



New Approach to Cleaning Dirty Water And Preventing Contaminants From Leaving Your Construction Site!

An Innovative Solution to Your Storm Water Turbidity Problems

Organic matter, pesticide and fertilizer residues, fines, and heavy metals (mercury and lead) carried by storm water runoff from construction and other exposed sites can wreak havoc in the areas where they are deposited. Contaminated soil, bodies of water, and wetlands cannot function normally, potentially creating far-reaching ecological problems.

Unfortunately, traditional methods of controlling runoff, while effective at slowing the velocity of the water and/or redirecting it into holding areas, can do nothing to address the problem of particulate matter carried in the water. These pollutants and fines are not filtered out by hay bales or silt fences, and they cannot settle out by gravity separation alone regardless of how long the water is retained.

Geo Environmental Inc. introduces a simple and economical solution to the problem of suspended pollutants. The Floc Log removes colloidal suspensions (including clay particulates) from storm water runoff using the latest technology.

How Does a Floc Log Remove Unwanted Material From Water?

A Floc Log is a semi-hydrated blended gel polyacrylamide and mineral block. It is a *flocculant*, an agent that when introduced into water carrying colloidal suspensions of natural and man-made pollutants causes the contaminants to clump together and drop out of suspension.

Floc Logs are placed at strategic points where a site's runoff can be directed to flow over them. The Floc Log is designed to be able to treat water at a base flow rate of 50 to 75 gallons per minute. Once situated and in contact with water, the Floc Logs slowly dissolve releasing minute quantities of matter that convert colloidal suspensions of pollutants into an insoluble form that cannot remain in suspension and that cannot re-dissolve and go into the ecosystem.

It gets the pollutants and dirt out and they stay out allowing the water to be immediately discharged. This increases the ease with which the pollutants may be collected and appropriately disposed of.

The Benefits That the Floc Log Provide Include:

- *The prevention of removed pollutants from re-suspending*
- *Reduced operational and clean-up costs*
- *A marked reduction in negative environmental impact and increased compliance with EPA regulations (including the Phase II Storm Water Act)*
- *Increased soil permeability (pores are created by the agglomeration of fine particles)*
- *Remarkable ease of installation*



Water Entering Swale 500 NTU



Water Entering Wetland 10 NTU



Site Specific Floc Log

- Over 40 different formulations tailored to the specific requirements of the site's water chemistry and soil composition.
- The only soil specific PAM's available in North America
- Available in two forms to better address your site's needs:
Clarifier Floc Log (colloidal water and fine particles)
Particle Floc Log (heavier particles)
- Rapid reaction times:
generally less than 75 seconds for clarifying, 10 to 30 seconds for particulate removal
- In-situ applications have proven cost effective with favorable results lasting for up to two years
- Non-Toxic to the Environment, Fish and Wildlife, will not change the soil's pH

FlocLoc Properties

Product Form	Semi-Hydrated Gel Polyacrylamide Block
Treatment Rate	50 to 75 Gallons per Minute
Active Ingredients	Based on Soil Chemistry
Composition	Proprietary Blends of Polymers and Minerals in an Inert Gel Base

Why Is the Floc Log Best at Cleaning Dirty Water?

Because of the advanced polymer chemistry behind Floc Logs and the proprietary additives in Floc Logs, each one can be *specifically formulated* to work with the specific chemical profiles of the soil and water at the site where it will be used.

Floc Logs are the ONLY polyacrylamide co-polymer flocculants available in North America that are Soil Specific. Competing products do not offer different formulations that work with varying soil compositions.

Testing the soil from the application site and determining the exact Floc Log to complement it is an innovative approach that stands in contrast to a one-size- fits-all, premixed product. Long lasting and economical, Floc Logs are the NEXT GENERATION of effective storm water management.

Our product provides the ULTIMATE PROTECTION against contamination of adjoining areas by efficiently removing pollutants and fines from runoff. By effectively removing these unwanted materials, Floc Logs greatly enhance compliance with EPA regulations and reduce the possibility of fines being levied.

You be the judge! We can arrange a FREE, no obligation analysis of your site's soil, and make specific recommendations for your site. Enhancement tools and engineering designs are also available. Please contact us for details.

Call now or visit our website!

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