Overview

Waste Specification Records (WSRds) were developed to categorize waste by the treatment, storage and disposal methods used at the Hanford site. The WSRds are based on current Hanford waste storage and disposal capabilities, the land disposal restrictions treatment standards of 40 CFR 268, and anticipated future treatment and disposal methods (e.g., private treatment contracts and the Waste Isolation Pilot Plant).

Waste generators must know the appropriate WSRds for their waste streams for the following reasons:

- Waste streams must be segregated by WSRd so that Hanford can effectively treat and dispose of the waste (see HNF-EP-0063, Section 2.6.3).
- Some WSRds identify waste stream specific acceptance requirements. The generator must understand and comply with these requirements for the waste stream to be accepted at Hanford TSD units.

This document describes the rationale behind the WSRd segregation scheme, provides a flow chart (the WSRd Assignment Matrix) for selecting the correct WSRd for a given waste stream, and includes all current routine WSRds.

Basis of the WSRds

The Waste Specification Records were originally developed in 1995 and published in WHC-EP-0846, *Waste Specification System*. The WSRds were based on existing DOE and Hanford-specific waste groupings for treatment and disposal. Since 1995, the set of WSRds has been revised extensively as regulations and treatment requirements have changed. In 1998, many of the WSRds were consolidated and the first WSRd Assignment Matrix was created to provide a more disciplined approach to selection of WSRds.

The WSRds are derived from three sets of criteria, presented briefly below in order of importance.

- Final disposal location. The anticipated final disposal location is the first-tier criterion for development of WSRds. Sheet 1 of the WSRd Assignment Matrix identifies the types of waste that can be disposed directly in the Hanford Low-Level Burial Grounds (LLBG). Sheet 2 identifies the transuranic waste groups, which are anticipated to be disposed at the Waste Isolation Pilot Plant. The remaining sheets identify waste groups that will be disposed at Hanford's LLBG, but must be treated prior to disposal.
- Treatment methods. The second-tier criteria for WSRd development is the anticipated treatment requirements for the waste. Treatment methods are based on several sources: Federal Land Disposal Restrictions regulations (40 CFR Part 268); PCB disposal requirements (40 CFR 761); Washington State land disposal restrictions (WAC 173-303-140); and radiological stabilization requirements derived from the LLBG performance assessment.
- 3. <u>Interim storage segregation</u>. Among the more heavily-used classes of mixed waste WSRds (e.g., 400, 500 and 600 series), the WSRds also segregate waste into primary hazard class for storage. This segregation helps ensure compatibility during storage.

The WSRd Assignment Matrix

The WSRd Assignment Matrix is a flow diagram for determining the correct WSRd for a given type of waste. The exact meaning of each decision box is critical to determining the correct WSRd. The following definitions must be used to determine the meaning of the decision boxes in the WSRd Assignment Matrix. Where a regulation is cited, the regulation itself identifies the precise criteria used for making the decision.

- 1. Acid: an aqueous liquid that is designated with waste code D002 because it has a pH less than or equal to 2 (WAC-173-303-090(6)); and a non-aqueous liquid that has strong acid properties.
- Beryllium dust: waste that is assigned waste code P015 as specified by WAC 173-303-081.
- 3. Cadmium battery: waste that meets the definition of the "cadmium containing batteries subcategory" of 40 CFR 268.40.
- 4. *Caustic:* an aqueous liquid that is designated with waste code D002 because it has a pH greater than or equal to 12.5 (WAC-173-303-090(6)); and a non-aqueous liquid that has strong caustic (basic) properties.
- 5. *Elemental mercury:* waste that meets the definition of the "elemental mercury contaminated with radioactive materials subcategory" of 40 CFR 268.40.
- Extremely hazardous waste: extremely hazardous waste as defined by WAC 173-303-040.
- 7. *Hazardous debris:* waste that meets the definition of hazardous debris in 40 CFR 268.2(g).
- 8. High mercury waste: waste designated with waste codes P065, P092, U151 and D009 that have a treatment standard of IMERC or RMERC in 40 CFR 268.40. In general, this refers to waste with ≥ 260 mg/kg mercury, but certain LDR subcategories require IMERC or RMERC regardless of the mercury concentration.
- 9. *Ignitable solid:* non-liquid waste that is designated with waste code D001 in accordance with WAC 173-303-090(5)(a)(ii).
- 10. Lead acid battery: waste that meets the definition of the "lead acid batteries subcategory" of 40 CFR 268.40.
- 11. *Meets LDR treatment standards:* waste that meets all land disposal restrictions treatment standards of 40 CFR 268; and is not prohibited from disposal under WAC 173-303-140.
- 12. Organic/carbonaceous: waste that contains combined concentrations of greater than 10 weight percent organic/carbonaceous constituents as defined by WAC 173-303-140(3)(c).
- 13. Oxidizer: waste that is designated with waste code D001 because it is an oxidizer as defined in WAC 173-303-090(5)(a)(iv).
- 14. PCBs eligible for disposal in a RCRA Subtitle D landfill: TSCA regulated PCB waste types that are authorized for disposal under 40 CFR 761 "in a facility permitted, licensed, or registered by a State as a municipal or non-municipal nonhazardous waste landfill".

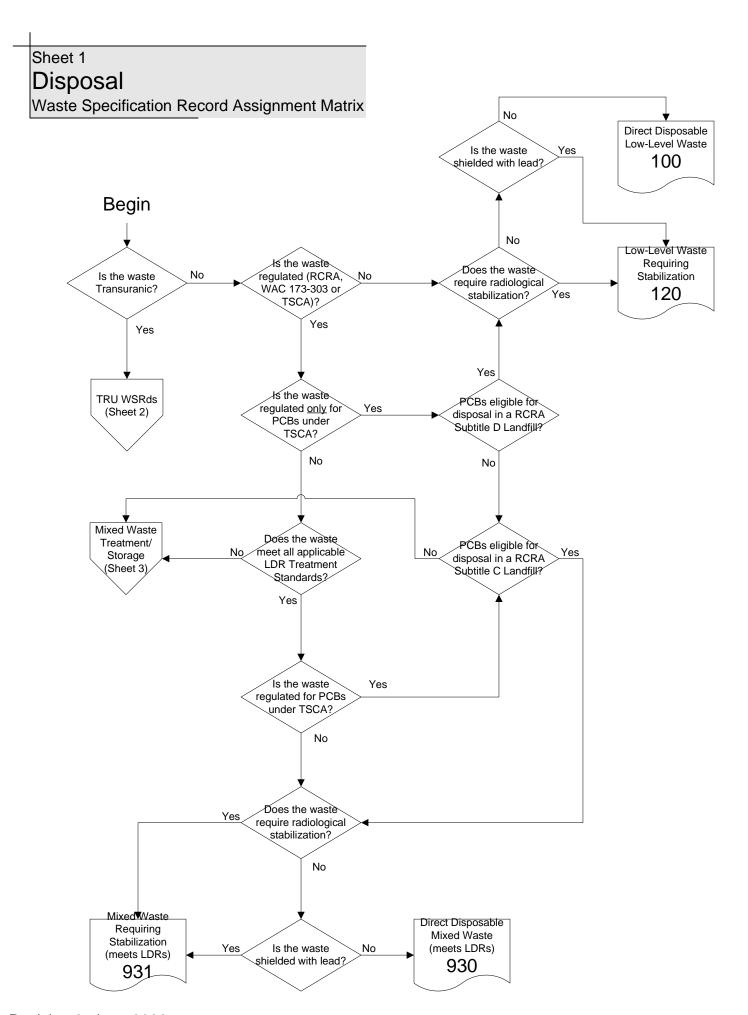
- (Note: this type of PCB/radioactive waste can be disposed of without regard to the PCB content as specified in 40 CFR 761.50(b)(7).)
- 15. PCBs eligible for disposal in a RCRA Subtitle C landfill: TSCA regulated PCB waste types that are authorized for disposal under 40 CFR 761 "in a hazardous waste landfill permitted by EPA under section 3004 of RCRA or by a State authorized under section 3006 of RCRA".
- 16. Radioactive lead solids: waste that meets the definition of the "radioactive lead solids subcategory" of 40 CFR 268.40.
- 17. Radiological stabilization: waste that must be placed in a high integrity container or processed to a stable waste form to meet the Category 3 waste and mobile radionuclide requirements of HNF-EP-0063, Section 3.4.1.
- 18. Reactive (cyanide and sulfide): waste that is designated with waste code D003 because of cyanide or sulfide content (WAC 173-303-090(7)).
- 19. Regulated for PCBs under TSCA: waste that is subject to regulation for PCBs under 40 CFR 761, regardless of PCB concentration.

