By Susan Daywitt

Keeping FOG at Bay

The business impact of managing food-related grease

robust enforcement, the stakes are higher than ever. to greater environmental awareness, tightening regulations and more to food-related grease and solids, known as FOG. Managing it effectively has been on your agenda since day one; however, due f you are in the food business, you are certainly no stranger

Why Grease is a Problem

backs up into homes and businesses, onto the streets and into storm When large volumes of FOG enter sewer pipes, they solidify and wastewater system. If the pipe becomes completely clogged, sewage accumulate, much like a heart attack within the pipes of the

hefty fines and even business closures. tions and enforcing them more aggressively. Failure to comply means authorities are clamping down by creating stricter codes and regulathe primary sources of fats, oils and grease in the sewer system, local Because restaurants and other food service establishments are

significant to the discussion and critical to your compliance. While FOG is the source of the problem, two other measures are

plant, the more energy it takes to treat and restore oxygen into the ment process before the reclaimed water can be released back into depleted oxygen must be replenished through the wastewater treatteaches us that oxygen is required for sustaining aquatic life, so any oxygen that is used or depleted by the bacteria, chemicals and other local waterways. The higher the BOD content coming into a treatment contaminants that are discharged into the wastewater. Biology 101 Biochemical oxygen demand, or BOD, represents the amount of

suspended in wastewater that do not settle out (the food- and grease-Total suspended solids, or TSS, are the solid particles that are



serve as refuges for harmful bacteria and other microorganisms. It also can disrupt photosynthesis, an essential process to life. can limit the amount of sunlight reaching aquatic plant life, which related solids in FOG). TSS in wastewater is mostly organic and can

The Changing Face of Managing Grease

interceptor. The devices contain FOG before ultimately discharging wa-Grease is typically handled through the use of a grease trap or grease and causes problems at the municipal wastewater treatment plants. problems is the buildup that pushes through to the main sewer lines host of problems and significantly affect the bottom line. One of these grease traps result in excessive grease buildup, which can cause a ter into the sanitary water and sewer system. Poorly or unmaintained

is the same: food establishments and producers that account for the mental awareness or budgetary pains experienced by all government to the bottom line and a company's reputation. Managed incompletely or ineffectively, it can mean significant harm largest portion of this type of waste are under increased scrutiny. offices nationwide as they see a potential revenue source, the outcome more aggressive. Whether the uptick is the result of greater environdischarges have increased, and enforcement of these regulations is far Recently, the fees and surcharges for excessive FOG, BOD and TSS

The Business Impact

\$1.5 million to clean up grease overflows and stoppages annually. calls in Sacramento, Calif., area and the City of Columbia, S.C., spending gums up the wastewater system. service calls cost millions of dollars and are a regular occurrence as FOG million fine in Colorado in April 2011, \$3 million per year in service The impact on municipalities has been severe. Fines and emergency Consider incidents like these: a \$7



Because restaurants and other food service establishments are the primary sources by creating stricter codes and regulations and enforcing them more aggressively. of fats, oils and grease in the sewer system, local authorities are clamping down Failure to comply means hefty fines and even business closures

in the form of surcharges, permits, that discharges large amounts of FOG increased costs? You, as an industry Who ultimately pays for these

to quantity based (discharge of FOG, TSS a typical cost of doing business, you still costly enough, and even though they are tion of flat plus variable fees. or BOD by the pound) or some combinafrom flat fee (per number of grease traps) determined by local authorities and vary want to minimize them. These fees are Discharge permits and surcharges are

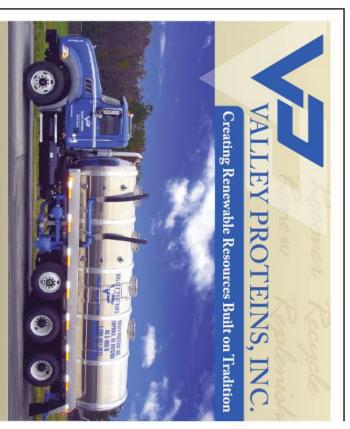
ample of fines and fees from King County, inspection and monitoring. (View an exdamages and additional costs caused by companies and facilities with industrial ing every year. It is not uncommon for incurred for the necessary post-violation their discharges. Then additional fees are dischargers are usually liable for any per violation per day. In addition, to be subject to fines of up to \$10,000 wastewater discharge or permit violations more are fines. What can hurt your business even Fines are costly and grow

billing practices and any additional charges. their local sewer agency to learn about its Facilities should always check with

Obstacles to Effective

Management

difficult to find through online resources trap codes, national guidelines or even ment offices. It is very time-consuming or multiple phone calls to the governcounty, city or municipality and are often requirements are usually dictated by the statewide regulations. Grease management there is no common standard for grease ing grease effectively is the fact that One of the main challenges of manag



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research as this information is found in different places depending on geographical location.

Add to this a confusing rate structure for fees, permits and surcharges and the inevitable difficulty in deciphering your utility bill; it can be hard to determine the true cost of your grease management. If you experience an unfortunate situation where a fine is incurred, it can be even more difficult to identify the additional costs related to any violations.

Implementing a comprehensive and effective total grease management plan, reducing costs associated with preventative maintenance and mitigating risks related to violations is a full-time job. You need to be an expert and coordinate numerous efforts, including:

- Proper design and installation of grease traps/interceptors
- suitable for your facility.
- Regular preventative maintenance of grease traps, which should include complete pump-out on a scheduled basis.
- Disposal and/or recycling of the waste from preventative maintenance activities.
- Meticulous recordkeeping of maintenance performed by trained experts.
- Understanding permits and fees and staying abreast of changes.
- Comparing stated permits, fees and charges to actual bills.
- Reducing, mitigating and understanding any fines you might incur and subsequent follow-up.

It is a great advantage to hire someone with thorough knowledge of the codes and guidelines to coordinate, execute and thoroughly document regularly scheduled maintenance. The right vendor company not only manages the full grease process but also can assist in the process of monitoring bills and reducing the cost impact of fines to your business.

Some cities are now requiring comprehensive written grease trap plans. Do you have one? Is it up to date?

There are a lot of moving parts to effective grease management and minimizing related costs, and this is not even part of your core business!

Solutions for Risk Management and Cost Reduction

One way facilities ensure compliance and peace of mind with respect to grease code compliance, as well as overall grease management, is by engaging a third-party grease specialist to manage the process.

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Some of the ways in which they do this are:

- Comprehensive service that includes pumping the grease trap, as well as ongoing monitoring of charges to ensure what you are paying matches what is dictated in the schedule of fees.
- Complete documentation of all preventative maintenance and testing to proactively mitigate the risk of potential fines.
- Investigation and resolution of inaccurate surcharges or penalties.

The advantage of having a third-party expert manage the entire process is deep expertise nationwide, specific attention given to the details of your billing and focused commitment to effective grease management because grease is the core competency of their business.

It's Your Choice

In the food business, grease is here to stay, and costs for managing it are expected to rise. It's up to you to choose the best options not only for your bottom line but also for the environment.

Susan Daywitt founded SLM in 1998. She is active in many organizations including, 2009-2010 Vendor Representative to RFMA Board of Directors, Women's Presidents Organization, International Facilities Managers Association, and Women's Business Enterprise National Council. Daywitt mentors women entrepreneurs, volunteers in the community and devotes her free time to her family.

