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City of Irving Water Utilities

F.R.O.G.

Fats

Rags

Oils

Grease



Our Purpose

- 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.
- Carry out the city's vision statement:

“Irving will be the model for safe and beautiful neighborhoods, a vibrant economy, and exceptional recreational, cultural and educational opportunities.”

Prevent this from occurring.



Our Program

- Currently in the process of reorganization.
- Previously, all F.R.O.G. related activities were completed by a Specialist.
- Moving towards a “holistic” approach
 - Industrial Pretreatment Coordinator
 - Specialist
 - Environmental Inspector
 - Technical Support

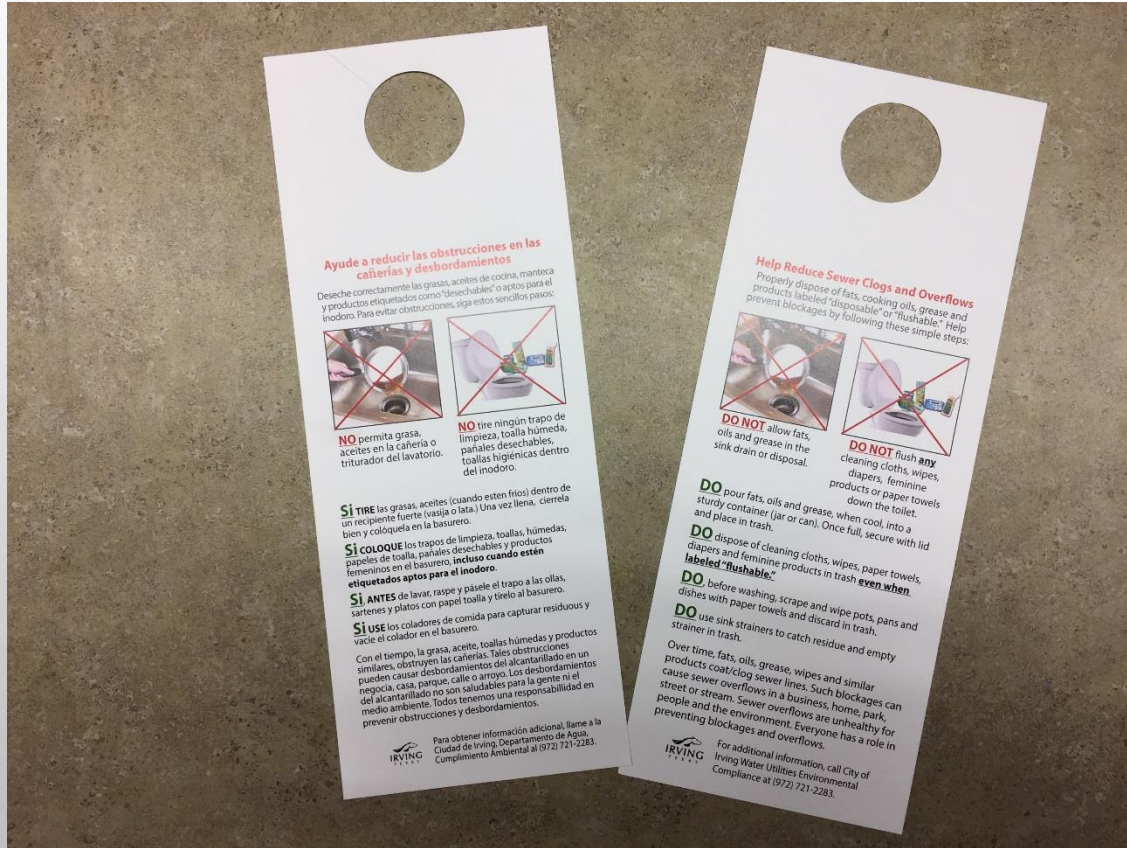


Public Education

- Increased participation in attending special events.
- Reached a total of 15,000 residents last Fiscal Year.
- Advertising
 - Cable, Movie Theaters, Radio
- Thank you to McKinney and NTMWD for sharing your promotional items!



