



# Stormwater Pollution Prevention & Illicit Discharge Detection and Elimination Roundtables

**December 7, 2023**

# Agenda

- Welcome and Introductions
- Pollution Prevention
  - FY23 Project Update & Discussion
  - FY24 Special Project
  - FY24 Training Opportunities
- Illicit Discharge Detection and Elimination
  - FY24 Project Discussion
  - 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

[- Draft FY23 Message Templates](#)

[- Draft FY23 Posters](#)

# FY23 Project Update & Discussion

## Topic: Leak and Spill Cleanup



**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.

## Topic: Leak and Spill Prevention

**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.

# 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.



## 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. Storing materials away from high traffic areas to help prevent accidents that might cause spills is always a good idea.

For indoor storage areas, use a spill containment base and dispensing drums should have a drip pan. Outdoor storage areas should be bordered by a curb or containment wall to help contain spills.

# 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.

## 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.

# 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. Refer to the label for pesticides and fertilizers to make sure you are applying them and then watering at the right time.



## 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.





# FY23 Project Update & Discussion

## Topic: Staff Training and Record Keeping



## Topic: Pesticides and Herbicides



# 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.
- Don't wash equipment in the street.

**Big Litter**  
(easy to pick up)

**Small Litter**  
(hard to pick up)

## Topic: Floatable Prevention/Control



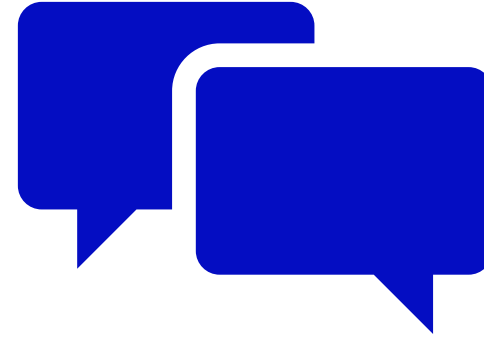
### IS YOUR CITY PLANNING AN OUTDOOR EVENT?

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.

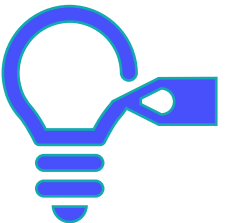
# FY23 Project Update & Discussion

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



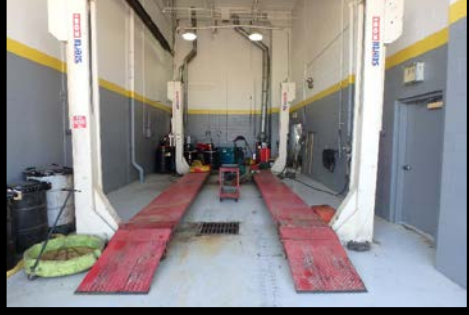
# FY24 Special Project

- Survey showed strongest interest in updating the template for [Municipal Pollution Prevention BMP Posters](#)
- Desired updates to:
  - Print size(s)?
  - Photos?
  - Layout or color scheme?
  - Text and messaging?
  - Changes to best practices?



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

## FLEET MAINTENANCE



### Vehicle & Equipment Maintenance/Cleaning

- Perform maintenance and cleaning in designated areas.



### Parts Cleaning

- Wash parts in designated cleaning stations.
- Make sure parts fully drain before removing them.



### Leaking Vehicles

- Park leaking vehicles under cover.
- Use a drip pan or absorbents for collection.



### Fueling

- Inspect fueling areas often, and clean as needed.
- Don't top off the fuel tank!
- Know the locations of the emergency shut-off button and spill kit.



## 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

## FLEET MAINTENANCE



### Spills

- Clean up spills immediately.
- Use a drip pan or absorbents for collection.
- Place spent absorbents into appropriately labeled disposal containers.



### Cleaning Outside Work Areas

- Clean regularly. Take extra precaution if rain is forecast.
- Use dry methods such as sweeping—don't hose down the work area.
- Make sure that trash receptacles are emptied as needed.



### Cleaning Shop

- Use dry methods for cleaning when possible.
- Dispose of mop water properly. It should go into the sanitary sewer system.
- Promptly dispose of waste.



### Used Fluid, Filter, & Battery Disposal

- Store items under cover or in secondary containment.
- Store used fluids in labeled containers.
- Recycle or properly dispose of used fluids, hydraulic filters, and batteries.



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[City Logo]

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

## MATERIALS STORAGE



### Instructions & Procedures

- Follow label or safety data sheet (SDS) instructions and established procedures.
- Contact supervisors with questions.



### Safe Materials Storage

- Store materials away from high-traffic areas (ideally, indoors in sealed containers).
- Use original or clearly labeled replacement containers.



### Containers

- Keep containers closed or sealed when not in use.
- Inspect containers regularly.
- Replace any damaged containers.



