

# Fats, Oils & Grease Ordinance and Program

---



Presented by  
Lance McAvoy  
Deputy Director of Operations

# Introduction

---

- What is FOG?
- What is the source of FOG?
- Why is FOG important?
- What is in the FOG Ordinance?
- How does it affect me?
- How does it affect the City?
- Wrap-up & Questions.

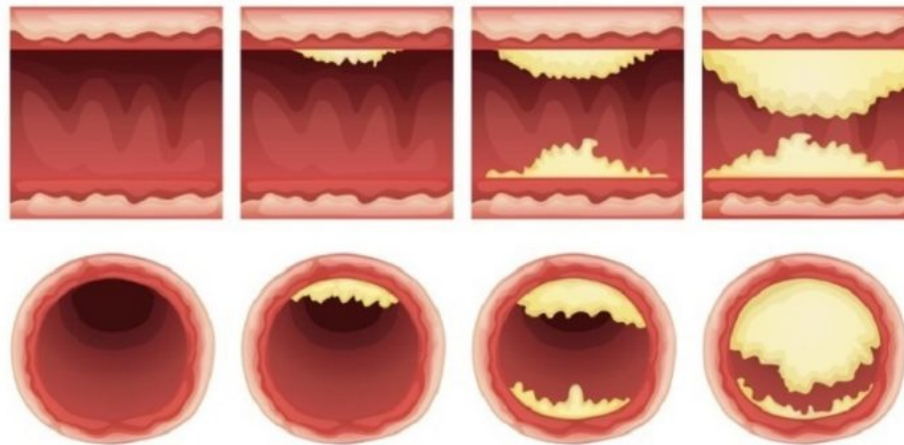
# What is FOG?

- FOG (*Fats, Oils, and Grease*)
- Any combination of animal fats and/or vegetable oils that are used to prepare food, or are found in food.

