

**FRANKLIN COUNTY SANITARY LANDFILL
ATTACHMENT B
WASTE TYPES AND ANALYTICAL REQUIREMENTS¹**

WASTE CODE	WASTE TYPES	ANALYTICAL REQUIREMENTS											Re-analysis Frequency (Yrs)	Remarks		
		pH (ASTM leachate)	Ignitability	Reactivity	Paint Filter	TCLP Metals	TCLP Volatiles	TCLP Semi-Volatiles	TCLP Herbs/Pests	PCBs	TPH	Other			MSDS ²	
1	ADHESIVES															
A	Elastomer-solvent cements		X				X						X	3		
B	Inorganic(portland cement, mortar, gypsum)														No analysis required	
C	Mineral(asphalt, pitches, hydrocarbon resins)						benzene	cresols pyridine					X	3		
D	Silicone polymers and cements												X			
E	Thermoplastic resins(polyethylene, polyvinyl acetate)												X			
F	Thermosetting epoxy(phenol-formaldehyde - see Phenolic Resins)												X			
G	Vegetable(gum, latex, rubber)												X			
2	AGRICULTURAL WASTE(Fertilizers, Pesticides, Feed Supplements)								X				X	3		
3	ANTIFREEZE CONTAMINATED MATERIALS															
A	Unused														No analysis required with verification that product is virgin (unused)	
B	Used					X	X						X	3		
4	ASPHALT															
A	Cured														No analysis required	
B	Uncured						benzene						X	3		
5	BAGHOUSE DUST(non-metallurgical)	X	X	X		X								3	Verification required that the waste is not a K126 listed hazardous waste	
6	BATTERIES															
A	Alkaline					X								3		
B	Lead-Acid														Hazardous waste	
C	Lithium					X								3		
D	Manganese					X								3		
E	Mercuric oxide (watch)					X								3		
F	Nickel-cadmium														Hazardous waste	
G	Silver oxide cell					X								3		
I	Zinc-carbon cell					X								3		
7	CATALYST															
A	Unused												X	3	Analysis may be required after review of MSDS	
B	Used or Spent Catalyst	X	X	X	X	X	X				X		X	3		
8	CERAMIC WASTES					X								3		
9	CHEMICAL WASTES															
A	Acidic chemicals (pH<6)	X	X	X	X								X	3		
B	Basic chemicals (pH>8)	X	X	X	X								X	3		
C	Carbon Residues (Decoloring, Filtering Toner)	X	X	X	X	X	X	X					X	3		

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9	CHEMICAL WASTES															
D	Chemical Salts	X	X	X	X	X							X	3		
E	Combustible Chemicals	X	X	X	X								X	3		
F	Detergents, Cleaning Agents	X	X	X	X	X	X	X					X	3		
G	Filter Aids (i.e. Diatomaceous Earth)	X	X	X	X	X	X	X					X	3		
H	Off-Spec Products												X		Analysis may be required after review of MSDS	
I	Pharmaceutical Wastes	X	X	X	X	X	X	X					X	3		
J	Spent Dyes	X	X	X	X	X	X	X					X	3		
K	Spent Filter Media	X	X	X	X	X	X	X					X	3		
L	Surface Collagens (Paints, Inks, Adhesives)	X	X	X	X	X	X	X					X	3		
M	Other Chemical Wastes													3	Analytical requirements to be determined on a case-by-case basis (process dependent)	
10	CIRCUIT BOARDS					X								3		
11	COMBUSTION RESIDUES															
A	Bottom Ash/Flyash (Coal-Derived)					X								3	See Checklists C and D for analytical requirements to qualify as Exempt Waste	
B	Flue Gas Desulfurization Residue (FGD)	X				X								3		
C	Medical Incinerator Ash					X								3		
D	Municipal Incinerator Ash	X				X						Dioxins & dibenzofurans		1	Additional analyses may be required - contact FCSL for details	
E	Municipal Wastewater Treatment Plant Incinerator Ash					X								3		
F	Other Ash					X								3	Analytical requirements to be determined on a case-by-case basis (process dependent)	
12	DESICCANTS															
A	Unused												X			
B	Used												X		Analytical requirements to be determined on a case-by-case basis (process dependent)	
13	EMPTY CONTAINERS															Generator certification that containers are empty per 40 CFR 261.7 must accompany each load; No analysis required
14	FILTERS															
A	Coolant					X								3		
B	Fuel, non-terneplated					X	benzene							3	Generator must state on Waste Profile that filters are non-terneplated and hot drained	
C	Glycol filter from gas production					X	benzene							3		

