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DOCUMENT NO.

BNWL-CC-474 11
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PROJECT

DATE

December 14, 1966

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BATTELLE-NORTHWEST

RICHLAND, WASHINGTON

ISSUING

TITLE AND AUTHOR

COMPOSITION OF ENDING INVENTORY

NOVEMBER 1966

R. O. Budd

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December 14, 1966

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By Authority of WASnyden

PR-24 2-17-84

By J E Savely 2-22-94

Verified By Jerry Maly
3-5-94

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 November, 1966.

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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NAD25513P

PACIFIC NW LABS NUCLEAR

COMPO

LINE

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

477 GRAND TOTAL - U. S. Atomic Energy Commission

SIGNED BY ROB:VFM:fo

MATERIALS ACCOUNTING REPORT NO 3

11/66

DEPLETED URANIUM
SITION OF ENDING INVENTORY
NOVEMBER 30 1966
KILOGRAM

BNWL-CC-474 11
Hanford Code C-44a

URANIUM U-235 0/0E-1 NO1 0/0E-1 NO2

Type Code

20 676.90	42.79	0.206	12
162.39	.49	0.301	16
254.46	.56	0.220	12
8.62	.02	0.232	12
4 593.05	25.99	0.565	17
<u>25 695.42</u>	<u>69.85</u>	0.271	

25 695.42 69.85

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PACIFIC N W LABS NUCLEAR

COMP

LINE

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
170 UNIRRAD SCRAP STORED FOR RECOV
180 IRRADIATED MATERIAL IN STORAGE
190 TOTAL-NONPROD REACTORS AND R/D

477 GRAND TOTAL - U. S. Atomic Energy Commission

SIGNED BY ROB:VFM:fo

MATERIALS ACCOUNTING REPORT NO 3

11/66

ENRICHED URANIUM
SITION OF ENDING INVENTORY
NOVEMBER 30 1966
GRAM

BNWL-CC-474 11
Hanford Code C-44a

URANIUM U-235 0/0E-1 NO1 0/0E-1 NO2

Material Type Code

5 412 446.36	443 378.87	2 876	27
87 013.68	18 982.40	21 815	33
7 007 737.79	95 170.24	1 358	23
6 616 515.48	87 530.01	1 322	23
8 784 946.86	87 214.72	0 992	22
206 763.00	2 615.84	1 265	23
8 115 423.17	734 892.08	1 928	

115 423.17

734 892.08

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PACIFIC N W LABS NUCLEAR

COMPO

LINE

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

477 GRAND TOTAL - U. S. Atomic Energy Commission

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PLUTONIUM
SITION OF ENDING INVENTORY
NOVEMBER 30 1966
GRAM

BNWL-CC-474 11
Hanford Code C-44a

PLUTONIUM

0/0E-1 N01
Material Type Code

0/0E-1 N02

	51	52	53
312 296.00	250 666	42 609	19 021
199 369.00	47 963	151 406	
10 857.00	7 044	1 660	2 153
16 280.00	16 027		253
48 613.00	48 613		
36 926.00	1 439	35 479	8
624 341.00	371 752	231 154	21 435

624 341.00	371 752	231 154	21 435
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PACIFIC NW LABS NUCLEA

COMP

LINE

100 NONPRODUCTION REACTORS AND R/D
105 INVENTORY BY STATUS OF MATERIAL
120 USEABLE-STORED FOR DEFINITE USE
190 TOTAL-NONPROD REACTORS AND R/D

477 GRAND TOTAL - U. S. Atomic Energy Commission

UAPCO BUSINESS FORMS - OAKLAND, CALIF

06272
00

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MATERIALS ACCOUNTING REPORT NO 3

11/66

ENRICHED LITHIUM
SITION OF ENDING INVENTORY
NOVEMBER 30 1966

BNWL-CC-474-11
Hanford Code C-44a

KILOGRAM
MATERIAL TYPE CODE 63

LITHIUM LI-6 O/OE-1 NO1 O/OE-1 NO2

4.20 2.06 49,047

4.20 2.06 49,047

4.20 2.06

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PACIFIC NW LABS NUCLEAR

COMPO

LINE

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

477 GRAND TOTAL - U. S. Atomic Energy Commission

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MATERIALS ACCOUNTING REPORT NO 3

11/66

1-233

BNWL-CC-474 11

ITION OF ENDING INVENTORY

Hanford Code C-44a

NOVEMBER 30 1966

GRAM

MATERIAL TYPE CODE 73

IRANIUM

U-233

0/0E-1 NO1

0/0E-1 NO2

9 139.00	8 958.66	98,026
21.00	21.00	100,000
9.00	8.82	98,000
5.00	5.00	100,000
24.00	24.00	100,000
<u>9 198.00</u>	<u>9 017.48</u>	<u>98,037</u>

9 198.00

9 017.48

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PACIFIC NW LABS. NUCLEAR

COMPO

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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
170  UNIRRAD SCRAP STORED FOR RECOV
190  TOTAL-NONPROD REACTORS AND R/D
200  *****
250  *****
477  GRAND TOTAL - U. S. Atomic Energy Commission

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SIGNED BY

ROB: VFM: fo

JARCO BUSINESS FORMS - OAKLAND, CALIF.