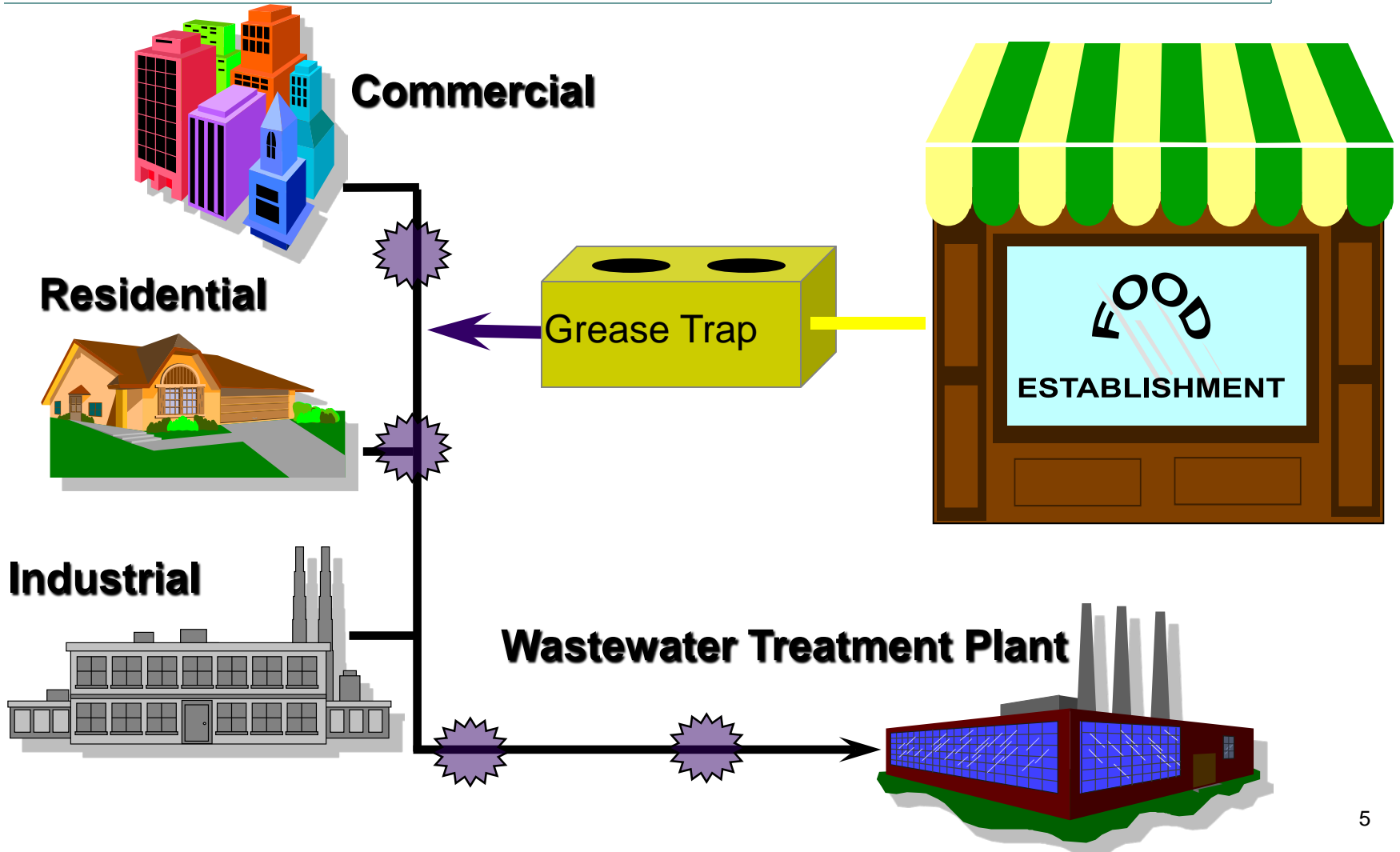


# What is FOG?

- Fats are solid at room temperature, oils are liquid at room temperature and grease is a mixture.
- All types of FOG are viscous and can stick to sewer pipes causing blockages and backups.



# What is the Source of FOG?



# What is the source of FOG?

- Waste produced by all the different stages of food preparation, cooking and clean up.
- Comes from floor drains, pre-rinse sinks, pot sinks, mop sinks, and other clean-up areas found in Food Service Establishments (FSEs) or Food Production Establishments (FPEs).
- FSEs & FPEs are FOG Generators.



# What is the source of FOG?

From food and cooking processes such as:

- Meat fats
- Lard
- Cooking Oil
- Shortening
- Condiments
- Dressings
- Butter and margarine
- Food scraps
- Baking goods
- Dairy products
- Sauces
- Coffee