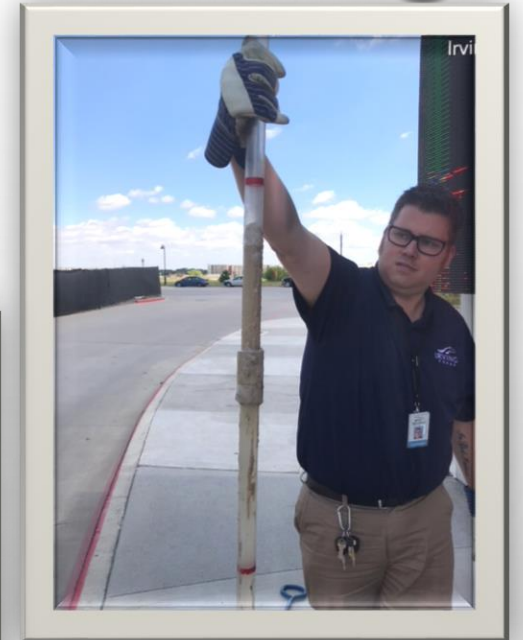
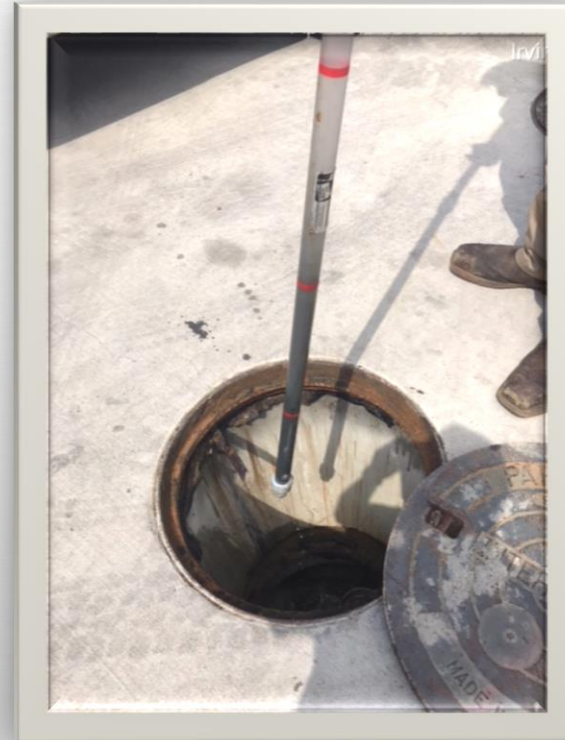
Apartment Outreach



- Each year we distribute informational flyers to Apartment Complexes.
 - Every Two Years
- OR-
- Plumbing Issues
- Have seen a decrease of Apartment Overflows since initiation.

