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ISSUING

TITLE AND AUTHOR

COMPOSITION OF ENDING INVENTORY

JANUARY 1967

R. O. Budd

☒

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By *A. E. Damber*

Date *9-87*

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Verified By J E Savelly, 2-23-94

H. R. Freitag, Chief
Nuclear Materials Management Branch
U. S. Atomic Energy Commission
Richland Operations Office
Richland, Washington

Dear Mr. Freitag:

COMPOSITION OF ENDING INVENTORY

Submitted herewith are Source and Special Nuclear Material Composition of Ending Inventory Reports for the month of January, 1967.

Yours very truly,
ORIGINAL SIGNED BY
R. O. Budd

Manager
Nuclear Materials Management Section
ENVIRONMENTAL HEALTH AND
ENGINEERING DEPARTMENT

RO Budd:fo

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PACIFIC NW LABS NUCLEAR MATERIALS ACCOUNTING REPORT NO 3

BNWL-CC-1026 1

1/67

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DEPLETED URANIUM
COMPOSITION OF ENDING INVENTORY
JANUARY 31 1967
KILOGRAM

LINE

URANIUM

U-235

0/DE-1 NO1

0/DE-1 NO2

100 NONPRODUCTION REACTORS AND R/D
105 INVENTORY BY STATUS OF MATERIAL
120 USEABLE-STORED FOR DEFINITE USE
130 IN CONVERSION/FABRICATION PROC
140 IN REACTORS/CRITICAL ASSEMBLIES
150 IN MISCELLANEOUS R/D
180 IRRADIATED MATERIAL IN STORAGE
190 TOTAL-NONPROD REACTORS AND R/D

Material Type Code

20	611.58	42.65	0.206	12
	203.21	.57	0.280	15
	254.46	.56	0.220	12
	15.88	.07	0.440	16
6	261.36	35.51	0.567	17
27	346.49	79.36	0.290	

477 GRAND TOTAL - U. S. Atomic Energy Commission

27 346.49

79.36

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ENRICHED URANIUM
COMPOSITION OF ENDING INVENTORY
JANUARY 31 1967
GRAM

LINE		URANIUM	U-235	0/0E-1 NO1	0/0E-1 NO2	
100	NONPRODUCTION REACTORS AND R/D					
105	INVENTORY BY STATUS OF MATERIAL					
120	USEABLE-STORED FOR DEFINITE USE	11 500 733.96	323 668.85	2,814		27
130	IN CONVERSION/FABRICATION PROC	1 500 351.08	92 491.99	6,164		32
140	IN REACTORS/CRITICAL ASSEMBLIES	9 411 311.20	137 518.32	1,461		23
150	IN MISCELLANEOUS R/D	7 163 135.41	102 867.59	1,436		23
170	UNIRRAD SCRAP STORED FOR RECOV	8 822 416.79	88 798.78	1,006		22
180	IRRADIATED MATERIAL IN STORAGE	172 445.00	2 146.30	1,244		23
190	TOTAL-NONPROD REACTORS AND R/D	<u>38 570 393.44</u>	<u>747 491.83</u>	1,937		
477	GRAND TOTAL -- U. S. Atomic Energy Commission	<u>38 570 393.44</u>	<u>747 491.83</u>			

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PLUTONIUM
COMPOSITION OF ENDING INVENTORY
JANUARY 31 1967
GRAM

LINE		0/0E-1 NO1		0/0E-1 NO2	
		Material Type Code	51	52	53
100	NONPRODUCTION REACTORS AND R/D				
105	INVENTORY BY STATUS OF MATERIAL				
120	USEABLE-STORED FOR DEFINITE USE	255 861.00	201 808	25 602	27 651
130	IN CONVERSION/FABRICATION PROC	235 854.00	201 129	24 640	10 085
140	IN REACTORS/CRITICAL ASSEMBLIES	83 953.00	3 960	77 840	2 153
150	IN MISCELLANEOUS R/D	2 539.00	1 986	30	+73
170	UNIRRADIATED SCRAP STORED FOR RECOV	18 560.00	17 857	703	-
180	IRRADIATED MATERIAL IN STORAGE	69 913.00	910	45 851	23 152
190	TOTAL-NONPROD REACTORS AND R/D	665 880.00	427 050	174 716	63 514