- Deep or stir frying
- Preparation and baking



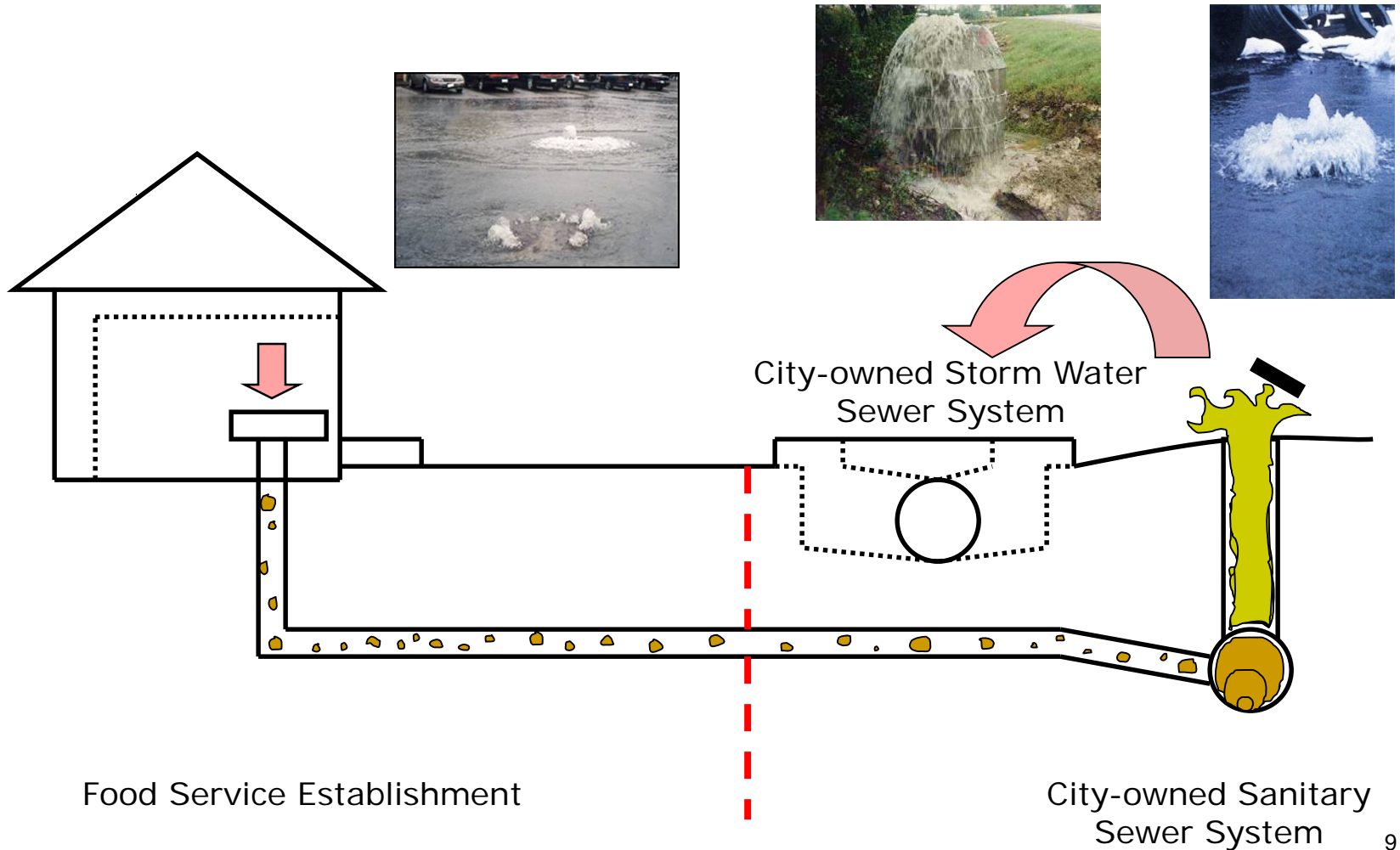
# Why is FOG important?

- The Consent Decree requires the reduction and prevention of Sanitary Sewer Overflows (SSOs).
- When discharged into sewer lines, Fats, Oils, and Grease (FOG) accumulates and sticks to pipe walls causing clogs in the sanitary sewer system.



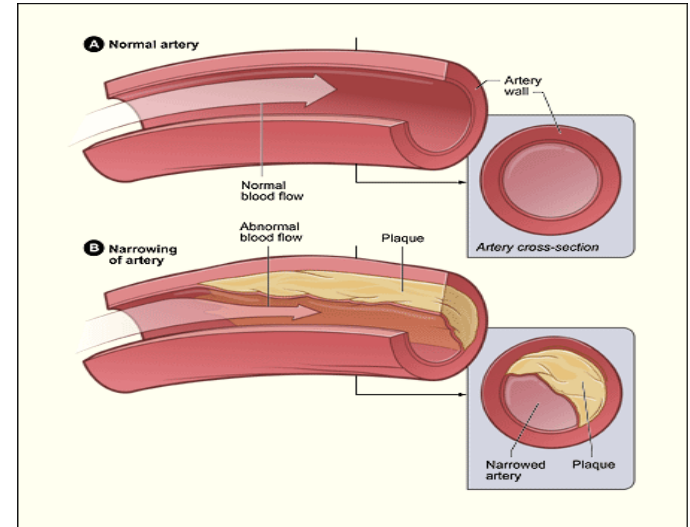


# Why is FOG important?



# Why is FOG important?

- FOG flows through the sanitary sewer system much like bad cholesterol and fatty acids in the human body (which cause “hardening of arteries”).
- FOG can accumulate and constrict flow and potentially cause blockages similar to plaque build up in blood vessels.



