

GREASE TRAP INSPECTIONS

Ignacio Beltran
City of Irving



KEY TOPICS

- What is a grease interceptor?
- Requirements
- FOG
- Conducting the Inspection
- Enforcement
- Waste haulers

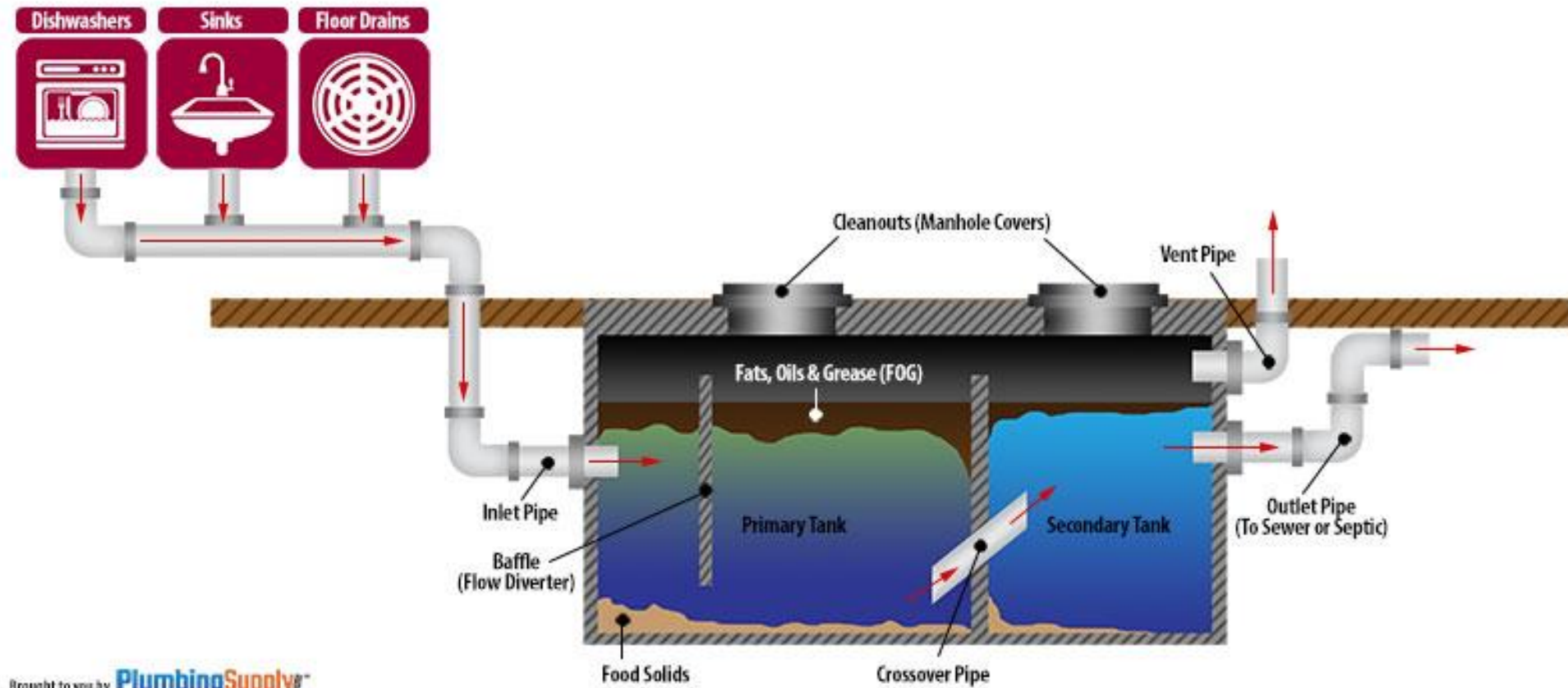


WHAT IS A GREASE INTERCEPTOR?

- A **grease trap** is a plumbing device (a type of trap) designed to intercept most greases and solids before they enter a wastewater disposal system.
- A grease trap **works by slowing down the flow of warm/hot greasy water and allowing it to cool**. As the water cools, the grease and oil in the water separate out and float to the top of the trap. The cooler water - minus the grease - continues to flow down the pipe to the sewer.