20. Regulated:

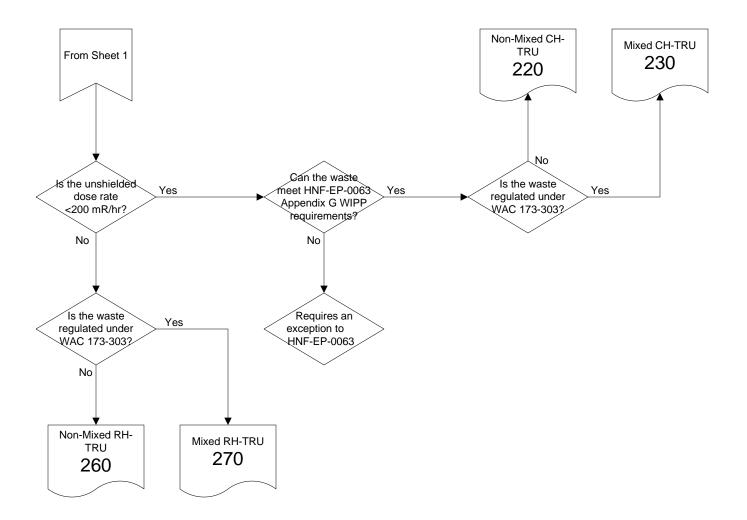
- waste that is designated as a dangerous or extremely hazardous waste (WAC 173-303-070 through 100;
- waste that has been treated to remove waste codes D001 through D043 but requires additional treatment for underlying hazardous constituents;
- and waste that contains PCBs regulated by 40 CFR 761.
- 21. Solid acid: a solid that is designated with waste code WSC2 due to a pH less than or equal to 2 when tested as specified in WAC 173-303-090(6).
- 22. Solid caustic: a solid that is designated with waste code WSC2 due to a pH greater than or equal to 12.5 when tested as specified in WAC 173-303-090(6).
- 23. Thermal treatment required: waste that must be treated by a thermal treatment process. Note that this definition is based on the Hanford site baseline waste treatment planning and includes some waste subcategories that might not be restricted to thermal treatment under the applicable regulations. The following criteria are used to determine whether thermal treatment is required:
 - RCRA listed waste designated with a P or U waste code when the listed constituent is organic;
 - RCRA listed waste with waste codes F001-F005, F020-F023, F026-F029, or F039;
 - waste that is designated with organic toxicity characteristic constituents, waste codes D012 through D043 (WAC 173-303-090);
 - waste that must be treated for organic underlying hazardous constituents (40 CFR 268.48);
 - PCB waste that is regulated under 40 CFR 761 or WAC-173-303, and that cannot be disposed without prior treatment (i.e., does not meet the definitions above for "PCBs"

- eligible for disposal in a RCRA Subtitle D landfill" or for "PCBs eligible for disposal in a RCRA Subtitle C landfill";
- waste that contains combined concentrations of greater than 10 weight percent organic/carbonaceous constituents as defined by WAC 173-303-140(3)(c).
- 24. *Toxicity characteristic (TC):* waste that is designated with waste codes D004 through D043 (WAC 173-303-090).
- 25. *Transuranic*: waste that exceeds 100 nCi/g TRU radionuclides (HNF-EP-0063 definitions).
- 26. Water reactive: waste that is designated with waste code D003 because it reacts violently with water (WAC 173-303-090(7)).