# Why is FOG important?

- It leads to:
  - Slow draining sinks,
  - Sewer backs ups,
  - Sewage spills near or inside your facility or home,
  - Health concerns from backups and overflows,
  - Odors that can affect the quality of your products and comfort of customers,
  - Plumber visits and bills, and
  - Sewage clean up cost.



# What is in the FOG Ordinance?

- Objective: keep FOG out of sewers.
- Who it affects:
  - ***Food Service Establishments***: non-residential establishment that prepares food for sale or consumption on or off site. (i.e. Restaurants, Cafeterias, Deli, etc.)
  - ***Food Processing Establishments***: non-residential establishment that manufactures, processes or packages food for humans.
- Legal Authority

# What is in the FOG Ordinance?

- Abbreviations (WCTS, FOG, FPE, FSE)
- Definitions of terms
- General sewer use requirements
  - What can and cannot be put into the sewer
  - Right to use questionnaires
  - Right to revise the ordinance
  - No dilution to meet limits



# What is in the FOG Ordinance?

- Require FOG Permit:
  - Required by Consent Decree
  - No current fee associated with permit
- How to get a FOG Permit:
  - If already in business what to do...
  - If a new business what to do...
- Permit Application



# What is in the FOG Ordinance?

- Information required for FOG Permit Application
  - Contact Information: Owner of business, owner of property, contact phone & address, etc.
  - Operations Information: Type of food, floor plan with plumbing diagram, employees and hours of operations, seating capacity & table turnover rates, etc.



# What is in the FOG Ordinance?

- Location of Grease Traps and Grease Interceptors.
- Any Best Management Practices (BMPs) already used by the FSE/FPE.
- Signature.





# What is in the FOG Ordinance?

- FOG Permit is good for two (2) years.
- What the City has to have in the FOG Permit:
  - What, When, Who, How, Where
- Appeals process for FOG Permit Denials
- Process for Modifying FOG Permits
- FOG Permits cannot be transferred to others



# What is in the FOG Ordinance?

- Reasons FOG Permits can be revoked
- Application to renew FOG Permits



# What is in the FOG Ordinance?

- FOG Control Devices: (Grease Traps & Grease Interceptors).
  - Required to have one by State & Local Plumbing Code.
  - Must be properly sized.
  - Yellow Grease should be recycled.
  - Must repair/replace if broken.

