



Stormwater

**Industry Meeting
September 27, 2018**

What is Stormwater?

Rain or snowmelt that flows over streets, parking lots, buildings, lawns, etc, into the storm drain, through the outfall and into a creek, pond or other surface water.



Rain Run-Off



Storm inlet



Outfall



Pond



Stormwater Pollution

Run-off picks up contaminants as it flows over surfaces, such as:



Picture of blocked storm drain directly east of the Crosby Recreation Center parking lot.

TRASH



MOTOR OIL



SOAP



PAINT



SOIL & SILT



PET WASTE

Illegal Discharges to the Storm System



Cleaning Equipment



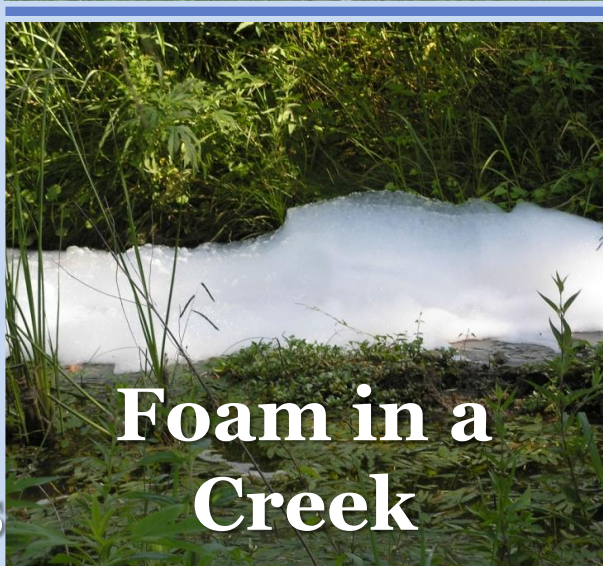
Illegal Connection



Overflowing Grease Trap



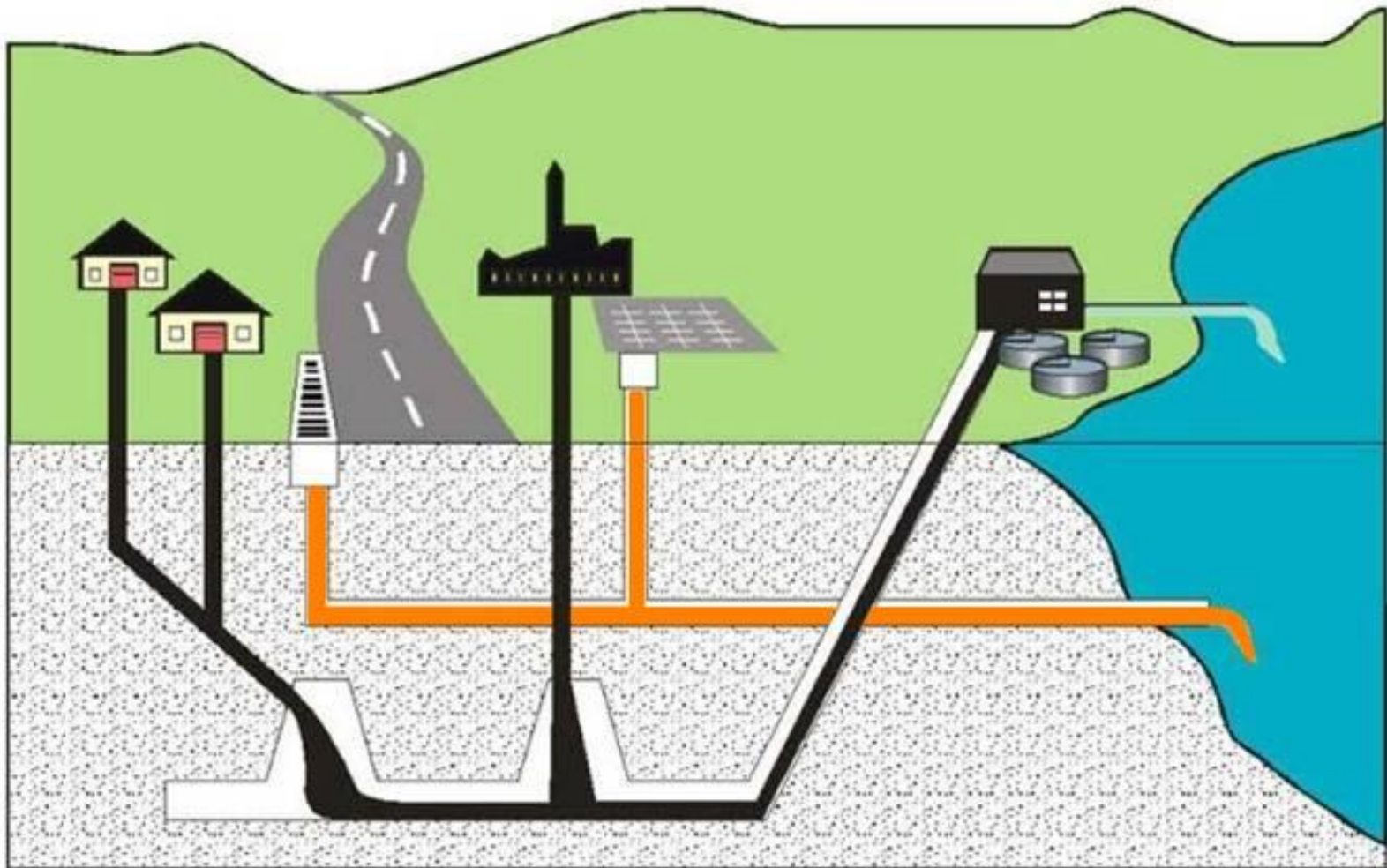
Grass Clippings



Foam in a Creek



Leaking Trash Compactor



Sanitary Sewer

STORM SEWER

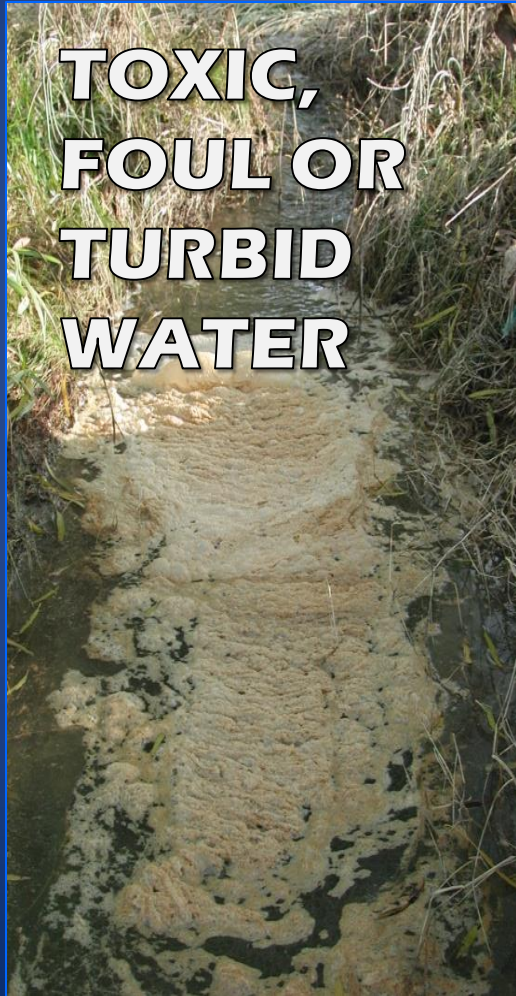


Gets treated



DOES NOT GET TREATED

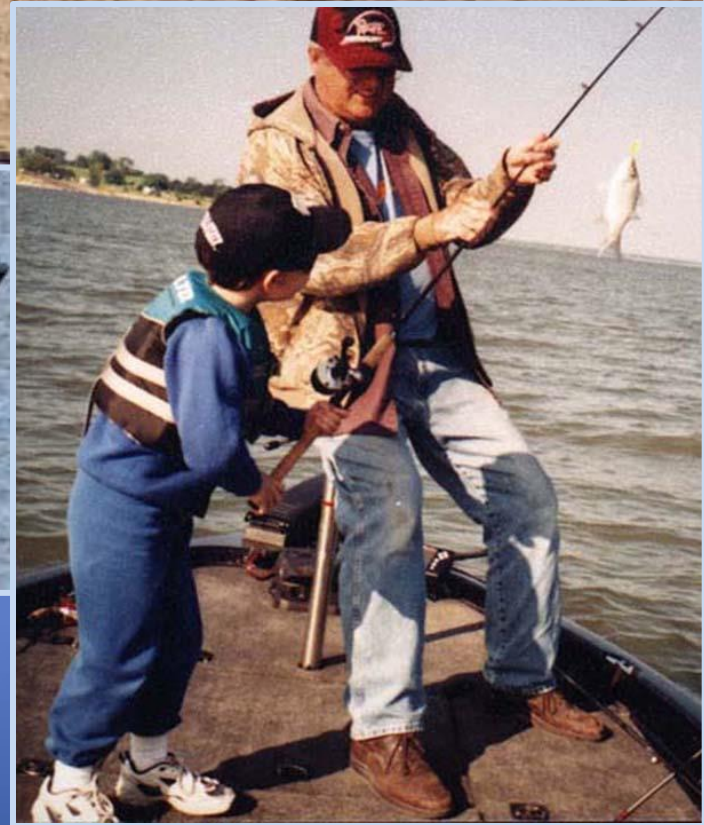
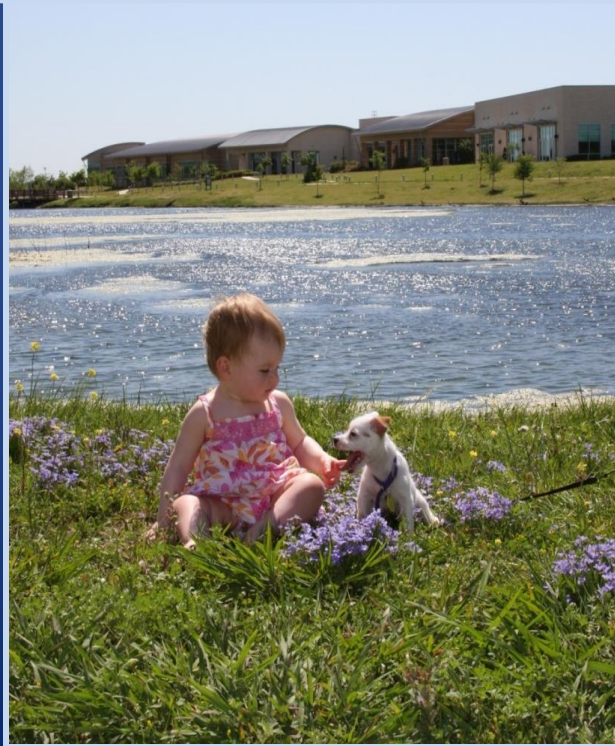
When pollutants hit surface waters, it causes a wide range of environmental and public health problems



