

**DEVELOPMENT AUTHORITY OF THE NORTH COUNTRY  
SOLID WASTE MANAGEMENT FACILITY  
RODMAN, NY  
SPECIAL WASTE ANALYTICAL REQUIREMENTS**

The following testing guidance has been prepared to provide testing requirements for specific special wastes. Please consult with Solid Waste Management Facility Staff should you have any questions about appropriateness of the required testing. A summary of analytical methods, acceptable parameters/levels and standards has been included in Appendix A (Page 5).

**CONTAMINATED SOILS & SEDIMENTS (VIRGIN PRODUCTS)**

<b>Gasoline Contaminated Soils</b>	<b><u>Testing Requirements</u></b> Flash point/Ignitability Paint Filter TCLP Volatiles TCLP Lead	<b><u>Acceptable Level:</u></b> >100 #C Non-Ignitable ND <1.0 Refer to Appendix A <5.0 mg/L
<b>Diesel Fuel, Kerosene, Heating Oil, Hydraulic Oil</b>	<b><u>Testing Requirements</u></b> Flash point/Ignitability Paint Filter Test TCLP Semi-Volatiles	<b><u>Acceptable Level:</u></b> >100 #C Non-Ignitable ND <1.0 Refer to Appendix A
<b>Waste Oils</b>	<b><u>Testing Requirements</u></b> TCLP Metals TCLP Volatiles TCLP Semi-Volatiles Total PCB's Reactivity Paint Filter Flash point/Ignitability Corrosivity	<b><u>Acceptable Level:</u></b> Refer to Appendix A Refer to Appendix A Refer to Appendix A ND <20 ug/kg (20 PPB) Cyanide <250 ppm, Sulfide < 500 ppm ND <1.0 >100 #C Non-Ignitable pH >2 or < 12.5
<b>Unkown Release</b>	<b><u>Testing Requirements</u></b> TCLP Metals TCLP Volatiles TCLP Semi-Volatiles Total PCB's Reactivity Paint Filter Flash point/Ignitability Corrosivity TCLP Pesticides TCLP Herbicides	<b><u>Acceptable Level:</u></b> Refer to Appendix A Refer to Appendix A Refer to Appendix A ND <20 ug/kg (20 PPB) Cyanide <250 ppm, Sulfide < 500 ppm ND <1.0 >100 #C Non-Ignitable pH >2 or < 12.5 Refer to Appendix A Refer to Appendix A

**OTHER CONTAMINATED SOILS & SEDIMENTS**

<b>Coal Tar</b>	<b><u>Testing Requirements</u></b> TCLP Metals TCLP Volatiles TCLP Semi-Volatiles Total PCB's Reactivity Paint Filter Flash point/Ignitability Corrosivity TCLP Pesticides TCLP Herbicides	<b><u>Acceptable Level:</u></b> Refer to Appendix A Refer to Appendix A Refer to Appendix A ND <20 ug/kg (20 PPB) Cyanide <250 ppm, Sulfide < 500 ppm ND <1.0 >100 #C Non-Ignitable pH >2 or < 12.5 Refer to Appendix A Refer to Appendix A
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**PCB Impacted Material**

**Testing Requirements**

**Acceptable Level:**

Total PCB's ND <20 ug/kg (20 PPB)  
Additional testing may be required depending on the potential for other  
contaminants. SWMF shall review with NYSDEC Solid Waste Engineer.

**SLUDGES & RELATED WASTES**

**Publicly Owned Treatment  
Works (POTW)**

**Testing Requirements**

**Acceptable Level:**

TCLP Metals Refer to Appendix A  
TCLP Volatiles Refer to Appendix A  
Total PCB's ND <20 ug/kg (20 PPB)  
Reactivity Cyanide <250 ppm, Sulfide < 500 ppm  
Paint Filter ND <1.0  
Flash point/Ignitability >100 #C Non-Ignitable  
Corrosivity pH >2 or < 12.5

**POTW Grit/Screening**

**Testing Requirements**

**Acceptable Level:**

TCLP Metals Refer to Appendix A  
TCLP Volatiles Refer to Appendix A  
Total PCB's ND <20 ug/kg (20 PPB)  
Reactivity Cyanide <250 ppm, Sulfide < 500 ppm  
Paint Filter ND <1.0  
Flash point/Ignitability >100 #C Non-Ignitable  
Corrosivity pH >2 or < 12.5