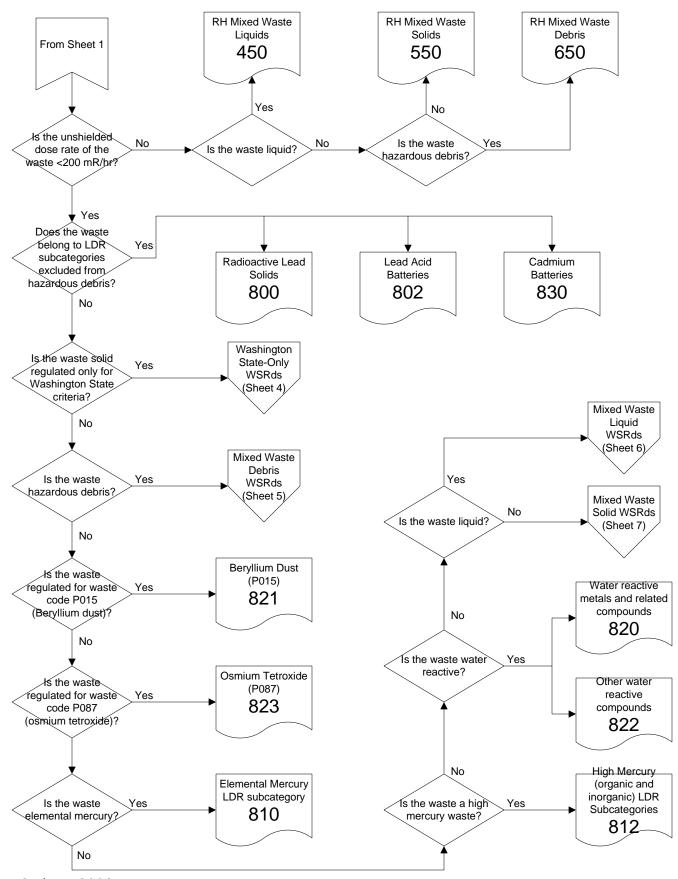
WSRd Assignment Matrix



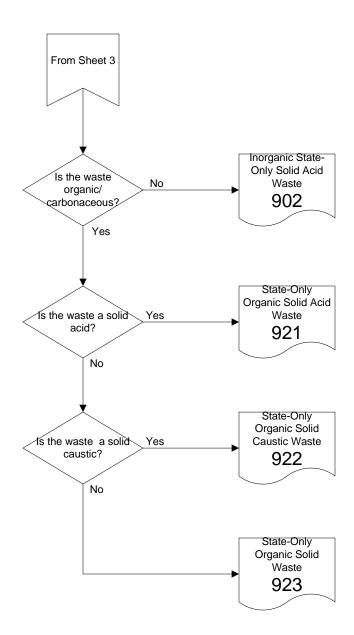
Sheet 2 **Transuranic Waste**



Treatment: Specific LDR Treatment Standards

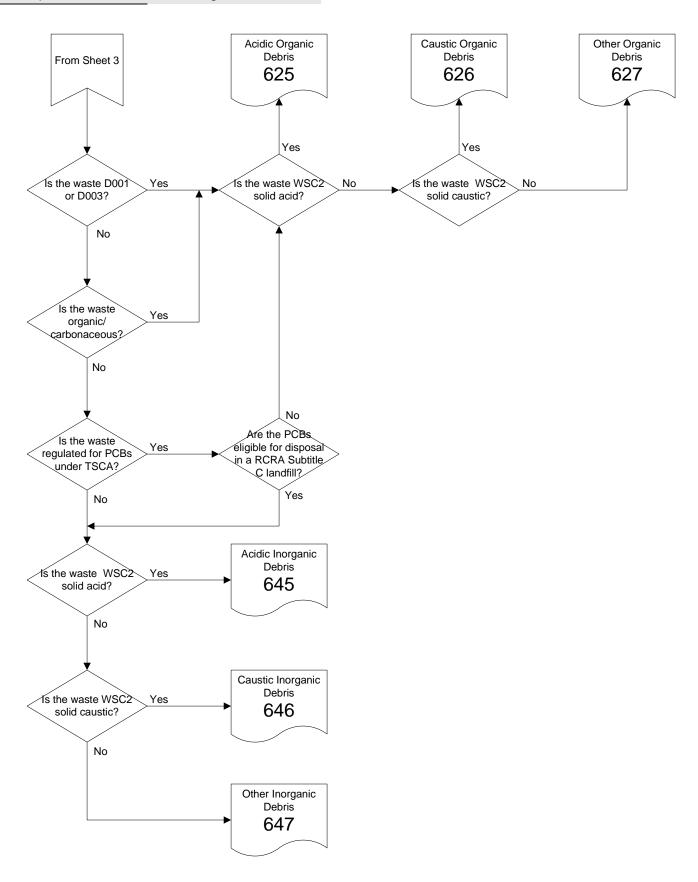


Treatment: Washington State-Only Mixed Waste



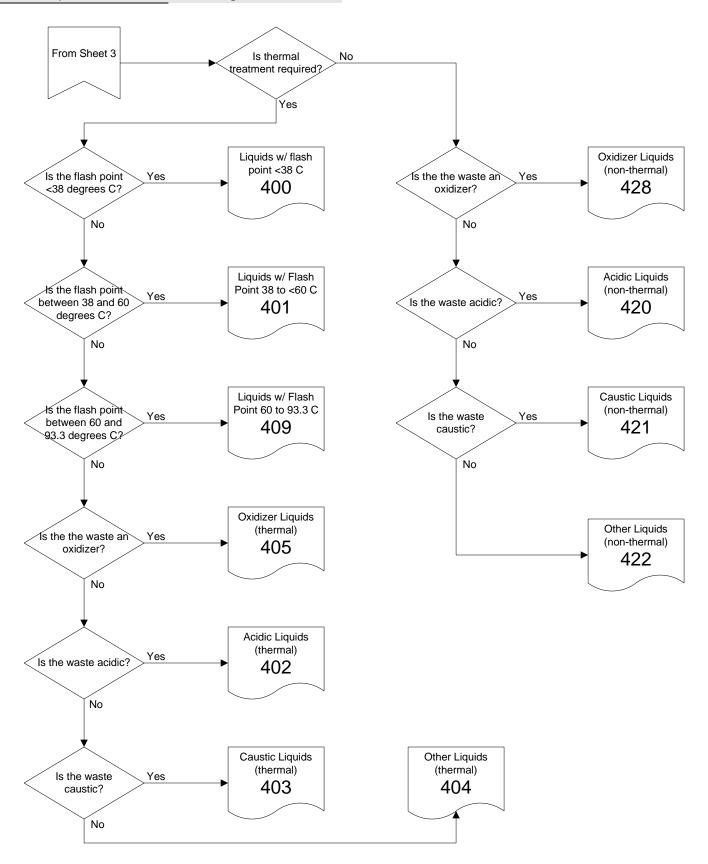
Sheet 5

Treatment: Mixed Waste Debris



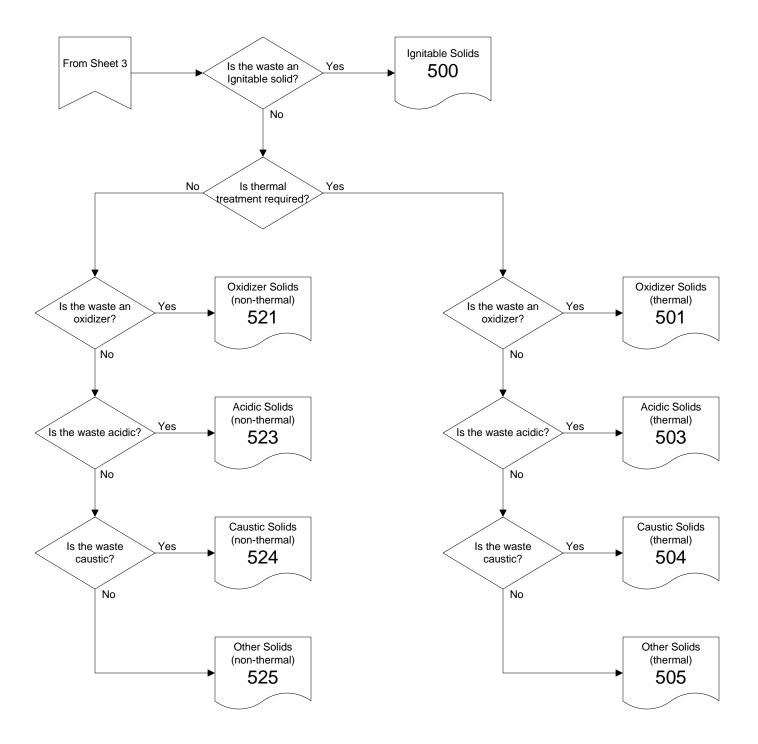
Sheet 6

Treatment: Mixed Waste Liquids



Sheet 7

Treatment: Mixed Waste Solids



Active Waste Specification Records

	100-03
A) General Description	
Direct disposable low -level waste	
B) Waste Matrix Description	
paper, plastic, rubber, debris, cloth, leather	pactible solids: solid compactible and non-compactible waste materials such as er, vinyl, equipment, metal, concrete, glass, ceramic or brick materials, roofing ubber, sludges or absorbed liquids (<1% organic), stabilized organics (>1%), animal
C) Radiological Description	
Low-level waste that does not require rad EP-0063 Chapter 3.	iological stabilization or has been radiologically stabilized in accordance with HNF-
D) Regulatory Classification	
761 in a RCRA Subtitle D landfill.	with WAC 173-303, 40 CFR 261, and not prohibited from disposal under 40 CFR
E) pH Ranges	F) Flashpoint Ranges
N/A	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 of Packaging: Must be void filled to meet HN	gallon) drum, 122x122x244 cm (4x4x8 ft) metal box, or smaller box. Required NF-EP-0063 Chapter 3 requirements.
H) Treatment Path	I) Segregation
N/A	Direct Disposal
J) Restrictions	
None	

	120 0 1
A) General Description	
Low-level waste requiring stabilization	
B) Waste Matrix Description	
paper, plastic, rubber, debris, cloth, leather	pactible solids: solid compactible and non-compactible waste materials such as er, vinyl, equipment, metal, concrete, glass, ceramic or brick materials, roofing ubber, sludges or absorbed liquids (<1% organic), stabilized organics (>1%), animal
C) Radiological Description	
	stabilization in accordance with HNF-EP-0063 Chapter 3
D) Regulatory Classification	
Waste that is not regulated in accordance	e with WAC 173-303, 40 CFR 261, and not prohibited from disposal under 40 CFR
not a solid waste and is not subject to dar	at lead shielding that is being used for its intended purpose (radioactive shielding) is ngerous waste designations.
E) pH Ranges	F) Flashpoint Ranges
N/A	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum, 122x122x244 cm (4x4x8 ft) metal box, or smaller box.
TTV TT	Two as
H) Treatment Path N/A	I) Segregation Stabilization Required
	Stabilization Required
J) Restrictions None	
None	

A) General Description	
Non-mixed contact handled (CH) Transura	anic (TRU) waste that complies with HNF-EP-0063 Appendix G.
B) Waste Matrix Description	
Miscellaneous solid waste	
C) Radiological Description	
_	dose rate does not exceed 200 millrem per hour.
D) Regulatory Classification	
	with WAC-173-303 and 40 CFR 261. PCB's in any concentration are allowed, but ther
can be no free flowing liquids in the PCB	waste.
E) pH Ranges	F) Flashpoint Ranges
2 < pH < 12.5	N/A
G) Packaging	
	te Isolation Pilot Plant (WIPP) Standard Waste Box (SWB), or 85 gallon drum
Permit and the TRU-PACT-II SARP. Max	ill). Required Venting: Vented with filters that meet the WIPP Hazardous Waste Facility cium layers of confinement: six.
H) Treatment Path	I) Segregation
WIPP	TRU Storage
J) Restrictions	
Non-defense waste is PROHIBITED.	