477 GRAND TOTAL - U. S. Atomic Energy Commission

665 880.00

427 050

174 716

63 514

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PACIFIC N W LABS

NUCLEAR MATERIALS ACCOUNTING REPORT NO 3

1/67

BNWL-CC-1026.1

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ENRICHED LITHIUM

COMPOSITION OF ENDING INVENTORY

JANUARY 31 1967

KILOGRAM

MATERIAL TYPE CODE 61

LINE

LITHIUM

LI-6

0/0E-1 NO1

0/0E-1 NO2

100 NONPRODUCTION REACTORS AND R/D

105 INVENTORY BY STATUS OF MATERIAL

120 USEABLE-STORED FOR DEFINITE USE

150 IN MISCELLANEOUS R/D

190 TOTAL-NONPROD REACTORS AND R/D

2.06

49.047

1.33

44.000

2.39

48.282

4.20

1.75

4.95

477 GRAND TOTAL - U. S. Atomic Energy Commission

4.25

2.39

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PACIFIC NW LABS

NUCLEAR MATERIALS ACCOUNTING REPORT NO 3

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U-233

COMPOSITION OF ENDING INVENTORY

JANUARY 31 1967

GRAM

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LINE

URANIUM

U-233

9/05-1 NO1

0/05-1 NO2

Material Type Code

		Material Type Code			
		U	U-233	U-235	U-238
100	NONPRODUCTION REACTORS AND R/D				
105	INVENTORY BY STATUS OF MATERIAL				
120	USEABLE-STORED FOR DEFINITE USE				
130	IN CONVERSION/FABRICATION PROC				
150	IN MISCELLANEOUS R/D				
170	UNIRRAD SCRAP STORED FOR RECOV				
180	IRRADIATED MATERIAL IN STORAGE				
190	TOTAL-NONPROD REACTORS AND R/D				
		71	72	71	72
		5	196	5	158
		11	3,845	10	3,677
			102		98
		5		5	
		23		23	
		44	2,143	43	3,963
					20

477 GRAND TOTAL - U. S. Atomic Energy Commission

9 207.00

9 026.04

9,143

20

43

8,963

20

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Hanford Code C-44a

NORMAL URANIUM

COMPOSITION OF ENDING INVENTORY

JANUARY 31 1967

KILOGRAM

MATERIAL TYPE CODE 81

UNIT

URANIUM

U-235

ION I-30/B

Q/0E-1 NO2

[illegible]

46	155.50	328.17	0.711
1	631.56	11.60	0.710
	795.14	5.65	0.710
	215.00	1.53	0.711
4	199.34	29.86	0.711
52	996.54	376.81	0.711