**Industrial Waste Water  
Treatment Sludge**

**Testing Requirements**

**Acceptable Level:**

TCLP Metals Refer to Appendix A  
TCLP Volatiles Refer to Appendix A  
TCLP Semi-Volatiles Refer to Appendix A  
Total PCB's ND <20 ug/kg (20 PPB)  
Reactivity Cyanide <250 ppm, Sulfide < 500 ppm  
Paint Filter ND <1.0  
Flash point/Ignitability >100 #C Non-Ignitable  
Corrosivity pH >2 or < 12.5

**Food Processing Sludge**

**Testing Requirements**

**Acceptable Level:**

Paint Filter ND <1.0

**Petroleum Derived Sludge**

**Testing Requirements**

**Acceptable Level:**

TCLP Metals Refer to Appendix A  
TCLP Volatiles Refer to Appendix A  
TCLP Semi-Volatiles Refer to Appendix A  
Total PCB's ND <20 ug/kg (20 PPB)  
Reactivity Cyanide <250 ppm, Sulfide < 500 ppm  
Paint Filter ND <1.0  
Flash point/Ignitability >100 #C Non-Ignitable  
Corrosivity pH >2 or < 12.5

**Other Industrial Sludge**

**Testing Requirements**

**Acceptable Level:**

TCLP Metals Refer to Appendix A  
TCLP Volatiles Refer to Appendix A  
TCLP Semi-Volatiles Refer to Appendix A  
Total PCB's ND <20 ug/kg (20 PPB)  
Reactivity Cyanide <250 ppm, Sulfide < 500 ppm  
Paint Filter ND <1.0  
Flash point/Ignitability >100 #C Non-Ignitable  
Corrosivity pH >2 or < 12.5

**COMBUSTION RESIDUE**

**Coal Ash (Bottom & Fly Ash)**

**No Testing Required**

**Medical Incinerator Ash**

**Testing Requirements**

TCLP Metals  
Paint Filter

**Acceptable Level:**

Refer to Appendix A  
ND <1.0

**MSW Incinerator Ash**

**Testing Requirements**

TCLP Metals  
Paint Filter

**Acceptable Level:**

Refer to Appendix A  
ND <1.0

**Refractory Material  
(brick, flue lining, etc.)**

**No testing if fuel source is fossil fuel based.**

**Refractory Material  
(brick, flue lining, etc.)**

**Testing Requirements**

TCLP Metals  
Applies if fuel source is waste oil or if furnace is associated with an industrial process.

**Acceptable Level:**

Refer to Appendix A

**METALLURGICAL PROCESS RESIDUES**

**Foundry Sand**

**Testing Requirements**

TCLP Metals  
Total Phenols  
Paint Filter  
If coolants or solvents are used in the process, include the following:  
TCLP Volatiles  
TCLP Semi-Volatiles

**Acceptable Level:**

Refer to Appendix A  
< 10 ppm  
ND <1.0  
Refer to Appendix A  
Refer to Appendix A

**Grindings / Shavings**

**Testing Requirements**

TCLP Metals  
Reactivity  
Paint Filter  
If coolants or solvents are used in the process, include the following:  
TCLP Volatiles  
TCLP Semi-Volatiles

**Acceptable Level:**

Refer to Appendix A  
Cyanide <250 ppm, Sulfide < 500 ppm  
ND <1.0  
Refer to Appendix A  
Refer to Appendix A

**Sandblast Sand & Residue**

**Testing Requirements**

TCLP Metals  
Paint Filter

**Acceptable Level:**

Refer to Appendix A  
ND <1.0

**Air Emission Control Dust**

**Testing Requirements**

TCLP Metals  
TCLP Volatiles  
TCLP Semi-Volatiles  
Reactivity  
Paint Filter  
Flash point/Ignitability  
Corrosivity

**Acceptable Level:**

Refer to Appendix A  
Refer to Appendix A  
Refer to Appendix A  
Cyanide <250 ppm, Sulfide < 500 ppm  
ND <1.0  
>100  $\mu$ C Non-Ignitable  
pH >2 or < 12.5

**MISCELLANEOUS**

**Railroad Ties and  
Creosote Treated Wood**

**Testing Requirements**  
TCLP Semi-Volatiles  
Total PCB's

**Acceptable Level:**  
Refer to Appendix A  
ND <20 ug/kg (20 PPB)

**Auto Shredder Waste (Auto Fluff)**

**Testing Requirements**  
TCLP Metals  
TCLP Volatiles  
TCLP Semi-Volatiles  
Total PCB's  
Reactivity  
Flash point/Ignitability  
Corrosivity  
Minimum of 3 representative composite samples. Sampling protocol may vary.  
May involve additional analyses, site visit and more sampling.

