



# Stormwater Pollution Prevention & Illicit Discharge Detection and Elimination Roundtables

March 21, 2024

# Agenda

- Welcome and Introductions
- Pollution Prevention
  - FY23 Project Discussion
  - FY24 Special Project Discussion
  - FY24 Training “BMP Show and Tell”
- Illicit Discharge Detection and Elimination
  - FY24 Training Opportunities
- Other Stormwater Updates
- Roundtable
- Next Meeting Date

# Stormwater Pollution Prevention



# Pollution Prevention Discussion

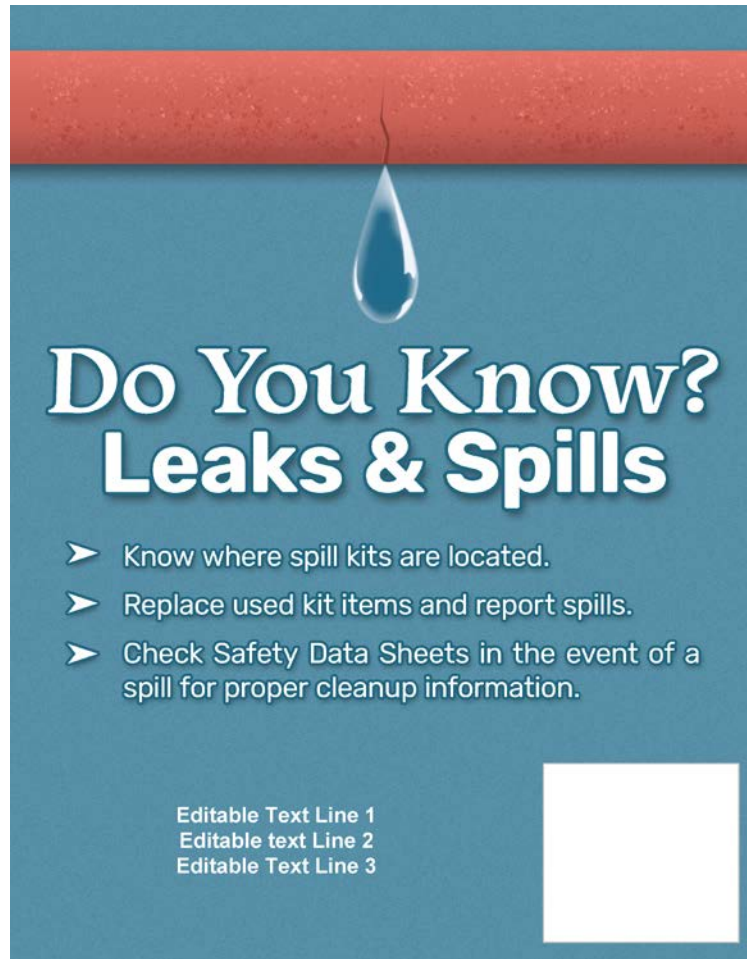
## FY23 Project Update

### **Monthly Themes:**

- Leak and Spill Cleanup
- Leak and Spill Prevention
- Safety Data Sheets
- Material Storage
- Inclement Weather
- Erosion Control
- Watering Best Practices
- Trash Management
- Staff Training and Record Keeping
- Pesticides and Herbicides
- Mowing and Debris Management
- Floatable Prevention/Control

