

# Proactive Solutions for Waste Water Treatment: Grease Traps & Drain Lines

## The Challenge of Managing Waste Water

It is difficult to keep drain lines and grease traps free from blockages and odors, which are caused primarily from fats, oils and grease (FOG) and other organics found in waste water. Traditional maintenance methods do not solve the problem, and create additional issues for your business:

- ❑ Monthly or emergency pumping of grease traps is expensive, messy and may require total shut down of your site.
- ❑ Hydrojetting blocked lines is expensive, can cause damage to the infrastructure and is a reactive or emergency call measure.
- ❑ The use of harsh chemicals only breaks up FOG and pushes it further down the system, which causes corrosion in drain lines. It is also extremely harmful to the environment and violates sewer use bylaws.

None of these methods manage the cause of FOG or other organic buildup—they simply transfer the problem to your municipal sewer lines or to a central disposal facility. Depending on your municipality, you could face a sewer use non-compliance surcharge for exceeding FOG and BOD levels in your waste water effluent.

What if there was a way to reduce or eliminate the need for expensive procedures, while safely treating the cause of the problem instead of the symptoms?

## The Mac & Co. Proactive Approach

Using over 20 years of experience in waste water treatment, Mac & Co. has developed an integrated bioremediation solution that treats—and prevents—the buildup of fats, oils and grease (FOG). Eliminate or reduce blockages and odors by using safe microbial formulations that begin consuming FOG instantly upon contact of food source.

- ❑ Reduce maintenance costs. Our cost effective solution eliminates or reduces the need for expensive pumping, hydrojetting or harsh chemicals.
- ❑ Eliminate sewer use surcharges and environmental fines. Reduce the amount of FOG you contribute to the municipal sewer lines or waste disposal facilities and stop paying municipal and/or environmental fines.
- ❑ Protect the environment. Our drain line and grease trap formulation transforms FOG into water and carbon dioxide without creating any harmful byproducts.
- ❑ Create an integrated cleaning system. Included in our program are greener, safer kitchen and bathroom cleaning products that complement the drain line and grease trap formulation.
- ❑ Receive expert service and support. Our service program ensures your infrastructure is properly maintained so that emergency situations can be greatly reduced or eliminated.



# Reactive vs. Proactive: A Cost Comparison

What are you spending to maintain your drain lines and grease traps? One, 160 bed nursing home saved nearly \$12,120 annually by partnering with Mac & Co. to treat and service 1 line and 1 grease trap.

## Before: Reactive Method

Cost Components	Unit Cost	Quantity per Month	Monthly Total	Annual Total
Pumping of line and trap	\$525	1	\$525	\$3,720
Chemicals/Product used to try to keep lines and traps flowing	\$310	1	\$310	\$6,300
Hydrojetting the stacks				\$7,000
		<b>TOTAL</b>	<b>\$835</b>	<b>\$17,020</b>

## After: Proactive Method with Mac & Co.

Cost Components	Unit Cost	Quantity per Month	Monthly Total	Annual Total
Mac & Co. treatment and maintenance package	\$325	1	\$325	\$3,900
		<b>TOTAL</b>	<b>\$325</b>	<b>\$3,900</b>
		<b>SAVINGS</b>	<b>\$510</b>	<b>\$12,120</b>

Our proactive waste water treatment programs greatly reduce or eliminate the need for costly hydrojetting, pumping and harsh chemicals use. Let us customize an all-inclusive package that will meet your waste water treatment requirements.

*"We previously worked with another company that claimed to have the best digester product available, however, this company could not eliminate clogging in our plumbing stacks. We were forced to pay thousands to a plumbing company to pressure flush our stack. Within one month of working with Mac & Co., the clogging of the stack was eliminated. They also solved another challenge we were experiencing with our main pumping chamber. In the two years we have worked with Mac & Co., we have not had one plumbing related issue. All pipes and drains remain clear of any grease or buildup, and their monthly service inspections provide us with confidence that they will remain that way."*

Director, Building Operations for a Health Care group which operates 17 long term care homes throughout central and eastern Ontario.

Contact us today for a free consultation.

# Mac & Co.

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### Monthly maintenance package includes:

- ❑ Installation or top up of all treatments.
- ❑ Inspection of all grease traps and drain lines being treated.
- ❑ Maintenance of all equipment provided and in use.
- ❑ Opening and skimming grease traps if required.
- ❑ Follow up with maintenance staff to ensure everything is working properly.
- ❑ Detailed service report provided.
- ❑ Water sampling available (additional fee).