Y. S. H. N. I. U. S. A.

MATERIALS ACCOUNTING REPORT NO 3

11/66

NORMAL URANIUM

SITION OF ENDING INVENTORY

NOVEMBER 30 1966

BNWL-CC-474 11

Hanford Code C-44a

KILOGRAM

MATERIAL TYPE CODE 81

URANIUM

U-235

0/0E-1 NO1

0/0E-1 NO2

46 311,99	329,28	0,711
1 236,49	8,79	0,710
1 364,40	9,70	0,710
742,53	5,28	0,711
1 295,45	9,21	0,710
50 950,86	362,26	0,710

50 950,86

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PACIFIC N W LABS NUCLEA.

COMP

LINE

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

477 GRAND TOTAL - U. S. Atomic Energy Commission

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MATERIALS ACCOUNTING REPORT NO 3

11/66

NEPTUNIUM-237
POSITION OF ENDING INVENTORY
NOVEMBER 30 1966

BNWL-CC-474 11
Hanford Code C-44a

GRAM
MATERIAL TYPE CODE 82

NEPTUNIUM-237

0/0E-1 NO1

0/0E-1 NO2

110.32
1 799.24
14.30
7.70
1 931.56

1 931.56

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NAD25135 PACIFIC NW LABS NUCLEAR

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LINE

100	NONPRODUCTION REACTORS AND R/D
105	INVENTORY BY STATUS OF MATERIAL
120	USABLE-STORED FOR DEFINITE USE
130	IN CONVERSION/FABRICATION PROC
150	IN MISCELLANEOUS R/D
190	TOTAL-NONPROD REACTORS AND R/D

477 GRAND TOTAL - U. S. Atomic Energy Commission

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22392

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MATERIALS ACCOUNTING REPORT NO 3

11/66

PLUTONIUM-238

BNWL-CC-474 11

SITATION OF ENDING INVENTORY

Hanford Code C-44a

NOVEMBER 30 1966

GRAM

MATERIAL TYPE CODE 83

PLUTONIUM

PU-238

0/0E-1 NO1

0/0E-1 NO2

Per Cent
Enrichment

1,97	1,59	80,710
5 415,40	1 067,50	19,712
20,94	16,59	79,226
5 438,31	1 085,68	19,963
5 438.31	1 085.68	

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PACIFIC N W LABS NUCLEAR

COMPO

LINE

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190 TOTAL-NONPROD REACTORS AND R/D

477 GRAND TOTAL - U. S. Atomic Energy Commission

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MATERIALS ACCOUNTING REPORT NO 3

11/66

DEUTERIUM
SITION OF ENDING INVENTORY
NOVEMBER 30 1966
KILOGRAM
MATERIAL TYPE CODE 86

BNWL-CC-474 11
Hanford Code C-44a

HEAVY WATER DEUTERIUM 0/0E-1 NO1 0/0E-1 NO2

45 906.48	9 227.22	20,100
4.99	1.00	20,040
2 954.23	593.81	20,099
<u>48 865.70</u>	<u>9 822.02</u>	20,100

<u>48 865.70</u>	<u>9 822.02</u>
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PACIFIC N W LABS NUCLEAR

COMPO

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100 NONPRODUCTION REACTORS AND R/D
105 INVENTORY BY STATUS OF MATERIAL
150 IN MISCELLANEOUS R/D
190 TOTAL-NONPROD REACTORS AND R/D

477 GRAND TOTAL - U. S. Atomic Energy Commission

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0.74

0.74
0.74

0/0E-1 NO2

0/0E-1 NO1

TRITIUM

MATERIAL TYPE CODE 87

GRAM

NOVEMBER 30 1966

SITION OF ENDING INVENTORY

Hanford Code C-44a

BMTL-CC-474 11

TRITIUM

11/66

MATERIALS ACCOUNTING REPORT NO. 3

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COMP

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100 NONPRODUCTION REACTORS AND R/D
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190 TOTAL-NONPROD REACTORS AND R/D

477 GRAND TOTAL - U. S. Atomic Energy Commission

UARCO BUSINESS FORMS OAKLAND CALIF

22336

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MATERIALS ACCOUNTING REPORT NO 3

11/66

THORIUM
POSITION OF ENDING INVENTORY
NOVEMBER 30 1966
KILOGRAM
MATERIAL TYPE CODE 88

BNWL-CC-474 11
Hanford Code C-44a

THORIUM

0/0E-1 NO1

0/0E-1 NO2

4 528,64
360,11
18,60
230,42
18,14
5 175,91

5 175.91

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**DATE
FILMED**

10/25/94

END