVALS	503,351.62	4278.49	
ENDING INVENTORY	499,724.00	4247.65	

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Prepared By Bue Bunnell's 7/8/15

Checked By _____

Approved (B)

BM-8600-013 (10-62) REC-88 RICHMOND, VAH.

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Uranium Oxide OPERATION
 MATERIAL BALANCE AND NET PRODUCTION REPORT

MAR 15 1965

February 1965

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>644.6</i>		
<i>In Process</i>	398,636.00	3,388.40	
<i>Product</i>	101,088.00	859.25	
TOTAL PHYSICAL INVENTORY	499,724.00	4,247.65	

COMMENTS:

Enriched U. Production

<i>Ending Inventory</i>	101,088.00	859.25	
<i>Plus - Removals to FVA</i>	505,379.84	4295.90	
<i>Less - Beginning Inventory</i>	202,147.00	1718.25	
<i>Less - Container Shells</i>	75.62	0.64	
<i>Net Production</i>	404,265.22	3,436.26	

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MAR 15 1965

Titanium Oxide OPERATION
MATERIAL BALANCE, AND NET PRODUCTION REPORT

Good Auxiliary Unit
February 1965

	U-LBS	U-235-LBS	PB GRAMS
BEGINNING INVENTORY <u>2.1.65</u>	9484.39700	60,412.37	
RECEIPTS: <i>Purex</i>	343,024.00	2,185.06	
TOTAL RECEIPTS	343,024.00	2,185.06	
BEGINNING INVENTORY PLUS RECEIPTS	9827.42100	62,597.43	
LESS: REMOVALS <i>Purex</i>	19079.00	121.53	
<i>Waste discarded</i>	10.00	.06	
TOTAL REMOVALS	19089.00	121.59	
ENDING INVENTORY	9808.33200	62,475.84	

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 Checked by *[Signature]*

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Maximum Grade OPERATION

MAR 15 1965

MATERIAL BALANCE AND NET PRODUCTION REPORT

February 1965

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Depleted</i>		
<i>Low Processed</i>	237,512.00	1,512.95	
<i>Product</i>	9,570,820.00	60,962.91	
TOTAL <i>Plant</i> PHYSICAL INVENTORY	9,808,332.00	62,475.86	

COMMENTS:

Depleted U. Productions

<i>Ending Inventory</i>	9,570,820.00	60,962.91	
<i>Less -</i>			
<i>Beginning Inventory</i>	9,291,934.00	59,186.40	
<i>Net Production</i>	278,886.00	1,776.51	

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MAR 15 1965 PAGE 2 34

Uranium Oxide OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

February 65

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Prepared By W. B. Bunge

Checked By _____
Approved By Wh Bunge

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PAGE 4-
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Maximum Size OPERATION

Book Inventory rec March 19 65

	U-LBS	U-235-LBS	PO-GRAMS
BEGINNING INVENTORY <u>3-1-65</u>			<i>Maximum</i> <u>76.5100</u>
RECEIPTS:			
TOTAL RECEIPTS			<u>- 0 -</u>
BEGINNING INVENTORY PLUS RECEIPTS			<u>76.5100</u>
LESS: REMOVALS			
TOTAL REMOVALS			<u>- 0 -</u>
ENDING INVENTORY			<u>76.5100</u>

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MM-8600-013 (10-62) AUG-62 BURLAND, WASH.

(CLASSIFICATION)

Prepared By Ann Burroughs
 Checked By W L Burge
 Approved By _____

Upland Quail OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT
Back Mountain, Tex March 65

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Plutonium OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

March 1965

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>677.53</i>		
<i>In Process</i>	<i>239,931.25</i>	<i>2,0394.2</i>	
<i>Product</i>	<i>101,369.46</i>	<i>861.64</i>	
TOTAL PHYSICAL INVENTORY	<i>341,300.71</i>	<i>2901.06</i>	

COMMENTS:

