

NEWS



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STORM-KLEAR ALLOWS CONTRACTORS TO COMPLY QUICKLY AND EASILY WITH STORMWATER REGULATIONS

Natural, Biodegradable Product Simplifies the Cleaning of Storm Water

REDMOND, WA, Nov. 6, 2001 –Natural Site Solutions (www.naturalsitesolutions.com) now makes it simple and easy to comply with increased regulations for stormwater released from construction sites to waterways. Until now, contractors were often forced to shut down during the winter months because they had no cost-effective means of bringing accumulated stormwater on project sites into compliance with water quality standards. When paired with filtration or gravity settling, Storm-Klear™ products from Natural Site Solutions effectively and easily treat stormwater discharged from construction sites to lakes and streams, allowing contractors to comply with water quality regulations and remain productive throughout the year, avoiding costly downtime.

"Last year Chaffey Homes, a leading Pacific Northwest developer of upscale homes, faced a mandatory shutdown of their 10-acre home development project in Sammamish, Washington, when they were unable to meet compliance for water quality. The shutdown would have thrown off the project's schedule until the following spring and would have required completely covering the soil.

"I tried Storm-Klear because nothing else we tried worked," said Ian Slater, Project Manager for Chaffey Homes. "Within one day of setting up the system, we were back in compliance and, with minimal upkeep, have maintained compliance every day since. Storm-Klear easily saved us over \$100,000 on this project as our only alternatives were to truck-haul the water offsite or build a temporary water treatment system."

Storm-Klear is available in both a gel and liquid form and is composed of chitosan, a natural biopolymer that coagulates suspended sediment particles in turbid, or dirty, stormwater. The treated water is then pumped to a particle removal system such as biofiltration or sand filtration, or to a settling tank or pond, resulting in reduced turbidity, phosphorous and metals in the water.

Having exhausted all their Best Management Practices for stormwater treatment, the Washington State Department of Fish and Wildlife recently used a Storm-Klear water treatment system on their Fox Creek Salmon Enhancement Project in Lacey, Washington.

"The water quality monitoring data collected during the project clearly shows that the Storm-Klear system reduced turbidity by up to 99.5%, which far exceeds the reductions achieved with our traditional Best Management Practices (BMPs)," said Steve Jenks, Environmental Specialist for the Washington State Department of Fish and Wildlife. "Throughout the project we were able to maintain compliance with state water quality standards with no impact to Endangered Species Act (ESA) listed species in the receiving waters. Water quality monitoring also indicated that neither pH, nor specific conductance were altered by the Storm-Klear treatment process."

Chitosan is a completely natural and biodegradable product derived from crab and shrimp shells, and is safe for fish and people alike when used in accordance with the manufacturer's recommendations. Storm-Klear is manufactured by Vanson, Incorporated, who for years has been selling Sea-Klear, which also contains the chitosan found in Storm-Klear, to the pool, spa and commercial aquarium industries.

Users of Storm-Klear appreciate its cost-effectiveness and ease of use, especially the "controlled dosing" of the gel product which doses stormwater continuously by releasing small amounts of its chitosan-based product into the water 24 hours a day. The effectiveness of Storm-Klear depends on the specific conditions of the site where it is being used as well as proper monitoring procedures. Because site conditions vary, each site will demand a slightly different approach. The requirements of the product in the gel form, however, are minimal as it eliminates the need for heavy barrels of liquid chemicals, electricity, and metering pumps.

About Natural Site Solutions

Natural Site Solutions markets the Storm-Klear line of natural chitosan-based products manufactured by Vanson, Incorporated for treating stormwater. Natural Site Solutions marketing services include products, support, and training. For additional information about Natural Site Solutions, call (425) 861-9499 or visit www.naturalsitesolutions.com.