



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

JENNIFER CARROLL
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HERSCHEL T. VINYARD JR.
SECRETARY

February 20, 2013

Via Electronic Mail
info@bloomenvironmental.com

David Bloom
Bloom Environmental
7887 Bryan Dairy Road
Largo, Florida 33777

Re: Micropan Petrol

Dear Mr. Bloom:

The Division of Waste Management (Division) hereby accepts Micropan Petrol, a mixture of microorganisms, enzymes, and nutrients manufactured by Eurovix S.r.l. for the degradation of petroleum contaminants in soil. This acceptance applies to the use of Micropan Petrol in soil locations above the water table, at cleanup sites where conditions are such that chemical ingredients of regulatory interest in the Micropan Petrol will not percolate or leach into the underlying groundwater.

If a situation arises in which the Micropan Petrol could percolate or leach into the underlying groundwater, or there is a need to use the Micropan Petrol for the in situ cleanup of groundwater as well, then there are two options for seeking approval. One option is to include in a site-specific Remedial Action Plan the concentration of ammoniacal nitrogen, and the identity and concentration of each mineral salt in the Micropan Petrol to be applied, in order to determine which parameters, if any, must be monitored in the groundwater, or which must seek permission for a temporary injection zone of discharge if the application method is by injection. Another option that is probably better suited for the proprietary Micropan Petrol formulation is to make a one-time confidential submittal disclosing the concentration of ammoniacal nitrogen, and the identity and concentration of each mineral salt to the Division of Waste Management. Upon receipt of such a submittal, the Division will issue a superseding acceptance letter containing a voucher for the disclosure, and advice on how users can comply with regulatory requirements when Micropan Petrol is used below the water table.

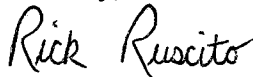
The Division does not provide endorsement of specific or brand name remediation products or processes, but it does recognize the need to determine their acceptability in the context of environmental regulations, safety and the protection of public health. For that reason, the Division issues an "acceptance" letter, not an approval. In no way shall an acceptance be construed as a certification of performance. Additionally, vendors, upon receipt of an

acceptance, must market their product or process on its own merits regarding performance, cost, and safety in comparison to competing alternatives in the marketplace.

Remedial Action Plans that propose the use of an accepted product or process should include a copy of the acceptance letter in the plan's appendix, and reference it in the text of the document. It is not a requirement that a particular remediation product or process have an official acceptance letter in order for it to be proposed in a site-specific Remedial Action Plan. The plan, however, must contain sufficient information about the product or process to show that it meets all applicable rules and regulations.

The Division reserves the right to revoke its acceptance of a product or process if it has been falsely represented. Additionally, Division acceptance of any product or process does not imply it has been deemed applicable for all cleanup situations, or that it is preferred over other treatment or cleanup 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 a Remedial Action Plan submitted for Department review and approval. If you have any questions, please contact Rick Ruscito at (850) 877-1133, extension 3722 or by e-mail at RRuscito@ene.com.

Sincerely,



Rick Ruscito, P.E.
Ecology and Environment, Inc.
Bureau of Petroleum Storage Systems
Petroleum Cleanup Program Section 6



Rebecca S. Lockenbach
FDEP Section Leader
Bureau of Petroleum Storage Systems
Petroleum Cleanup Section 6

c: Tom Conrardy, P.E. – FDEP/Tallahassee

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