### Spill-Trapping Devices

- Store materials on a spill containment base.
- Border storage areas with a curb, berm, or similar method.

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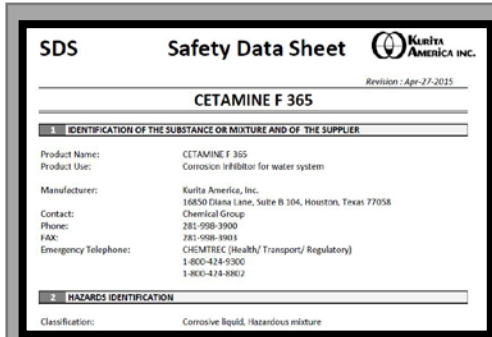
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[City Logo]

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

## SPILLS



### Instructions & Procedures

- Follow cleanup instructions specified on the label or safety data sheet (SDS) and established procedures.
- Contact supervisors with questions.



### Containment

- Isolate and stop the leak if possible.
- Collect liquid spills with a drip pan or absorbents.
- Protect inlets if spills may enter a storm drain.
- Cover a powder spill with plastic sheeting to keep it from spreading.



### Cleanup

- Immediately clean up nonhazardous spills.  
—For liquid spills: Use absorbents.  
—For all spills: Don't hose down the spill.
- Notify proper personnel to clean up hazardous spills.



### Disposal

- If spilled dry material is usable, put it in the original or properly marked container.
- Otherwise, follow proper disposal procedures.



## REPORT LARGE OR HAZARDOUS SPILLS

Immediately report large or hazardous spills to your supervisor or environmental department staff.

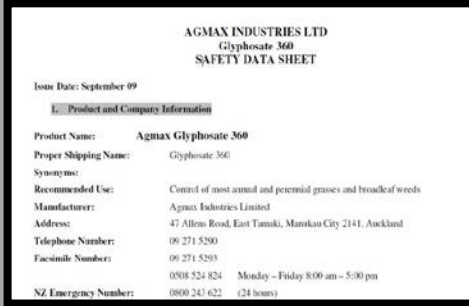
[Contact Department, Phone Number]

[City Logo]



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

## PARKS & GROUND MAINTENANCE: CHEMICALS



### Instructions & Procedures

- Follow label or safety data sheet (SDS) instructions and established procedures related to chemical use, safety, storage, and disposal.
- Contact supervisors with questions.



### Choosing the Right Product

- Use nontoxic products when possible.
- Use chemicals only as needed.
- Select the appropriate product for the problem.



### Mixing & Applying Chemicals

- Mix chemicals at a proper location (such as on pavement away from storm drains).
- Mix only the amount required.
- Only apply if weather permits (no rain forecast, not windy).
- Avoid sensitive areas such as waterbodies or inlets.
- Apply only where needed.
- Avoid overspray.



### Leaks & Spills

- Regularly inspect vehicles and application equipment for leaks. Make sure to check hoses and seals.
- Clean up spills immediately.
- Use a drip pan or absorbents for collection.
- Sweep up dry material.



### BE OUR EYES

Report leaks, spills, and faulty equipment.

Report any suspected issues with chemical applications to the licensed pesticide applicator.

[Contact Department, Phone Number]

[City Logo]

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

## PARKS & GROUND MAINTENANCE: SOIL & DEBRIS MANAGEMENT



### Clippings & Trimmings

- Mow grass as high as possible. Leave clippings on the lawn, out of roadways.
- Sweep or blow clippings and trimmings onto the grass—or compost them.



### Storm Drain Inlets

- Remove litter and debris from inlets.
- Gather clippings and other debris, and dispose of them properly—*not* down the storm drain.



### Compost & Mulch

- Use compost as a soil amendment, or shred leaves and add to flower beds as mulch.



### Soil Management

- Limit soil erosion.
  - For bare areas, plant vegetation.
  - For landscaped areas, use mulch or matting.



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[City Logo]

# FY24 Training Opportunities

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

- BMP Show and Tell Roundtable
  - 3 volunteers needed
  - 15-20 minute presentations
  - BMP(s) of your choice
    - *How are they working?*
    - *What types of barriers were encountered when implementing?*
    - *Was staff training needed?*
    - *What is being measured or prevented?*
    - *How do you measure and report on performance?*
    - *How are they funded or paid for?*
- See examples from previous [Municipal BMP Show and Tell](#)



# Illicit Discharge Detection and Elimination



# Illicit Discharge Detection and Elimination FY24 Project Deliverables

- Manure Management BMP Brochure
- Construction General Permit 2023 Update Infographic

# Illicit Discharge Detection and Elimination FY24 Training Discussion

- Dry Weather Screening Workshop
- Industrial Inspector Workshop

# Other Stormwater Updates

- The [Stormwater Monitoring Task Force](#) has been developing the proposal for the next program term.
- The currently approved schedule includes continuing monitoring activities in calendar year 2024.