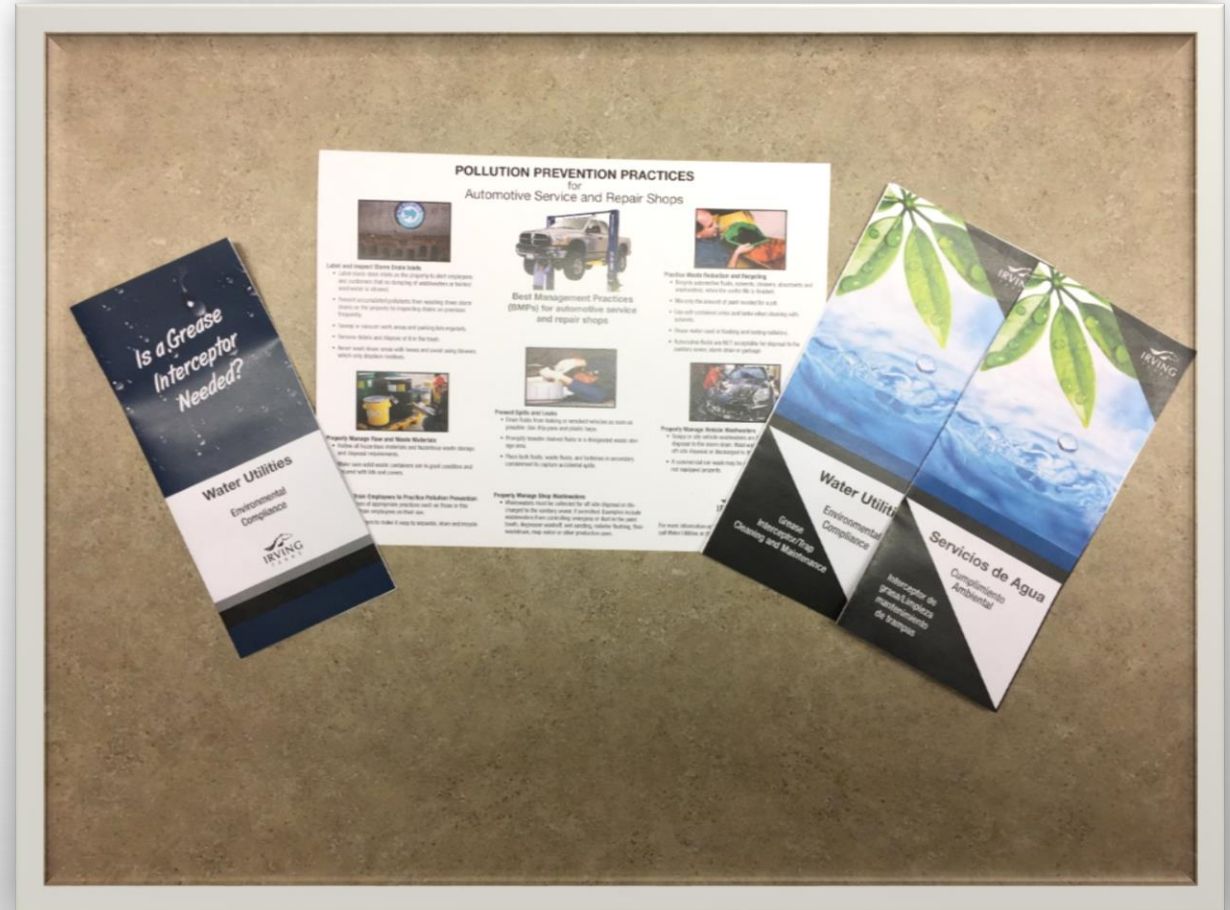
Grease Trap Inspections/ Plan Review

- Full time Inspector dedicated to inspection of Grease and Grit traps.
- New goal is to inspect every grease/grit trap within the next two years.
- All data is maintained within Linko Pretreatment Software, and Traklt.
- Fiscal Year 17-18 resulted in over 350 inspections being conducted
- Inspections also allow us to “audit” our surcharge listing.
 - Ensure businesses who are required to maintain grease traps are billed accordingly.



Educational Brochures

- Two Informational Brochures handed out during an inspection.
 - Grease Trap Maintenance
 - Automotive Related Business
- One brochure for future businesses.
 - Do I need a grease interceptor?



