

The background features a light gray gradient with several realistic water droplets of various sizes scattered across the surface. The droplets have highlights and shadows, giving them a three-dimensional appearance. The text is centered in the middle of the frame.

**F.O.G.**

WHAT IS IT?

# AGENDA

- PURPOSE- CITY CODE
- WHAT IS F.O.G.?
- F.O.G. OBJECTIVES
- FOOD SERVICE ESTABLISHMENT (FSE) INFORMATION
- MANAGING F.O.G.
- BEST MANAGEMENT PRACTICES (BMPS)
- GREASE INTERCEPTORS
- CONTACT INFORMATION

# CITY CODE OF ORDINANCES

## **Section 2: *Bloomington City Code,* Chapter 11.31 (b)**

- (6) No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer unless such person has obtained a permit from the City Engineer specifically authorizing the discharge of such water or waste and unless the conditions, if any, set forth in the permit have been and are complied with by such person:
- (A) Any waters or other liquid or vapor having a temperature higher than 150F°.
  - (B) Any waters or wastes containing fats, wax, grease, or oils, whether emulsified or not, in excess of 100 milligrams per liter or containing substances which may solidify or become viscous at temperatures between 32 and 150F°.

# FATS, OILS, & GREASE (F.O.G.)

- ANY COMBINATION OF ANIMAL FATS AND/OR VEGETABLE OILS THAT ARE USED TO PREPARE FOOD, OR ARE FOUND IN FOOD.



# THE FOG PROGRAM OBJECTIVES

- REDUCE FOG-RELATED SANITARY SEWER OVERFLOWS
- PROVIDE INCREASED EDUCATION AND AWARENESS OF FOG AND TO IMPROVE FOG REMEDIATION EFFORTS AT FSES.



FOG discharge and related SSOs are **NO** accident!

# WHAT ARE WE TRYING TO PREVENT?



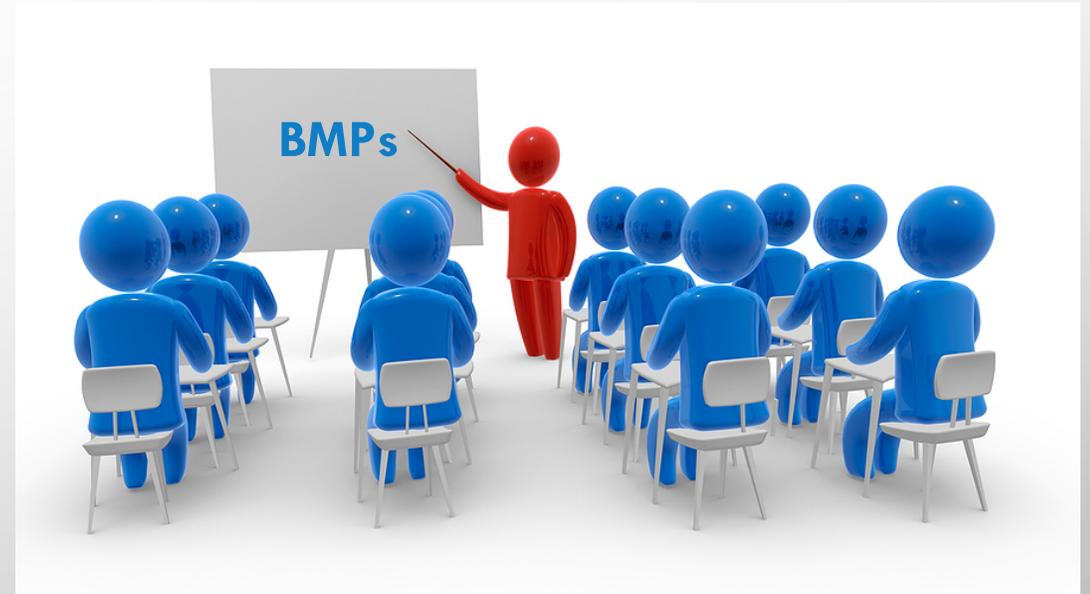
# FOOD SERVICE ESTABLISHMENT INFORMATION (FSE)

- FSE DEFINED: AS ANY COMMERCIAL, INSTITUTIONAL, OR FOOD PROCESSING FACILITY THAT DISCHARGES KITCHEN OR FOOD PREPARATION WASTEWATERS AND THAT ARE REQUIRED TO HAVE A GREASE INTERCEPTOR DEVICE.....
- WHEN DISCHARGED INTO SEWER LINES, FOG ACCUMULATES AND STICKS TO PIPE WALLS CAUSING CLOGS IN THE SANITARY SEWER SYSTEM.



# MANAGING F.O.G.

- TRAIN STAFF
- TYPES & SOURCES (LIQUID OR SOLID)
- BEST MANAGEMENT PRACTICES (BMPS)



# UNDERSTANDING FOG SOURCES

- FATTY FOODS
- COOKING OILS
- RESIDUAL FOOD DEBRIS
- KITCHEN UTENSILS
- DINNERWARE
- DEEP FRYERS
- LEFTOVERS





# BEST MANAGEMENT PRACTICES (BMPS)

## “WE DON’T HAVE ANY GREASE”

- DISCUSS AND TRAIN STAFF
- FULLY UNDERSTAND HOW USING KITCHEN BMPS TO CONTROL FOG DISCHARGE IS RELATED TO SEWER BLOCKAGES AND SANITARY SEWER OVERFLOWS.
- UNDERSTAND BACKGROUND AND PURPOSE FOR THE FOG PROGRAM.
- UNDERSTAND THE RESPONSIBILITY OF THE FSE FOR ILLICIT FOG DISCHARGE.



