

STORMWATER POLLUTION

PRESENTED BY:



WHAT IS ILLICIT DISCHARGE?



Any discharge to the municipal separate storm sewer system (MS4) that is not composed entirely of stormwater.

MS4 -

Includes ditches, curbs, gutters, storm sewers, and similar means of collecting or conveying runoff that do not connect with a wastewater collection system or treatment plant. Owned by a public agency.

COMMON POLLUTANTS

1. Chlorinated pool water
2. Grass clippings
3. Motor oils
4. Sanitary sewer overflows
5. Construction site runoff





What are fertilizers?

Nutrient focused to promote growth

Most commonly are:

- Nitrogen-based
- Phosphorous-based
- Potassium based

IMPACTS OF EXCESS FERTILIZER

Carried by rain runoff into creeks and streams causing high levels of nutrients



Unnatural algae growth creating green "slimy" or "hairy" water that depletes oxygen for aquatic ecosystems



Eutrophication
Or
"dead zones"



RECOGNIZING ILLICIT DISCHARGES

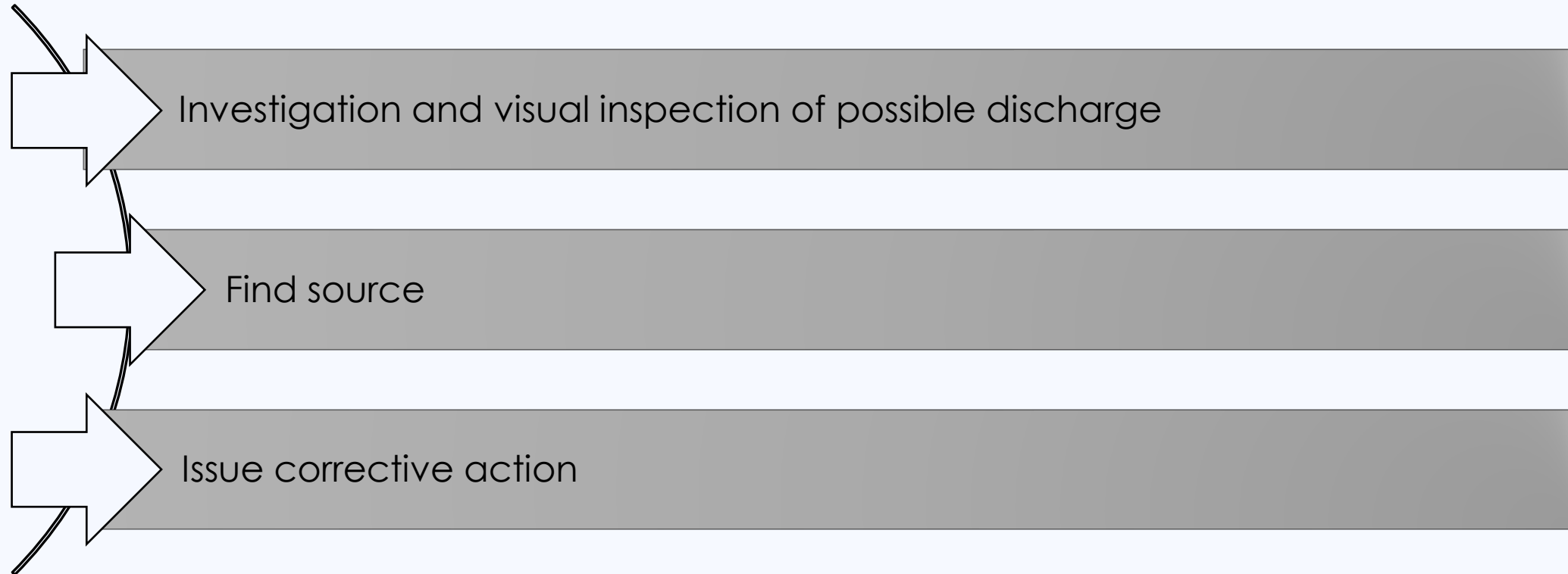
HELPFUL TIPS TO MAKE A POSITIVE IMPACT



ILLICIT DISCHARGE INDICATIONS

- If the outfall is flowing when there has been no recent rainfall
- Water from a pipe or within a ditch has an unusual color, odor, or a cloudy look
- Excessive algae growth near outfalls can be a sign of nutrient pollution from illicit discharge.
- Dead fish or animals near outfalls or storm drains

RESPONSE TO ILLICIT DISCHARGES





How does the city preemptively respond?

- Street sweeping
- Providing Pet waste bags in parks
- Storm sewer rehabilitation
- Sanitary sewer rehabilitation
- Issuing Stormwater Pollution Prevention Plan (SW3P) permits
- Daily inspections of construction sites

WHAT TO DO IF YOU SUSPECT DISCHARGES AND POLLUTIONS

Report incident to '*Report a Concern*' on the city's website

<https://www.deerparktx.gov/ReportAConcern>

Deer Park Public Works
Call 281-478-7270

Deer Park Police Non-Emergency (during non-working hours)
Call 281-479-1511

SCAN HERE

REPORT A CONCERN



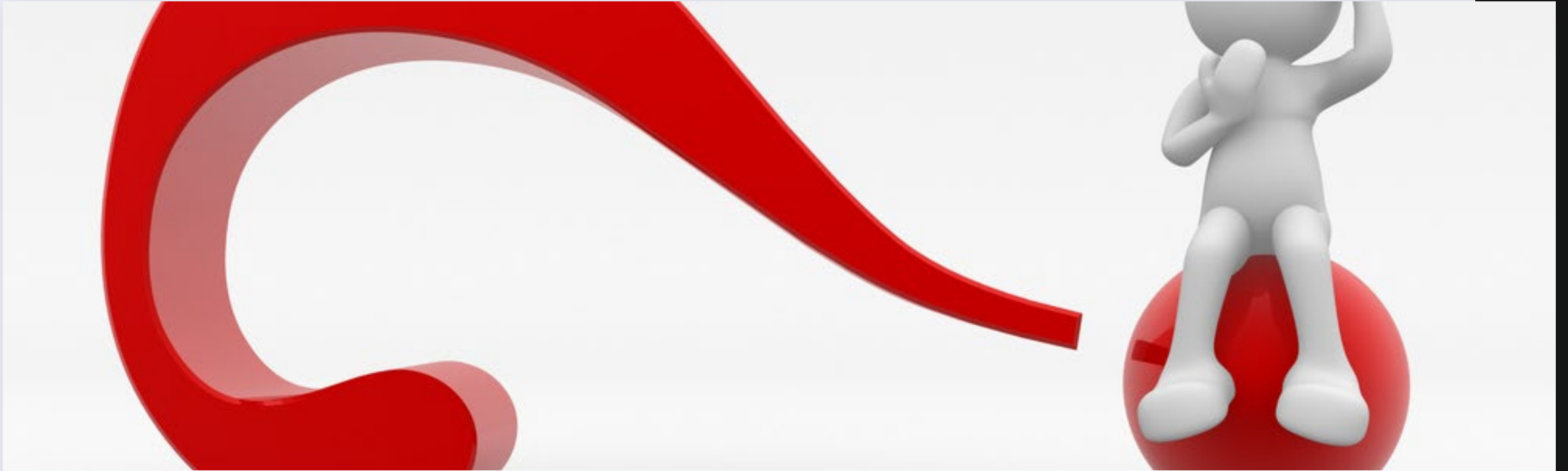
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Planning & Development Team will be at Woofstock 2025!

- Games
- Prices
- And lots of doggy pets and kisses!

September 27, 2025





Questions?