



Missouri Department of Transportation Illicit Discharge Detection and Elimination



Illicit discharge detection and elimination

is one of six minimum control measures MoDOT is required to include in its stormwater management program to meet the conditions of its Municipal Separate Storm Sewer, or MS4, Permit. This fact sheet summarizes the general requirements and how to satisfy them.

What is an “illicit discharge”?

Any discharge to an MS4 that is not composed entirely of stormwater, with some exceptions (left).

What is an “illicit connection”?

Any drain or conveyance, whether on the surface or underground, which allows an illicit (illegal) connection non-stormwater discharge to enter the storm drain system.

Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, dirt and other pollutants, and flow into MoDOT’s storm drain system or directly into a stream, river, lake, pond, reservoir or wetland. Anything that enters MoDOT’s storm drain system is discharged untreated into the waterways we use for fishing, swimming and providing drinking water.

Examples of Acceptable Non-Stormwater Discharges (assuming wastewater is not used)

Landscape Irrigation

Rising Groundwater

Bridge washing/flushing

Street wash water

Discharges from potable water sources

Footing drains

Lawn watering





What is Required?

Develop, implement and enforce an illicit discharge detection and elimination program.

- A storm sewer map showing locations of all outfalls, and the names and locations of all waters of the United States that receive discharges from those outfalls.
- A plan to detect and address non-stormwater discharges, including illegal dumping, into the MS4.
- An education component for employees, businesses and general public about the hazards associated with illegal dumping and improper disposal of waste.

The Plan

- 1. Locate problem areas.** Identify problem areas based on likelihood of illicit connections.
- 2. Find the source.** To the best ability, locate the potential source.
- 3. Report the location.** Reporting is done to the county health department for wastewater issues.
- 4. Clean up litter or spills.**
- 5. Report location and pollutant to:**

MoDOT Stormwater Compliance Coordinator
 Stormwater@modot.mo.gov
 573-751-2790, for TS4 reporting.

LOOK FOR

Floatables

Turbidity

Oily sheen

Water color

Foam

Surface scum odor



See attached listing of local county health department contacts.

Evidence of illicit discharges can be seen from observing outfalls that collect run-off. When the outfall is discharging a flow during dry weather, there could be a problem.