GREASE TRAP TYPES



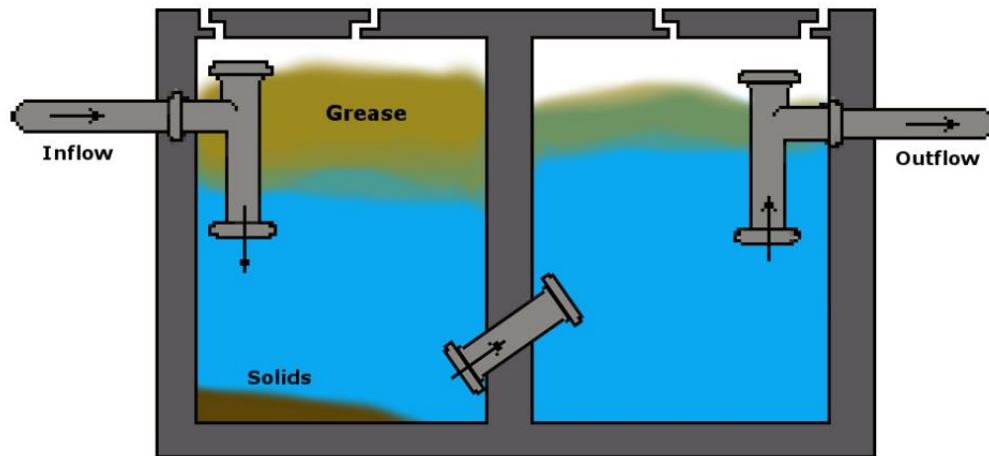
Brought to you by **PlumbingSupply**



GREASE TRAP TYPES

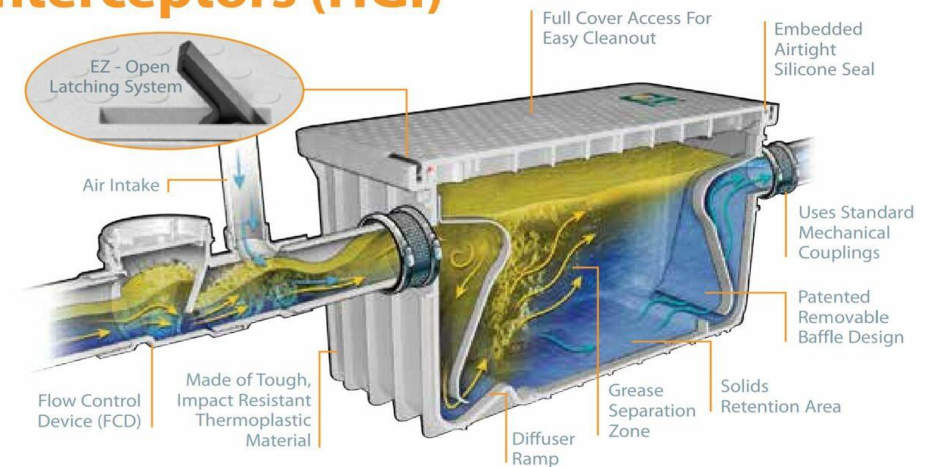
- Gravity Interceptor

Grease Trap



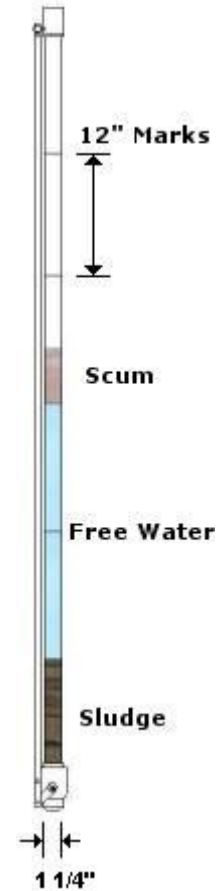
- Hydromechanical Interceptor

Hydromechanical Grease Interceptors (HGI)



CITY OF IRVING REQUIREMENTS

- 500-gallon minimum requirements
- Traps to be located on the exterior of the establishment
- Maintain collection devices (repairs and servicing)
- Minimum cleaning frequency of 90 days
- 25% Rule



