

Special Waste Testing Guidance

The following testing guidance should be used as a tool to communicate testing requirements to generators. Please consult Authority Technical Staff should you have any questions about appropriateness of the required testing. Authority must review the analytical and the signed waste profile form before delivery to any disposal facility.

Combustion Residues

<u>Waste Material</u>	<u>Testing Required for Disposal</u>
Coal Ash (Bottom and Fly)	No Testing Required. Waste Profile form must be submitted and approved before delivery
Incinerator Ash (Medical Waste)	TCLP Metals, Paint Filter
MSW Incinerator Ash – For Disposal	TCLP Metals, Paint Filter
MSW Incinerator Ash – For Alternative Daily Cover	Special Testing Requirements consult Authority Staff
Refractory Material (Brick, Flue lining, etc.)	No Testing if fuel source is fossil fuel based. If fuel source is waste oil or if the furnace is associated with an industrial process – TCLP Metals

Metallurgical Process Residues

<u>Waste Material</u>	<u>Testing Required for Disposal</u>
Foundry Sand	TCLP Metals, Paint Filter, Phenols. If Coolants or solvents are used in the process, include TCLP Volatiles and Semivolatiles
Grindings/Shavings	TCLP Metals, Paint Filter, Phenols. If Coolants or solvents are used in the process, include TCLP Volatiles and Semivolatiles
Ferrous and NonFerrous Baghouse Dust	TCLP Metals, Reactivity, Paint Filter, (This guidance would not apply to baghouse processes involving spray paint booths or solvent degreasing)
Sandblast Sand and Residue	TCLP Metals, Paint Filter
Air Emission Dust	TCLP Metals, TCLP Volatiles, TCLP Semivolatiles, pH, Reactivity, Paint Filter.

Sludges

<u>Waste Material</u>	<u>Testing Required for Disposal</u>
Publicly Owned Treatment Works (POTW)	TCLP Metals, TCLP Volatiles, pH, Reactivity, Sludge Flashpoint, Paint Filter, percent solids
POTW Grit/Screening	TCLP Metals, TCLP Volatiles, pH, Reactivity, Flashpoint, Paint Filter
Industrial Waste Water Treatment Sludge	TCLP Metals, TCLP Volatiles, pH, Reactivity, Flashpoint, Paint Filter
Food Processing Sludge	Paint Filter
Tank Bottoms	Dependent on the contents of the tank. TCLP Metals, TCLP Volatiles, TCLP Semivolatiles, Flashpoint, Reactivity, pH, Paint Filter
Oily Sludge, Petroleum Derived	Dependent on Petroleum Type. TCLP Metals, TCLP Volatiles, TCLP Semivolatiles, Flashpoint, Reactivity, pH, Paint Filter
Other Industrial Process Sludge	TCLP Metals, TCLP Volatiles, TCLP Semivolatiles, TCLP PCB's, Flashpoint, Reactivity, pH, Paint Filter
Oil Waste Separator Sludge	TCLP Metals, TCLP Volatiles, TCLP Semivolatiles, Total PCB's, Flashpoint, Reactivity, pH, Paint Filter
Sludge that is accepted at the Regional Landfill be over 70% Solids or Pass a Paint Filter test.	

Miscellaneous

<u>Waste Material</u>	<u>Testing Required For Disposal</u>
Railroad Ties & Creosote Treated Wood	TCLP Semivolatiles (Acid Fraction only)
Auto Shredder Residue (Auto Fluff)	Generally a minimum of 3 representative composite samples. TCLP Metals, TCLP Volatiles, TCLP Semivolatiles, Flashpoint, Reactivity, pH, Total PCB's. Sampling protocol varies depending on whether the sample is obtained from a stockpile, or freshly produced autofluff. Periodic testing with be required.
"RCRA" Empty Tanks and Drums	No Testing is required, but a statement is needed about what type of product the tank held and how it was cleaned. MSDS sheets are required if available. Both Ends of the drums or tanks must be cut off and the drums must be crushed. Tanks must be cut up into manageable pieces.

Paint Booth Filters	TCLP Metals, TCLP Volatiles, Ignitability.
Floor Drain Sludges	Analytical requirements vary depending on type of industry. TCLP Semivolatiles, TCLP Metals, Flashpoint, paint filter
Treated Regulated Medical Waste (TRMW)	A. Only (TRMW) or treated and destroyed medical waste (TDMW) which has been treated may be accepted at the Regional Landfill.
	B. Each Load of TRMW and TDMW to be accepted for disposal must be accompanied by the original certification form. Each certification form must signed and dated by the treatment facility shift supervisor or treatment facility manager. The original and all copies of the certification must be maintained at the facility for a period of no less than seven (7) years from the date they were prepared.
	C. TRMW or TDMW can only be accepted at the Regional Landfill if the VTP results have been approved in writing by the New York State Department of Health and minimum operating standards have been established.
Lead Paint Debris	TCLP Lead

Guidance for Acceptance of Petroleum Contaminated Soil at the Regional Landfill

Virgin Products

Generator knowledge regarding the product spill release must be provided. For all material types, the generator must supply information on how the release occurred, an estimate on the quantity of product released, and approximate volume of contaminated soil.