Living and Playing



Relaxing and Having Fun





The Source of Our Drinking Water!

Who Regulates Stormwater

- Clean Water Act
- Environmental Protection Agency (EPA)
- Texas Commission on Environmental Quality
- Municipalities



Stormwater Permits

- Multi Sector General Permit (MSGP)
- Construction General Permit (CGP)
- Municipal Separate Storm Sewer System (MS4) Permits
 - Phase 1 – Individual Permits
 - Phase 2 – General Permit





STORMWATER MANAGEMENT PROGRAM

**To prevent or reduce pollutants
from getting carried by storm
water into creeks, ponds, lakes
and rivers.**

Requirements for Small MS4's

- **Stormwater Management Program (SWMP)
Minimum Control Measures (MCMs)**
 1. **Public Education, Outreach and Involvement**
 2. **Illicit Discharge Detection and Elimination**
 3. **Construction Site Stormwater Runoff**
 4. **Post-Construction Stormwater Runoff Management in New Development and Redevelopment**
 5. **Pollution Prevention/Good Housekeeping for Municipal Operations**
 6. **Industrial Stormwater Sources**
 7. ***Authorization for Construction Activities where the Small MS4 is the Site Operator***

City of Carrollton's Stormwater Management Plan and Industries

- **Public Education:**
 - Industry Meeting,
 - Educational Materials
- **Inspections of Industrial Facilities:**
 - Regulated and Non-Regulated Industries
 - Identify those that need to apply for the Multi Sector General Permit based on SIC code
 - Illicit Discharges



Carrollton's Stormwater Pollution Prevention Ordinance

- **§173.09 Stormwater Discharges Associated with Industrial Activity**
 - Permit – submit Notice of Intent (NOI) or No Exposure Certificate (NEC) to the city
 - Stormwater Pollution Prevention Plan – preparation, updates, living document
 - Inspections
 - Monitoring
 - Enforcement

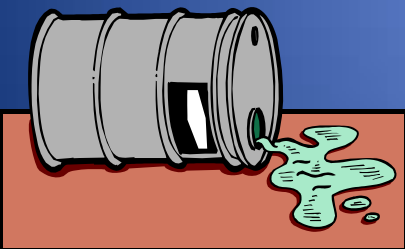
Washing Vehicles and Spills/Discharges

- Washing Vehicles at Commercial or Industrial Facilities:

- Done in a wash bay with a grit trap
- Garden hose without the use of detergents or spray nozzle
- Mobile Carwash

- Spills and Discharges

- Contain spills and clean-up as soon as possible
- Do not hose off to street, storm drain or creek
- Report Spill to appropriate agencies



POWER WASHING



💧 Power Washing is NOT allowed unless:

- ✓ All storm drain inlets are blocked and
- ✓ All wastewater is captured/recovered

💧 May use a garden hose to clean parking lot but must:

- ✓ Pick/sweep up all trash prior to hosing;
- ✓ Clean all motor oil or food grease spills with kitty litter or other absorbent prior to hosing;
- ✓ Not use any soaps, solvents, or degreasers unless power washing rules are followed.

Spills and Discharges









Be Prepared!

- **Stocked Spill Kit - Block Inlets!!!**
- **Train employees**
- **Report the spill**
- **Clean-up/Remediation**

Volunteer Opportunities

- Adopt-A-Spot
 - Two year commitment
 - Quarterly clean-ups
 - Signs marking location
- Creek Clean-up
- Storm Drain Marking



Contact Us

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