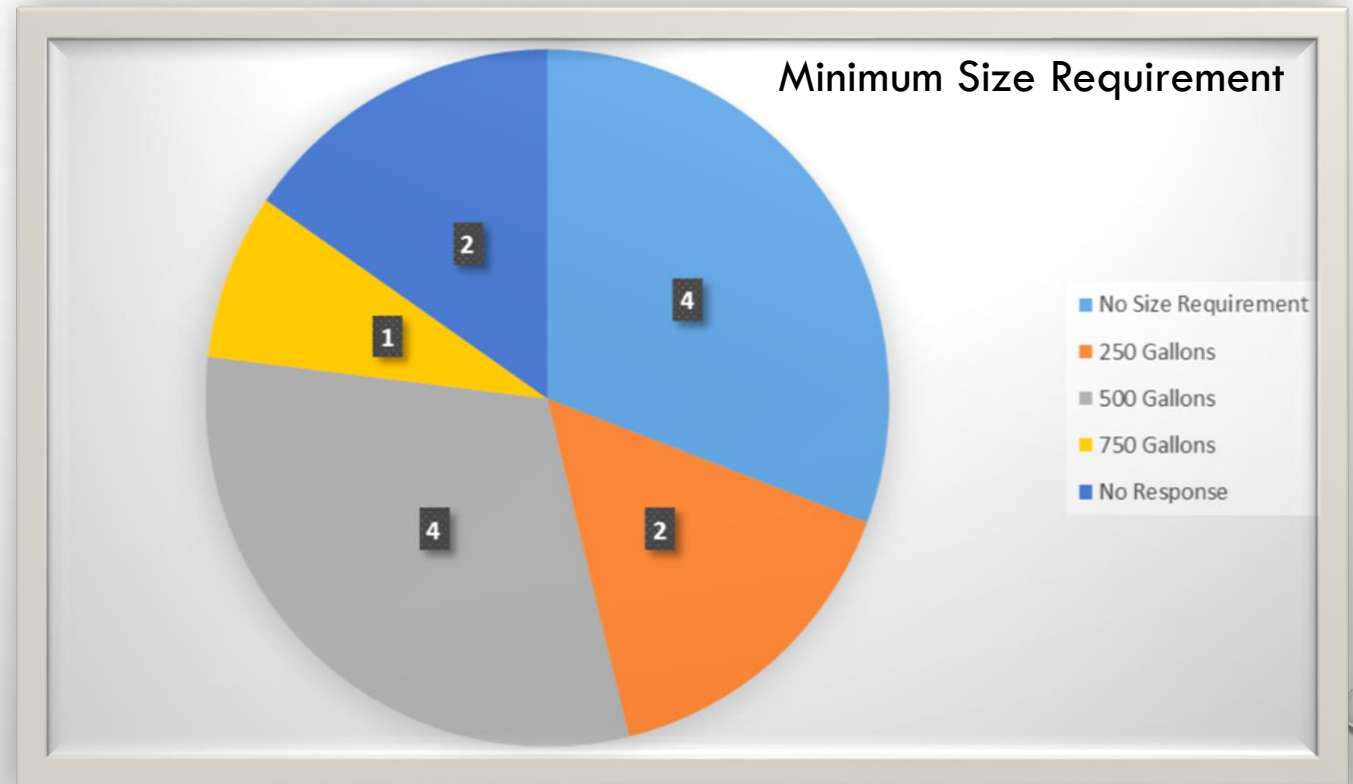
Our Pick-Up Program

- Solid Waste Services provides collection of the following items for residents on their designated trash pickup days:
 - Household paint
 - Used motor oil and oil filters
 - Antifreeze, transmission fluid
 - Vegetable oil
 - Lead acid automotive batteries
- Also hold Household Hazardous Waste collection events quarterly.