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14	FILTERS															
D	Oil, non-terneplated															No analysis required; Generator must state on Waste Profile that filters are non-terneplated, hot-drained, and exempt from regulation per 40 CFR 261.4(b)(13)
15	FOOD WASTES (Excluding Sludge)															No analysis required
16	GLASS															
A	Optical Glass					X									3	
B	Windshields					X									3	
C	Windows															No analysis required
17	GREASE TRAP WASTES				X										3	
18	LEATHER WASTES	X	X	X		X		X							3	
19	ION EXCHANGE RESIN															
A	Potable water purification															No analysis required
B	Industrial														3	Analytical requirements to be determined on a case-by-case basis (process dependent)
20	LIGHT BULBS															
A	Fluorescent					X									3	Preferred OEPA method of handling is recycling, however disposal is allowed with passing TCLP results
B	High Intensity					X									3	
C	Mercury Vapor					X									3	
21	MEDICAL WASTES (TREATED)															No analysis required; each load must be accompanied w/ manifest from treatment facility
22	METALLURGICAL PROCESS RESIDUES															
A	Auto Shredder Fluff					X				X					0.25	Quarterly re-analysis for PCBs, TCLP cadmium and TCLP lead
B	Ferrous Baghouse Dust	X				X									3	Verification required that the waste is not a K061 listed hazardous waste
C	Non-Ferrous Baghouse Dust	X				X									3	
D	Foundry Sand					X									3	See Checklists C and D for analytical requirements to qualify as Exempt Waste
E	Metal Grindings/Shavings					X									3	
F	Refractory Material					X									3	
G	Slag														3	See Checklists C and D for analytical requirements to qualify as Exempt Waste
H	Excluded High Temp. Metal Recovery Slag from the Recovery of F006, K061 & K062	X	X	X		X									3	
I	Other Metallurgical Process Residues	X	X	X	X	X									3	Additional analytical requirements may be required after review of process information

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23	OFF-SPEC OR OUTDATED PRODUCTS												X		Analysis may be required after review of MSDS
24	PAINT FILTERS		X			X	X							3	Verification required regarding spent solvent management
25	PHENOLIC RESINS														
A	Cured											X			
B	Uncured		X	X				X				X	3		
26	PHOTOGRAPHIC WASTE														
	Color or Black and White Film					X								3	
27	PLASTIC SCRAP (CURED)														No analysis required
28	POWDER COATING WASTE					X	X							3	Verification required regarding spent solvent management
29	RUBBER & ELASTOMER WASTES (CURED)														No analysis required
30	SAND BLASTING RESIDUES														
A	Unused											X			
B	Used					X						X	3		
31	SANITARY SEWER GRIT OR BAR SCREENINGS				X	X	X	X	X					3	If WWTP services residential areas only, paint filter is only analysis required
32	SOIL / DEBRIS CONTAMINATED W/ USED PETROLEUM PRODUCTS														
A	Cutting/Grinding Oil				X	X				X		X	1	Additional analysis may be required after review of MSDS	
B	Hydraulic Fluid													1	No analysis required
C	Grease					X	X			x				1	
D	Lubricating Oil					X	X			x				1	
E	Waste Oil					X	X			x				1	
33	SOIL / DEBRIS CONTAMINATED W/ VIRGIN PETROLEUM PRODUCTS														
A	Crude Oil					X	X							1	No analysis required with verification that waste is exempt per 40 CR261.4(b)(5)
B	Diesel Fuel; Grease; Heating Oil; Hydraulic Oil; Kerosene; Lubricating Oil														No analysis required with verification that product is virgin (unused)
C	Gasoline, Leaded (Non-UST)					lead					BTEX			1	
D	Gasoline, Leaded (UST)					lead								1	Verification req'd that soils are from corrective action per 40 CFR 280
E	Gasoline, Unleaded (Non-UST)										BTEX			1	
F	Gasoline, Unleaded (UST)														No analysis req'd w/verification that soils are from corrective action per 40 CFR 280

