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This document consists of 8 pages

3327 S.D.

(HTW)

M--1035

# CODE FOR SPECIAL MATERIALS

## SECTION 1

| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| Uranium-bearing ore | S-37 | Union Mines Dev. |
| Approx. 2.6% $U_3O_8$ | R-10 | African Metals |
| Approx. 6 % $U_3O_8$ | D-10 | African Metals |
| Approx. 8.5% $U_3O_8$ | XOM | African Metals |
| Approx. 10 % $U_3O_8$ | AMD | African Metals |
| Approx. 10 % $U_3O_8$ | D-5 | African Metals |
| Approx. 20 % $U_3O_8$ | B-62 | African Metals |
| Approx. 20 % $U_3O_8$ | D-4 | African Metals |
| Approx. 50-60% $U_3O_8$ | F-25 | African Metals |
| Approx. 65 % $U_3O_8$ | D-3 | African Metals |
| Approx. 65 % $U_3O_8$ | M-31 | (African Metals<br>(Eldorado |
| Approx. 65 % $U_3O_8$ | K-89 | African Metals |
| Approx. 70 % $U_3O_8$ | L-218 | African Metals |
| Min. 18 % $U_3O_8$ | H-17 | Eldorado |
| Approx. 20 % $U_3O_8$ | S-42 | Eldorado |
| Approx. 25 % $U_3O_8$ | 94-G | Eldorado |
| Over 50 % $U_3O_8$ | 72-F | Eldorado |
| Approx. 65 % $U_3O_8$ | D-42 | Vitro |
| Approx. 70 % $U_3O_8$ | J-65 | Vitro |
| $U_3O_8$ Content | D-2 | African Metals |
| | F-22 | African Metals |
| | L-217 | African Metals |
| | S-14 | African Metals |
| | T-14 | African Metals |
| | 22-H | Eldorado |
| | L-62 | Eldorado |
| | W-28 | Eldorado |
| | B-15 | Vitro |
| | D-43 | Vitro |
| | J-66 | Vitro |
| | MX-308 | Linde |
| | CQ | Metal Hydrides |
| | D | (Metals Reserve<br>(U. S. Vanadium |
| | L | Vanadium Corp. of Amer. |
| | SOQ | U. S. Vanadium |
| $U_3O_8$ low grade | C-55 | Eldorado |
| low grade | 80K | Eldorado |
| commercial grade | K-35 | Eldorado |
| high grade | C-53 | Eldorado |
| high grade | 82-K | Eldorado |
| Min. 98% $U_3O_8$ | P-56 | Boris Pregel |
| Approx. 98% $U_3O_8$ | R-92 | African Metals |
| Approx. 97% $U_3O_8$ | 6L7 | Vitro |
| | H32 | Harshaw |

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1st Review - Date: 4-10-97
Authority: ☐ ADC ☑ ADD
Name: m Theisen
2nd Review - Date 4/11/97
Authority: ADD
Name: George Droeming
Determination [Circle Number(s)]
1. Classification Retained
2. Classification Changed To:
3. Contains No DOE Classified Information
4. Coordinate With
5. Classification Cancelled
6. Classified Information Bracketted
7. Other (Specify):

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| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| $Na_2U_2O_7$ | BR-17 | Vitro |
| Approx. 80% $U_3O_8$ | 6L6 | Vitro |
| Approx. 85% $U_3O_8$ | D-46 | Vitro |
| Approx. 72% $U_3O_8$ | D-38 | African Metals |
| Approx. 81% $U_3O_8$ | S-27 | African Metals |
| Approx. 82% $U_3O_8$ | F-19 | African Metals |
| Approx. 84 % $U_3O_8$ | Q-49 | Eldorado |
| Approx. 81% $U_3O_8$ | M-21 | Boris Pregel |
| | 815 | Harshaw |
| $UO_2$ | CH-2 | Brown Univ. |
| $UO_3$ | CH-3 | Brown Univ. |
| $UO_2(NO_3)_2$ | 6L9 | Vitro |
| | L-33 | Boris Pregel |
| $UO_2(NO_3)_2 \cdot 6H_2O$ | CAK-2 | Brown Univ. |
| $UO_2SO_4$ | S-94 | Kellex |

