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HANFORD CODES AND JARGON

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## HANFORD CODES AND JARGON

In accordance with HW Instructions Letter No. 135, Section XXXIII, this list of codes and jargon has been compiled by the Abstracting Unit of the Information Group to define terms which appear in Hanford Works correspondence and reports. It is recognized to be incomplete in some respects, and will be subject to periodic revisions. Users of the list are cautioned that the minimum document classification indicated for each code does not in any way imply or approve similar reduction in the classification of information relating to uses, production rates, hazards, technological details, etc.

	<u>CODE</u>	<u>DEFINITION</u>	<u>CLASSIFICATION*</u>
	<u>OFFICIAL SECURITY CODES</u>		
<u>EQUIPMENT</u> <u>AND</u> <u>INSTRUMENTS</u>	Monster	Shipping cask (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
	Phoenix	Shipping cask for MJ-3 (Prior to 2-23-50, this code carried the classification SECRET). <i>"Radio-Lanthanum" Process</i>	For Official Use Only
<u>MATERIALS</u>	Chemical 12-7	Calcium metal (Approval predates GEH-16,379 2-23-50. Put in use 7-11-49, per letter of R. C. Hageman GEH-14,943, 7-8-49).	Secret
	Chemical 14-92	Referred to in Document XX-279 (Approval predates GEH-16,379 2-23-50).	Top Secret
	Chemical 19-18	MgO (Approval predates GEH-16,379 2-23-50. Put in use 7-11-49, per letter of R. C. Hageman, GEH-14,943, 7-8-49).	Secret

\*Minimum document classification which will suffice to cover direct reference to the meaning of the code but not any related information of higher classification e.g., uses, production rates, hazards, technological details, etc.

MATERIALS

PROGRAMS AND PROCESSES

CODE	DEFINITION	CLASSIFICATION*
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## OFFICIAL SECURITY CODES (continued)

Chemical 37-77	Referred to in Document XX-279 (Approval predates GEH-16,379, 2-23-50).	Top Secret
Chemical 40-8	Referred to in Document XX-279 (Approval predates GEH-16,379, 2-23-50).	Top Secret
Chemical 54-40	Lithium-aluminum alloy, (Approval predates (GEH-16,379, 2-23-50).	Secret
P Material ✓	Finished or purified graphite (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
P-9 ✓	Heavy water (Prior to 2-23-50 this code carried the classification SECRET).	For Official Use Only
P-10 ✓	Tritium (Approval predates GEH-16,379, 2-23-50).	Secret
MJ-1 ✓	Redox Process (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
MJ-2 ✓	234-5 Facility (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
MJ-3, Rala, R-40	"Radio-lanthanum" Process (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
MJ-4	Tributyl Phosphate Process (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
P-11 ✓	Critical Mass Program (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
P-12 ✓	Exponential Pile Program (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only

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		CODE	DEFINITION	CLASSIFICATION
PROGRAMS AND PROCESSES		<u>OFFICIAL SECURITY CODES (continued)</u>		
		RW	Radiological Warfare (Prior to 2-23-50, this code carried the classification SECRET).	For Official Use Only
MATERIALS		<u>UNOFFICIAL SECURITY CODES</u>		
		Group IV Metal	4" rolled, triple-dipped partially transformed slugs.	Not Established
		Group V Metal	"Completely" transformed, rolled, triple-dipped slugs.	Not Established
		H-2	Ti pin (Beta Experiment).	Not Established
		J-1	U <sub>3</sub> O <sub>8</sub> in stainless steel pin (Beta Experiment).	Not Established
		J-Slug	An 8" standard slug containing enriched fuel alloyed with aluminum (P-10 Process).	Not Established
		Z-Slug	A 4" standard slug of aluminum-lithium alloy (P-10 Process). Also used (in 300 Area) to designate a recovered uranium slug having a certain lowered weight.	Not Established
		EFC-6	Bronze flux (metal wastes for recovery).	Not Established
		BT	Extrusion butts and very dirty rod ends (metal wastes for recovery).	Not Established
		C-6	Sodium diuranate salt from waste acid neutralization cycle (metal wastes for recovery).	Not Established
		D-2	Oxide and X-metal fines grossly contaminated with foreign material (metal wastes for recovery).	Not Established
		D-6	Pure oxide from machining and extrusion press and quench tank (metal wastes for recovery).	Not Established

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	CODE	DEFINITION	CLASSIFICATION*
	<u>UNOFFICIAL SECURITY CODES (continued)</u>		
MATERIALS	MC-6	Floor sweepings from melt plant (metal wastes for recovery).	Not Established
	MD-6	Uranium oxide - melt plant (metal wastes for recovery).	Not Established
	TX	Turnings from machining (metal wastes for recovery).	Not Established
	UM	Rod ends from machining - rejected slugs (metal wastes for recovery).	Not Established
	Oralloy	Uranium isotopic alloy (U-235, U-236, U-238).	Not Established
	T-Metal	Uranium	Not Established
	Tuballoy	Uranium	Not Established
	X-Metal	Uranium	Not Established
	Myrmetalloy	Thorium	Not Established
PROGRAMS AND PROCESSES	Z-Metal	Lithium (Also thorium in early documents).	Not Established
	Beta Experiment	To test the corrosion of U-235 metal in liquid Na upon pile exposure to neutrons.	Not Established
	H-10	Program in which some of the plutonium production in the H-pile would be sacrificed in order to load P-10 slugs into this pile in sufficient quantity to achieve the desired temporary production requirement.	Not Established
	MJ-5	Metal sweetening and conversion of UNH to UO <sub>3</sub> .	Not Established
	P-13	Navy Fuel Test Channel (In-pile experiment, H-pile).	Not Established
	R-10	Program in which the DR pile would be devoted entirely to P-10 production.	Not Established

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The following codes have been assigned for use in reporting the ~~complete analysis of uranium metal and oxide to the ABC.~~ This permits issuance of this analysis as "Official Use Only".