Generator must indicate that the release was derived solely from virgin product spill or release, that no other contaminants are known to exist in the waste stream.

Generator may document this information directly on the profile, or in a signed letter accompanying the profile along with the analysis described below. The number of test required will be determined on a case-by-case basis.

<u>Contaminate</u>	<u>Testing Required For Disposal</u>
Diesel Fuel, Heating Oils, Kerosene, Hydraulic Oil, Jet Fuel	Paint Filter, Flash Point, Ignitability, TCLP Semivolatiles, Pesticide & Herbicide*
Gasoline	Paint Filter, TCLP Lead, Flash Point, Ignitability, TCLP Volatiles, Pesticide & Herbicide*

Non-Virgin Petroleum Contaminated Soil

<u>Contaminate</u>	<u>Testing Required For Disposal</u>
Used Oil, and Fuels	TCLP Volatiles, TCLP Metals, TCLP Semi-Volatiles, Total PCB's, Reactivity, Paint Filter Test, pH, Flash Point, Ignitability, TCLP Pesticides & Herbicides

The Authority requires at least one *representative sample to be taken per 1000 tons of material.

The Authority technical staff does have the right to request additional samples be taken depending on the site conditions and contaminates present.

** To enable the Authority Technical Staff to waive the testing for pesticides or herbicides we would require a letter from the generator stating that pesticides and herbicides were never used or stored in the area of excavation*

*Representative Sample means a sample of a universe or whole (e.g., waste pile, lagoon, ground water) which can be expected to exhibit the average properties of the universe or whole (40 CFR Sec. 260.10). In other words, a sample is representative if it is a collection or portion of a waste stream that demonstrates the composition of the whole waste stream.

**Acceptance Limits for the Oneida Herkimer Solid Waste Authority
Regional Landfill**

<u>Characterization</u>	<u>Limits</u>	<u>EPA Test Method</u>
Ignitability	Greater Than 140°F (60°C)	Method 1030, Method 1010
Flash		Pensky-Martens Limit
Corrosivity (pH)	pH >2 and < 12.5	NACE Standard TM-01-69
Paint Filter	PASS	EPA Method 9095B
Percent Solids	Greater Than or Equal to 75%	
Reactivity	Cyanide <250 ppm , Sulfide < 500 ppm	Cyanide Guidance Value

TCLP Metals

<u>Parameter</u>	<u>Regulatory Limits (mg/L)</u>	<u>EPA Test Method</u>
Arsenic	5.0	EPA Method 6010
Barium	100	EPA Method 6010
Cadmium	1.0	EPA Method 6010
Chromium	5.0	EPA Method 6010
Lead	5.0	EPA Method 6010
Mercury	0.2	EPA Method 7470
Selenium	1.0	EPA Method 6010
Silver	5.0	EPA Method 6010

TCLP Volatiles

TCLP Semi-Volatiles

<u>Parameter</u>	<u>Regulatory Limits (mg/L)</u>	<u>EPA Test Method</u>	<u>Parameter</u>	<u>Regulatory Limits (mg/L)</u>	<u>EPA Test Method</u>
Benzene	0.5	8260	2-4-Dinitrotolene	0.13	8270
Carbon Tetrachloride	0.5	8260	Hexachlorobenzene	0.13	8270
Chlorobenzene	100	8260	Hexachloroethane	3.0	8270
Chloroform	6.0	8260	2-Methylphenol	200	8270
1,4-Dichlorobenzene	7.5	8260	3-,4-Methylphenol	400	8270
1,2-Dichloroethene	0.5	8260	Nitrobenzene	2.0	8270
1,1-Dichloroethane	0.7	8260	Pentachlorophenol	100	8270
2-Butanone (MEK)	200	8260	Pyridine	5.0	8270
Tetrachloroethene	0.7	8260	2,4,5-Trichlorophenol	400	8270
Trichloroethene	0.5	8260	2,4,6-Trichlorophenol	2.0	8270
Vinyl Chloride	0.2	8260			

TCLP Herbicides & Pesticides**PCB's**

<u>Parameter</u>	<u>Regulatory Limits (mg/L)</u>	<u>EPA Test Method</u>	<u>Parameter</u>	<u>Regulatory Limits (ppm)</u>	<u>EPA Test Method</u>
Chlordane	0.03	8081	Aroclor 1016	50.0	8082
Endrin	0.02	8081	Aroclor 1221	50.0	8082
Heptachlor	0.008	8081	Aroclor 1232	50.0	8082
Heptachlor Epoxide	0.008	8081	Aroclor 1242	50.0	8082
Lindane	0.40	8081	Aroclor 1248	50.0	8082
Methoxychlor	10.00	8081	Aroclor 1254	50.0	8082
Toxaphene	0.50	8081	Aroclor 1260	50.0	8082
2,4 – D	10.00	8151			
2,4,5 – TP	1.0	8151			

The Following is a list of accepted test methods approved by the Oneida Herkimer Solid Waste Authority. The Authority will accept similar certifiable methods beyond what is listed.

Lab analysis will only be accepted from by an ELAP certified lab. The ELAP number should appear on the analysis report. The sample number, Location of waste and date should appear on each page per the NYS DOH ELAP certification manual.