# News

- Amendment to final revised WOTUS rule [information page](#)
- Water Finance Center: [Financing Stormwater Management Infrastructure](#) new learning module
- EPA's [Bioretention Design Handbook](#)
- AgriLife Today Article - [Big City Solution: Installing Green Stormwater Infrastructure Slows Down, Cleans Up Runoff](#)



## Feedback Requested - Climate Pollution Reduction Grant (CPRG) Public Survey

We need your Feedback in the following areas:

- 1) Transportation (includes on-road, aviation/airport, non-road and rail subtopics);
- 2) Energy (includes residential, commercial/industrial, and power generation subtopics);
- 3) Solid Waste, Water, and Wastewater;
- 4) Agriculture/Natural and Working Lands Sector; and
- 5) Carbon Removal Measures.

<https://www.publicinput.com/dfwAQIP>

The graphic features a dark blue header with the text "DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN" in white and green. A QR code is located in the top right corner. The main body is white with a green border at the bottom. It contains text about the project, a list of focus areas with icons, and contact information for written feedback.

**DALLAS-FORT WORTH  
AIR QUALITY  
IMPROVEMENT PLAN**

The North Central Texas Council of Governments is collaborating with local stakeholders in the Dallas-Fort Worth region to develop a comprehensive Air Quality Improvement Plan (DFW AQIP). The plan will create a roadmap to improve air quality, protect public health, and reduce the impacts of extreme weather events.

Your input is requested and important! Please go to [www.publicinput.com/dfwAQIP](https://www.publicinput.com/dfwAQIP) to make recommendations, attend an open house, and more.

**FOCUS AREAS:**

- Transportation 
- Energy 
- Solid Waste 
- Water 

Written feedback can be mailed to Savana Nance, Senior Air Quality Planner 616 Six Flags Drive, Arlington, TX, 76011. This work is funded by the Environmental Protection Agency's Climate Pollution Reduction Grants: Planning Grants.

# Events

- Stormwater Pollution Prevention Practices During Construction for **Plan Reviewers** ([December 19](#), [April 2](#)) and **Field Inspectors** ([December 20](#), [April 3](#)), NCTCOG Offices
- [Texas Water Conference](#), Fort Worth, April 9-12, 2024
- TCEQ [Environmental Trade Fair & Conference](#), Austin, May 14-15, 2024

# Roundtable Discussion

NOW, IT'S YOUR TURN...



# Upcoming Meetings

P2/IDDE  
Meeting



Time: 9:30 am  
Location: TBD

PETF Meeting



Time: 9:30 am  
Location: TBD

TMDL Stormwater  
Subcommittee  
Meeting



Time: 9:30 am  
Location:  
Microsoft Teams

# Important Date To Remember

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**Next Meeting: RSWMCC**

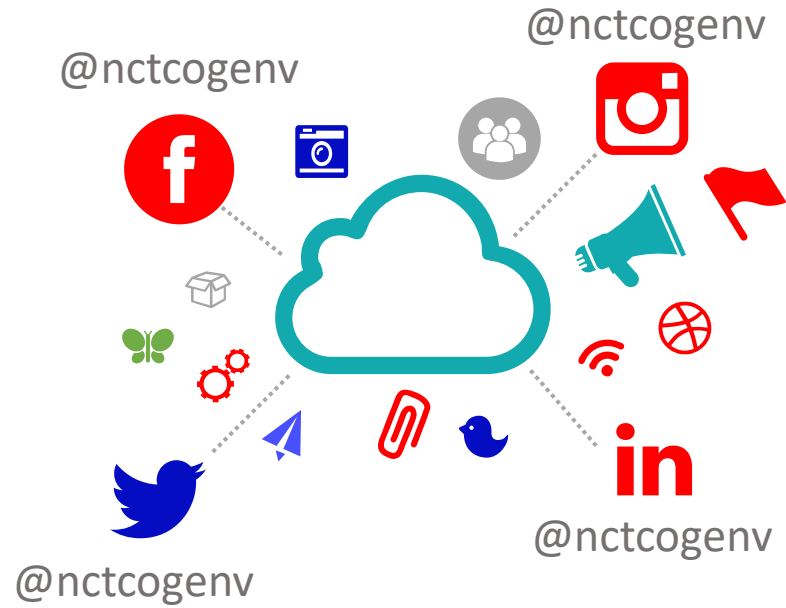


**Time: 9:30am**

**Location: NCTCOG Offices**

# Social Media

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# Stormwater Staff

**Crysta Guzman**

cguzman@nctcog.org

**RSWMCC, PETF, P2**

**Hannah Allen**

hallen@nctcog.org

**TMDL, WATER**

**Casey Cannon**

ccannon@nctcog.org

**IDDE, Stormwater  
Monitoring, iSWM**