SECRET

| SECTION 2 MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| $UF_4$ | CH-4 | Brown Univ. |
| $UO_2F_2$ | CH-5 | Brown Univ. |
| $UO_2CO_3$ | H-14 | African Metals |
| $(Na_2CO_3)_2 \cdot UO_2CO_3$ | 6L8 | Vitro |
| U Metal | K | Linde |
| | SOM | U. S. Vanadium |
| Butts | AA | (Metal Hydrides<br>(Harshaw |
| Eggs | AB | Metal Hydrides |
| Heels | AC | Metal Hydrides |
| Unfinished Billets | AD | Metal Hydrides |
| Metal Oxides | AF | Metal Hydrides |
| Scrap Metal | AG | Metal Hydrides |
| Finished billets & eggs | BA | Metal Hydrides |
| Sludge from electrolytic metal process | C-130 | duPont |
| Dross from casting of metal of electrolytic process | C-131 | duPont |
| Sludge | B | (Vanadium Corp. of Ame<br>(U. S. Vanadium |
| | MA | Metals Reserves |
| | Z | Vanadium Corp. of Amer |
| VCA Slimes | 27-A | Linde |
| Yellow Sludge | BJ | (Metals Reserves<br>(U. S. Vanadium |
| Green Sludge | GD | Metals Reserves |
| | GU | U. S. Vana dium |
| Uranium bearing concentrates | J-59 | (Eldorado<br>(Boris Pregel |
| | F-26 | African Metals |
| Residues and precipitates other than those included in form of Radium sludge and sodium uranate | D-50 | Vitro |
| Residues and precipitates other than those included in form of Radium sludge and black oxide | 28-L | Eldorado |



SECRET

| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| Residues and precipitates other than those included in form of Radium bromide, black ox ide and lead dioxide | B-96 | Eldorado |
| Tailings from Durango stockpile | S-1 | Metals Reserves |
| Tailings from Government owned-operated plant at Durango | T-1 | Metals Reserves |
| Tailings from Uravan Stockpile | S-2 | U. S. Vana dium |
| Tailings from USV Vanadium plant at Uravan | S-3 | U. S. Vanadium |
| Sand Tailings | T-2 | U. S. Vanadium |
| Sands | S-4<br>S-5 | Vanadium Corp. of Amer.<br>Vanadium Corp. of Amer. |
| Uranium-Vanadium sludge | BR-14<br>SOR | Vitro<br>U. S. Vanadium |

SECTION 3 SECRET

| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| Precious Metals, except $U_3O_8$ | D-9 | African Metals |
| Precious Metals, except uranium, radium and radio-active lead | F-34 | African Metals |
| Precious Metals, except radium and uranium | S-20 | African Metals |
| | ~~44-S~~ | Eldorado |
| Lead element includ ing radio-active lead | F-28 | African Metals |
| | T-27 | African Metals |
| | P-204 | Eldorado |
| Lead Dioxide including radio-active lead | D-101 | Eldorado |
| V Metal | P | Metals Reserve |
| | SOP | U. S. Vanadium |
| $V_2O_5$ content | BR-16 | Vitro |
| | C | Vanadium Corp. of Amer. |
| | R. | Vanadium Corp. of Amer. |
| | T | Vanadium Corp. of Amer. |
| | F | (Metals Reserve<br>(U. S. Vanadium |
| Fused $V_2O_5$ | W | (Metals Reserve<br>(U. S. Vanadium |
| $UCl_3$ | CAK-3 | Brown Univ. |
| $UCl_4$ | CAK-4 | Brown Univ. |
| $UCl_5$ | CAK-5 | Brown Univ. |
| $UCl_6$ | CAK-6 | Brown Univ. |
| $UO_2Cl_2$ | CH-6 | Brown Univ. |
| $UF_5$ | C-505 | duPont & others |
| $UO_2F_2$ | WE-202 | Harshaw |
| Undepleted, contaminated Product 616 | C-132 | duPont |
| Depleted, contaminated Product 616 | C-133 | duPont |



SECRET

SECRET

| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| Product 616 adsorbed on activated charcoal | C-136 | duPont |
| Fluorocarbons, Chloro-fluruocarbons | Parathanes | General ✓ |
| $F_2$ | G-94 | Harshaw ✓ |
| HF (anhydrous) | Product 4201 ETMR | Mallinckrodt ✓ (duPont (Penn Salt |
| redistilled | R-ETMR | (duPont (Kinetic ✓ |



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SECTION 4

| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| Flurolube Solvent | Product Solvent, FLS | duPont |
| Residue from preparation of Fluorolube oil | C-270 | duPont |
| Fluorinated polychloroterphenyls | Product PCT, PCT | duPont |
| Polyfluoropolychloroheptane | Product P-46, P-46 | duPont |
| n-$C_7F_{15}Cl$ produced by fluorination of polyfluoropolychloroheptane mixture | Product C-715-Cl, C715Cl | duPont |

SECRET

SECTION 5

| MATERIAL | CODE NAME | SOURCE |
|---|---|---|
| Liquid Nitrogen | Product T-92<br>Product L-28-B | Linde |
| Isotopes | Radicals | Kellex |
| Protoactinium element | Lr | duPont |
| Cobalt Rondelles | Chemical JL | African Metals |
| Oil Field brines | Y | Standard Oil Devel. |



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