

TCLP- Toxicity Characteristic Leaching Procedure

TCLP is a chemical analysis used to determine whether there are hazardous elements present in a site of interest. The test involves a simulation of leaching through a landfill and can provide an assesment that can prove if the site is hazardous to the environment and can be used for appropriate remedial action to minimize health risks and environmental pollution. Soil Samples were collected from two sites: Treatment Facility Excavation Site and Site Top Soil (both located in the excavation area of the Beaver Creek Clean River Project) and Analysis was done by Pace Analytical, NELAP Accredited laboratory, none of the TCLP contaminant was detected in either sample.

Metals TCLP	Results mg/L	TCLP Regulatory Level mg/L	Semivolatile Organics TCLP	Results mg/L	TCLP Regulatory Level mg/L
Arsenic	<0.026	5.0	1,4-Dichlorobenzene	<0.00039	7.50
Barium	<1.00	100.00	2,4-Dinitrotoluene	<0.00035	0.13
Cadmium	<0.0015	1.00	Hexachloro-1,3-butadiene	<0.00046	0.50
Chromium	<0.0056	5.00	Hexachlorobenzene	<0.00035	0.13
Lead	<0.011	5.00	Hexachloroethane	<0.00043	3.00
Mercury	<0.00010	0.20	2-Methylphenol (o-Cresol)	<0.00030	200.00
Selenium	<0.036	1.00	3 & 4-Methylphenol (m&p Cresol)	<0.00036	200.00
Silver	<0.050	5.00	Nitrobenzene	<0.00050	2.00
Pesticides TCLP	Result mg/L	TCLP Regulatory Level, mg/L	Pentachlorophenol	<0.0034	100.00
			Pyridine	<0.00069	5.00
Lindane(gamma-BHC)	<0.000021	0.40	2,4,5-Trichlorophenol	<0.00034	400.00
Chlordane	< 0.00094	0.03	2,4,6-Trichlorophenol	<0.00033	2.00
Endrin	<0.000033	0.02	Volatile Organics TCLP	Result mg/L	TCLP Regulatory Level, mg/L
Heptachlor	<0.000022	0.01			
Heptachlor epoxide	<0.000023	0.01	Benzene	<0.0029	0.50
Methoxychlor	0.000091	10.00	2-Butanone (MEK)	<0.0026	200.00
Toxaphene	0.0013	0.50	Carbon tetrachloride	<0.0016	0.50
Chlorinated Herbicides TCLP	Result mg/L	TCLP Regulatory Level, mg/L	Chlorobenzene	<0.0029	100.00
			Chloroform	<0.0028	6.00
2,4-D	< 0.0050	10.00	1,2-Dichloroethane	<0.0020	0.50
2,4,5-TP (Silvex)	<0.00012	1.00	1,1-Dichloroethene	<0.0027	0.70
			Tetrachloroethene	<0.0026	0.70
			Trichloroethene	<0.0024	0.50
			Vinyl chloride	<0.0024	0.20