

WASTEWATER AND TREATMENT EDUCATION ROUNDTABLE (WATER)

TUESDAY, NOVEMBER 6, 2018



**Wastewater
And
Treatment
Education
Roundtable**

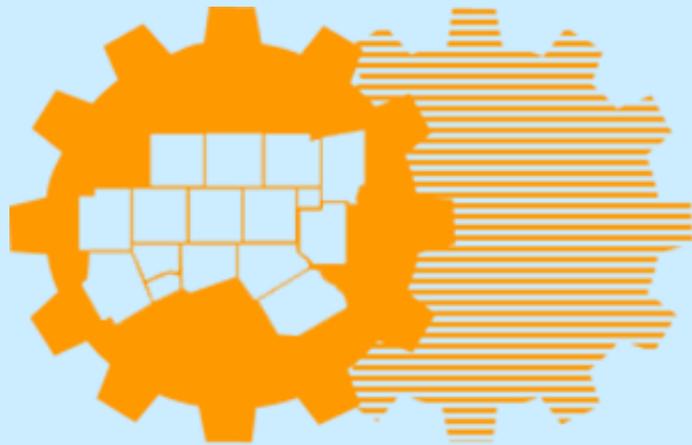
Agenda

1. Welcome and Introductions
2. FY2019 Work Program Discussion
3. 2018 Holiday Grease Roundup Update
4. Regional Training Discussion
5. Social Media Campaign Update
6. General Updates
7. Member Highlight Presentation
8. Roundtable
9. Next Meeting Date
10. Adjournment



**Wastewater
And
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Education
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1. Welcome and Introductions



**North Central Texas
Council of Governments**



**Wastewater
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2. FY19 Work Program

- FY19 Commitment Form and Draft FY19 Work Program posted here: <https://www.nctcog.org/envir/committees/wasterwater-and-treatment-education-roundtable>

We are still accepting commitment forms for the FY2019 Work Program.

- Current Committed Funding Level: **\$36,950**

FY2019 Committed Participants		
City of Arlington	City of Colleyville	City of Duncanville
City of Irving	City of Keller	City of Lewisville
City of Mansfield	City of North Richland Hills	City of Richardson
City of Rowlett	North Texas Municipal Water District	Upper Trinity Regional Water District

3. Holiday Grease Roundup

- Dates: Monday, November 26, 2018 through Monday, January 7, 2019
- Flyer Templates and Promotional Materials have been sent out
- **Current Participants:** Cedar Hill, Denton, Duncanville, Garland, Lewisville, Mansfield, North Richland Hills, NTMWD, Richardson, and Watauga
- <http://www.ceasethegreasentx.com/> now directs to the Cease the Grease Campaign page on the new Defend Your Drains North Texas Website at <http://www.defendyourdrainsnorthtexas.com/>



Participant	Gallons Collected		
	2015	2016	2017
Addison	40	30	-
Arlington	70	250	-
Bedford	30	-	-
Carrollton	-	60	-
Cedar Hill	-	-	275
Coppell	250	250	-
Dallas Water Utilities	1020	2009	-
Duncanville	150	200	-
Fort Worth	1033	1180	-
Garland	29	78	339
Grand Prairie	390	225	210
Lewisville & Upper Trinity Regional Water District	-	47	130
Mansfield	84	238	302
McKinney	67	581	-
North Richland Hills	-	388	350
NTMWD	-	-	37
Red Oak	-	100	-
Richardson	-	40	100
Total	3163	5676	1743

4. Grease Interceptor Inspector Training

- Instructor: Neal Klimek, Knowgrease Services
- Dates: October 1 through 2, 2018
- Number of attendees: 25
- Waitlist: 6
- Topics covered included: wastewater collection system concerns, commercial inspections, grease vessel information, and two site visits.

Trainee Evaluations

1. Did this workshop meet your expectations?
 - 13 responses (25 attendees)
 - 100% answered “yes.”
 - “We learned a lot of tips on the improvements we need to make to our own program.”
2. How could this workshop be improved?
 - Add capability to offer continuing education credits
 - Condense training to 1 ½ days
 - Conduct an actual inspection of the grease trap during site visits and have equipment handy
3. Suggestions for related workshops:
 - Pre-treatment and backflow



5. Social Media Campaign Update & Deliverables

- No paid marketing
- August - October 2018 Twitter Analytics:
 - 2,366 tweet impressions



5. Social Media Campaign Update & Deliverables

Front

DEFEND YOUR DRAINS

www.DefendYourDrainsNorthTexas.com

TRASH IT
These items can clog pipes and cause blockages even if labeled "flushable." Throw them in the trash to prevent expensive plumbing repairs.