A) General Description	
Contact Handled (CH) Transuranic (TRU)	Mixed waste that complies with HNF-EP-0063 appendix G.
B) Waste Matrix Description	
Miscellaneous solid waste.	
C) Radiological Description	
	ielded dose rate does not exceed 200 millirem per hour.
D) Regulatory Classification	
	s listed in WIPP WAC (D004 - D011, D018, D019, D021, D022, D026 - D030, D032, P015) and all applicable state only codes; PCB's in any concentration are allowed, but
there can be no free flowing liquids in the	PCB waste.
E\ nH Panaes	E\ Elashnoint Dances
<i>E) pH Ranges</i>	F) Flashpoint Ranges N/A
G) Packaging Required container: 55 gallon drum Wast	te Isolation Pilot Plant (WIPP) Standard Waste Box (SWB), or 85 gallon drum
overpacking a 55 gallon drum (no direct fil	II). Required Venting: Vented with filters that meet the WIPP Hazardous Waste Facility
Permit and the TRU-PACT-II SARP. Max	Imum layers of confinement: six.
H) Treatment Path	I) Segregation
WIPP	Segregate according to hazards.
J) Restrictions	
Non-defense waste is PROHIBITED.	

A) General Description		
Non-mixed RH-TRU		
B) Waste Matrix Description		
Miscellaneous solid waste or labpacked li	quid waste	
C) Radiological Description		
Remote Handled TRU: waste in which the	e unshielded dose rate exceeds 200 millirem/hour.	
Note that RH TRU must be shielded to CI	HTRU levels in order to be stored in CWC.	
D) Regulatory Classification		
	with WAC 173-303 and 40 CFR 261. TSCA PCB allowed	
waste that is not regulated in accordance	with WAC 173-303 and 40 CFR 201. TSCA FCD allowed	
E) pH Ranges	F) Flashpoint Ranges	
2 <ph<12.5< td=""><td>>= 60 degrees C</td></ph<12.5<>	>= 60 degrees C	
G) Packaging		
Recommended Packaging: 55 gallon drui		
Recommended Venting: Nucfil filter or eq	uivaient	
H) Treatment Path	I) Segregation	
To Be Determined	TRU storage	
J) Restrictions		
Non-defense waste is prohibited		
·		

A) General Description		
Mixed RH TRU		
B) Waste Matrix Description		
Miscellaneous solid waste or labpacked li	quids	
C) Radiological Description		
	e unshielded dose rate exceeds 200 millirem/hour.	
Note that PH TPLI must be shielded to CI	H TRU levels in order to be stored in CWC.	
Note that KIT TKO must be shielded to Ci	TINO levels in order to be stored in GWG.	
D) Regulatory Classification		
Limited to waste codes allowed under Ch PCB allowed	apter 5 (CWC) of HNF-EP-0063 Hanford Site Solid Waste Acceptance Criteria; TSCA	
r CB allowed		
E) pH Ranges	F) Flashpoint Ranges	
0-14	any	
G) Packaging		
Recommended Packaging: 55 gallon drui		
Recommended Venting: Nucfil filter or eq	uivaieni	
H) Treatment Path	I) Segregation	
To be determined	Segregate according to hazards	
J) Restrictions		
Non defense waste is prohibited		

A) General Description	
Liquids with flashpoint less than 100 de	grees F (38 degrees C)
B) Waste Matrix Description	
Liquids/Slurries - Includes organic liquid	d/slurry waste or aqueous liquids/slurries requiring thermal treatment.
C) Radiological Description	
Low level waste(LLW), contact handled,	category 1 or 3
D) Regulatory Classification	
WPCB, listed P or U, and/or F001-F012	, F019-F028, F039 and/or D001 (ignitable liquid), D002, D003 (sulfides and cyanide
waste codes	ubcategory only), D010-D043, and/or TSCA PCBs, and all other applicable state
E) pH Ranges	F) Flashpoint Ranges
0-14	<38 degrees C
G) Packaging	
Recommended Packaging: 208 liter (5	5 gallon) drum
H) Treatment Path	I) Segregation
Thermal Treatment	Low-Flashpoint Storage
J) Restrictions	
1. NFPA class 1 flammable liquid is the	primary hazard. All subsidiary hazards require segregation for compatibility.

	401-05
A) General Description	
Liquids with flashpoint between 100 to les	ss than 140 degrees F (38 to <60 degrees C)
B) Waste Matrix Description	
Liquids/Slurries - Includes organic liquid/s	slurry waste or aqueous liquids/slurries requiring thermal treatment
C) Radiological Description	
Low level waste (LLW), contact handled,	category 1 or 3
D) Regulatory Classification	
WPCB, Listed P or U, and/or F001-F012, only), D004-D008, D009 (low-mercury sul waste codes.	F019-F028, F039 and/or D001 (ignitable liquid), D002, D003 (sulfides and cyanide bcategory only), D010-D043, and/or TSCA PCBs, and all other applicable state
E) pH Ranges	F) Flashpoint Ranges
0-14	38 to <60 degrees C
G) Packaging	
Recommended Packaging: 208 liter (55 g	allon) drum
H) Treatment Path	I) Segregation
Thermal Treatment	Combustible Storage
J) Restrictions	
1. NFPA class 2 combustible liquid is the	primary hazard. All subsidiary hazards require segregation for compatibility.

A) General Description		
Acidic liquids (thermal treatment)		
B) Waste Matrix Description		
Liquids/Slurries - Includes organic liquid/	slurry waste or aqueous liquids/slurries requiring thermal treatment.	
C) Radiological Description		
Low level waste(LLW), contact handled, of	category 1 or 3	
D) Regulatory Classification		
WPCB, listed P or U, and F001-F012, F0	19-F028, F039 and D002, D003 (sulfides and cyanide only), D004-D008, D009 (low-	
mercury subcategory only), D010-D043, a	and/or TSCA PCBs, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
<=2	N/A	
G) Packaging		
Recommended Packaging: 208 liter (55	gallon) drum	
	T) G	
H) Treatment Path	I) Segregation	
Thermal Treatment	Acid Storage	
J) Restrictions		
1. Acidic liquid is the primary hazard. All subsidiary hazards require segregation for compatibility.		

A) General Description	
Caustic liquids (thermal treatment)	
B) Waste Matrix Description	
Liquids/Slurries - Includes organic liquid/	slurry waste or aqueous liquids/slurries requiring thermal treatment.
C) Radiological Description	
Low level waste(LLW), contact handled, or	category 1 or 3
D) Regulatory Classification	
,	019-F028, F039 and D002, D003 (sulfides and cyanide only), D004-D008, D009 (low-
mercury subcategory only), D010-D043, a	and/or TSCA PCBs, and all other applicable state waste codes
E) pH Ranges	F) Flashpoint Ranges
>= 12.5	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
,	,
H) Treatment Path	I) Segregation
Thermal Treatment	Caustic Storage
J) Restrictions	
Caustic liquid is the primary hazard. All subsidiary hazards require segregation for compatibility.	

A) Conoral Description		
A) General Description Other liquids (thermal treatment)		
Other liquids (thermal treatment)		
B) Waste Matrix Description		
	/slurry waste or aqueous liquids/slurries requiring thermal treatment.	
Elquido, Glamos molados organio ilquid	starty waste of aqueeus liquide startles requiring thermal treatment.	
C) Radiological Description		
Low level waste(LLW), contact handled, or	category 1 or 3	
D) Regulatory Classification		
	19-F028, F039 and, D003 (sulfides and cyanide only), D004-D008, D009 (low-	
mercury subcategory only), D010-D043, a	and/or TSCA PCBs, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
N/A	N/A	
G) Packaging		
Recommended Packaging: 208 liter (55	dallon) drum	
Recommended Fackaging. 200 iller (55	ganon) drum	
H) Treatment Path	I) Segregation	
Thermal Treatment	Other MW Storage	
J) Restrictions		
None		