Enriched & Production

<i>March Ending Inventory</i>	<i>101,369.46</i>	<i>861.64</i>	
<i>Plus: Removals to FVA</i>	<i>505,984.30</i>	<i>4,282.02</i>	
<i>Less: March Beginning Inventory</i>	<i>101,088.00</i>	<i>859.25</i>	
<i>Less: ~~Reels~~</i>	<i>46.30</i>	<i>0.39</i>	
<i>Net Production</i>	<i>506,219.46</i>	<i>4,284.02</i>	

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Physical Inventory of On Hand
Book Inventory of Product March 1965

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Uranium Oxide OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

March 19 65

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
		<i>W. H. H.</i>	
<i>In Process</i>	473,818.00	3,018.22	
<i>Product</i>	10,774,611.00	68,631.06	
TOTAL PHYSICAL INVENTORY	11,248,429.00	71,649.28	

COMMENTS:

Excluded M - Production

<i>March Ending Inventory</i>	10,774,611.00	68,631.06	
<i>Less</i>			
<i>March Beginning Inventory</i>	9,570,820.00	60,962.91	
<i>Net Production</i>	1,203,791.00	7,668.15	

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OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

Bank of America, New York

April 19 65

	U-LBS	U-235-LBS	PW GRAMS
BEGINNING INVENTORY <u>7-1-65</u>	119,484.00	10,149.88	
RECEIPTS:			
<u>Pure</u>	1,599,357.00	10,187.88	
<u>C.P.D. - Engineering</u>	12.00	.87	
TOTAL RECEIPTS	1,599,369.00	10,187.88	
BEGINNING INVENTORY PLUS RECEIPTS	12,847,798.00	81,327.26	
LESS: REMOVALS			
<u>Pure</u>	1,390,400	88.57	
<u>Other Operations - FBE</u>	0.49	Negl.	
<u>Other Operations - HVA</u>	246.63	1.57	
<u>Waste - Discarded</u>	-14.00	0.28	
<u>M.R.F. - Br. Traction</u>	(.01)	Negl.	
<u>Roundover</u>		.01	
TOTAL REMOVALS	14,195.11	90.43	
ENDING INVENTORY	12,833,602.89	81,236.83	
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OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

Bank account by name 6/1/55 19 55

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
In Process	327774.89	2087.93	
Product	12,505,928.00	77,658.91	
TOTAL PHYSICAL INVENTORY	12,833,602.89	81,746.84	

COMMENTS:

Deducted to Production

Open Ending Inventory	12,505,928.00	77,658.91	
Less: Open Beginning Inventory	10,774,611.00	68,631.06	
	1,731,317.00	11,027.85	

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April 1965

	U-LBS	U-235-LBS	PB GRAMS
BEGINNING INVENTORY 4-1-65 6.00 lb.	341,347.01	2901.15	
RECEIPTS:			
Radox	416,042.00	3543.21	
Other Operations - FVA	121.48	1.04	
TOTAL RECEIPTS	416,163.48	3543.25	
BEGINNING INVENTORY PLUS RECEIPTS	757,510.49	6,444.40	
LESS: REMOVALS			
C.P.D. Engineering	0.49	Negl.	
Other Operations - FVA	405,686.83	3,489.60	
M.R.E. In Process	(5416.75)	(921.6)	
TOTAL REMOVALS	410,270.57	3397.44	
ENDING INVENTORY	357,239.92	3047.26	

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Prepared By Joe Burroughs
 Checked by W L Burroughs
 Approved by _____

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Exercise Routine OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

April 10 6.5

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
Lux Process	154,901.00	1,321.31	
Product	202,338.92	1,725.95	
TOTAL PHYSICAL INVENTORY	357,239.92	3,047.26	

COMMENTS:

Enriched Y. Probiotic

April Ending Inventory	202,338.92	1725.31
Less: Removals to FVA	405,686.84	3489.60
Less: April Beginning Inventory	101,369.46	861.64
Less: Container Fuel	121.48	1.04
		~~1.43~~
		4351.84
Net Liquidation	506,534.82	~~4352.23~~

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Book Amount say used

April 6.5

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Maximum Value OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

Book Inventory Index " 65

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BM-8600-013 (10-62) REC-91 BURLAND, WASH.