Greasy Pans



“Magic Machine”



Clean Pans

**IT'S TIME TO FIGHT F.O.G.** Help keep Fats, Oils & Grease from clogging the wastewater pipes!

**THE RIGHT WAY** **CORRECTO** 正確做法

- Wipe dishes, pots, pans and cooking equipment before rinsing or washing. *Limpie con papel los platos, ollas, sartenes y equipo de cocina antes de enjuagarlos o lavarlos.* 在沖洗和洗滌鍋碗瓢盆和炊具之前應先用紙拭。
- Put food waste into food recycling container or trash. *Coloque los restos de comida en contenedores para reciclar alimentos o en la basura.* 將剩菜剩飯的食物倒在回收桶或垃圾桶內。
- Collect waste oil and store for recycling. *Clean up spills immediately.* *Recicle el aceite usado y guárdelo para reciclar. Limpie las derrames inmediatamente.* 收集剩餘廢油，以便日後回收利用。液體潑出後應立即加以清除。
- Wash floor mats in a utility sink. *Lave los tapetes en un lavabo de servicio.* 在洗滌機內清洗地毯墊。
- Keep screens in all drains to catch food waste. *Coloque coladores en todos los desagües para retener los desechos.* 所有的水池中應有濾網，用於收集食物殘渣。

**THE WRONG WAY** **INCORRECTO** 錯誤做法

- Do not pour cooking residue into the drain. *No vierta en el desagüe los residuos de alimentos cocinados.* 切勿將烹調後的剩餘殘渣倒入水池。
- Do not put food waste down the drain. *No arroje los desperdicios de alimentos por el desagüe.* 切勿將剩菜剩飯的食物倒入水池。
- Do not pour cooking oil into the drain. *No vierta aceite de cocina directamente en el desagüe.* 切勿將烹調後的剩油倒入水池。
- Do not wash floor mats outside. *No lave los tapetes en el exterior.* 切勿在室外清洗地毯墊。
- Do not remove screens from drains. *No quite los coladores de los desagües.* 切勿移除非水池中的濾網。

The Right Way

# BMPS



The Wrong Way

# REDUCING FOG FROM FSES

- SCRAPE FOOD FROM DIRTY DISHES, POTS, AND PANS INTO A TRASH CAN, THEN DRY-WIPE THEM WITH A PAPER TOWEL.
- FOG SHOULD NOT BE DISCARDED INTO GARBAGE DISPOSALS OR “FOOD GRINDERS”.



# CHOOSE YOUR WEAPONS!

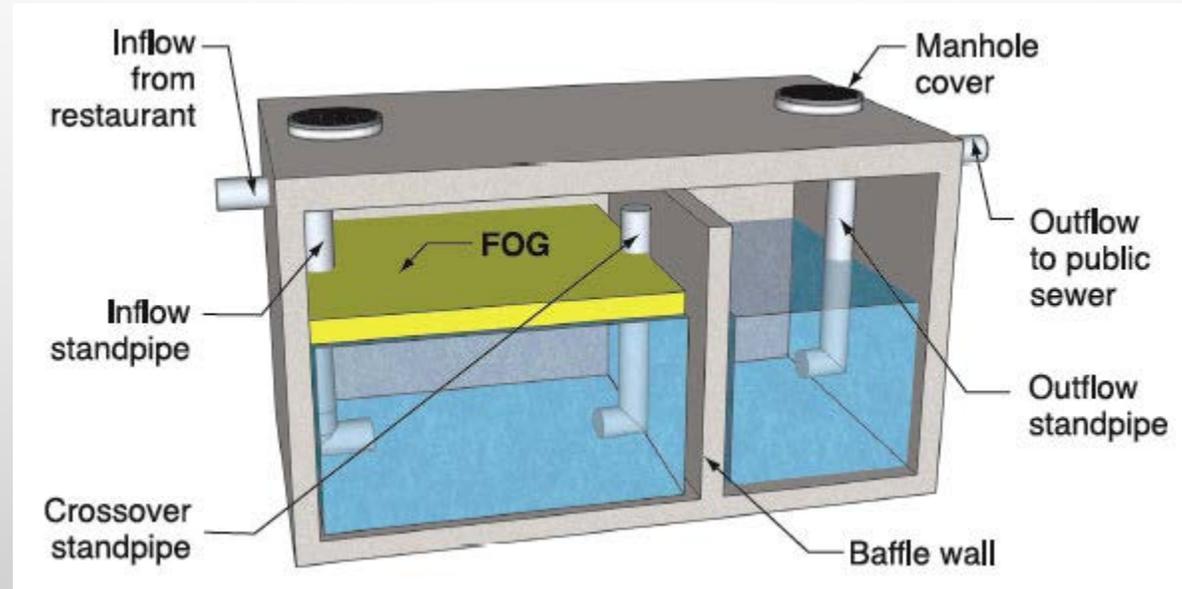
The Rubber Scraper



Your First & Best Defense



# EXTERNAL GRAVITY GREASE INTERCEPTOR



# INTERNAL GREASE INTERCEPTORS



# INSTALLATION AND REGULARLY CLEANING





# QUESTIONS?

## CONTACT INFORMATION

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