# FY23 Project Update & Discussion

## Topic: Leak and Spill Cleanup



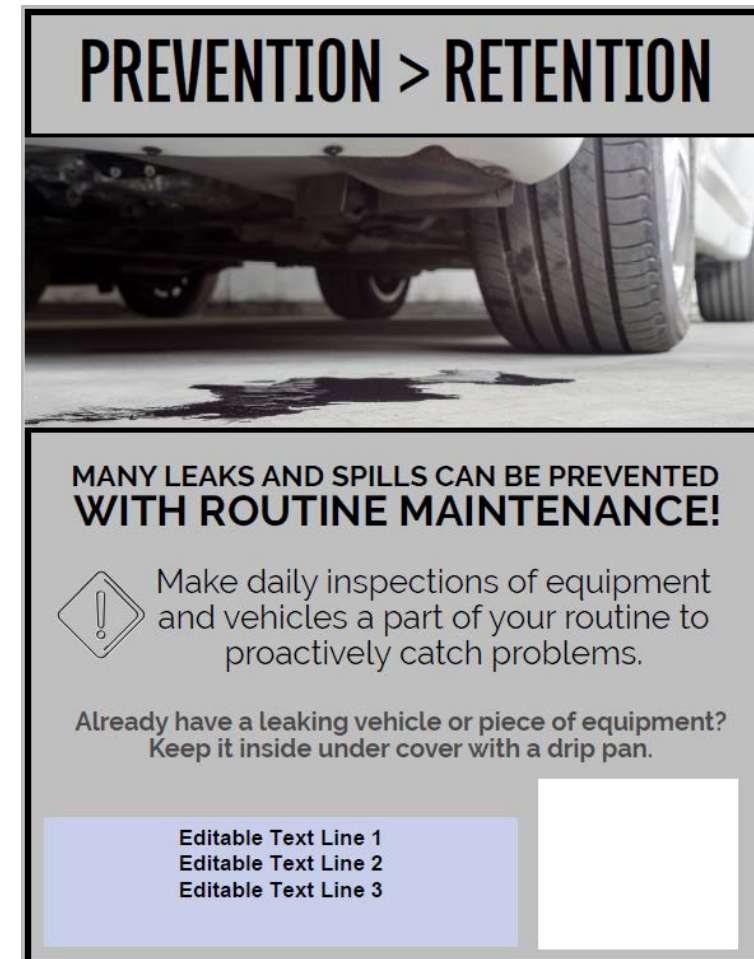
A graphic for 'Leak and Spill Cleanup' featuring a blue background with a red horizontal band at the top. A single blue drop is falling from the red band. The text 'Do You Know? Leaks & Spills' is prominently displayed in white. Below it is a bulleted list of three items. At the bottom left, there are three lines of 'Editable text' and a white square placeholder on the right.

**Do You Know?  
Leaks & Spills**

- Know where spill kits are located.
- Replace used kit items and report spills.
- Check Safety Data Sheets in the event of a spill for proper cleanup information.

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## Topic: Leak and Spill Prevention



A graphic for 'Leak and Spill Prevention' with a grey background. At the top, a grey box contains the text 'PREVENTION > RETENTION'. Below this is a photograph of a car's undercarriage with a dark oil spill on the ground. The main text reads 'MANY LEAKS AND SPILLS CAN BE PREVENTED WITH ROUTINE MAINTENANCE!' followed by a warning icon and a paragraph about daily inspections. Below that is a question about leaking vehicles and a recommendation to use a drip pan. At the bottom, there are three lines of 'Editable text' and a white square placeholder on the right.

**PREVENTION > RETENTION**

**MANY LEAKS AND SPILLS CAN BE PREVENTED WITH ROUTINE MAINTENANCE!**

 Make daily inspections of equipment and vehicles a part of your routine to proactively catch problems.

Already have a leaking vehicle or piece of equipment?  
Keep it inside under cover with a drip pan.

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# FY23 Project Update & Discussion

## Topic: Safety Data Sheets

**Stay Safe And Be In Compliance**


- Know where Safety Data Sheets are located.
- Keep Safety Data Sheets accessible.
- Check Safety Data Sheets in the event of a spill for proper cleanup information.



