

The Value to State and Local Governments –

In support on the State Water Plan Goal to;

Protect, Maintain, and Enhance, the quality of the State's Waters.

Summary of existing conditions within the United States –

- **The general condition of wastewater collection and treatment infrastructure is poor, as a result of budgetary constraints. The cost to restore the infrastructure condition is expected to double current maintenance budgets for the next 20 years.**
- **Overflows dumping raw sewage into the environment occur regularly.**
 - About 40% of collection system daily blockages, which cause overflows, are the result of grease and restaurant / food service waste.
 - It's getting worse, the restaurant industry continues to grow rapidly each year.
- **The cost to alleviate foul odors issuing from both collection and treatment systems is high. These odors result from the creation of sulfides.**

Prognosis -

- **If we maintain the status quo, if nothing is done, we can expect the following results:**
 - More overflows, resulting in serious environmental consequences. For example:
 - Los Angeles was sued 2000 times in the last 5 years by the EPA for overflows; EPA audits confirm 41% were caused by blockages from grease and food waste.
 - Boston encountered a 300 ft. long by 36-inch diameter grease blockage in the Faneuil Hall area.
 - Most cities are plagued by frequent overflows, creating property damage for individuals and lawsuits for the city.
 - More overflows contaminating State and Local waterways.
 - Increasing personal and commercial losses
 - Additional EPA – imposed fines and corrective action requirements

Proposed Solution –

Widespread, **statewide** deployment of our grease trap aeration system will help in the following ways:

- **Reduce daily maintenance required on the collection systems and related budget requirements by up to 40%.**
- **Reduce raw sewage overflow into the environment by up to 40%, reducing environmental damages, property damages, and EPA fines and corrective action requirements.**
- **Reduce the creation of foul odors within the collection and treatment systems, and associated costs, by normalizing the Ph of the water flowing out of grease traps.**
- **Raise public awareness of the problem and encourage food service establishments to have more responsible waste management plans.**

In summary, as we enter a time of rapidly escalating costs to maintain and restore these critical infrastructure systems, we offer a solution that will allow an incremental reduction in daily ongoing maintenance problems and related costs.

A successful demonstration of the value of a statewide deployment could result in very positive proposals to change statewide plumbing and pretreatment codes and restaurant surcharge systems.