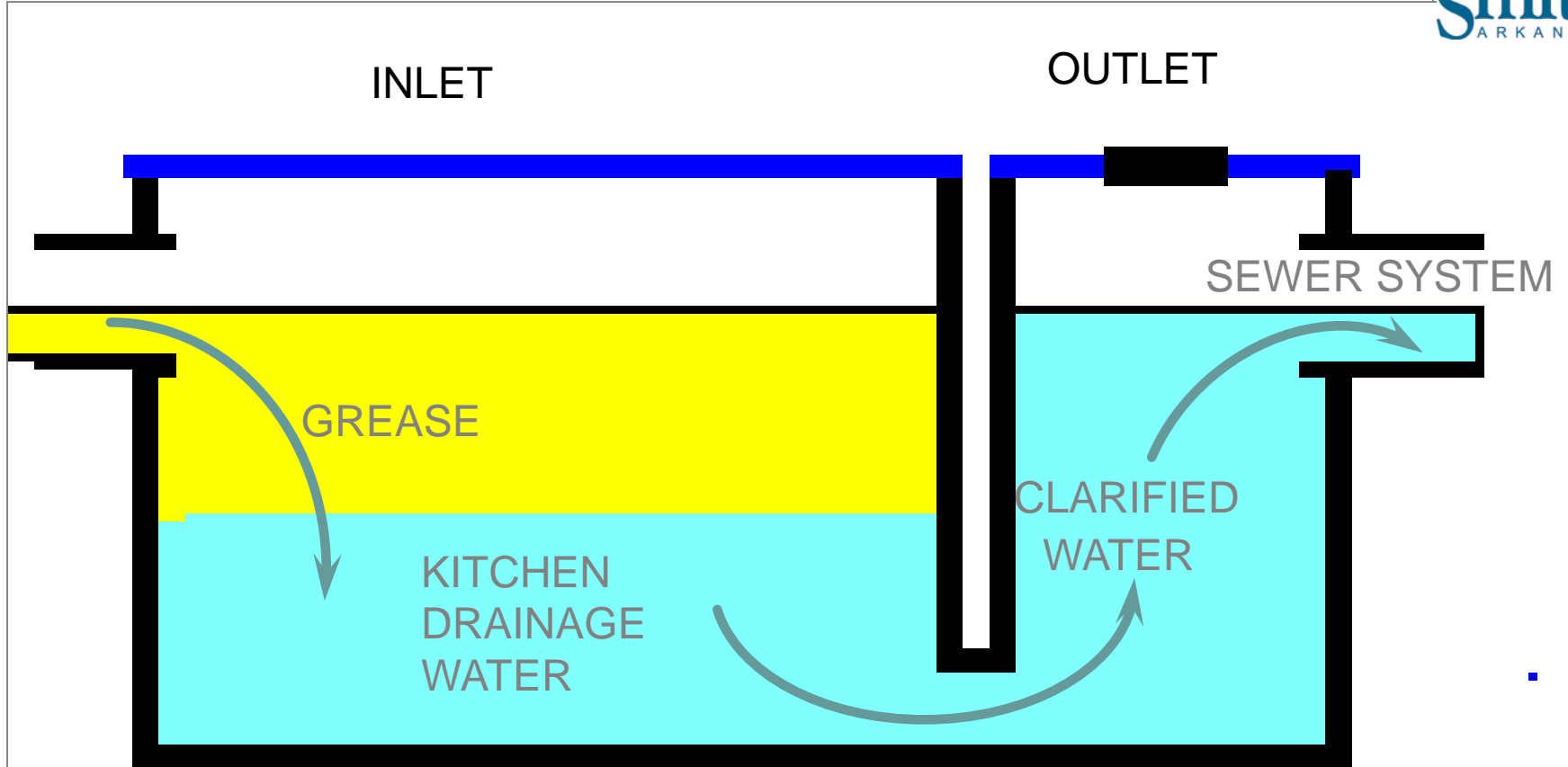


# What is in the FOG Ordinance?

- Sampling port to test FOG Control Device.
- FOG Control Device Inspection.
- Clean-up spills and let the City know of the spill & clean-up. This is a spill that occurs outside the building or if it goes into a floor drain.