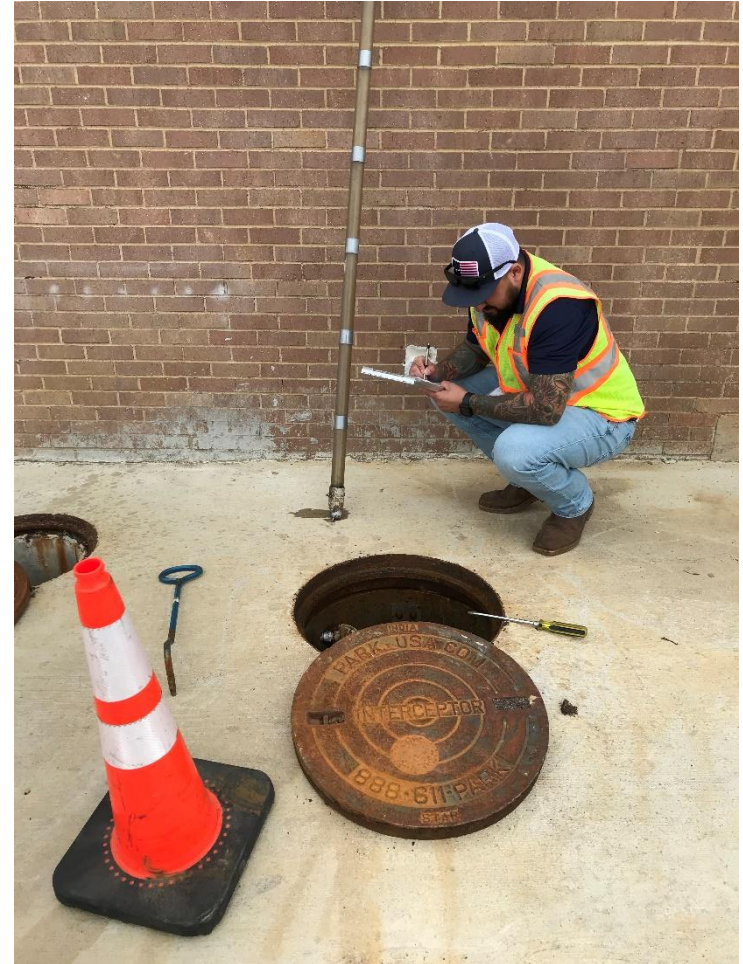
FATS, OIL, AND GREASE PROGRAM

- Educate City of Irving residents on the importance of proper waste disposal to mitigate increasing wastewater treatment costs, and sanitary sewer overflows.
- Educate businesses on the importance of maintaining their grease traps/interceptors.
- Implement enforcement to insure high quality of life for residents, businesses and visitors.



CONDUCTING THE INSPECTION

- Certificate of Occupancy
- Notice of Violations
- Complaints – Residents/
Inspectors/Wastehaulers



CONDUCTING THE INSPECTION

- Data base- LINKO, have an idea what your looking for
- Gather new data or make notes
- Compliance/ change frequency

LinkoFOG Facility Management - CTS - Compliance Tracking Software

File LinkoCTS LinkoFOG LinkoHW LinkoAg Reporting Modules Launch Help

Sign in

Facilities

Facility No: FOG-0453
 Facility Name: McDONALD'S #22481
 Address: 5220 N. MACARTHUR BLVD.

Facility No: FOG-0453
 Name: McDONALD'S #22481
 Address: 5220 N. MACARTHUR BLVD.
 Address 2:
 City: Irving
 State: TX Zip code: 75038-3807

Active: Yes
 Classification: Food
 Secondary Class: Fast Food
 Personnel: kroseberry
 Daily Flow: unknown
 Trunk Line: 2

Map Category:
 Last Inspection: 01/17/2018
 Next Inspection:
 Pumping Freq: Quarterly (every 90 days)
 Last PumpOut: 06/23/2021
 Next PumpOut: 09/26/2021
 Show in POM Portal: Yes

New Facility Close
 List View Edit Facility Delete Facility

Account Info Site & Date Info Extractors & Equipment Contacts **Pump Events** Inspect Events Other Events Notes Attachments MonPoints Codes

PumpOut Type: All PumpOut Events

Config	Due Date	Completed Date	Hauler Name	Amt. Pumped	Event Type	Attachments?
Add New						
Details	01/03/2020	03/26/2020	Liquid Environmental Solutions	1000	Grease Trap Pump	
Details	06/26/2020	06/25/2020	Liquid Environmental Solutions	1000	Grease Trap Pump	
Details	09/26/2020	09/30/2020	Liquid Environmental Solutions	1000	Grease Trap Pump	
Details	12/26/2020	12/31/2020	South Waste Disposal	1000	Grease Trap Pump	
Details	03/26/2021	03/25/2021	South Waste Disposal	1000	Grease Trap Pump	
Details	06/26/2021	06/23/2021	South Waste Disposal	1000	Grease Trap Pump	
Details	09/26/2021				Grease Trap Pump	

Facility: 755 of 1369

Violations Due next 5 days Reports Jul. 28, 2021

CONDUCTING THE INSPECTION

- Tools Needed- Manhole lid extractor, screwdriver, Grease measurement(sludge judge)tool, flash light, and proper PPE



