

# National Pollutant Discharge Elimination System (NPDES)

Presented by:

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# WHAT IS NPDES MS4?

The National Pollutant Discharge Elimination System is a program designed to eliminate storm water pollutant discharges to the receiving waters of the United States

- Municipal Separate Storm Sewer System (MS4)

is the master drainage system that includes road drainage, catch basins, swales, detention ponds, channels, pipes , ditches, etc. designed to collect and convey stormwater runoff to surface waters.

# **NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM OBJECTIVE**

**The objective of the NPDES program is to prevent pollution of state waters by storm water discharge.**

# WHAT IS AN NPDES MS4 PERMIT?



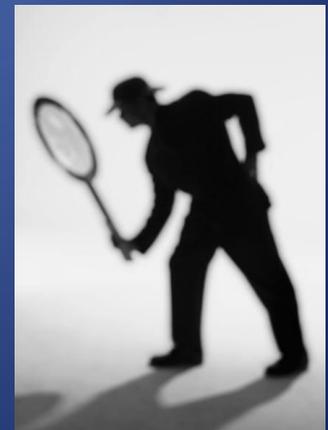
- The Clean Water Act prohibits anybody from discharging pollutants through a point source into a water of the United States unless they have an NPDES permit.

# MS4 Permit

- Stormwater Management Program consist of certain mandatory components such as inspecting and maintaining their MS4 and implementing education programs to help citizens reduce pollution.

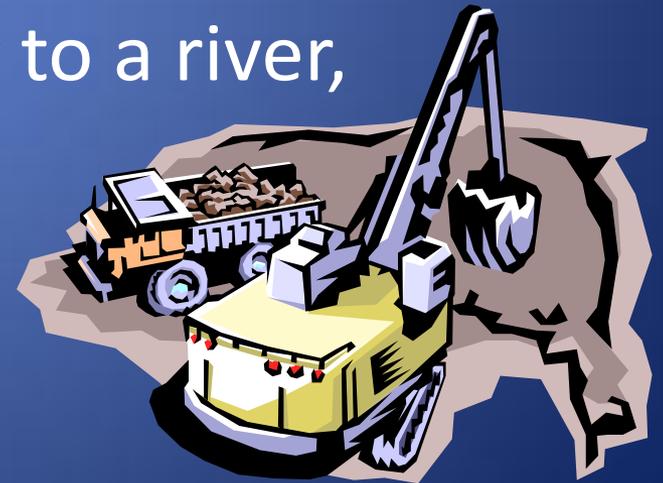
# How Does FDOT's NPDES Permit Affect You?

- If FDOT issues you a permit that could affect their MS4 system, they will inspect your site to verify the construction activities are not in violation of FDOT's NPDES MS4 permit, ex: you cannot allow sediments or debris to runoff your site into FDOT's ditch or storm drain.
- It is your responsibility to obtain proper environmental permits for the work you are proposing, including an NPDES Construction Generic Permit (issued by FDEP).



# Why Prevent Stormwater Runoff from Construction Sites?

- Stormwater runoff from Construction Activities can have a significant impact on water quality.
- As stormwater flows over a construction site, it can pick up pollutants like sediment, debris, and chemicals and transport these to a nearby storm sewer system or directly to a river, lake, or coastal water.



# Why is Rain Considered Pollution

- Stormwater runoff containing pollutants such as sediments and chemicals can harm or kill fish and other wildlife.
- Sedimentation can destroy aquatic habitat, and high volumes of runoff can cause stream bank erosion.
- Debris can clog waterways and potentially reach the ocean where it can kill marine wildlife and impact habitat.



# Stormwater from Construction Sites

- According to the Environmental Protection Agency, sediment runoff rates from construction sites are 10 to 20 times greater than those of agricultural lands.



## Minimize Exposure and Impact to Environment



# Implement Best Management Practices (BMPs) for Erosion and Pollution Control



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