Class I Waste Declassification

Slop solids waste from an ongoing oilfield operation was tested for leachable BTEX, metals, flashpoint and pH to meet receiving criteria as non-hazardous waste at a Class II Landfill disposal facility. Exceedances were noted for BTEX and Flashpoint indicating high concentrations in solid waste. The waste was classified as hazardous material intended for a Class I Hazardous waste disposal facility. BioLogix was successfully used to remediate the waste with leachable data including flashpoint now passing as non-hazardous (see data results below).

Fig 1: *Oilfield Waste (Slop Solids) initially classified as hazardous waste material*

Project ID: Hazardous Waste Declassification

14 Day Treatment

	Unit	Criteria*	Baseline	Class II Treated
Benzene - TCLP Leachate	mg/l	0.5	2.6	<0.01
Toluene - TCLP Leachate	mg/l	0.5	3.9	<0.01
Ethylbenzene - TCLP Leachate	mg/l	0.5	0.59	<0.01
Total Xylenes - TCLP Leachate	mg/l	0.5	1.8	0.04
pH - 1:2	pH	2-12.5	10.2	9.8
Flash Point	˚C	>61	28	>75
Paint Filter		Solid waste	Solid Waste	Solid Waste

Notes:

BL - Below Limit

*Criteria used - Class II Landfill disposal criteria (Alberta Users Guide for Waste Managers, 1995)

Highlighted values indicates the sample concentration exceeds referenced criteria
Referenced laboratory analytical reports Lot #1111626 &
1152178

Within 14 days of treatment, hazardous waste material containing high hydrocarbon concentrations was declassified to non-hazardous for cheaper disposal.