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CLASSIFICATION

DECLASSIFIED

✓ BNWL-CC-474 7
Hanford Code C-44a

August 10, 1966

DISTRIBUTION

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Classification Cancelled and Changed To

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

By Authority of W A Snyder
PR-24 2-1794
By J E Savely 2-2294
Verified By Jerri Miley
3-5-94

Dear Mr. Freitag:

COMPOSITION OF ENDING INVENTORY

Submitted herewith are Source and Special Nuclear Material Composition
of Ending Inventory Reports for the month of July, 1966.

Yours very truly,

ORIGINAL SIGNED BY

R. O. Budd

Manager
Nuclear Materials Management Section
ENVIRONMENTAL HEALTH AND
ENGINEERING DEPARTMENT

RO Budd:fo

DECLASSIFIED

GROUP 1

CLASSIFICATION

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

NORMAL URANIUM
COMPOSITION OF ENDING
JULY 31
KILOGRAM
(Material Type Code)

LINE

URANIUM

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	48 734.62
130	IN CONVERSION/FABRICATION PROC	175.54
140	IN REACTORS/CRITICAL ASSEMBLIES	294.38
150	IN MISCELLANEOUS R/D	314.34
170	UNIRRAD SCRAP STORED FOR RECOV	1 007.42
190	TOTAL-NONPROD REACTORS AND R/D	<u>50 526.30</u>
200	PRODUCTION MATERIALS	
250	MATERIAL IN PROCESS	

477 GRAND TOTAL - U. S. Atomic Energy Commission 50 526.30

SIGNED BY ROB:VFM:fo

INVENTORY

966 BNWL-CC-474 7
Hanford Code C-44a

81)

U-235 0/0E-1 N01

0/0E-1 N02

346.50	0.710
1.25	0.712
2.09	0.709
2.23	0.709
7.16	0.710
359.23	0.710

DECLASSIFIED

DEPLETED URANIUM
COMPOSITION OF ENDIN
JULY 31
KILOGRAM

LINE		URANIUM
100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	21 660.74
150	IN MISCELLANEOUS R/D	5.90
170	UNIRRAD SCRAP STORED FOR RECOV	226.80
180	IRRADIATED MATERIAL IN STORAGE	<u>5 473.02</u>
190	TOTAL-NONPROD REACTORS AND R/D	<u>27 366.46</u>

477	GRAND TOTAL - U. S. Atomic Energy Commission	<u>27 366.46</u>
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7/66

INVENTORY
966BNWL-CC-474-7
Hanford Code C-44a

U-235

0/0E-1 N01

0/0E-1 N02

Type Code

44.84	0.207	12
.01	0.169	11
.50	0.220	12
30.95	0.565	17
<u>76.30</u>	0.278	

76.30

DECLASSIFIED

ENRICHED URANIUM
COMPOSITION OF ENDIN
JULY 31
GRAM

LINE

URANIUM

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	28 294 855.55
140	IN REACTORS/CRITICAL ASSEMBLIES	7 285 788.46
150	IN MISCELLANEOUS R/D	830.32
170	UNIRRAD SCRAP STORED FOR RECOV	156 109.44
180	IRRADIATED MATERIAL IN STORAGE	176 762.00
190	TOTAL-NONPROD REACTORS AND R/D	35 914 345.77

477 GRAND TOTAL - U. S. Atomic Energy Commission 35 914 345.77

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INVENTORY
966BNWL-CC-474 7
Hanford Code C-44a

U-235

0/0E-1 N01

0/0E-1 N02

Material
Type Code

575	225.58	2.032	25
100	088.29	1.373	23
	274.44	33.052	34
5	589.81	3.580	30
2	274.52	1.286	23
683	452.64	1.903	

683 452.64

DECLASSIFIED

PLUTONIUM
COMPOSITION OF ENDING
JULY 31
GRAM

LINE	PLUTONIUM
100	NONPRODUCTION REACTORS AND R/D
105	INVENTORY BY STATUS OF MATERIAL
120	USEABLE-STORED FOR DEFINITE USE 339 578.00
130	IN CONVERSION/FABRICATION PROC 166 502.00
140	IN REACTORS/CRITICAL ASSEMBLIES 3 827.00
150	IN MISCELLANEOUS R/D 1 443.00
170	UNIRRAD SCRAP STORED FOR RECOV 21 966.00
180	IRRADIATED MATERIAL IN STORAGE 41 686.00
190	TOTAL-NONPROD REACTORS AND R/D 575 002.00

477	GRAND TOTAL - U. S. Atomic Energy Commission	575 002.00
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SIGNED BY ROB:VFM:fo

INVENTORY
966

BNWL-CC-474 7
Hanford Code C-44a

0/0E-1 N01

0/0E-1 N02

Material Type Code

<u>51</u>	<u>52</u>	<u>53</u>
300 325	24 347	14 906
86 491	80 011	
3 741	86	
1 443		
21 961	5	
1 449	40 237	
<u>415 410</u>	<u>144 686</u>	<u>14 906</u>

