



## **Effectiveness of Microbe-Lift® Bacteria Mixture in Bioremediation of Petroleum Contaminated Soils at Mostardi-Platt Plant**

January 4, 1993

Ecological Laboratories, Inc.  
P.O. Box 132  
Freeport, New York 11520

Attention: Mr. Barry Richter, President

Gentlemen:

Effectiveness of Microbe-Lift Bacteria Mixture in Bioremediation of Petroleum Contaminated Soils

MOSTARDI-PLATT ASSOCIATES, INC. (MPA) has prepared this letter to inform you of the preliminary results of a controlled experiment involving the full-scale field application of Microbe-Lift for remediation of petroleum contaminated soils. In this experiment, four relatively uniform soil cells, with volumes of approximately 30,000 cubic feet each, were to be remediated by bioremediation. The contamination involved was a heavy fraction of petroleum.

Three of the four cells have been treated using an application technique developed by MPA that incorporates the Microbe-Lift bacteria mixture, and the remaining cell was left in its natural state as an experimental control. No nutrients or enzymes were introduced to any of the four cells. The systems have since been closely monitored for indications of microbial decomposition of the petroleum product present in the soils. Data collected during the first two months of activity indicate a 78% increase in biodegradation of petroleum in the cells treated with Microbe-Lift, over the untreated cell. MPA will continue this experiment and inform you of the progress achieved using your product.

Sincerely,  
MOSTARDI-PLATT ASSOCIATES, INC.

Douglas M. Waring  
Environmental Engineer

DMW/bit

For more information on **MICROBE-LIFT®** Technology contact  
**Ecological Laboratories Inc.**  
[www.EcologicalLabs.com](http://www.EcologicalLabs.com)  
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