477 GRAND TOTAL - U. S. Atomic Energy Commission

52 996.54

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NEPTUNIUM-237

COMPOSITION OF ENDING INVENTORY

JANUARY 31 1967

GRAM

MATERIAL TYPE CODE 82

LINE

NEPTUNIUM-237

0/0E-1 NO1

0/0E-1 NO2

100 NONPRODUCTION REACTORS AND R/D

105 INVENTORY BY STATUS OF MATERIAL

120 USEABLE-STORED FOR DEFINITE USE

130 IN CONVERSION/FABRICATION PROC

150 IN MISCELLANEOUS R/D

170 UNIRRAD SCRAP STORED FOR RECOV

190 TOTAL-NONPROD REACTORS AND R/D

110.32

1 626.50

14.30

7.79

1 758.82

477 GRAND TOTAL - U. S. Atomic Energy Commission

1 758.82

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PACIFIC NW LABS

NUCLEAR MATERIALS ACCOUNTING REPORT NO 3

BNWL-CC-1026 1

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Hanford Code C-44a

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PLUTONIUM-238

COMPOSITION OF ENDING INVENTORY

JANUARY 31 1967

GRAM

MATERIAL TYPE CODE 83

LINE	PLUTONIUM	PU-238	0/0E-1 NO1 Per Cent	0/0E-1 NO2
100	NONPRODUCTION REACTORS AND R/D			
105	INVENTORY BY STATUS OF MATERIAL			
120	USEABLE-STORED FOR DEFINITE USE	1.97	1.59	80.719
130	IN CONVERSION/FABRICATION PROC	5 470.54	1 122.67	20.522
150	IN MISCELLANEOUS R/D	.46	.37	80.434
190	TOTAL-NONPROD REACTORS AND R/D	<u>5 472.97</u>	<u>1 124.63</u>	<u>20.546</u>

477 GRAND TOTAL - U. S. Atomic Energy Commission

5 472.97

1 124.63

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PACIFIC N W LABS NUCLEAR MATERIALS ACCOUNTING REPORT NO 3

BNWL-CC-1026 1

1/67

Hanford Code C-44a

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DEUTERIUM
COMPOSITION OF ENDING INVENTORY
JANUARY 31 1967
KILOGRAM
MATERIAL TYPE CODE 86

LINE		HEAVY WATER	DEUTERIUM	D/DE-1 NO1	D/DE-1 NO2
100	NONPRODUCTION REACTORS AND R/D				
105	INVENTORY BY STATUS OF MATERIAL				
120	USEABLE-STORED FOR DEFINITE USE	7 862.98	1 580.47	20.100	
130	IN CONVERSION/FABRICATION PROC	4.99	1.00	20.040	
140	IN REACTORS/CRITICAL ASSEMBLIES	29 400.80	5 909.56	20.099	
150	IN MISCELLANEOUS R/D	11 127.02	2 236.53	20.099	
190	TOTAL-NONPROD REACTORS AND R/D	<u>48 395.79</u>	<u>9 727.56</u>	20.100	
477	GRAND TOTAL - U. S. Atomic Energy Commission	<u>48 395.79</u>	<u>9 727.56</u>		

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Hanford Code C-44a

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TRITIUM
COMPOSITION OF ENDING INVENTORY
JANUARY 31 1967
GPAM
MATERIAL TYPE CODE 87

LINE	TRITIUM	0/0E-1 NO1	0/0E-1 NO2
100	NONPRODUCTION REACTORS AND R/D		
105	INVENTORY BY STATUS OF MATERIAL		
150	IN MISCELLANEOUS R/D	1.47	
190	TOTAL-NONPROD REACTORS AND R/D	<u>1.47</u>	
477	GRAND TOTAL - U. S. ATOMIC ENERGY COMMISSION	<u>1.47</u>	

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PACIFIC NW LABS NUCLEAR MATERIALS ACCOUNTING REPORT NO 3

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THORIUM

COMPOSITION OF ENDING INVENTORY
JANUARY 31 1967

BNWL-CC-1026.1

Hanford Code C-44a

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KILOGRAM

MATERIAL TYPE CODE 88

LINE

THORIUM

0/0E-1 NO1

0/0E-1 NO2

100 NONPRODUCTION REACTORS AND R/D
105 INVENTORY BY STATUS OF MATERIAL
120 USEABLE-STORED FOR DEFINITE USE
130 IN CONVERSION/FABRICATION PROC
150 IN MISCELLANEOUS R/D
170 UNIRRAD SCRAP STORED FOR RECOV
180 IRRADIATED MATERIAL IN STORAGE
190 TOTAL-NONPROD REACTORS AND R/D

2 376.81
362.87
503.94
1 898.73
16.78
5 159.13

477 GRAND TOTAL - U. S. Atomic Energy Commission

5 159.13

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