

# Water Resources Council

September 27, 2018



North Central Texas Council of Governments

Environment  
& Development

[www.nctcog.org/WaterResources](http://www.nctcog.org/WaterResources)

## 1. Welcome and Introductions.

# Action Items

## 2. Meeting Summary.

- I. The June 21, 2018 meeting summary will be presented for approval.

# Action Items/Presentations

## 3. Presentation from the City of Irving.

- I. Steve Pettit, City of Irving, will present over the Environmental Protection Agency (EPA) Sanitary Sewer Overflow Evaluation Inspection and Audit the city experienced.

# Tips & Lessons Learned from EPA SSO Audit & Inspection

Water Resources Council Meeting  
September 27, 2018



# Timeline

- August 2016 – EPA notified TRA that they wanted to audit all of TRA's customer cities
- September 2016 – Irving completed the EPA SSO Pre-Inspection Checklist and submitted it to EPA
- March 2017 – EPA SSO Compliance Evaluation Inspection
- June 2017 – EPA provided Irving the inspection report
- September 2017 – Irving received final determination letter

# Pre-Inspection Checklist

- Collection System Description
  - Service Area
  - Miles, age, material of sanitary sewer
  - SSO response and reporting
- Lift Stations
  - Back-up power
  - Inspections
  - Monitored by SCADA
- Satellite Systems
- Performance Indicators
  - CMOM
  - TCEQ SSOi
  - SOPs
  - I/I analyses
  - Sewer cleaning and inspection goals
  - Staff Training
  - Asset Management
  - Funding and CIP

# Tips for Completing Checklist

- Keep good documentation of your CMOM Program and SSO response
  - Work Orders
    - Sewer cleaning
    - CCTV
    - Lift Station maintenance
  - SOPs
    - Dispatch
    - Maintenance
    - SSO reporting
- Identify subject matter experts within your department to provide data for each section of the checklist
- Provide accurate and complete answers to the questions
- Utilize information from TCEQ SSOi Progress Reports

# EPA SSO Compliance Evaluation Inspection

<u>Documentation Review</u>	<u>Discussion Items</u>	<u>Site Visits</u>
<ul style="list-style-type: none"> <li>• Customer inquiries or complaints</li> <li>• Work orders</li> <li>• SSO “non-compliance” reports</li> <li>• Any other SSO identification and response documentation</li> </ul>	<ul style="list-style-type: none"> <li>• CMOM program</li> <li>• SSO response</li> <li>• SSO reporting</li> <li>• Hot spot identification and mitigation</li> <li>• Asset management process</li> <li>• Specific O&amp;M processes (lift stations, pumps, etc.)</li> <li>• CIP development</li> <li>• Service line replacement ordinance</li> <li>• Backup power</li> <li>• Budget (is it adequate)</li> <li>• Staff (is it adequate)</li> <li>• Capacity (any issues)</li> <li>• Spare parts</li> <li>• Alarm systems</li> <li>• Service line issue identification and replacement</li> <li>• SOPs</li> <li>• I/I mitigation</li> <li>• FOG ordinance</li> </ul>	<ul style="list-style-type: none"> <li>• SCADA system</li> <li>• Lift Stations</li> <li>• Call center</li> <li>• Representative manholes</li> <li>• Any Illicit discharges</li> <li>• Pertinent maps</li> <li>• CCTV and Jet Vac. Systems in process</li> <li>• Any other representative SSO hot spots</li> </ul>



# Tips for EPA Inspection

- Plan ahead
- Be organized
- Identify staff and documentation required
- Have staff available for inspection
- Have all data organized and available for inspection
- Have staff available for Lift Station visits
- Show off cleaning and CCTV operations

EPA Collection System Inspection Items		
22-Mar-16		
EPA may ask for the following documentation as relevant covering the past three years:		
<u>Item</u>	<u>City Staff Member</u>	<u>Notes</u>
Customer inquiries or complaints	Tom Moore	
Work orders	Dan McMahon	
SSO "non-compliance" reports	Ken Roseberry	
Any other SSO identification and response documentation	Ken Roseberry	
The inspection team will need to understand or observe the City's O&M program as it prevents SSOs. We therefore may ask for a description or documentation of such items as the City's:		
<u>Item</u>	<u>City Staff Member</u>	<u>Notes</u>
CMOM program	Ron Billey/Hugh Card	See EPA Checklist, SSO Initiative Report
SSO response	Ron Billey/Hugh Card	See SORP
SSO reporting	Ken Roseberry	TCEQ form submitted within required time frame
Hot spot identification and mitigation	Ron Billey/Hugh Card	30, 60, 90-day PMs
Asset management process	Ron Billey/Hugh Card	30, 60, 90-day PMs; work orders, complaints used to determine CIP
Specific O&M processes (lift stations, pumps, etc.)	Jeff Sawyer	
CIP development	Steve Pettit	See Sewer Replacement Criteria
Budget (is it adequate)	Steve Pettit	See 5 year CIP
Capacity (any issues)	Steve Pettit	Updating Wastewater Master Plan
Spare parts	Jeff Sawyer	
Service line issue identification and replacement	N/A	City not responsible for service line past property line
SOPs	Multiple	See Page 5 of Checklist
I/I mitigation	Ron Billey/Hugh Card	SSOS studies done as part of SSOi; CIP developed; some repairs made in-house
FOG ordinance	Ken Roseberry	Grease traps must be cleaned every 90 days
Service line replacement ordinance	N/A	
Backup power	Jeff Sawyer	
We may also want to visit the:		
<u>Item</u>	<u>City Staff Member</u>	<u>Notes</u>
SCADA system	LaMont Traylor	
Lift Stations	Jeff Sawyer	
Call center	Dispatch	
Representative manholes	Ron Billey/Hugh Card	
Any Illicit discharges		
Pertinent maps	Brad Simpson	
CCTV and Jet Vac. Systems in process	Ron Billey/Hugh Card	
Any other representative SSO hot spots	Ron Billey/Hugh Card	

