

Stormwater Compliance through Passive Media

Blue Filter Gabions (BFG)
Patent Pending

Blue Filter Gabions by Gullywasher™

Here is another passive, organic choice for maintaining stormwater compliance — less expensive, less intrusive, and maintained by local labor. Blue Filter Gabions are a passive green stormwater treatment process that relies on natural materials for stripping out sediments, oils, nutrients, and metals from your stormwater. Gravity pushes the stormwater through its engineered filter bag, passing through the layers of compost, peat moss and gravel, filtering out the contaminants.

Simple in design and easy to maintain, Blue Filter Gabions requires no power, no chemicals, no active labor to be environmentally compliant.

Read a case study on the Blue Heron Paper Mill at www.gullywasher.com/papermill to see how this technology helped reduce cost while increasing environmental protection against heavy metals, total suspended solids, oil and grease.



- **Engineered to Be Green**

Our Blue Filter Gabions use sustainable, local, organic sources for media blends with no power or chemical requirements. The local labor force can easily monitor and maintain our Blue Filter Gabions.

- **Passive Filter Bags That Work Under Pressure**

We specially size our engineered filter bags to provide the first barrier for the stormwater to flow through. The suspended solids of which generates turbidity, nutrients, and metals will be caught on the outside of our filters – making it easy for their periodic removal.

- **Organic Compost Mix**

Our quick and easy laboratory testing allows for us to find the right regional compost suppliers with the correct type of compost that will filter effectively. All the while allowing the stormwater contaminants to be efficiently absorbed and neutralized. These contaminants include suspended solids, oils, nutrients, and metals.

- **Vulcanized Peat Moss (Metal Compliant Design)**

Peat moss has been used for decades for its superior absorbency. However, water does not flow through its matrix very efficiently. With our vulcanized process, the peat moss is reduced down to small hard beads while its internal sites are activated as sorption media for suspended and dissolved metals.

- **Pre-Treated Gravel to Provide Stability and Flow Patterns**

This gravel allows for the flow patterns within the medias to flow evenly through the gabions. The gravel weight provides structural stability during high storm flows.

- **A Simple Design That is Flexible to the Environment**

Our Blue Filter Gabions can be easily designed into a wide variety of site restrictions. They can be exposed to sunlight, placed into an underground vault, built into hillsides or shorelines...

- **Easy Media Replacement**

Simply open the gabion tops, uncover the media, and vac truck the media that is needed to be replaced. Rebed with new Gullywasher media and close up the gabions. There is no need for a specialized crew to travel to your site.

Gullywasher™

STORM WATER MANAGEMENT &
EROSION CONTROL PRODUCTS

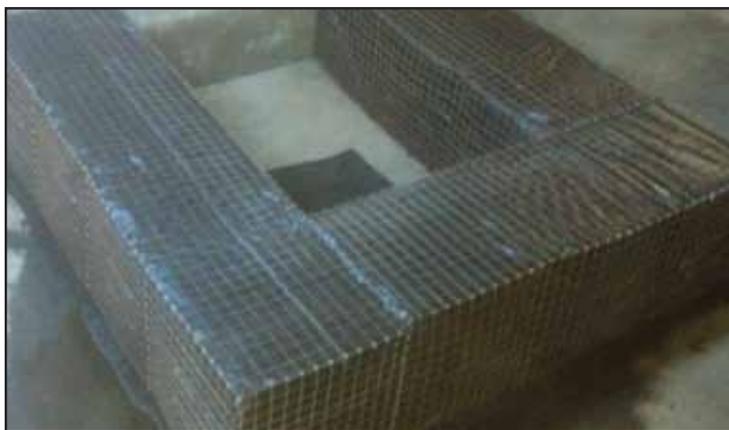
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Vault design with only one catch basin being active and protected by the BFG. The other 5 have been closed off.



The vault design using the vault wall to completely seal the catch basin from untreated stormwater.



Curved tanks walls do not cause an application problem for using BFG.



Hydraulic compost filter dam for a paper mill with the salmon ponding on the Willamette River 40' away.



The gabions in the front picture in a completed form.