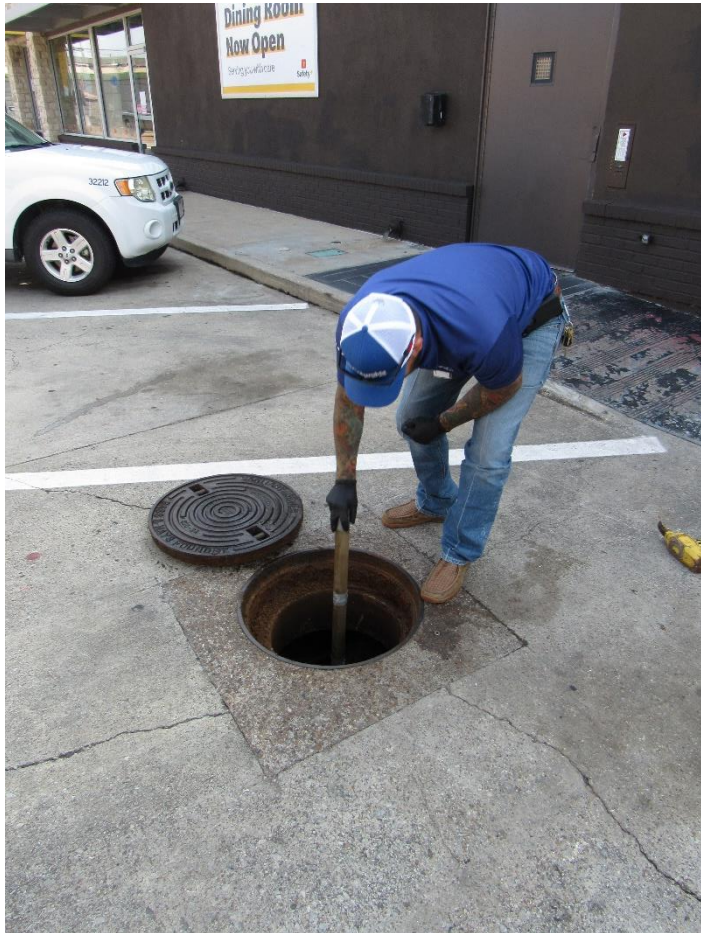
CONDUCTING THE INSPECTION- MANHOLES



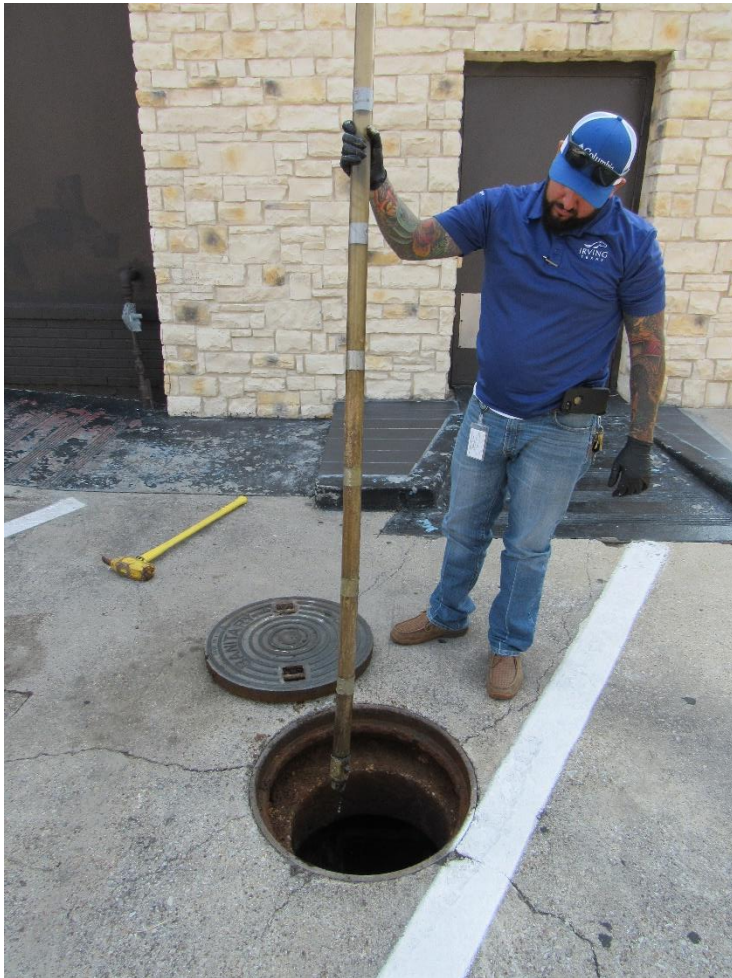
CONDUCTING THE INSPECTION- INSPECTION POINT