A) General Description		
Oxidizer liquid (thermal treatment)		
B) Waste Matrix Description		
Liquids/Slurries - Includes organic liquid/	slurry waste or aqueous liquids/slurries requiring thermal treatment.	
C) P II I I I P		
C) Radiological Description		
Low level waste(LLW), contact handled, of	category 1 or 3	
D) Regulatory Classification		
WPCB, listed P or U, and/or F001-F012, only) D004-D008 D009 (low-mercury su	F019-F028, F039 and/or D001 (ignitable oxidizer), D002, D003 (sulfides and cyanide bcategory only), D010-D043, and/or TSCA PCBs, and all other applicable state	
waste codes	boategory only), boro boro, analor 100/11 obs, and all other applicable state	
E) pH Ranges	F) Flashpoint Ranges	
0-14	N/A	
G) Packaging		
Recommended Packaging: 208 liter (55	callon) drum	
Recommended Fackaging. 200 iller (55	gallon) drum	
H) Treatment Path	I) Segregation	
Thermal Treatment	Oxidizer Storage	
J) Restrictions		
Oxidizer liquid is the primary hazard. All subsidiary hazards require segregation for compatibility.		
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	403-03
A) General Description	
Liquids with flashpoint between 140-200 of	degrees F (60-93.3 degrees C)
D. W 17 . 1 D . 1 . 1	
B) Waste Matrix Description	
Elquids/Sidiffes - Includes organic liquid/s	slurry waste or aqueous liquids/slurries requiring thermal treatment
C) Radiological Description	
Low level waste (LLW), contact handled,	category 1 or 3
D) Regulatory Classification	
WPCB, Listed P or U, and/or F001-F012, D009 (low-mercury subcategory only), D0	F019-F028, F039 and/or D002, D003 (sulfides and cyanide only), D004-D008, 100-D043, and/or TSCA PCBs, and all other applicable state waste codes.
E) pH Ranges	F) Flashpoint Ranges
0-14	60 - 93.3 C
G) Packaging	
Recommended Packaging: 208 liter (55 g	allon) drum
H) Treatment Path	I) Segregation
Thermal Treatment	Requires storage in 2404-W facilities
J) Restrictions	
•	e primary hazard. All subsidiary hazards require segregation for compatibility.

A) General Description	
Acidic liquids (Non-thermal treatment)	
B) Waste Matrix Description	
Liquid/Slurries	
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	organic P or U, and, D002, D003 (sulfides and cyanide only), D004-D008, D009 (low-
mercury subcategory only), D010-D011	organic P of O, and, D002, D003 (suilides and cyanide only), D004-D008, D009 (low-
E) pH Ranges	F) Flashpoint Ranges
<=2	N/A
	14/1
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Stabilization	Acid Storage
	Acid Storage
J) Restrictions	
Acidic Liquid is the primary hazard. All	subsidiary hazards require segregation for compatibility.

1) G 1D :::	
A) General Description	
Caustic liquids (Non-thermal treatment)	
B) Waste Matrix Description	
Liquid/Slurries	
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	organic P or U, and, D002, D003 (sulfides and cyanide only), D004-D008, D009 (low-
mercury subcategory only), D010-D011	
E) pH Ranges	F) Flashpoint Ranges
>= 12.5	N/A
C) Packaging	
G) Packaging Recommended Packaging: 208 liter (55	collop) drum
Recommended Packaging. 206 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Stabilization	Caustic Storage
J) Restrictions1. Caustic Liquid is the primary hazard. All subsidiary hazards require segregation for compatibility.	
Caustic Liquid is the primary nazard. A	il subsidiary nazards require segregation for compatibility.

A) General Description	
Other liquids (Non-thermal treatment)	
B) Waste Matrix Description	
Liquid/Slurries	
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	organic P or U, and D003 (sulfides and cyanide only), D004-D008, D009 (low-
mercury subcategory only), D010-D011	organio i or o, and bood (builded and bydinde biny), book bood, bood (low
E) pH Ranges	F) Flashpoint Ranges
N/A	N/A
G) Packaging	malla A dour
Recommended Packaging: 208 liter (55	gailon) drum
H) Treatment Path	I) Segregation
Stabilization	Other MW Storage
J) Restrictions	
None	

A) General Description	
Oxidizer liquids (Non-thermal treatment)	
B) Waste Matrix Description	
Liquid/Slurries	
·	
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	norganic P or U, and, D001(ignitable oxidizer), D002, D003 (sulfides and cyanide
only), D004-D008, D009 (low-mercury su	bcategory only), D010-D011
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging Recommended Packaging: 208 liter (55	callon) drum
Recommended Packaging. 208 liter (55	gailon) drum
H) Treatment Path	I) Segregation
Stabilization	Oxidizer Storage
J) Restrictions	
Ignitable oxidizer is the primary hazard	d. All subsidiary hazards require segregation for compatibility.

A) General Description	
Remote Handled liquids shielded to conta	act handled levels
B) Waste Matrix Description	
liquid waste	
C) Radiological Description	
Low level waste (LLW), Category 1 or 3;	remote handled waste shielded to contact handled levels on outer container
D) Regulatory Classification	
	F028, F039 and/or D004-D043, and/or TSCA PCBs, and all other applicable state
waste codes	020, 1 000 and/or 5004 5040, and/or 100A 1 053, and an other applicable state
	I
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum or 122X122X244 cm (4X4X8 ft) box
H) Treatment Path	I) Segregation
M-91	Segregate according to hazard class
J) Restrictions	
none	

	000 00
A) General Description	
Ignitable solids (not water reactive)	
B) Waste Matrix Description	
Organic and/or Inorganic Ignitable Solids 5(a)(ii).	- Organic and/or Inorganic solids that meet the definition of WAC 173-303-090
C) Radiological Description	
Low level waste(LLW), contact handled, or	ategory 1 or 3
D) Regulatory Classification	
WSC2, WPCB, Listed P or U, and/or F00 and cyanide only), D004-D008, D009 (low applicable state waste codes	01-F012, F019-F028, F039 and/or D001 (ignitable non-liquid), D002, D003 (sulfides w-mercury subcategory only), D010-D043, and/or TSCA PCBs, and all other
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum
H) Treatment Path	I) Segregation
Thermal Treatment	Low Flashpoint Storage
J) Restrictions	
	ashpoint; however the waste is still managed as marked in section I for storage at zard. All subsidiary hazards require segregation for compatibility.

A) General Description	
Oxidizer solids (thermal treatment)	
B) Waste Matrix Description	
Inorganic solids and/or sorbed liquids - In	cludes inorganic solids and/or sorbed liquids requiring themal treatment.
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	01-F012, F019-F028, F039 and/or D001 (ignitable oxidizer), D002, D003 (Sulfides
and cyanide only), D004-D008, D009 (lov	v-mercury subcategory only), D010-D043, and/or TSCA PCBs, and all other
applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
(11	5 ~~ <i>,</i> ~ .
H) Treatment Path	I) Segregation
Thermal Treatment	Oxidizer Storage
J) Restrictions	
Non-liquid oxidizer is the primary hazard. All subsidiary hazards require segregation for compatibility.	
	, , , , , , , , , , , , , , , , , , , ,

A) General Description	
Acidic solids (thermal treatment)	
B) Waste Matrix Description	
Solids or sorbed liquids - Includes inorgai	nic solids or sorbed liquids requiring themal treatment.
C) Radiological Description	
Low level waste (LLW), contact handled,	category 1 or 3
D) Regulatory Classification	
WSC2, WPCB, listed P or U, and/or F001	I-F012, F019-F028, F039 and/or D003 (Sulfides and cyanide only), D004-D008,
D009 (low-mercury subcategory only), D0	010-D043, and/or TSCA PCBs, and all other applicable state waste codes
E) pH Ranges	F) Flashpoint Ranges
<=2	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Thermal Treatment	Acid Storage
J) Restrictions	
Non-liquid Acid is the primary hazard. All subsidiary hazards require segregation for compatibility.	