(CLASSIFICATION)

Prepared By: Joe Burrows
Checked By: Murphy
Approved By: W. C. Gage

My dear Monday
Dear Friend

7/100 = 65

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$$\begin{array}{r} 548.87 \\ - 1379.54 \\ \hline 93572.30 \end{array}$$

Prepared By Joe B. ...
Checked By Joseph ...
Approved By ...

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MATERIAL BALANCE AND NET PRODUCTION REPORT

OPERATION

(CLASSIFICATION)

Plutonium ~~Enriched~~ OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

May 1965

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Enr. U</i>		
<i>In Process</i>	339,218.79	2893.54	
TOTAL PHYSICAL INVENTORY	339,218.79	2893.54	

COMMENTS:

Enriched U - Production

<i>May Ending Inventory</i>	- - -	- - -	
<i>Plus: Removals to FVA</i>	506,271.27	4,318.49	
<i>Less: May Beginning Inventory</i>	202,338.92	1,725.95	
<i>Less: Container Weights</i>	263.01	2.24	
<i>Net Production</i>	303,669.34	2,590.30	

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June 1965

	U-LSB	U-235-LSB	Pt GRAMS
BEGINNING INVENTORY <u>6-1-65</u>	339,218.79	1,893.54	
RECEIPTS:			
Rados	20,825.00	177.64	
Other Operations - EVA	35.05	0.31	
TOTAL RECEIPTS	20,860.05	177.95	
BEGINNING INVENTORY PLUS RECEIPTS	360,078.84	3,071.49	
LESS: REMOVALS			
To Depleted Uranium	4,222.70	36.02	
Other Operations - EVA	304,417.36	2,641.37	
MUF	(719.22)	(50.82)	
muf - Roundover		.01	
TOTAL REMOVALS	307,920.84	2,626.58	
ENDING INVENTORY	52,158.00	444.91	

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Mr. Murphy

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HW- 80400

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Maximum Yield OPERATION

MATERIAL BALANCE AND NET PRODUCTION REPORT

June 19 65

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<i>Em. U</i>		
<i>Low Process</i>	<i>52,158.00</i>	<i>444.91</i>	
TOTAL PHYSICAL INVENTORY	<i>52,158.00</i>	<i>444.91</i>	

COMMENTS:

Enriched Uranium Production (in lbs.)

<i>June Ending Inventory</i>	<i>- 0 -</i>	<i>- 0 -</i>	
<i>Plus: Removals to EVA</i>	<i>304,417.36</i>	<i>2,641.37</i>	
<i>Less: June Beginning Inventory</i>	<i>- 0 -</i>	<i>- 0 -</i>	
<i>Less: Container Heels</i>	<i>35.05</i>	<i>0.31</i>	
<i>Net Production</i>	<i>304,382.31</i>	<i>2,641.06</i>	

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June 19 65

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Ave Burroughs 7/12/65
 W L Burge

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HW-02455C

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Maximum Guide OPERATION
MATERIAL BALANCE AND NET PRODUCTION REPORT

June 19 65

COMPOSITION OF ENDING INVENTORY

	POUNDS		PLUTONIUM-GRAMS TOTAL
	U	U-235	
	<u>Depl. U</u>		
<u>Raw Process</u>	<u>156,579.00</u>	<u>1,011.50</u>	
<u>Product</u>	<u>15,897,418.00</u>	<u>102,018.83</u>	
TOTAL PHYSICAL INVENTORY	<u>16,053,997.00</u>	<u>103,030.33</u>	

COMMENTS:

Depleted U Production (in lbs.)

<u>June Ending Inventory</u>	<u>15,897,418.00</u>	<u>102,018.83</u>	
<u>Less: June Beginning Inventory</u>	<u>14,255,563.00</u>	<u>91,412.45</u>	
<u>Net Production</u>	<u>1,641,855.00</u>	<u>10,606.38</u>	

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Book Inventory _____ June 19 65

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