# Lessons Learned

- Have the correct staff available
- Have information available when inspectors arrive
- Thorough Checklist reduces questions
  - EPA did not ask questions about information provided in Checklist
- Be able to explain SSO response from the time the event was recorded to resolution and reporting
- EPA was interested in how “private” SSOs were handled
- EPA wanted SOPs for all processes

# Questions

# Action Items/Presentations

## 4. Wastewater And Treatment Education Roundtable (WATER) Presentation.

- I. NCTCOG will present and provide an overview of the WATER Roundtable.

# WASTEWATER AND TREATMENT EDUCATION ROUNDTABLE (WATER)



**Wastewater  
And  
Treatment  
Education  
Roundtable**

# Background & Mission

- WATER is an educational partnership between NCTCOG, municipalities, and water utilities in the North Central Texas region.
- Mission: To help reduce potential damage to the region's household plumbing systems and wastewater treatment systems and decrease hazards to water quality (i.e. wipes, paper towels, medicines, fats, oils and grease (FOG), etc.)

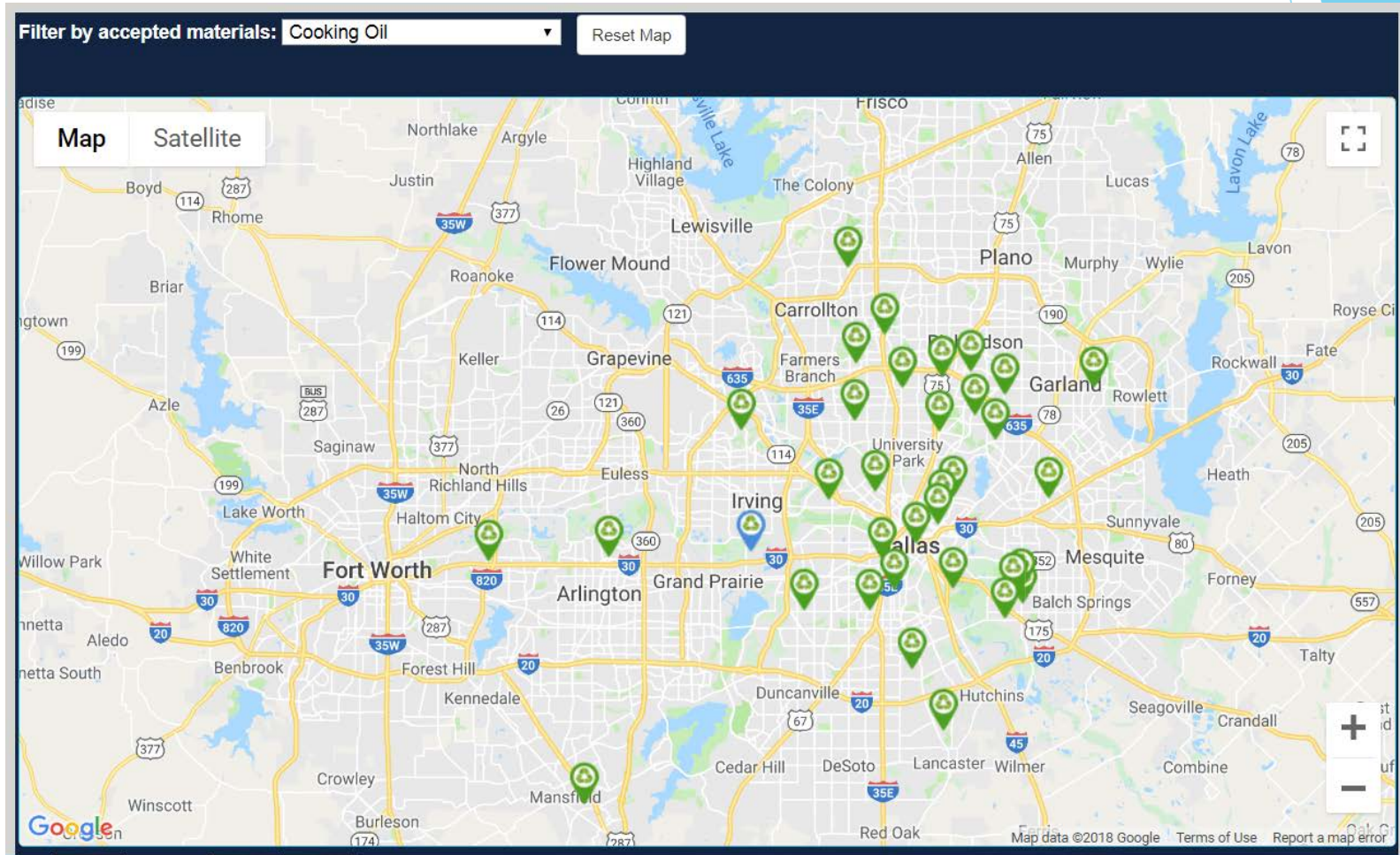
# Defend Your Drains

- Education and Outreach
  - Social Media (Facebook):  
<https://www.facebook.com/DefendDrainsNTX/>
  - Website:  
<http://www.defendyourdrainsnorthtexas.com/>
- Cease the Grease
  - Holiday Grease Roundup
  - <http://www.ceasethegreasentx.com/>



# Defend Your Drains

- Take Back and Disposal Locations Map:  
<http://www.defendyourdrainsnorthtexas.com/takeback-map.html>





# Training & Meetings

- Annual Regional Training
  - Grease Interceptor Inspector Training (2018)
  - Field Technician Training (2017)
- Meetings - Held quarterly at NCTCOG Offices
  - Next meeting November 6, 2018 at 10 a.m. in the Regional Forum Room



# Funding & Member Benefits

- The annual work program is funded by individual cost shares calculated according to population size categories
- Cost-share member benefits:
  - Discount on WATER training registration fees
  - Priority registration for trainings
  - Access to media files (flyer and banner designs, etc.)
  - Organization logo posted to DYD website
- You are not required to be a cost-share member to attend and participate in the meetings

# Questions?

## Contact

- ▶ Cassidy Campbell
- ▶ Senior Environment and Development Planner
- ▶ [ccampbell@nctcog.org](mailto:ccampbell@nctcog.org)
- ▶ 817-608-2368