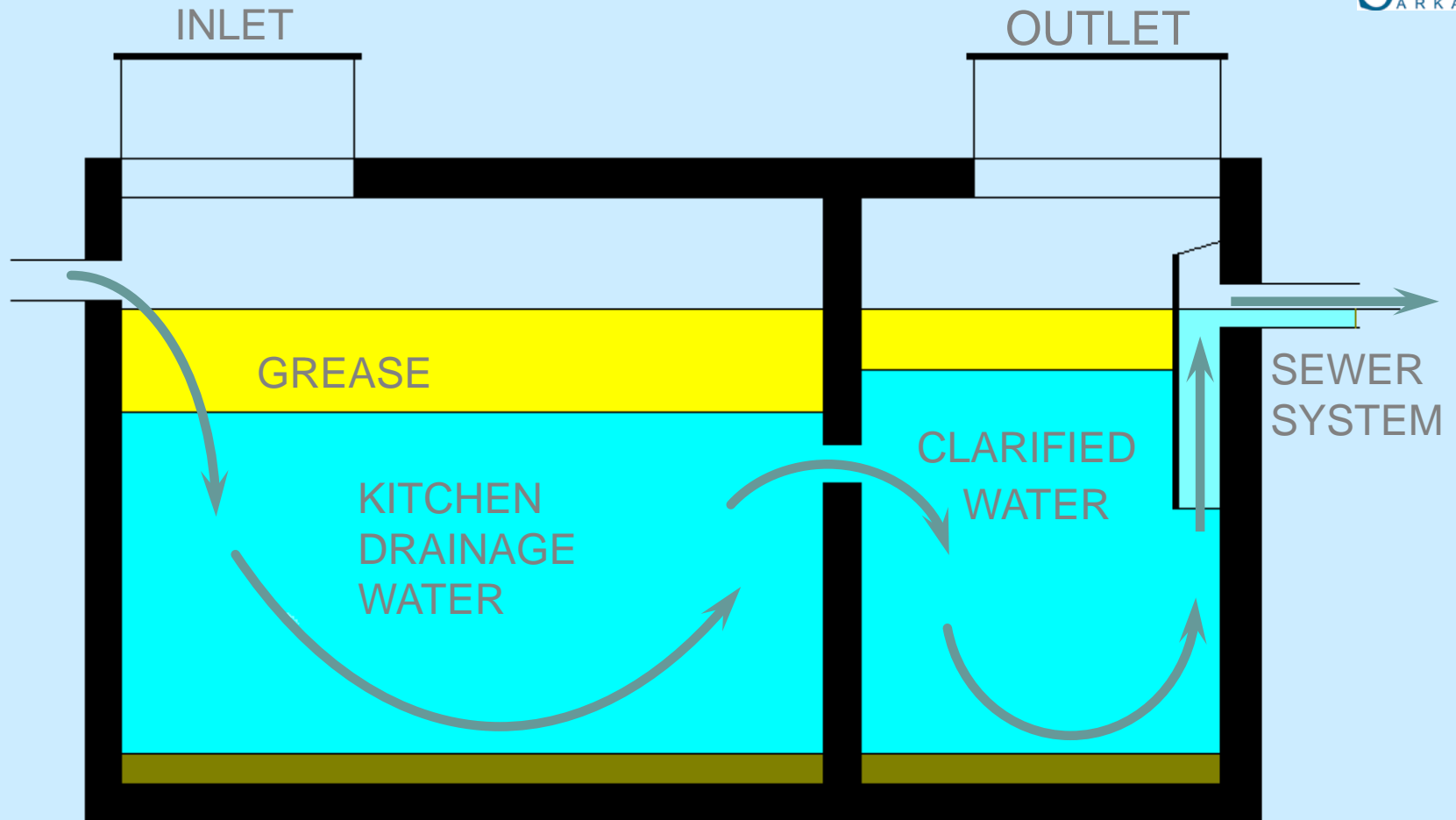


# What is in the FOG Ordinance?



**“Under-the-Counter” Steel / Iron Model**

# What is in the FOG Ordinance?



**Concrete Outdoor In-Ground Interceptor**

# What is in the FOG Ordinance?

- Hauler & Manifest
- FOG Haulers will be permitted. (List placed on website.)
- What the haulers must do.
- Clean-up spills and let the City know of the spill & clean-up.
- Manifest Record keeping for Haulers & Generators.



# What is in the FOG Ordinance?

- Reporting requirements and record keeping for FOG Generators.
  - Changes in operation.
  - Best Management Practices (BMPs) used.
  - Maintenance Records.
  - Hauler Manifests.
  - Spill Records/Plumbing Records.