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34	SLUDGES AND SCALES																
A	Car Wash Sludge		X		X											BTEX	3
B	Cooling Tower Debris/Sludge					X							X				3
																	MSDS for water treatment chemical/corrosion inhibitors
34	SLUDGES AND SCALES																
C	Dry Cleaning Sludge	X	X	X	X	X	X	X					X				3
D	Emission Control Sludge	X		X	X	X	X										3
E	Food Processing Sludge	X		X	X	X	X										3
F	Ink Sludge				X	X	X										3
G	Laundry Sludge	X		X	X	X	X	X									3
H	Lime-Cement Kiln Scale, Residue	X			X	X	X										3
I	Lime-Stabilized Pickle Liquor	X			X	X											3
J	Metallurgical Sludge	X		X	X	X	X										3
K	Oily Sludge, Petroleum Derived	X	X	X	X	X	X	X		X							3
L	Paint/Coating Sludge & Scale	X	X	X	X	X	X	X									3
																	Verification required regarding spent solvent management
M	Paper Mill Sludge				X	X											3
N	Still Bottoms	X	X	X	X	X	X	X									3
O	Tank Bottoms	X	X	X	X	X	X	X									3
P	Wastewater Treatment Plant Sludge (Municipal)				X	X	X	X	X	X							3
Q	Wastewater Treatment Plant Sludge (Industrial)	X	X	X	X	X	X	X	X	X							3
R	Water Treatment Sludge	X			X	X											3
S	Delisted Residue from the Treatment of Listed Hazardous Waste	X	X	X	X	X	X	X	X	X							0.25
T	Non-Hazardous Residue from the Treatment of Hazardous Waste	X	X	X	X	X	X	X	X	X							0.25
U	Other Industrial Sludges and Scales																3
																	Analytical requirements to be determined on a case-by-case basis (process dependent)
35	SOLVENT CONTAMINATED SOILS AND DEBRIS																Analytical requirements to be determined on a case-by-case basis (process dependent)
36	STREET SWEEPINGS (MUNICIPAL)																No analysis required
37	TANKS																
A	Petroleum Tanks, cleaned (with no residue remaining - must state on Waste Profile steam cleaned or detergent washed)																No analysis required
B	Other Tanks																Analytical requirements to be determined on a case-by-case basis (process dependent)

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38	TREATED WOOD (including telephone poles, railroad ties)															
A	Fresh Creosote Preserved Wood							X							3	
B	Weathered															No analysis required; Generator must describe as weathered on Waste Profile
39	WOOD BLOCK FLOORING					X	X	X	X	X					3	
40	OTHER WASTES NOT LISTED ABOVE															Analytical requirements to be determined on a case-by-case basis (process dependent)

(1) The analyses shown are the typical requirements for each waste type. A certification from the generator that certain contaminants are not present in the waste stream may be accepted in lieu of analysis provided that sufficient documentation (list of raw materials used, detailed description of all processes generating the waste, process flow schematic, etc.) is submitted and approved by FCSL and/or its consultant.

(2) Waste types that only require submittal of an MSDS may require analysis following review of the information presented therein.