# Discussion Items

## 5. Development of Committee By-Laws

- I. The committee will discuss the development of By-Laws for the WRC.
  - I. [Regional Codes Coordinating Committee By-Laws](#)
  - II. [Resource Conservation Council By-Laws](#)

## 6. Regional Water Resources Education Clearinghouse Update.

- I. NCTCOG will provide an update on the Regional Water Resources Education Clearinghouse.

Name	Entity	Title
Dustan Compton	Tarrant Regional Water District	Regional Conservation Program Manager
Kathy Fonville	City of Mesquite/WENT	Water Conservation and Recycling Coordinator
Gail Donaldson	City of Allen	Water Conservation Manager
Katie Masucci	City of Plano	Environmental Education Coordinator
Brigette Gibson	City of Arlington	Stormwater Permit Supervisor
Ashley Meldrum	City of Lewisville	Laboratory Technician
Blake Alldredge	Upper Trinity Regional Water District	Education and Outreach
Laura Prater	City of Mansfield	Communications and Marketing Manager
Valerie McKito	City of Frisco	Water Education Coordinator
Rebecca Sales	City of Mansfield	Environmental Services and Water Utilities
Holly Holt	City of Dallas	Save Dallas Water - Division Manager
Susan Alvarez	City of Dallas	Assistant Director
Mendie White	City of Lewisville	Sustainability Manager
Aaron Hoff	Trinity River Authority	Watershed Coordinator
Rob McCormic	Park Cities Water	Lab Supervisor
Martha Cavazos Fipps	City of McKinney	Environmental Education and Community Outreach Coordinator
Chad Lorange	Tarrant Regional Water District	Communications Manager
Yvonne Dupre	City of Dallas	Project Coordinator
Niraj Acharya	TNP	Team Leader, Associate
Lorrie Reeves	City of Garland	Environmental Outreach Coordinator
Joyce Warren	City of Frisco	Water Resources Manager
Kasi Clay	City of Grand Prairie	Senior Environmental Specialist

# Discussion Items

## 7. Final 2018 Water Quality Management Plan.

- I. The Draft WQMP was endorsed by the NCTCOG's Executive Board at the July 26, 2018 meeting and approved by TCEQ on July 27, 2018. The final 2018 Water Quality Management Plan along with the interactive mapping tool is posted on the NCTCOG Website.

# Other Business and Roundtable Discussion

## 8. Roundtable.

- I. Members and staff share what's happening in their communities.

## 9. Schedule for Next Meeting.

- I. Thursday, January 17, 2018 in the Regional Forum Room at 10:30 AM.

## 10. Adjournment.

# Staff Contacts:

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