

**VERMONT RESIDUALS MANAGEMENT REPORT for
TOXICITY CHARACTERISTIC LEACHING PROCEDURE ("TCLP") ANALYSIS RESULTS**

PERMITTEE: _____

SOLID WASTE ID NUMBER: _____

Laboratory Sample ID Number: _____ Date Sampled: _____

Laboratory Name: _____

For Metals (check one): Analytical Results Mathematical Demo

ATTACH LABORATORY SHEETS

CONSTITUENTS	RESULTS	UNITS	STANDARD	UNITS
--------------	---------	-------	----------	-------

Metals

Arsenic (As)			5.0	mg/l
Barium (Ba)			100.0	mg/l
Cadmium (Cd)			1.0	mg/l
Chromium (Cr)			5.0	mg/l
Lead (Pb)			5.0	mg/l
Mercury (Hg)			0.2	mg/l
Selenium (Se)			1.0	mg/l
Silver (Ag)			5.0	mg/l

Organics, Pesticides & Herbicides

Endrin			20.0	ug/l
Lindane			400.0	ug/l
Methoxychlor			10,000.0	ug/l
Toxaphene			500.0	ug/l
2,4 - D			10,000.0	ug/l
2,4,5 - TP Silvex			1,000.0	ug/l
Benzene			500.0	ug/l
Carbon Tetrachloride			500.0	ug/l
Chlordane			30.0	ug/l
Chlorobenzene			100,000.0	ug/l
Chloroform			6,000.0	ug/l
o-cresol			200,000.0	ug/l
m-cresol			200,000.0	ug/l
p-cresol			200,000.0	ug/l
Cresol (Total)			200,000.0	ug/l
1,4-Dichlorobenzene			7,500.0	ug/l
1,2-Dichloroethane			500.0	ug/l
1,1-Dichloroethylene			700.0	ug/l
2,4-Dinitrotoluene			130.0	ug/l
Heptachlor			8.0	ug/l
Heptachlor epoxide			8.0	ug/l
Hexachlorobenzene			130.0	ug/l
Hexachlorobutadiene			500.0	ug/l
Hexachloroethane			3,000.0	ug/l
Methyl ethyl ketone			200,000.0	ug/l
Nitrobenzene			2,000.0	ug/l
Pentachlorophenol			100,000.0	ug/l
Pyridine			5,000.0	ug/l
Tetrachloroethylene			700.0	ug/l
Trichloroethylene			500.0	ug/l
2,4,5-Trichlorophenol			400,000.0	ug/l
2,4,6-Trichlorophenol			2,000.0	ug/l
Vinyl chloride			200.0	ug/l

**VERMONT RESIDUALS MANAGEMENT REPORT for
TOXICITY CHARACTERISTIC LEACHING PROCEDURE ("TCLP") ANALYSIS RESULTS**

INSTRUCTIONS

Laboratory Sample ID Number: Enter the number assigned to the sample by the lab that ran the analysis. This number is found on the laboratory's results report sheet.

Date Sampled: Enter the date on which the biosolids sample was taken, not the date that the lab ran the analysis or reported the results.

Laboratory Name: Enter the name of the laboratory that completed the analysis.

For Metals: Check [**X**] the appropriate box for how compliance with the TCLP standards for the regulated metals is demonstrated. For the regulated metals only, a mathematical demonstration of passing TCLP is allowed. This calculation determines what the metals' concentration in the TCLP extract fluid would be if 100% of the metals are extracted.

To convert from ug/l to mg/l use the following formula: $\text{ug/l} \div 1000 = \text{mg/l}$

MATHEMATICAL DEMONSTRATION OF TCLP - METALS ONLY

$$[\text{worst case}] = [\text{metal}] / (((19 * \% \text{ TS}) + 100) * (\% \text{ TS}))$$

where: [worst case] = the concentration of the pollutant in the TCLP extract fluid if 100% extraction

[metal] = the total concentration of the pollutant in the biosolids, in units of mg/kg, dry weight

%TS = percent total dry solids in th sample, expressed as a whole number (i.e. for 4.5% solids use 4.5, not 0.045)

Please note again, that this mathematical demonstration is valid only for the regulated metals. A sample must be subjected to the complete extraction and analysis procedure for the organic chemicals and pesticides/herbicides regulated under the toxicity characteristic standard, and for any metal where the worst case concentration calculated using the formula above exceeds the corresponding toxicity characteristic standard. The toxicity characteristic standards are listed on the front of this form.

Compare all analytical results to the corresponding regulatory standard and discuss the results on Part D of the quarterly report forms.

ATTACH LAB SHEETS TO THIS REPORT FORM