



**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

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Martin O'Malley  
Governor

Shari T. Wilson  
Secretary

Anthony G. Brown  
Lieutenant Governor

Robert M. Summers, Ph.D.  
Deputy Secretary

October 21, 2009

Mr. Scott Perry, CPSWQ  
Sorbitive Products Manager  
Imbrium Systems Corporation  
9420 Key West Avenue, Suite 140  
Rockville, MD 20850

Dear Mr. Perry:

Thank you for your submission dated September 8, 2009 presenting Total Suspended Solids (TSS) test results for the Sorbitive™FILTER as requested by the Maryland Department of the Environment (MDE) during our September 3, 2009 meeting. The data you submitted indicate the TSS removal rate is 84%. This is in addition to your prior submission that presents a total phosphorous (TP) removal rate of over 70%. The data you submitted indicate that the Sorbitive™FILTER meets our 80% TSS and 40% TP standard.

In your letter dated September 21, 2009, you requested that the Jellyfish™ Fine Sediment Filter be classified as a polishing practice within an erosion and sediment control treatment train and for stormwater pretreatment, redevelopment, or retrofitting pending further field testing. We appreciate your offer to supply a mobile unit for field testing and evaluation as an erosion and sediment control practice and would like to continue dialogue with you regarding this application. Currently, Maryland's most pressing problem is addressing the fines associated with eroded soils (i.e., less than 2 microns). Your present test results indicate that the Jellyfish™ removes particles down to 15 microns. However, as our approach to erosion and sediment control evolves, we will remain open to further discussion as to how your product might play an effective role in addressing sediments from construction activities. Regarding the use of the Jellyfish™ for stormwater pretreatment, redevelopment, or retrofitting on an interim basis, the Jellyfish™ Fine Sediment Filter is approved provided it is accepted locally.

During our meeting, you asked if the Sorbitive™MEDIA can be approved for use within MDE approved practices in the Stormwater Infiltration and Filtering Systems category as well as Environmental Site Design (ESD) strategies and applications. Please recognize that ESD means "...using small-scale stormwater management practices, nonstructural techniques, and better site planning to mimic natural hydrologic runoff characteristics and minimizing the impact of land development on water resources."



Mr. Scott Perry, CPSWQ

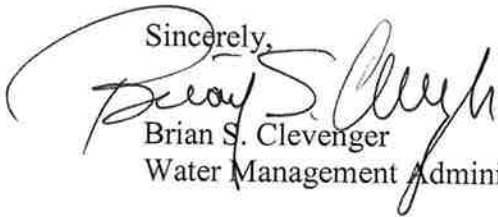
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While the Sorbtive™MEDIA may be substituted for or used in combination with sand media in filters and in micro-filters, it cannot be classified as ESD. When and where the Sorbtive™MEDIA is used, these practices must be designed to meet all MDE requirements for filtering devices as specified in Chapter 3 of the Manual including water quality volume, filter bed area, and pretreatment.

Thank you again for your submissions and we look forward to working with you in the future. If there are any questions concerning these issues, please contact me or Mary Dela Dewa at 410-537-3753 or toll free 800-633-6101, or via email at [mdewa@mde.state.md.us](mailto:mdewa@mde.state.md.us)

Sincerely,

  
Brian S. Clevenger  
Water Management Administration