415 410

144 686

14 906

DECLASSIFIED

NAD25513P

PACIFIC N W LABS NUCLEAR MATERIALS ACC

THORIUM
COMPOSITION OF ENDIN
JULY 31
KILOGRAM
(Material Type Code)

LINE

THORIUM

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	4 807.15
130	IN CONVERSION/FABRICATION PROC	139.71
150	IN MISCELLANEOUS R/D	.45
170	UNIRRAD SCRAP STORED FOR RECOV	218.63
180	IRRADIATED MATERIAL IN STORAGE	19.50
190	TOTAL-NONPROD REACTORS AND R/D	<u>5 185.44</u>
477	GRAND TOTAL - U. S. Atomic Energy Commission	<u><u>5 185.44</u></u>

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INVENTORY 1966 BNWL-CC-474 7 Hanford Code C-44a

88) 0/0E-1 NO1 0/0E-1 NO2

DECLASSIFIED

U-233

COMPOSITION OF ENDIN
JULY 31

GRAM

(Material Type Co

LINE

URANIUM

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	24,940.00
180	IRRADIATED MATERIAL IN STORAGE	22.00
190	TOTAL-NONPROD REACTORS AND R/D	24,962.00
477	GRAND TOTAL - U. S. Atomic Energy Commission	24,962.00

SIGNED BY ROB:VFM:fo

7/66

INVENTORY
966

BNWL-CC-474 7
Hanford Code C-44a

ie 73)

U-233

0/0E-1 N01

0/0E-1 N02

24 492.99 98.207

22.00 100.000

24 514.99 98.208

24 514.99

DECLASSIFIED

TRITIUM
COMPOSITION OF ENDIN
JULY 31
GRAM
(Material Type Code)

LINE

TRITIUM

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

SIGNED BY ROB:VFM:fo

7/66

INVENTORY
1966BNWL-CC-474 7
Hanford Code C-44a

87)

0/0E-1 NO1

0/0E-1 NO2

1.191.191.19

DECLASSIFIED

DEUTERIUM
COMPOSITION OF ENDING
JULY 31
KILOGRAM
(Material Type Code)

LINE

HEAVY WATER

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	47 913.62
140	IN REACTORS/CRITICAL ASSEMBLIES	95.25
170	UNIRRAD SCRAP STORED FOR RECOV	1 378.91
190	TOTAL-NONPROD REACTORS AND R/D	<u>49 387.78</u>

477 GRAND TOTAL - U. S. Atomic Energy Commission

49 387.78

SIGNED BY ROB:VFM:fo

INVENTORY
966BNWL-CC-474 7
Hanford Code C-44a

6)

DEUTERIUM 0/0E-1 NO1

0/0E-1 NO2

9 630.64	20.100
19.15	20.104
277.16	20.099
<u>9 926.95</u>	20.100

9 926.95

DECLASSIFIED

ENRICHED LITHIUM
COMPOSITION OF ENDING
JULY 31 1
KILOGRAM
(Material Type Code)

LINE

LITHIUM

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	<u>.59</u>
190	TOTAL-NONPROD REACTORS AND R/D	<u>.59</u>
477	GRAND TOTAL - U. S. Atomic Energy Commission	<u>.59</u>

SIGNED BY

ROB:VFM:fo

INVENTORY

966

BNWL-CC-474 7

Hanford Code C-44a

63)

LI-6

0/0E-1 NO1

0/0E-1 NO2

.56

94.915

.56

94.915

.56

DECLASSIFIED

NEPTUNIUM-237
COMPOSITION OF ENDING
JULY 31
GRAM
(Material Type Code)

LINE

NEPTUNIUM-237

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	68.57
130	IN CONVERSION/FABRICATION PROC	134.46
150	IN MISCELLANEDUS R/D	14.30
170	UNIRRAD SCRAP STORED FOR RECOV	958.37
190	TOTAL-NONPROD REACTORS AND R/D	<u>1 175.70</u>

477 GRAND TOTAL - U. S. Atomic Energy Commission

1 175.70

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INVENTORY
966

BNWL-CC-474 7
Hanford Code C-44a

82)

0/0E-1 NO1

0/0E-1 NO2

DECLASSIFIED

PLUTONIUM-238
COMPOSITION OF ENDIN
JULY 31
GRAM
(Material Type Code

LINE

PLUTONIUM

100	NONPRODUCTION REACTORS AND R/D	
105	INVENTORY BY STATUS OF MATERIAL	
120	USEABLE-STORED FOR DEFINITE USE	1.51
150	IN MISCELLANEOUS R/D	.46
190	TOTAL-NONPROD REACTORS AND R/D	<u>1.97</u>

477 GRAND TOTAL - U. S. Atomic Energy Commission

1.97

SIGNED BY ROB:VFM:fo

INVENTORY
966BNWL-CC-474 7
Hanford Code C-44a

83)

PU-238

0/0E-1 NO1

0/0E-1 NO2

Percent
Enrichment1.22 80.794.37 80.4341.59 80.7101.59

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**DATE
FILMED**

10/25/94

END