A) General Description	
Caustic solids (thermal treatment)	
B) Waste Matrix Description	
Solid and/or sorbed liquid - Includes inorg	ganic solids and/or sorbed liquids requiring themal treatment.
C) Radiological Description	and a name of an O
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
WSC2, WPCB, listed P or U, and/or F00 D009 (low-mercury subcategory only). D0	1-F012, F019-F028, F039 and/or D003 (Sulfides and cyanide only), D004-D008, D10-D043, and/or TSCA PCBs, and all other applicable state waste codes
Dood (low moroary capeacogory emy), Do	7.0 20 to, and of 100711 020, and all other applicable state fracts could
E) pH Ranges	F) Flashpoint Ranges
>= 12.5	N/A
C) Packaging	
G) Packaging Recommended Packaging: 208 liter (55)	aollon) drum
Recommended Fackaging. 206 liter (55	gallori) druini
H) Treatment Path	I) Segregation
Thermal Treatment	Caustic Storage
J) Restrictions	
Non-liquid caustic is the primary hazard. All subsidiary hazards require segregation for compatibility.	
	iar in outside in interest of the conference of the conference in interest of the conference in the co

A) General Description	
Other solids (thermal treatment)	
B) Waste Matrix Description	proprie colide and/or corbod liquid vacuiting the read treatment
Solids and/or sorbed liquids - includes inc	organic solids and/or sorbed liquid requiring thermal treatment.
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
WPCB, listed P or U, and/or F001-F012,	F019-F028, F039 and/or D003 (Sulfides and cyanide only), D004-D008, D009 (lowand/or TSCA PCBs, and all other applicable state waste codes
mercury subcategory only), Do 10-D043, a	and/or 13CA PCBs, and an other applicable state waste codes
E) pH Ranges	F) Flashpoint Ranges
N/A	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Thermal Treatment	Other MW Storage
J) Restrictions None	
None	

A) General Description	
Oxidizer solids (non-thermal treatment)	
B) Waste Matrix Description	
Solids and/or sorbed liquid - Includes >90	0% inorganic solids and/or sorbed liquid requiring stabilization.
C) Radiological Description	
Low level waste(LLW), contact handled,	category 1 or 3
, ,	
D) Regulatory Classification	
,	01 (ignitable oxidizer), D002, D003 (Sulfides and cyanide only), D004-D008, D009
(low-mercury subcategory only), D010-D0	011, and all other applicable state waste codes
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
C) Brokening	
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Stabilization	Oxidizer Storage
	Ontained States
J) Restrictions	
1. Non liquid oxidizer is the primary hazard. All subsidiary hazards require segregation for compatibility.	

A) General Description	
Acidic solids (non-thermal treatment)	
B) Waste Matrix Description	
Inorganic solids and/or sorbed liquids - In	cludes >90% inorganic solids and/or sorbed liquid requiring stabilization.
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	003 (Sulfides and cyanide only), D004-D008, D009 (low-mercury subcategory only),
D010-D011, and all other applicable state	e waste codes
E) pH Ranges	F) Flashpoint Ranges
<=2	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
riossimionada i adilagingi 200 moi (00	gamen, aram
H) Treatment Path	I) Segregation
Stabilization	Acid Storage
J) Restrictions	
Non liquid acid is the primary hazard. All subsidiary hazards require segregation for compatibility.	

A) Company I Dog a winding	
A) General Description	
Caustic solids (non-thermal treatment)	
B) Waste Matrix Description	
Inorganic solids and/or sorbed liquid - Inc	cludes >90% inorganic solids and/or sorbed liquid requiring stabilization.
C) Radiological Description	
Low level waste(LLW), contact handled, or	category 1 or 3
D) Regulatory Classification	
	003 (Sulfides and cyanide only), D004-D008, D009 (low-mercury subcategory only),
D010-D011, and all other applicable state	e waste codes
E) pH Ranges	F) Flashpoint Ranges
>=12.5	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gollon) drum
Recommended Packaging. 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Stabilization	Caustic Storage
l v	
J) Restrictions1. Non liquid caustic is the primary hazard. All subsidiary hazards require segregation for compatibility.	
1. Non liquid caustic is the primary nazar	d. All subsidiary nazards require segregation for compatibility.

A) General Description	
Other solids (non-thermal treatment)	
B) Waste Matrix Description	
	ncludes >90% inorganic solids and/or sorbed liquid requiring stabilization.
C\ Partialagiant Description	
C) Radiological Description	ontogony 1 or 2
Low level waste(LLW), contact handled, of	Sategory 1 of 3
D) Regulatory Classification	
All applicable state waste codes, listed in	organic P or U, and/or D003 (sulfides and cyanide only), D004-D008, D009 (low-
mercury subcategory only), D010-D011 v Part A permit application for which the LE	which DO NOT MEET LDR. Also, any listed or characteristic organic codes on CWC
- a po app.::auto io	
E) pH Ranges	F) Flashpoint Ranges
N/A	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
Stabilization	Other MW Storage
J) Restrictions	
None	

A) General Description	
Remote Handled homogeneous solids sh	nielded to contact handled levels
B) Waste Matrix Description	
homogeneous solids (non-debris)	
C) Radiological Description	
	remote handled waste shielded to contact handled levels on outer container
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
D) Regulatory Classification	
WPCB, listed P or U, F001-F012, F019-I waste codes	F028, F039 and/or D004-D043, and/or TSCA PCBs, and all other applicable state
waste codes	
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum or 122X122X244 cm (4X4X8 ft) box
H) Treatment Path	I) Segregation
M-91 Macroencapsulation	Segregate according to hazard class
J) Restrictions	
none	

A) General Description	
Acidic organic debris	
B) Waste Matrix Description	
Organic Debris: Debris estimated to be >	10 % by weight organic debris (per 40 CFR 268.2 (g) definition). Examples of
organic debris include plastic, rubber, wo	od, paper, cloth, plexiglass, protective clothing, and rags or wipes.
C) Radiological Description	
Low level waste (LLW), contact handled,	category 1 or 3
, ,	
D) Pagulatory Classification	
D) Regulatory Classification	1-F012, F019-F028, F039, and/or D001, D003, D004-D043, and/or TSCA PCBs,
and all other applicable state waste codes	1-F012, F019-F026, F039, and/or D001, D003, D004-D043, and/or 13CA PCBS,
E) nH Pangas	F) Flashpoint Ranges
E) pH Ranges	N/A
	IVA
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum, 122X122X244 cm (4X4X8 ft) box
II) To a star and Double	T) Comments
H) Treatment Path	I) Segregation
Thermal Treatment	Acid Storage
J) Restrictions	
None	

A) General Description	
Caustic organic debris	
D) Waste Matrix Description	
B) Waste Matrix Description	10.0/ by weight arranic dahria (par 40 CFD 269.2/s) definition). Everyles of arranic
	10 % by weight organic debris (per 40 CFR 268.2(g) definition). Examples of organic er, cloth, plexiglass, protective clothing, and rags or wipes.
C) Radiological Description	
Low level waste (LLW), contact handled,	category 1 or 3
D) Regulatory Classification	
	1-F012, F019-F028, F039, and/or D001, D003, D004-D043, and/or TSCA PCBs,
and all other applicable state waste code	
E) pH Ranges	F) Flashpoint Ranges
>=12.5	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum, 122X122X244 cm (4X4X8 ft) box
H) Treatment Path	I) Segregation
Thermal Treatment	Caustic Storage
J) Restrictions	
None	
None	

A) General Description	
Other organic debris	
B) Waste Matrix Description	
	10 % by weight organic debris (per 40 CFR 268.2(g) definition). Examples of organic
debris include plastic, rubber, wood, clotr	n, plexiglass, protective clothing, and rags or wipes.
C) Radiological Description	
Low level waste (LLW), contact handled,	category 1 or 3
D) Regulatory Classification	
WPCB, listed P or U, and/or F001-F012, other applicable state waste codes.	F019-F028, F039 and/or D001, D003, D004-D043, and/or TSCA PCBs, and all
	T
E) pH Ranges	F) Flashpoint Ranges
N/A	N/A
G) Packaging	
Recommended Packaging: 208 liter (55 g	gallon) drum, 122X122X244 cm (4X4X8 ft) box
H) Treatment Path	I) Segregation
Thermal Treatment	Other MW Storage
J) Restrictions	
None	

A) General Description	
Acidic inorganic debris	
P) Wasta Matrix Description	
B) Waste Matrix Description	>= 90% by weight inorganic debris (per 40 CFR 268.2 definition). Examples of
inorganic debris include scrap metal, con-	crete chunks and blocks from decontamination, glass, glass bottles, ceramic orbrick s classification, etc. Waste solidified with cement or other stabilization agents are
C) Radiological Description	
Low level waste (LLW), contact handled,	Category 1 or 3
Low level waste (LLVV), Contact Handleu,	Category 1 of 5
D) Regulatory Classification	
	, F019-F028, F039, and/or D004-D043, and/or TSCA PCBs, and all other applicable
state waste codes	
E) pH Ranges	F) Flashpoint Ranges
<=2	N/A
	19/1
G) Packaging	
Recommended packaging: 208 liter (55 g	gallon) drum, 122x122x244 cm (4x4x8 ft) box
H) Treatment Path	I) Segregation
Debris Macroencapsulation	Acid Storage
J) Restrictions	
None	