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## Topic: Material Storage

**STORAGE!  
STORAGE!  
STORAGE!**



**Storing materials in sealed, original containers indoors is always a best practice.**

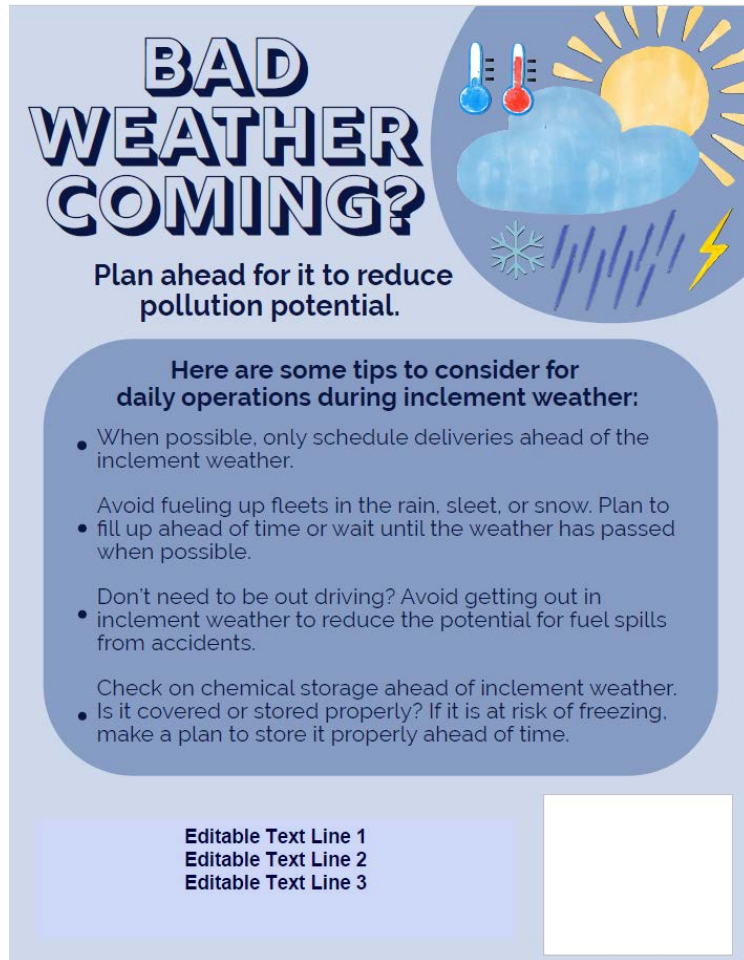
- ✦ Need to replace a container? Make sure the replacement container is clearly labeled.
- ✦ If storage of materials outside is necessary, opt for a covered and paved area and inspect them regularly for corrosion or signs of leaks.
- ✦ Store materials away from high traffic areas to help prevent accidents that might cause spills.
- ✦ For indoor storage areas, use a spill containment base. Dispensing drums should have a drip pan.
- ✦ Outdoor storage areas should be bordered by a curb or containment wall to help contain spills.

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# FY23 Project Update & Discussion

## Topic: Inclement Weather



**BAD WEATHER COMING?**

Plan ahead for it to reduce pollution potential.

Here are some tips to consider for daily operations during inclement weather:

- When possible, only schedule deliveries ahead of the inclement weather.
- Avoid fueling up fleets in the rain, sleet, or snow. Plan to fill up ahead of time or wait until the weather has passed when possible.
- Don't need to be out driving? Avoid getting out in inclement weather to reduce the potential for fuel spills from accidents.
- Check on chemical storage ahead of inclement weather.
- Is it covered or stored properly? If it is at risk of freezing, make a plan to store it properly ahead of time.

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## Topic: Erosion Control



**Dirt Will Hurt  
Keep It On Site**

- Stabilize an area after disturbing it.
- Mulch and then contain the mulch.
- If you see it, report it. Promptly report erosion control issues.

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# FY23 Project Update & Discussion

## Topic: Watering Best Practices

**SPRINKLER & IRRIGATION BEST PRACTICES**

It's just dirt, right?

Follow these watering and irrigation best practices to help prevent runoff of soil, pesticides, and fertilizers.

- Maintain sprinkler heads and irrigation systems to prevent unnecessary water loss.
- Don't water in the rain or freezing temperatures.
- Water at the right time of day.
- Refer to the label for pesticides and fertilizers to make sure you are applying them correctly and watering at the right time.

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## Topic: Trash Management

**TRASH - IT GOES WITH THE FLOW**

Not all littering is intentional, but it can be prevented. Trash tends to “go with the flow” but you can help keep escaped trash from becoming litter by following these simple suggestions.

- Keep trash picked up around your facility and grounds.
- Make sure the lids on dumpsters are kept closed to prevent animals, the wind, or other elements from scattering it.
- The back of your vehicle/truck is not a trash can.
- Keep a bag for trash inside your vehicle and never in the open bed of a truck where it can blow out.
- Prevent leaching from dumpsters and bins during wet weather events by plugging drain holes.

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# FY23 Project Update & Discussion

## Topic: Staff Training and Record Keeping

**DIDN'T WRITE IT DOWN?  
DIDN'T HAPPEN!**



Keep training records where  
you can **find** them.

