Filter Bag for Construction Site Dewatering Guide

FILTER BAG

Dredge Pumped In

Clean Water Leeches Out
1.0 Proper Bag Size

1) Several factors impact bag size and bag type:
   a) Flow rate of your pump.
   b) Type and particle size of the sediment.
   c) Trial and error is the standard method for determining size and type.
2) US Filter Bags are made from an 8 oz. nonwoven geotextile.
3) Standard Sizes:
   a) 10 ft. x 15 ft.
   b) 15 ft. x 15 ft.
4) If our standard dewatering bags do not work, we can discuss a custom bag.

2.0 Place Filter Bags

1) Place the dewatering bag on a relatively flat surface or in a dump truck or similar containment vehicle.
   a) Sloped surfaces are not recommended as the bag may roll.
   b) To improve the performance of dewatering bags, consider placing them on a porous surface such as hay bales or aggregate.
      i) Make sure to choose a material that will not damage the bags.

3.0 Attach Discharge Hose

1) US Filter Bags are closed bags designed to handle a discharge hose from 2 to 4 inches in size.
2) Use a utility knife to cut a slit in the bag.
3) Insert the hose.
4) Secure with:
   a) Clamp
   b) Tie
   c) Tape

4.0 Water Runoff

1) Guide water runoff to the nearest stream, pond or inlet.
   a) Avoid causing any erosion.

5.0 Monitor Use

1) US Filter Bags are rugged, but not indestructible.
2) Monitor pump rate and sediment concentration to avoid bag failure.
6.0 Disposal

1) Options include:
   a) Filter bag can be buried in place.
   b) Filter bag can be taken full to the proper landfill.
   c) Filter bag can be cut open and the sediment removed and disposed of properly.

7.0 Storage

1) Contractor must insure bags are adequately protected from:
   a) Moisture
   b) Ultraviolet radiation
   c) Chemicals that are strong acids or bases
   d) Temperatures in excess of 140°F
   e) Animal destruction

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