

Hard-Piped Container Bag System

The Blue River Technologies Hard-Piped Container Bag System gives the Wastewater or Water plant operator a method of dewatering his sludge in a standard 20 or 30 yard land fill roll off. After filling the bag, the plant can send the roll off to the land fill; dump the bag and then, return the roll off to be reused.



This type of system is used for plants that need a system always ready to pump without having to set up a flocculator and lay out hoses. The sludge is pumped thru the flocculator and out to the dewatering pad underground. Then it flows up through a stand pipe and over and into whichever roll off is in use at that time.

Generally, the chain operated valves are used to switch from one roll-off to the other as desired. The hard-piped flocculator and polymer mixer will be set up in an adjacent building or a fiberglass chemical building installed next to the dewatering pad.



Many times multiple roll offs are staged so the operator can switch back and forth between roll offs to maximize the number of gallons pumped into each bag. Some pads are designed to hold 6-8 roll offs.



- A Blue River Technologies Port-A-Poly sits on a shelf just inside the building adjacent to the dewatering pad, or in the fiberglass building.
- The sludge is pumped from the digester over and into the chemical make down area.
- Usually, the sludge comes up through the floor. Sometimes a plug valve is installed on the inlet end of the flocculator.
- Polymer is pumped over and into the piping assembly just before the sludge enters the flocculator.
- The sludge passes thru the flocculator and then travels down and over to the dewatering pad standpipes.



- The hard piped flocculator assembly can be set up with a plug valve.
- In some cases, a flow meter will be installed to allow the operator to monitor flow rates and total flow thru the system. This allows very accurate record keeping of total gallons wasted per day thru the system.

With hard-piped system, we recommend modifying the roll off to include drainage netting fixed to the side walls and a drain mattress that include 4" drain pipes running from front to back. When the empty roll off returns from the land fill you only need to put in a new bag and you're good to run it again.



With the right flocculant and equipment, the effluent that flows from the roll off will be clean and free of solids. It will be necessary to return this effluent to the head works of the plant.



When full, the Blue River Technologies 20/30 yd container bag will hold 15 tons of de-watered solids. The solids will pass paint filter tests and can be disposed of at an approved landfill.



"The Leader In Geotextile Sludge Dewatering Systems"

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