WIPES
Wipes don't break down when flushed down the toilet.

PAPER TOWELS
Paper towels are designed to be absorbent and strong and to not break down in water, so they will clog your plumbing.

FEMINE HYGIENE
Pads and tampons are very absorbent and don't break down like toilet paper. They commonly cause plumbing issues.

PERSONAL CARE
Everyday personal care products like cotton swabs and dental floss tangle up in your drains and can clog your plumbing.

Back

DEFEND YOUR DRAINS

www.DefendYourDrainsNorthTexas.com

DISPOSE RESPONSIBLY
These products can damage your pipes and negatively impact the quality of our lakes, rivers, and streams.

FATS, OILS, AND GREASE
Your drains don't love bacon as much as you do. Recycle used cooking oil at a drop-off location.

MEDICINES
The best medicine for your drains is no medicine. Return extra and expired medicines at take-back events.

CLEANING PRODUCTS
Household cleaning products may clean your home but large amounts can be dangerous going down the drain. Take leftover products to the hazardous waste collection center.

PAINTS
Leftover paint and pesticides are considered hazardous waste and should be carefully taken to a hazardous waste collection center.

PESTICIDES



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PESTICIDES

www.DefendYourDrainsNorthTexas.com

6. General Updates

- Stormwater Cooperative Purchase Update and Survey
- Water for Texas Conference – January 23 to 25, 2019
- Water Resources Educational Clearinghouse Advisory Group

7. Highlight Presentation

Elijah Dorminy
City of Irving



Elijah Dorminy
Environmental Compliance Supervisor
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

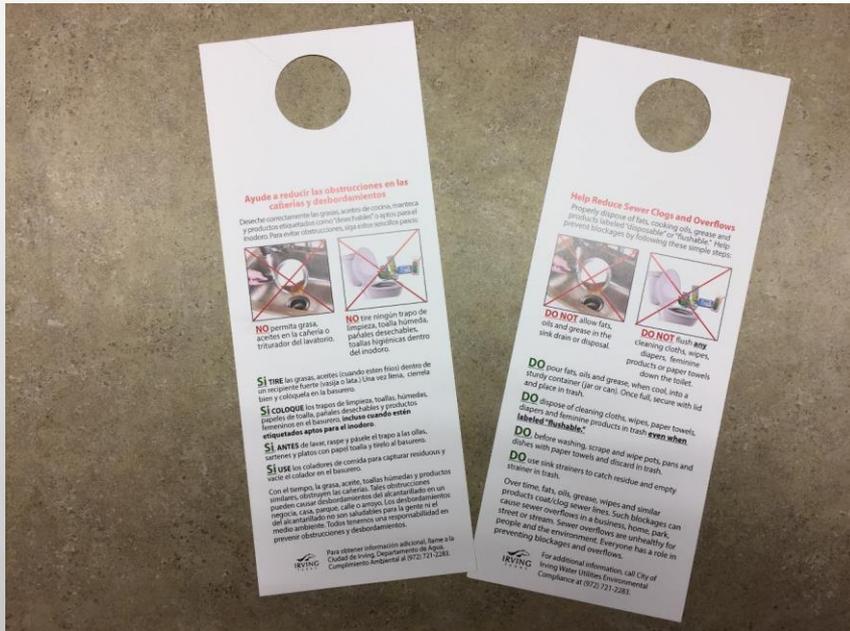


Public Education

- 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

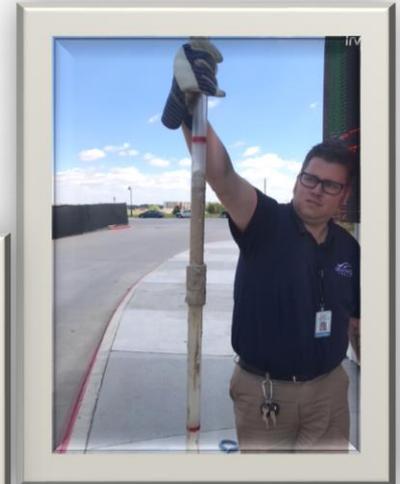
-OR-

- Plumbing Issues

- Have seen a decrease of Apartment Overflows since initiation.

