

## Basic Container Bag System

The Basic Container Bag System can utilize an existing drying bed or a concrete dewatering pad with drain back to the head works.

- The flocculator is moved out to the dewatering pad when needed.
- The fill hose is hooked up to the container bag fill pipe with camlock fittings.
- The sludge pump discharge is hooked up to the inlet on the flocculator (*Red Hose in this picture*).
- The polymer solution line, (*Black Hose running out to the Flocculator*) is hooked up to the flocculator and hooked to the discharge of the Port-A-Poly. (*In this installation, the Port-A-Poly is inside the main building.*)



In this installation, a submersible pump is dropped down into the digester. This plant only needs to dewater 3-4 times per year.

- A 1/2 HP 110VAC sludge pump works well to pump from the bottom of the digester up to the pad.



- A Blue River Technologies Port-A-Poly sits on a shelf just inside the door of the main building.
- A 1" Black Reinforced hose attaches with cam lock fittings to the discharge of the polymer make down unit and runs a distance of approximately 75 feet out to the flocculator set up next to the pad.
- It only takes about 1/2 hour to set up the sludge pump, flocculator, and Polymer system and begin pumping. The sludge pump will pump at about 75 gallons per minute.
- At 4500 gallons per hour the digester can be emptied in only a few hours pumping.



- Sludge is pumped thru the flocculator and into the bag using a 4" Fill hose with cam lock fittings and a 4" PVC Fill tube that stays in the bag until it is full and ready to be hauled to the landfill.
- Clean water flows from the roll off and into the drain.





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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