A) General Description	
Caustic inorganic debris	
P) Wasta Matrix Description	
B) Waste Matrix Description	>= 90% by weight inorganic debris (per 40 CFR 268.2(g) definition). Examples of
inorganic debris include scrap metal, con	crete chunks, and blocks from decontamination, glass, glass bottles, ceramic or debris classification, etc. Waste solidified with cement or other stabilization agents
C) Radiological Description	
Low level waste(LLW), contact handled, or	category 1 or 3
. ,	
D) Regulatory Classification	
	2, F019-F028, F039 and/or D004-D043, and/or TSCA PCBs, and all other applicable
state waste codes	
E) pH Ranges	F) Flashpoint Ranges
>=12.5	N/A
G) Packaging	
	gallon) drum, 122x122x244 cm (4x4x8 ft) box
H) Treatment Path	I) Convergion
Debris Macroencapsulation	I) Segregation Caustic Storage
J) Restrictions	
None None	
None	

A) General Description	
Remote Handled debris shielded to conta	act handled levels
B) Waste Matrix Description	
Organic/Inorganic debris	
C) Radiological Description	
Low level waste (LLW), Category 1 or 3;	remote handled waste shielded to contact handled levels on outer container
D) Regulatory Classification	
	F028, F039 and/or D004-D043, and/or TSCA PCBs, and all other applicable state
waste codes	,
E\ nH Panaca	E) Elashnoint Dances
E) pH Ranges	F) Flashpoint Ranges N/A
	IVA
G) Packaging	rollon) drives on 400V400V044 are (AVAV0.6) have
Recommended Packaging: 208 liter (55	gallon) drum or 122X122X244 cm (4X4X8 ft) box
	T
H) Treatment Path	I) Segregation
M-91 Macroencapsulation	Segregate according to hazard class
J) Restrictions	
none	

800-03

\boldsymbol{A}) General	Descri	ption

Radioactive lead solids LDR subcategory

B) Waste Matrix Description

Radioactive Lead Solids: Waste items such as lead bricks, sheets, and pipes. (Note: these lead solids include, but are not limited to, all forms of lead used as shielding and other elemental forms of lead. These lead solids do not include treatment residuals such as hydroxide sludges, other wastewater treatment residuals, or incinerator ashes that can undergo conventional pozzolanic stabilization, nor do they include organo-lead materials that can be incinerated and stabilized as ash. This subcategory consists of nonwastewaters only)

C) Radiological Description

Low level waste(LLW), contact handled, category 1 or 3

D) Regulatory Classification

WSC2, WPCB, listed P or U, F001-F012, F019-F028, F039, D004-D008, D008 (Radioactive Lead Solids Subcategory), D009 (low-mercury subcategory only), D010-D043, and TSCA PCBs, and all other applicable state waste codes

E) pH Ranges	F) Flashpoint Ranges
0-14	N/A

G) Packaging

Recommended Packaging: 208 liter (55 gallon) drum

H) Treatment Path	I) Segregation
Macroencapsulation	Other MW Storage

J) Restrictions

1. Radioactive lead solids subcategory is the primary hazard. All subsidiary hazards require segregation for compatibility. 2. Debris that contains co-generated lead which cannot be readily segregated, is less than 50 % lead in the total waste weight, and is still primarily RCRA debris is not considered Radioactive Lead Solids. This waste should be managed under the applicable 600-series WSRd.

	002 00
A) General Description	
Lead acid batteries LDR subcategory	
B) Waste Matrix Description	
Lead Acid Batteries: Lead acid batteries v 268,40 and can not be decontaminated as	which meet the Lead Acid Batteries treatment subcategory description in 40 CFR nd released as nonradioactive waste.
C) Radiological Description	
Low level waste(LLW), contact handled, c	category 1 or 3
D) Regulatory Classification	
	2, F019-F028, F039, D002, D004-D008, D008 (Lead Acid Battery Subcategory),
boos (low-mercury subcategory only), bo	110-D043, TSCA PCBs, and all other applicable state waste codes
TI) II D	
E) pH Ranges	F) Flashpoint Ranges
	IVA
G) Packaging Recommended Packaging: 208 liter (55.0	gallon) drum, 122x122x244 cm (4x4x8 ft) box
Trecommended Facility 250 mer (60 §	gallon, dram, 122x122x2++ on (+x4x6 h) box
H) Treatment Path	I) Segregation
Thermal Recovery of Lead	Acid Storage
J) Restrictions	<u>I</u>
	imary hazard. All subsidiary hazards require segregation for compatibility.

	810-02
A) General Description	
Elemental mercury LDR subcategory	
B) Waste Matrix Description	
Elemental Mercury: Waste with >260 thermometers, etc.	mg/kg of elemental mercury wastes , such as found in vacuum pumps, manometers,
C) Radiological Description	
Low level waste(LLW), contact handled	i, category 1 or 3
D) Regulatory Classification	
WSC2, WPCB, Listed P, U, U151(Eler F039, D002, D004-D008, D009 (Eleme applicable state waste codes	mental Mercury Contaminated with Radioactive Materials), F001-F012, F019-F028, ental Mercury Contaminated with Radioactive Materials), D010 - D043, and all other
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (5	55 gallon) drum
H) Treatment Path	I) Segregation
Amalgamation	Other MW Storage
J) Restrictions	
Elemental mercury contaminated with require segregation for compatibility.	th radioactive materials subcategory is the primary hazard. All subsidiary hazards

	012-03
A) General Description	
High Mercury (organic and inorganic) LDf	R subcategories
B) Waste Matrix Description	
	Waste that requires or permits retorting for recovery of mercury (RMERC) as a FR 268.40; this includes high mercury batteries
C) Radiological Description	
Low level waste(LLW), contact handled, of	category 1 or 3
D) Regulatory Classification	
	Mercury Organic or Inorganic Subcategory), F001-F012, F019-F028, F039, D002, c or Inorganic Subcategory), D010 - D043, and all other applicable state waste codes
E) pH Ranges	F) Flashpoint Ranges
0-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
H) Treatment Path	I) Segregation
RMERC	Other MW Storage
J) Restrictions	
High Mercury Organic or Inorganic Sub- compatibility.	ocategory is the primary hazard. All subsidiary hazards require segregation for

A) General Description	
Water reactive metals and compounds	
B) Waste Matrix Description	
Reactive Metal Waste - Reactive metal (packaged in a form that is sufficently stab	e.g. sodium, lithuim, calcium), metal hydrides, borohydrides and related compounds ole for extended storage.
C) Radiological Description	
Low level waste(LLW), contact handled, or	category 1 or 3
zew ievel wasie(zzwy, cemaet namaieu, c	addgoly 1010
D) Regulatory Classification	
	F019-F028, F039, D001(ignitable non-liquid), D002, D003 (sulfide, cyanides and
	Mercury Subcategory), D010-D043, and all other applicable state waste codes
E) pH Ranges	F) Flashpoint Ranges
7-14	N/A
G) Packaging	
Recommended Packaging: 208 liter (55	gallon) drum
	T
H) Treatment Path	I) Segregation
DEACT	Alkali Metal Storage
J) Restrictions	
1. Water reactives is the primary hazard.	All subsidiary hazards require segregation for compatibility.

A) General Description		
Beryllium dust		
D) W . 15		
B) Waste Matrix Description	1	
Beryllium dust waste: Waste that is regul	lated per WAC 173-303-081 for the waste code P015.	
C) Radiological Description		
Low level waste(LLW), contact handled, or	category 1 or 3	
Low level waste(LEVV), softtast harriage, t	adogory 1 or o	
D) Regulatory Classification		
, ,	F012, F019-F028, F039, D001, D002, D003 (sulfide and cyanides only), D003,	
D004-D008, D009 (Low Mercury Subcate	egory), D010-D043, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
0-14	N/A	
G) Packaging		
Recommended Packaging: 208 liter (55	gallon) drum	
H) Treatment Path	I) Convergion	
RMETL or RTHRM	I) Segregation Other MW Storage	
	Ottler MW Storage	
J) Restrictions		
Beryllium dust is the primary hazard. A	Il subsidiary hazards require segregation for compatibility.	