<u>CODE</u>	<u>DEFINITION</u>	<u>CLASSIFICATION*</u>
Roughage	Density	Secret
1	Carbon	Secret
2	Silicon	Secret
3	Hydrogen	Secret
4	Silver	Secret
5	Iron	Secret
6	Arsenic	Secret
7	Nitrogen	Secret
8	Cadmium	Secret
9	Beryllium	Secret
10	Chromium	Secret
11	Bismuth	Secret
12	Potassium	Secret
13	Cobalt	Secret
Z	Lithium	Secret
15	Copper	Secret
16	Sodium	Secret
17	Magnesium	Secret
18	Molybdenum	Secret
19	Phosphorous	Secret
20	Manganese	Secret

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CODEDEFINITIONCLASSIFICATION\*UNOFFICIAL SECURITY CODES (continued)

21	Antimony	Secret
22	Lead	Secret
23	Nickel	Secret
24	Zinc	Secret
Vitamin (Vit.)	Boron	Secret
26	Tin	Secret

CONVENIENCE CODESEQUIPMENT  
AND  
INSTRUMENTS

MTR	Material Testing Reactor	Unclassified
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Chemical 10-66	Thorium (Prior to 2-23-50, this code carried the classification SECRET).	Unclassified
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Chemical 18-12	Thorium oxide (Prior to 2-23-50, this code carried the classification SECRET).	Unclassified
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Chemical 19-29	Nickel carbonyl (Prior to 2-23-50, this code carried the classification SECRET). (Put in use 7-11-49, per letter of R. C. Hageman, GEH-14,943, 7-8-49).	Unclassified
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Chemical 54-40	LiF <sub>3</sub> (Prior to 2-23-50, this code carried the classification SECRET).	Unclassified
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MATERIALS

JARGON

Plutonium Cows	Plutonium nitrate solutions used in solvent extraction concentration of americium-241 which had grown from plutonium-241.	Unclassified
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## EQUIPMENT AND INSTRUMENTS

CODE	DEFINITION	CLASSIFICATION*
Big Sucker	Air filter type instrument used for counting alpha radiation by collecting dust in areas where there is some possibility of product being associated with the dust in the air or as an aerosol of the product compound itself.	Unclassified
Chang and Eng	Measures the intensity of fast neutrons.	Unclassified
Cutie - Pie	Measuring instrument for beta and gamma radiation.	Unclassified
Fish Polo	Measuring instrument for beta and gamma radiation.	Unclassified
Handee	Colloquial name given to the alpha hand counter.	Unclassified
H.M., or Health Monitoring, Chamber	Measuring instrument used with Beckman Micro-Microammeters or Micro-max Recorders to give a continuous record of gamma radiation level at points throughout the Process Buildings. It may be used to measure beta particles when desirable.	Unclassified
Little Sucker	Air filter type instrument used for counting alpha radiation by collecting dust in areas where there is some possibility of product being associated with the dust in the air or as an aerosol of the product compound itself.	Unclassified
M-22(Ionization Chamber, Type 22)	Measuring instrument used for checking gamma radiation in stack gases on a shift basis.	Unclassified
Paint Pail	Measuring instrument for beta and gamma radiation.	Unclassified
"Pete"	Radiation detection instrument used in determining the counting rate of P-10 contaminated samples. Primarily a qualitative rather than quantitative instrument, it is	Unclassified

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CODE	DEFINITION	CLASSIFICATION*
<u>JARGON (continued)</u>		
"Pete" (continued)	semiquantitative only in that it gives a higher counting rate for more highly contaminated samples.	Unclassified
Poppy	Scanning instrument for alpha radiation.	Unclassified
Precipitron	Measuring instrument for alpha, beta, and gamma radiation. It is used to precipitate and deposit fine particles of dust, present in the air, on a suitable receiver.	Unclassified
S-22 (Ionization Chamber, Type 22)	Measuring instrument used for checking gamma radiation in ponds and drainage canals on a bi-weekly basis.	Unclassified
Sandy (Formerly Pluto)	Portable ionization chamber used specifically to measure alpha surface contamination.	Unclassified
Vac-Sniff	Qualitative measuring instrument used to detect active gases.	Unclassified
Vacuum Cans	Measuring instrument for beta and gamma radiation.	Unclassified
Walkie-Talkie	Scanning instrument for beta and gamma radiation.	Unclassified
Water Probe Counter	Portable Geiger-Mueller counter used to measure the activity of water in the retention ponds.	Unclassified
X-22 (Ionization Chamber, Type 22)	Measuring instrument used for checking gamma radiation in suspected locations for periods of 30 minutes to 4 hours.	Unclassified
Zeus	Portable ionization chamber for measuring separately the intensity of alpha, beta, and gamma rays.	Unclassified

EQUIPMENT AND INSTRUMENTS

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CODE

DEFINITION

CLASSIFICATION\*

JARSON (continued)

EQUIPMENT  
AND  
INSTRUMENTS

Zeuto

Measuring instrument for alpha radiation. Unclassified

*C. G. Stevenson*  
C. G. Stevenson, Chief Librarian  
Information Group  
Technical Services Division

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