MINERALS TECHNOLOGIES

CETCO ENERGY SERVICES
A Minerals Technologies Company

Concrete

Muddog SlurrySep™

Concrete Wastewater Solutions

SlurrySep are reactive separating agents composed of minerals, pH adjusting components and polymers. They are specially blended high efficiency formulas designed to remove high levels of suspended solids from wastewaters generated from concrete-related applications.

Features & Benefits

- Replaces high collection, handling, hauling and disposal costs
- Protects from environmental fines
- Rapid separation of suspended concrete fines in water allowing recycling of water or compliant disposal

How It Works

1. Chemical components of the SlurrySep adjust the pH of the water which enhances the precipitation of metals and breaks oil emulsions.
2. Bentonite clay particles attract and encapsulate precipitated metallic ions.
3. The polymeric portion of the formulation attracts remaining oils and suspended solids and forms a floc, which settles to the bottom of the treatment vessel.
4. The bentonite clay and polymer work together to create a strong filterable floc, which will encapsulate and contain heavy metals while allowing the floc to readily release water resulting in a condensed thickened sludge like material.
5. The entire process is completed in just a few minutes, resulting in clear water that can be discharged directly to a POTW or recycled.
6. The remaining sludge and its encapsulated contaminants are highly resistant to leaching and is prepared to be solidified for compliant landfill disposal.

You may add Muddog SlurryDry™ to the remaining thickened sludge material to dehydrate the remaining moisture and creating a safe material for standard disposal that meets the requirements for the EPA 9095B Paint Filter Test for adequate moisture levels. SlurryDry's main ingredient is EPA compliant as an acceptable non-biodegradable sorbent. SlurryDry adds further encapsulation of contaminants and is highly resistant to leaching providing a cost effective method of safe disposal.

Important Notice

All wastewater may not be compliant for landfill disposal even after treatment methods due to hazardous levels of non-allowed contaminates. Wastewater from plating shops and industrial chemical manufacturing facilities will require wastewater analysis to determine the proper disposal method if applicable. Our laboratories can provide an analysis of sample wastewater taken from a project to determine levels of contaminates and design as disposal suggestion for complaint disposal if applicable.

Please contact:

CETCO Energy Services Wastewater Laboratory
2870 Forbs Avenue
Hoffman Estates, IL 60192

Technical Specifications

Formulation #	Particle Type	Bulk Density (lbs./ft³)	pH (1% dispersion)
SlurrySep HPH1	Granular	65 ± 2	2.5 - 3.5
SlurrySep HPH2	Granular	65 ± 2	2.5 - 4.0
SlurrySep LPH1	Semi-Granular	70 ± 2	2.5 - 4.5
SlurrySep LPH2	Granular	70 ± 2	3.0 - 4.0