A) General Description		
Other water reactive compounds		
D) Waste Matrix Description		
B) Waste Matrix Description	unds (other than water reactive metals and related compounds) packaged in a form	
that is sufficently stable for extended storage		
C) Radiological Description		
Low level waste(LLW), contact handled, of	category 1 or 3	
D) Regulatory Classification		
	F019-F028, F039, D001(ignitable non-liquid), D002, D003 (sulfide, cyanides and	
water reactive), D004-D008, D009 (Low N	Mercury Subcategory), D010-D043, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
0-14	N/A	
G) Packaging		
	gallon) drum	
Recommended Packaging: 208 liter (55 gallon) drum		
H) Treatment Path	I) Segregation	
DEACT	To be determined	
J) Restrictions		
1. Water reactives is the primary hazard.	All subsidiary hazards require segregation for compatibility.	

A) General Description		
Osmium Tetroxide (P087 waste code)		
B) Waste Matrix Description		
Osmium tetroxide and any mixture of P08	37 waste with other waste matrices.	
·		
C) Radiological Description		
Low level waste (LLW), contact handled,	category 1 or 3	
D) D = - I = I = CI = : C' = I :		
D) Regulatory Classification	E040 E040 E000 E000 and/or D004 D040 and/or T004 D0Ds and all other	
applicable state waste codes.	-F012, F019-F028, F039 and/or D004-D043, and/or TSCA PCBs, and all other	
E) pH Ranges	F) Flashpoint Ranges	
0-14	N/A	
G) Packaging		
Recommended Packaging: 208 liter (55 g	gallon) drum, 122X122X244 cm (4X4X8 ft) box	
H) Treatment Path	I) Segregation	
RTHRM	Segregate according to hazards	
J) Restrictions		
None		

	830-04		
A) General Description			
Cadmium containing batteries LDR subca	ategory		
B) Waste Matrix Description			
Cadmium Containing Batteries: Cadmium subcategory description in 40 CFR 268.40	n containing batteries which meet the Cadmium Containing Batteries treatment 0 and can not be decontaminated and released as nonradioactive waste.		
C) Radiological Description			
Low level waste(LLW), contact handled, of	category 1 or 3		
D) Regulatory Classification			
	F019-F028, F039, D002, D003 (sulfide and cyanides only), D004-D008, D009 (Low cadmium containing batteries subcategory), and all other applicable state waste		
E) pH Ranges	F) Flashpoint Ranges		
0-14	N/A		
G) Packaging			
Recommended Packaging: 208 liter (55	gallon) drum		
H) Treatment Path	I) Segregation		
Thermal Recovery	Other MW Storage		
J) Restrictions			
Cadmium containing batteries subcates compatibility.	gory is the primary hazard. All subsidiary hazards require segregation for		

A) General Description		
State only inorganic solid acid waste		
B) Waste Matrix Description		
Inorganic Sorbed Liquids, Sludges, Other	Solids: Waste that contains < 10% organic/carbonaceous constituents [as defined	
in WAC 173-303-140 (3) (c)].		
C) Radiological Description		
Low level waste(LLW), contact handled, of	category 1 or 3	
D) Regulatory Classification		
WPCB, WT02, WP02, WSC2, and all ot	her applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
<=2	N/A	
G) Packaging		
	gallon) drum, 122x122x244 cm (4x4x8 ft) box	
H) Treatment Path	I) Segregation	
Deactivation by Non-thermal	Acid Storage	
J) Restrictions		
NONE		

A) General Description		
State only organic solid acid waste		
D) W . 15 . 1 D . 1 . 1		
B) Waste Matrix Description		
in WAC 173-303-140 (3) (c)].	Solids: Waste that contains > 10% organic/carbonaceous constituents [as defined	
C) Radiological Description		
Low level waste(LLW), contact handled, of	category 1 or 3	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3· , · · ·	
D) Regulatory Classification		
	P03, WSC2, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
<=2	N/A	
G) Packaging		
Recommended Packaging: 208 liter (55	gallon) galvanized drum, 122x122x244 cm (4x4x8 ft) metal box	
H) Treatment Path	I) Segregation	
Thermal Treatment	Acid Storage	
J) Restrictions		
None		

A) General Description		
State only organic solid caustic waste		
B) Waste Matrix Description		
Organic Sorbed Liquids, Sludges, Other S	Solids: Waste that contains >10% organic/carbonaceous constituents [as defined in	
WAC 173-303-140 (3) (c)].		
C) Radiological Description		
Low level waste(LLW), contact handled, or	category 1 or 3	
D) Regulatory Classification		
	03, WSC2, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
>=12.5	N/A	
G) Packaging		
	gallon) drum, 122x122x244 cm (4x4x8 ft) box	
Recommended Fackaging. 200 liter (55)	gallon) drum, 122x122x244 om (4x4x0 m) box	
H) Treatment Path	I) Segregation	
Thermal Treatment	Caustic Storage	
J) Restrictions		
None		
None		

A) General Description		
State only organic solid waste		
B) Waste Matrix Description		
· · · · · · · · · · · · · · · · · · ·	Solids,: Waste that contains > 10% organic/carbonaceous constituents [as defined	
in WAC 173-303-140 (3) (c)].		
C) Radiological Description		
Low level waste(LLW), contact handled, of	category 1 or 3	
D) Regulatory Classification		
WPCB, WT01, WT02, WP01, WP02, WP	03, and all other applicable state waste codes	
E) pH Ranges	F) Flashpoint Ranges	
N/A	N/A	
G) Packaging		
	gallon) drum, 122x122x244 cm (4x4x8 ft) box	
H) Treatment Path	I) Segregation	
Thermal Treatment	Other MW Storage	
J) Restrictions None		
None		

A) General Description		
Federal and State LDR compliant waste		
B) Waste Matrix Description		
Miscellaneous Solid Waste		
C) Radiological Description	distancial stabilization on book and admirably stabilized in accordance with UNIT	
Low Level waste that does not require radiological stabilization or has been radiologically stabilized in accordance with HNF- EP-0063		
D) Regulatory Classification		
Waste that complies with all applicable tre	eatment standards of 40 CFR Part 268 Subpart D and WAC 173-303-140. TSCA	
	A Subtitle C landfill. WPCB, WT01, WT02, WP01, WP02, WP03, WSC2, listed P and/or D001-D043, and all other applicable state waste codes. Note that lead	
and/or U, F001-F012, F019, F028, F039 and/or D001-D043, and all other applicable state waste codes. Note that lead shielding that is being used for its intended purpose (radioactive shielding) is not a solid waste and is not subject to		
dangerous waste designations.		
E) pH Ranges	F) Flashpoint Ranges	
>2	N/A	
G) Packaging		
Required Packaging: Each container mus	st be void filled to at least 90% full.	
H) Treatment Path	I) Segregation	
N/A	MW Disposal	
J) Restrictions		
1. All RCRA/EPA Regulated Waste must have a Land Disposal Restriction Notification/Certification form. State only waste		
requiring disposal in a RCRA permitted disposal facility must comply with WAC 173-303-140 prior to disposal.		

A) General Description		
Federal and State LDR compliant waste		
B) Waste Matrix Description		
Miscellaneous Solid Waste		
C) Radiological Description		
Low Level waste that does require radiological	ogical stabilization in accordance with HNF-EP-0063	
D) Regulatory Classification		
	eatment standards of 40 CFR Part 268 Subpart D and WAC 173-303-140. TSCA A Subtitle C landfill. WPCB, WT01, WT02, WP01, WP02, WP03, WSC2, listed P	
and/or U, F001-F012, F019, F028, F039 a	and/or D001-D043, and all other applicable state waste codes. Note that lead	
shielding that is being used for its intende dangerous waste designations.	d purpose (radioactive shielding) is not a solid waste and is not subject to	
dangerous waste designations.		
E) pH Ranges	F) Flashpoint Ranges	
>2	N/A	
G) Packaging		
Required Packaging: Each container mus	it be void filled to at least 90% full.	
H) Treatment Path	I) Segregation	
N/A	MW Disposal	
·		
J) Restrictions1. All RCRA/EPA Regulated Waste must have a Land Disposal Restriction Notification/Certification form. State only waste		
requiring disposal in a RCRA permitted disposal facility must comply with WAC 173-303-140 prior to disposal.		