

BAKERY AND SNACKS CASE HISTORIES

by Tracy Finnegan



BAKERY LIFT STATIONS

Grease in Lift Station



Grease in lift station
from Bakery

- Cookies, cakes,
pies



Lift station after only
2 weeks of
bioaugmentation
program

BAKERY WITH GREASE

- A bioaugmentation program with bioblocks and the supplemental addition of nutrients was implemented into a lift station at a bakery. This bakery had fought grease issues for years and had tried other chemical and biological products.



KEYS TO SUCCESSFUL PROGRAM

- Raise float to 1 inch above grease shelf
- Environmental MicroBlock program
- Addition of fertilizer 2 x per week (supplemental N and P)



BAKERY #2 COOKIES

Surcharge reduction in wetwell

Implementation of Biological products

6 hr retention time prior to discharge to city

Use of bioagumentation products, pH adjustment, and N and P addition

40-60% reduction in fees to city achieved for BOD removal

BAKED GOODS MANUFACTURING FACILITY #3 (CRACKERS, CEREAL, ETC.)

Bioaugmentation for troubleshooting

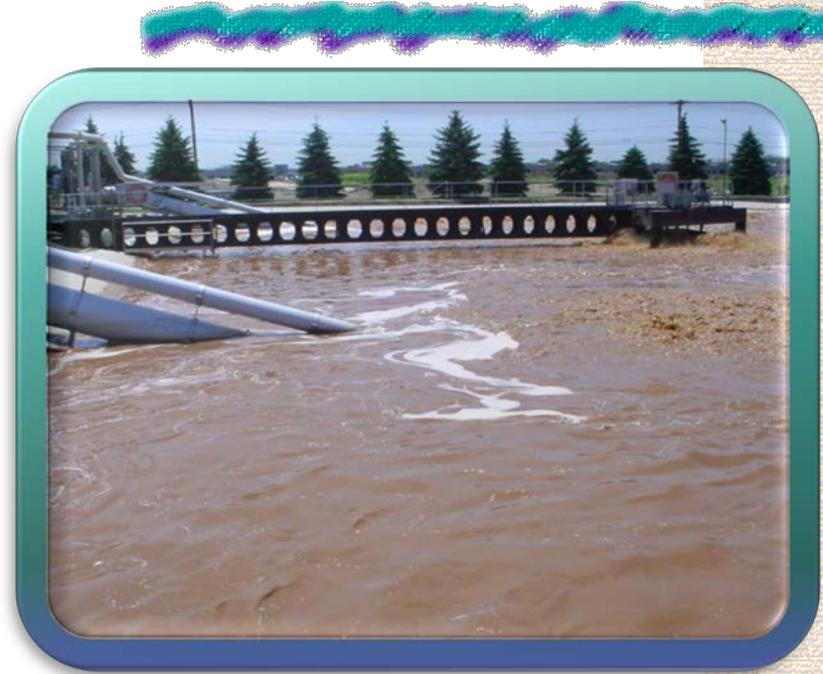
Filamentous bulking and foaming

High solids handling costs

Spills of specific chemicals



BAKED GOODS MANUFACTURING



Foaming before and after bioaugmentation

#4 Bakery Lift Stations



High levels of zooglea and slime in lift station due to oils and grease.

MicroClear® MicroBlock used to break down FOG.



Bakery Butters and Oils



Shortening, butter, oils and sprays are used at many bakeries. Use of MicroClear® Microblock in lift stations and MicroClear® 207 in drains easily will break down oils and grease and lower surcharges.



#5 Snack Factory East Coast



Oils from productions as well as lubricating oils causing high levels of organics

MicroClear® MicroBlock used in lift stations

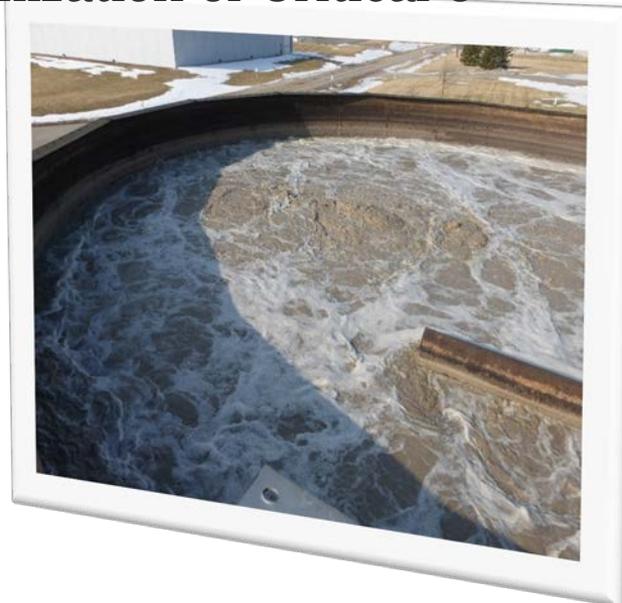


#6 Snack Factory Midwest



High foaming due to overload of BOD

Bioaugmentation w/
MicroClear® M100 and
MicroClear® 205 and
optimization of Critical 5



Questions



EnvironmentalLeverage.com

The screenshot shows the homepage of EnvironmentalLeverage.com. At the top, there is a 'Welcome' message and the company logo. A navigation menu on the left includes links for Products, Services, About Us, Contact Us, Site Map, and Training. The main content area features a large image with the text 'Environmental Expertise' and 'Onsite Audit and Consulting'. Below this, there is a section titled 'Quality Environmental Products and Services!' with a 'Learn More' button. A 'What's New' section mentions 'Virtual Audits'.

This screenshot shows the 'Mystery Bug of the Month' page for January 2008. The page features a 'Photo Gallery-Mystery Bug of the Month' header and a 'Workshop' section. The main content is a grid of photomicrographs of swimming ciliates. A 'Free swimming ciliates' section provides details about the images, stating they were taken from a wastewater sample and used various magnifications (100x, 400x, and 1000x). A 'Workshop' sidebar on the right mentions 'Higher Life Forms videos' and 'Training CD list'.

Training

Troubleshooting

Filamentous

Higher Life Forms

Products

Bug of the Month

Microscopic



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