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## Topic: Pesticides and Herbicides

**IS IT RAINING?  
I'M NOT SPRAYING!**



NEVER SCHEDULE PESTICIDE APPLICATIONS  
⚠️ WHEN PRECIPITATION OR HIGH WIND ⚠️  
CONDITIONS ARE IN THE FORECAST.

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# FY23 Project Update & Discussion

## Topic: Mowing & Debris Management

### Mulch Leaves Not Litter

- Pick litter and other debris up to prevent mulching it into small pieces.
- Don't blow or wash leaves, grass clippings, other debris into the street.
- Mulch or blow leaves and grass clippings back onto the lawn or bag them for disposal. Never blow them down a stormdrain.
- Don't wash equipment in the street.



Big Litter  
(easy to pick up)

Small Litter  
(hard to pick up)

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## Topic: Floatable Prevention/Control

### ARE YOU PLANNING AN OUTDOOR EVENT?



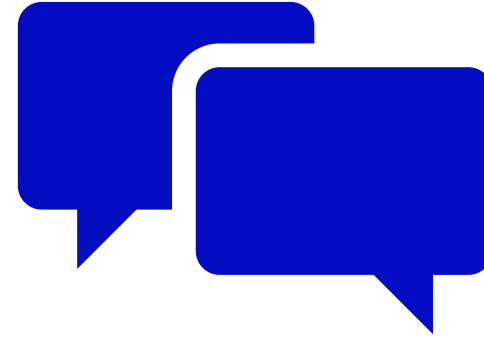
Plan for litter and floatable control with these best practices:

- Maintain toilets on a schedule to prevent an overflow.
- Map out trash and/or recycling locations to ensure there are enough bins placed at the right locations.
- Maintain a schedule for emptying trash and/or recycling bins to prevent overflow issues.
- Make sure event staff know how and who to report trash or toilet issues to so problems are addressed quickly.

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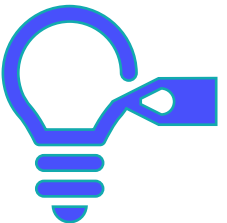
# FY23 Project Update & Discussion

- Final feedback on all draft graphics?
- Finalized posters and message templates posted to website
- All messages together in one file; separate zipped file for posters



# FY24 Special Project

- Survey showed strongest interest in updating the template for [Municipal Pollution Prevention BMP Posters](#)
- Desired updates to be made:
  - Updated photos as needed
  - Layout or color scheme modernized
  - Text and messaging updated as needed



# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## DRAINAGE MAINTENANCE: INLETS, CATCH BASINS



### Inlets & Structural Controls

- Maintain and inspect inlets and structural controls as required.



### Litter & Debris Removal

- Properly dispose of litter and debris removed from inlets.



### Storm Drain Markers

- Apply storm drain markers to inlets that show evidence of dumping.



### REPORT POLLUTION & ILLEGAL DUMPING

Be our eyes—look for and report signs of water pollution.

Signs include odor, an oily sheen on the water's surface, colored or cloudy water, dead or dying fish, and excess trash.

Report spills and issues to [Contact Department, Phone Number].

[City Logo]



# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## SOIL & EROSION CONTROL



### Recovered Soil

- Soil may be used on site as fill or stockpiled for another land application.



### Stockpiles

- Locate stockpiles out of the street and away from flowing water or runoff.
- Capture sediment using appropriate methods.
- Cover soil and sand stockpiles to prevent erosion.



### Exposed Soils

- Apply grass seed to prevent erosion.
- Protect channels by using turf reinforcement mats until vegetation is established.



### Erosion & Sediment Control

- Use erosion control methods such as erosion control blankets, vegetation, or mulching.
- Use sediment control methods such as mulch berms.



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[City Logo]

# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## STREETS MAINTENANCE: CLEANUP



### Trucks, Equipment, & Tools

- Clean trucks, equipment, and tools in designated wash facilities.



### Cleaning Equipment Outdoors

- When wash facilities are not available, clean equipment over catch trays or absorbents spread on an impervious surface.



### Absorbent Cleanup

- Promptly sweep up spent absorbents and dispose of them according to established procedures.



