

# Sewer Line and Lift Station Solutions

**E<sup>4</sup>** | Eco-friendly.  
Economical.  
Efficient.  
Effective.



## Introducing MicroTab

A scientific approach to treat and maintain fast flowing sewer lines with the use of microorganisms, not free-enzymes.

Turn build up of  
Fat, Oil & Grease [FOG]  
into water & carbon dioxide

Permanently remove grease  
from collection systems

Reduce BOD's and FOG

Reduce labor expenses & jetting

Eliminate foaming issues  
in treatment plants



**MicroTab, the corrective and preventative solutions for sewer lines and lift stations.** Each tab is made of a proprietary formulation of vegetative bacteria, already in the adult form and does not need to go through the germination stage. This means, MicroTab works instantly -- eating buildup of Fats, Oils & Grease [FOG] in sewer lines and lift stations, turning it into water and carbon dioxide.

Current methods of treatment, such as jetting and pumping, have a negative impact on the environment and municipal treatment plants. Jetting does not remove gunky buildup, it blasts greasy buildup further down the line, creating the need to pump it out. Pumping requires additional disposal of grease in landfills. Both methods are short-term solutions, requiring significant labor cost, the use of expensive equipment and operation, and do not offer a long-term solution. MicroTab is the all-natural solution for corrective and preventative maintenance for municipal and private sewer lines and lift stations.

MicroTab by MicroSpring International is **not a free enzyme based product** which temporarily breaks apart buildup, pushing it further down the line. MicroTabs naturally eliminates and prevents buildup of material, creating a byproduct of water and carbon dioxide -- it is safe for septic and sewer systems.

### Proven To Perform



"After a thorough product review, we found MicroSpring's MicroTab to produce the best results, as compared to other products. We are not just planning to use them for grease hotspots, we using them in our pretreatment system program throughout our 600 sewer authorities."

**Marcel Mifuraca**  
Cluster Manager  
Ontario Clean Water Authority



"Within months we noticed positive results. MicroTab significantly reduced greasy buildup and foaming issues we battled with on a regular basis. It is cost-effective and proven to work. We will expand this program throughout our City."

**John Fitzgerald**  
Division Manager  
City of London, Canada



"By incorporating the use of MicroTabs in our prevention and maintenance programs we completely removed the FOG in the affluent coming from our head works building.

Simply put...we love them!"

**Al Walsh**  
Municipality  
Port Hope, Canada

# CASE STUDY

■ 22-May-10  
■ 26-Nov-10

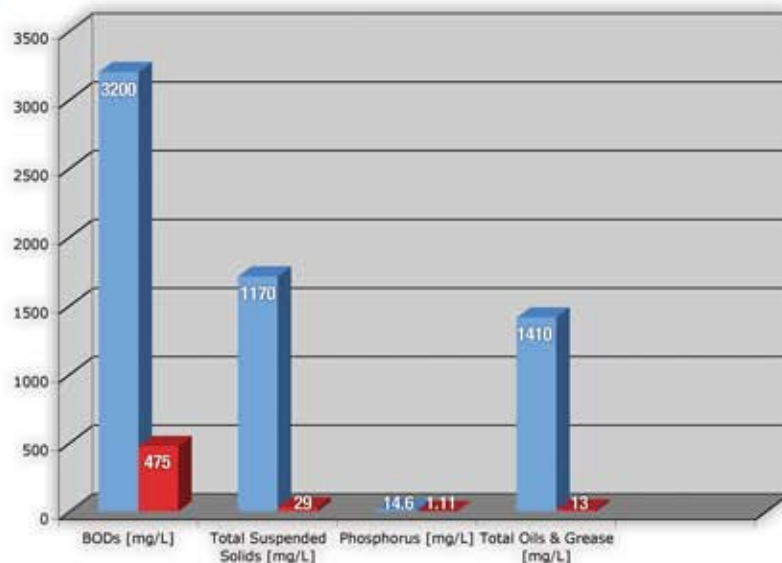
## ONTARIO CLEAN WATER AUTHORITY

**Situation:** A leading food processing facility was receiving BOD's between 3,000 to 6,000 and FOG's between 2,000 to 3,000 mg/L. The City of St. Mary's was surcharging the facility \$30,000 to \$40,000 a month for excessive BOD and FOG effluent.

**Program:** MicroSpring placed two MicroTabs between two sampling locations within the same sewer line to monitor untreated effluent going out of the plant and effluent downstream after the treatment over a 6-month period.

**Results:** MicroSpring successfully lowered BOD's from 3,200 to 475 and FOG's from 1,410 mg/L to 13 mg/L. The company's surcharges were reduced from \$30,000 to \$40,000 per month to \$0 per month and the test was made into a permanent service, where the company no longer pays a surcharge for effluent and is estimates to save \$360,000 to \$480,000 per year.

MicroTab Study | 2010



## Key facts to know about MicroTabs and their use.



### What makes MicroTabs different from other products?

The use of a proprietary formulation of vegetative bacteria. Bacteria is already in the adult form and does not need to go through the germination stage that typically takes 40 to 45 minutes. Vegetative bacteria will begin to work within seconds of being distributed into the environment.

### How can it create greater efficiencies at the treatment plant?

Pretreating the waste water closer to the source of pollution allows the preselected bacteria to digest and bioaugment the waste water treatment process before it reaches the plant. Therefore, the water is "cleaner" before it reaches the plant.

### How are the MicroTabs installed into the sewer lines and lift station?

Attach a nylon rope to the ladder rung of the manhole and attach a "D ring" to the other end. Hook mesh bag to the d ring. Lower microtab into the waste water. For lift stations, lower so microtabs are under the grease cap.

### Are the MicroTabs a replacement for maintenance jetting of sewer lines?

Yes, the MicroTabs will maintain a buildup free environment for 600 feet of sewer line.

### Can the MicroTab be used in a food service facility as a means to reduce FOG and BOD's in the affluent?

Yes, if the MicroTabs are placed in the inside grease trap and changed monthly, it can be used as a way to control the source of pollution.