**Acceptable Level:**  
Refer to Appendix A  
Refer to Appendix A  
Refer to Appendix A  
ND <20 ug/kg (20 PPB)  
Cyanide <250 ppm, Sulfide < 500 ppm  
>100 #C Non-Ignitable  
pH >2 or < 12.5

**Treated Regulated Medical Waste or  
Treated and Destroyed Medical Waste**

Consult SWMF Staff. Regulated Medical Waste Treatment Certificate and SWMF Special Waste Profile Form must be completed. Generator must be approved by the SWMF.

**Empty Tanks**

No testing is required, but statement about what type of product the tank held and how it was cleaned is required. Both ends need to be cut off and the tank is required to be crushed.

**NOTES:**

Analytes within 70% of the MCL levels may be subject to resampling at the Development Authority's discretion.

**PCB's must be tested at a non-detect level down to 20 PPB.** (This detection level needs to be brought to the attention of the lab performing the analysis, as the lab may not be able to test down to the 20 PPB level).

TCLP analyses listed for municipal and industrial sludges need to be repeated on an annual basis. TCLP analyses will need to be repeated for Industrial sludges if the process changes anytime during the year.

Part 360 Regulations require a minimum of 20% solids with no evidence of free liquid.

The lab analysis needs to be done by an "ELAP" certified or "NELAP" accredited laboratory. The "ELAP" or "NELAP" number should appear on the analytical report. The Sample Number, location of waste, and date of sample should appear on each page.

Herbicides & Pesticides testing may be waived upon request. To enable the SWMF Staff to waive the testing for pesticides or herbicides a letter from the generator stating that pesticides and herbicides were never used or stored in the area of excavation or during the process is required.

**Appendix A**  
**Analytical Methods, Parameters, and Standards**

**DEVELOPMENT AUTHORITY OF THE NORTH COUNTRY**  
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**RODMAN, NY**

<u>Corrosivity:</u>	NACE Standard TM-01-69; pH	Limit= 2 Std. Units<X< 12.5 Std. Units
<u>Ignitability:</u>	Flashpoint (Pensky-Martens)	Limit = 60° C or 140° F
<u>Reactivity:</u>	Cyanide Sulfide	Cyanide Guidance Value = 250 ppm Sulfide Guidance Value = 500 ppm

**TCLP Metals**

Arsenic	5 mg/l
Barium	100 mg/l
Cadmium	1 mg/l
Chromium	5 mg/l
Lead	5 mg/l
Mercury	0.2 mg/l
Selenium	1 mg/l
Silver	5 mg/l

**TCLP Volatiles**

Benzene	0.5 mg/l
Carbon Tetrachloride	0.5 mg/l
Chlorobenzene	100 mg/l
Chloroform	6 mg/l
1,4-Dichlorobenzene	7.5 mg/l
1,2-Dichloroethane	0.5 mg/l
1,1-Dichloroethylene	0.7 mg/l
Methyl Ethyl Ketone	200 mg/l
Tetrachloroethylene	0.7 mg/l
Trichloroethylene	0.5 mg/l
Vinyl Chloride	0.2 mg/l

**TCLP Semi-Volatiles**

o-Cresol	200 mg/l
m-Cresol	200 mg/l
p-Cresol	200 mg/l
Cresol	200 mg/l
2,4-Dinitrotoluene	0.13 mg/l
Hexachlorobenzene	0.13 mg/l
Hexachlorobutadiene	0.5 mg/l
Hexachloroethane	3 mg/l
Nitrobenzene	2 mg/l
Pentachlorophenol	100 mg/l
Pyridine	5 mg/l
2,4,5 - Trichlorophenol	400 mg/l
2,4,6 - Trichlorophenol	2 mg/l

**TCLP Herbicides**

2,4-D	10 mg/l
2,4,5-TP (Silvex)	1 mg/l

**TCLP Pesticides**

Chlordane	0.03 mg/l
Endrin	0.02 mg/l
Heptachlor (and its hydroxide)	0.008 mg/l
Lindane	0.4 mg/l
Methoxychlor	10 mg/l
Toxaphene	0.5 mg/l

**Total PCB's**

EPA Method 8082    ND <20 ug/kg (20 PPB)

**Paint Filter Liquids Test**

Liquid collection after 5 minutes – Fail