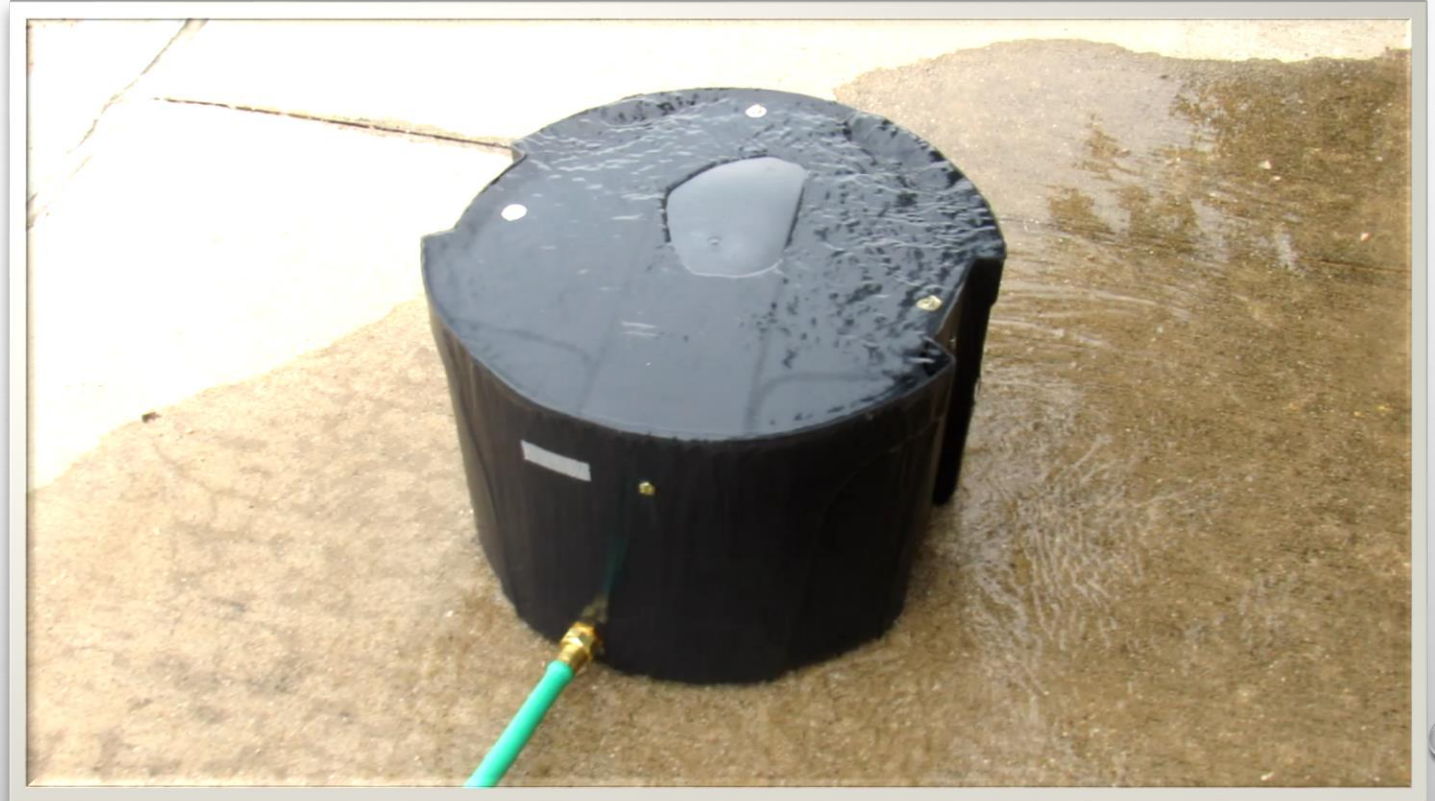
City of Irving Benchmarking Results

- Tasked to complete Benchmarking Survey in May, 2018.
- F.R.O.G. program utilized Survey Monkey to conduct this survey.
- 13 Cities responded.
- Results were shared during a regional Liquid Waste Hauler enforcement meeting in June of 2018.
- The results of the survey allowed us to bring up ordinance changes.



SSO Simulator

- Strengthen our “estimation” technique.
- Developed training, and guide for field crews.
- Meet new “training” requirements with the 2016 rule change.



150 GALLONS PER MINUTE



Construction of SSO the Simulator



- Plastic garbage can to simulate 24" Bolt down manhole lid.
- Began with a $\frac{3}{4}$ inch garden hose.
 - Switched to 2" pump hose.
- Future project includes installing a manhole at our Service Center with a 30" Ring and Lid.
 - Also to be used for Confined Space Entry Training.

350 GALLONS PER MINUTE



Future Projects

- Ordinance Changes
- Online Trip Ticket Entry
- Liquid Waste Hauler Company Representative meeting
- 25% rule project
- GPS Mapping of all grease traps within the City of Irving



QUESTIONS, COMMENTS?

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