



Objective:

Prevent negative impacts to stormwater from activities performed by CDOT Engineering Operations Division

Pollutants of Concern:

- Sediment
- Toxics (Chemicals & Paint)
- Concrete (pH)

Responsible Departments:

Charlotte Department of Transportation (CDOT)

DESCRIPTION

CDOT’s Operations Division conducts numerous activities to ensure citizens’ safety while using our local street system. Examples include pavement marking, traffic signal installation, and sign installation. Sometimes conducting those operations can result in the discharge of pollutants into our surface waters if certain measures are not implemented. Some discharges into the storm drain system may even violate environmental laws. Following the best practices outlined below will reduce polluted discharges and protect our waters.

BEST PRACTICES

1. Pavement Marking

- Schedule pavement marking activities for dry weather.
- When clearing paint and thermoplastic lines, always capture material in a pan or other container. Reuse the material or dispose of it properly.
- Collect paint waste, parts cleaning solution and other liquid wastes in drums. Keep drums covered with lids in place and dispose of them in accordance with the law.



2. Pavement Sawcutting

- Efforts will be made to prevent slurry discharge from entering storm drains. This can be accomplished with items such as sawcutting machines with vacuum, wet/dry vacuums, storm drain covers, sand bags, rock bags and hay bales.
- Accumulated or settled particulates resulting from these activities will be cleaned up before leaving the site.

3. Construction Activities

- Perform earthwork activities during dry weather to prevent sediment loss.
- Seed and straw all disturbed areas when work is complete.
- Monitor completed projects for adequate vegetation growth. Conduct additional work as needed to prevent sediment loss.



4. Spill Cleanup

- Use dry methods to clean up spills before using any wet methods (e.g., flushing, pressure washing).
- Bring absorbent spill response materials to jobsites so spills can be cleaned up quickly and environmental impacts can be minimized.
- Dispose of all contaminated cleanup materials in accordance with the law.
- Any spills caused by CDOT employees that are >25 gal. or in any amount that reaches a storm drain will be reported to local and state environmental authorities.



5. Sign Making & Installation

- Apply chemicals for sign making indoors.
- For liquid waste generated during the sign making process, either recycle the waste, direct it to the sanitary sewer, or place it in containers for disposal.
- Keep liquid waste drums covered with lids in place and dispose of them in accordance with the law.



6. Training

- Employees who perform or supervise field work will be trained on the best practices in this document and provided periodic refresher training.
- Contractors hired to conduct work will be made aware of relevant stormwater best practices.