



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

December 28, 2018

Via Electronic Mail to Jeremy Fink at jfink@hydro-int.com

Mr. Jeremy Fink
Hydro International
94 Hutchins Drive
Portland, ME 04102

Re: **Downstream Defender**
The FDEP Innovative Technology Application Number: 1756

Dear Mr. Fink:

The Florida Department of Environmental Protection's Division of Water Resource Management (Division) hereby accepts Downstream Defender for nutrient reduction in surface water runoff. Downstream Defender is an advanced vortex separator designed to utilize the principles of swirl-enhanced gravity separation to remove Total Suspended Solids (TSS), trash, and hydrocarbons from storm water runoff.

While the Florida Department of Environmental Protection (FDEP) does not provide endorsement of specific or brand name remediation products or processes, it does recognize the need to determine their acceptability from an environmental standpoint with respect to applicable rules and regulations, and the interests of public health safety. Vendors, upon receipt of an acceptance, must market their product or process on its merits regarding performance, cost, and safety in comparison to competing alternatives in the marketplace. This acceptance letter shall not be construed as either an approval of the product or a certification of its performance.

Additionally, Department acceptance of any product or process does not imply it has been deemed applicable for all best management practices, or that it is preferred over other practices or techniques in any particular case. A site-specific evaluation of applicability and cost-effectiveness must be considered for any product or process, whether conventional or innovative, and adequate site-specific design details must be provided in an Environmental Resource Permit.

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It is not a requirement that a practice or process obtain an acceptance from the Department in order to be proposed for use in a site-specific Environmental Resource Permit, but the permit must contain information to show that it meets all applicable and appropriate rules and regulations. For Downstream Defender listed in this letter, a copy of this acceptance letter containing regulatory compliance advice should be included in the appendix of each site-specific Environmental Resource Permit that proposes its use.

The Department reserves the right to revoke its acceptance of a product or process if it has been falsely represented.

If you have any questions, contact James Landini at (850) 245-8035, through Mail Station 3595 at the letterhead address, or by e-mail at james.landini@floridadep.gov.

Sincerely,



James Landini P.E.
Professional Engineer II
Engineering, Hydrology, Geology
Division of Water Resource Management
Florida Department Environmental Protection
850-245-8911

ec: Brian Dougherty, Ph.D. – FDEP/Tallahassee - Brian.Dougherty@dep.state.fl.us