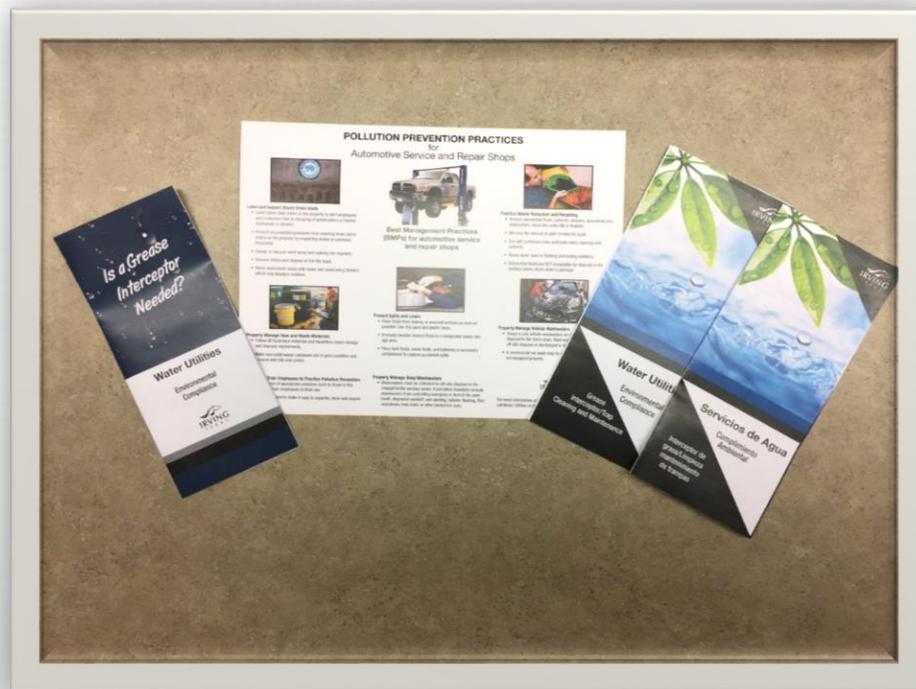
Grease Trap Inspections/ Plan Review

- 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 Traktl.
- 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?



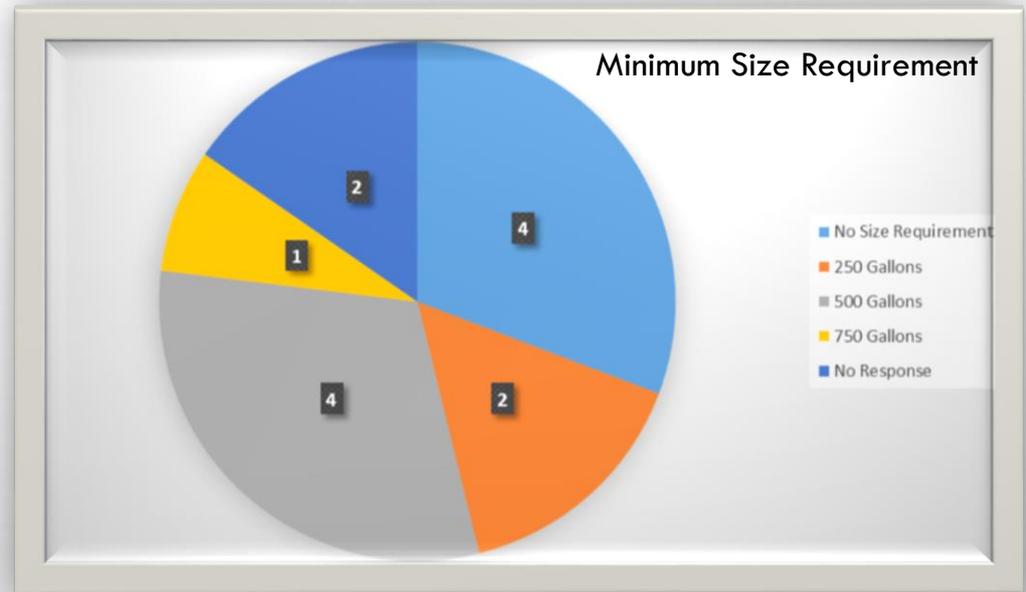
Our Pick-Up Program

- 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?

ELIJAH DORMINY

EDORMINY@CITYOFIRVING.ORG

(972) 721-2294

Roundtable & Next Meeting Date

8. **Roundtable:** What's happening in your community?

9. **Next meeting date:** Tuesday, January 8, 2018 at 10 a.m.

Regional Forum Room

10. **Adjournment**

Contact

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