CONDUCTING THE INSPECTION- TRAP CONDITION



CONDUCTING THE INSPECTION- 25% RULE



CONDUCTING THE INSPECTION- CLEAN AND SECURE



COMMON PROBLEMS AND EXAMPLES

- Rusted Housing
- Broken/missing inlet or outlet Tees
- Clogged Sanitary Tee's
- Damaged baffle wall
- Ring and lids cracked missing
- Incorrect tie ins (Bathroom)
- Upstream/downstream clean out caps



EXAMPLES



EXAMPLES



EXAMPLES



EXAMPLES



EXAMPLES



ENFORCEMENT

- Hold Certificate of Occupancy
- Notice of Violation
- Citation
- Pumping frequency
- Shut off Utility
- Sample effluent (Surcharges)



WATER UTILITIES NOTICE OF VIOLATION

Date: 7/29/21
Violation Issued To: Mr. John Smith
Address: 1234 Appletree St. Phone Number: 972 212 27

An inspection of this premise has been made this date and you are hereby notified that conditions are existing that constitute a violation of Irving City Ordinance. The following violations were noted:

- | | |
|---|---|
| <input type="checkbox"/> Unauthorized Discharge of Wastewater to an Area other than Sanitary Sewer | <input checked="" type="checkbox"/> Failure to Maintain Grease Trap or Interceptor |
| <input type="checkbox"/> Unauthorized Discharge of Petroleum Products/Chemicals | <input type="checkbox"/> Dumping/Blowing Grass Clippings, Leaves, Brush, Rubbish or Debris into Storm Sewer System |
| <input type="checkbox"/> Unauthorized Discharge of Wastewater from Cleaning Operations or Washing of Vehicles | <input type="checkbox"/> Unauthorized Discharge of _____ into the MSA |
| <input type="checkbox"/> Improper Storage of Petroleum Products/Chemicals | <input type="checkbox"/> Use of Water in a Manner that Violates the Emergency Water Management Plan, Drought Contingency and Water Conservation Plans |
| <input type="checkbox"/> No Annual Backflow Test | <input type="checkbox"/> Other: _____ |

Comments/Corrective Measures: Will need to have Grease Interceptor serviced by an approved waster within 48 hours of today (7/29/21 0930) to avoid any enforcement actions.

John Smith
Recipient Name

Ignacio Beltran
Inspector Name

John Smith
Recipient Signature

[Signature]
Inspector Signature



WASTE HAULERS

- In order to transport liquid waste generated within the City of Irving, you must apply for and receive a Liquid Waste Transportation Permit from the City of Irving

- Items that need to be provided at the time of inspection are:
 1. Liquid Waste Hauler Application
 2. Payment in the form of Cash or Check
 3. \$150 for the first permit, \$100 for each consecutive permit
 4. Copy of your TCEQ Registration Letter
 5. Proof of Insurance
 6. Copies of the Drivers Licenses of the Manager and all applicable drivers



WASTE HAULERS

- Waste Hauler online entry
- Within 24 Hours of service
- Up to date compliance letters
- Pinpoint grease traps inspections
- Provide attachments (pictures)

Step 3 of 3 - Enter Pumpout/Cleaning details

Generator

Facility Name: _POMTest

Extractor:

Due Date: * Cleaning Date:

Cleaning Start Time: Cleaning End Time:

Waste Hauler

Pumpout Manifest No.: * Waste Type: Select Waste Type

* Waste Hauler: Select Waste Hauler

Hauler Truck: Select Hauler Truck Hauler Driver:

* Amount Removed: gal Grease Depth: in

Water Depth: in Solids Depth: in

Pumping Method: Select Pump Method Facility Representative:

☐ Trap in Need of Repair? ☐ Critical Issues Observed?

Disposal

Manifest No.: Representative:

* Disposal Site: Select Disposal Site

* Disposal Date: Disposal Time:

Cleaning Comments:

☐ I certify that the information provided above is correct, and that only the waste certified for removal by the generator is contained in the servicing vehicle. I am aware that falsification of this trip ticket may result in revocation of my liquid waste transportation permit, and/or criminal prosecution.

Submitted by: Ignacio Beltran Submission Date: 8/3/2021 10:20:01 AM

Attachment(s): [Select files...](#)

[Previous](#) [Submit](#)



WASTE HAULER SERVICE



WASTE HAULER SERVICE



WASTE HAULER SERVICE



WASTE HAULER SERVICE



THE END

Ignacio Beltran

Environmental Compliance Inspector

ibeltran@cityofirving.org

972-721-2127