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[City Logo]

# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## STREETS MAINTENANCE: PAVEMENT REPAIR



### Saw-Cutting Operations

- Vacuum slurry and cuttings while working.
- Dispose of slurry according to established procedures.



### Asphalt Stockpiles

- Locate stockpiles on a paved surface.
- Cover the stockpiles to prevent contact with rain.



### Stormwater Protection

- Protect inlets while working.
- Use appropriate erosion and sediment control methods.
- Inspect control methods as needed.



### Asphalt Patching

- Mix only the necessary amount.
- Use biodegradable products rather than diesel.
- Sweep up and properly dispose of all spent material.



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[City Logo]



# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## SOLID WASTE OPERATIONS: TRASH COLLECTION



### Liquid & Hazardous Waste

- Do not pick up liquid waste, such as used motor oil, paint, antifreeze, cooling liquids, and cooking oil.
- Do not pick up flammables, toxic waste, or explosives, such as used batteries, solvents and fuels, pesticides and fertilizers, fireworks and ammunition, fluorescent bulbs, and pool chemicals.
- Notify residents about household waste collection opportunities.



### Litter Awareness

- Notify residents of persistent problems with scattered trash.
- Watch the area around the hopper and avoid leaving litter behind.
- Pick up any trash that falls from the truck during compaction.
- Cover open-topped trucks or roll-off containers with tarps.



### Spills

- Carry spill kits on collection trucks and service vehicles. Kits should include brooms, shovels, absorbents, pop-up pools, and gloves.
- Clean up spills immediately.



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[City Logo]

# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## SOLID WASTE VEHICLE OPERATION



### Leaks & Spills

- Check vehicles frequently for leaking fluids. Notify supervisors of major leaks.
- If a major leak occurs, take steps to stop the leak if possible. Contain the leak using absorbents.
- Immediately clean up spills.



### Malfunctioning Equipment

- Report any malfunctioning equipment to supervisors.



### Washing Vehicles

- Wash collection trucks only in facilities where wash water either drains to the sanitary sewer system or is collected and recycled.



### Hopper Drain

- Make sure that hopper drain plugs are always sealed during collection.



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[City Logo]



# DO YOUR PART—KEEP POLLUTION OUT OF STORM DRAINS & WATERWAYS

## WATER MAIN REPAIR / DEWATERING



### Stormwater Protection

- Protect inlets while dewatering for sediment removal.
- Use appropriate erosion and sediment control methods.



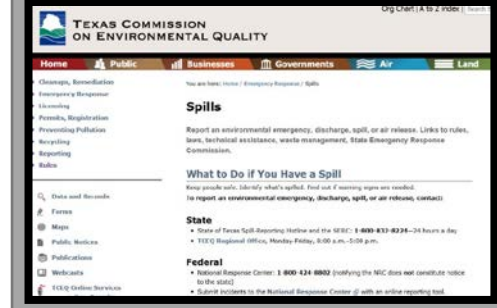
### Dechlorination

- Potable water releases must be dechlorinated.



### Cleanup

- At the end of the discharge event, dechlorination agents must be removed.
- Clean up sediment from the street and inlet protection.
- Use a street sweeper if needed.
- Do not wash sediments down the storm drain.



### Reporting

- Report spills, accidental discharges, and fish kills to supervisors immediately.
- Supervisors will report appropriate spills to TCEQ within 24 hours, and will report fish kills to TCEQ and TPWD immediately.



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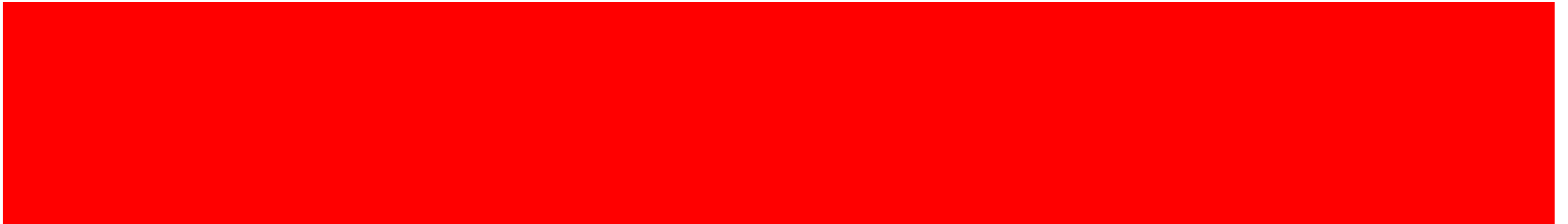
# FY24 Training “BMP Show and Tell”