# What is in the FOG Ordinance?

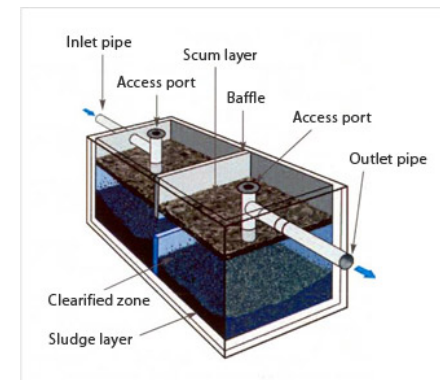
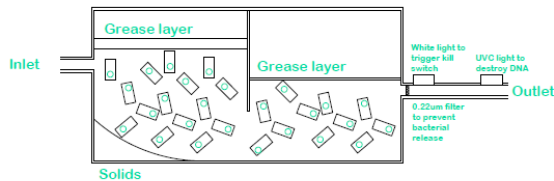
- City Inspections & Monitoring
  - Some of the items that will be inspected: Maintenance Records, Files, etc.
  - Search Warrants only used as a last resort for “bad actors”.
- Notification of violation and enforcement remedies (also required by the Consent Decree).



# How Does It Affect Me?

- Required to fill out a survey
- Required to have a grease trap/interceptor
  - Already required by State Plumbing Code
  - Already required by Local Plumbing Code
  - Required by the Consent Decree

Grease Trap Concept 1



# How Does It Affect Me?

- Required to fill out and submit FOG Permit Application
  - Provide Contact Information
  - Provide General Facility Information
  - Provide Facility Operations Information
  - Signature



# How Does It Affect Me?

- Permit is issued and delivered to you.
  - Schedule a time to deliver the permit.
  - Go over the permit to let you know what is expected/required.
  - Provide forms for you to use for required record keeping.
  - Provide training on Best Management Practices (BMPs).
  - Do a walk through to point out issues and give you an idea of what a real inspection would be like.

# How Does It Affect Me?

- Require to repair and maintain the grease trap/interceptor
  - Repair if needed
  - Required by Consent Decree
- Required to clean or have cleaned the grease trap/interceptor
  - Clean regularly
  - Required by Consent Decree
- Document repairs, cleaning, inspections

# How Does It Affect Me?

- Required to follow Best Management Practices
  - Scrap plates in to trash before rinsing.
  - Wipe grease off with paper towels.
  - Recycle cooking oil.
  - Dispose of FOG in trash.
  - Don't dump grease down the drain.
  - Etc.



# How Does It Affect Me?

- Inspections:
  - Look at records
    - Maintenance, Cleaning, Hauler Manifest, BMP Training, etc.
    - All required forms provided by City-NO SUPRISES
  - Look at facility
  - Look at grease trap/interceptor
  - Sample grease trap/interceptor
- Address any inspections findings.

# How Does It Affect Me?

- Potential to reduce plumbing problems and plumbing bills.
- Can say you are compliant with local FOG environmental regulations.
  - Green is the new Black
- Help reduce SSOs.





# How Does It Affect Me?

- FOG Hauler/Pumpers must be permitted.
- No cost for FOG Hauler/Pumpers permits.
- Required to fill out manifest ticket (supplied by the City).
  - Consent Decree Requirement
- List of Permitted FOG Hauler/Pumpers will be on the Utility Department web site.

# How Does It Affect the City?

- Allows the City to comply with Consent Decree.
- Allows Proactive approach instead of reactive.
- Reduces cleaning and maintenance costs.
- Helps to reduce SSOs and associated penalties.



# How Does It Affect the City?

- Adding staff for inspections, training, etc.
- Producing forms, manifests, applications, etc.
- Must perform survey and send out FOG Permit application.
- Issue FOG & Hauler Permits & perform inspections.
- Cost is currently absorbed by the Utility Department operating budget.

# How Does It Affect the City?

- Annual reports to EPA/DOJ required.
  - Required by Consent Decree
- Measure how well the FOG Program is doing.
  - Required by Consent Decree



# Conclusion

- **Thank you for your time and attention.**
- **Please make sure you sign-in and provide your e-mail address.**
- **Please complete the survey and place it in the box on the way out.**

## QUESTIONS???