## **Peer-to-Peer Information Sharing/Training Opportunity:**

- BMP Show and Tell Roundtable
  - Presentations from:
    - Fort Worth
    - Mansfield
    - Prosper
- Date: Tuesday, June 18, 2024
- Time: 10:00 – 11:30 am
- Registration: <https://evt.to/emoisgmdw>



# Illicit Discharge Detection and Elimination



# Illicit Discharge Detection and Elimination FY24 Training Discussion

- Industrial Inspector Workshop
  - April 30<sup>th</sup> at Owens Corning Plant in Irving
  - Draft Agenda
  - Registration will be available soon

# Illicit Discharge Detection and Elimination FY24 Training Discussion

- Dry Weather Screening
  - Volunteer Opportunities Still available
  - Venue
    - City of Irving?
    - Screening at an outfall?



# Other Stormwater Updates

- Initial draft of the Stormwater Monitoring proposal for the Fifth Term is being reviewed by TCEQ – minimum of 60 days before we receive any feedback.
- NCTCOG will be providing an overview presentation to the TCEQ Stormwater Staff & EPA Region 6 in the coming weeks.

# Events

- Stormwater Pollution Prevention Practices During Construction for **Plan Reviewers** ([April 2](#)) and **Field Inspectors** ([April 3](#)), NCTCOG Offices
- 2024 [National Watershed and Stormwater Conference](#), Kansas City, April 8-11, 2024
- [Texas Water Conference](#), Fort Worth, April 9-12, 2024
- TCEQ [Environmental Trade Fair & Conference](#), Austin, May 14-15, 2024
- IECA [South Central Conference & Expo](#), San Marcos, October 7-8, 2024

# Roundtable Discussion

NOW, IT'S YOUR TURN...



# Upcoming Meetings

P2/IDDE  
Meeting



**Time: 9:30 am**

**Location:  
NCTCOG Offices**

PETF Meeting



**Time: 9:30 am**

**Location:  
Microsoft Teams**

TMDL Stormwater  
Subcommittee  
Meeting



**Time & Location:  
TBD**

# Important Date To Remember

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**Next Meeting: RSWMCC**



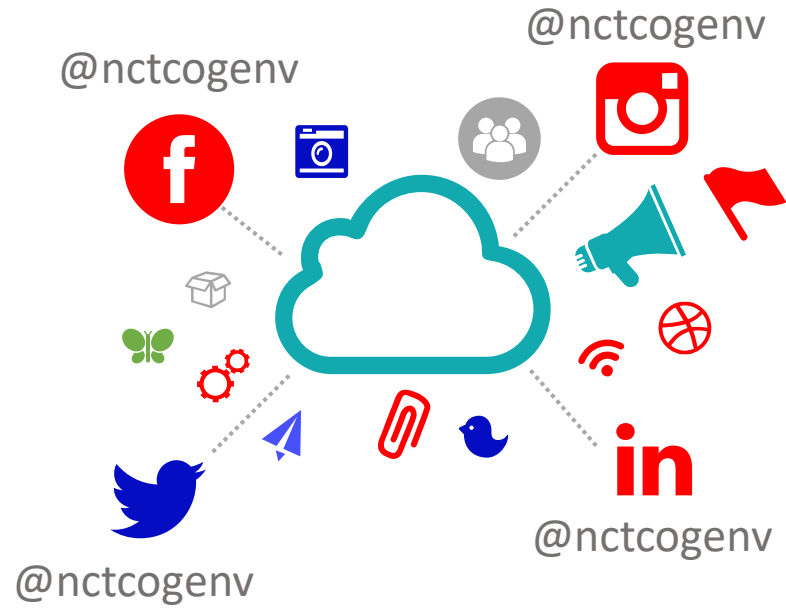
**Time: 9:30am**

**Location: Microsoft Teams**



# Social Media

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# Stormwater Staff

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**IDDE, Stormwater  
Monitoring, iSWM**

