

## **Metropolitan Sewer District of Greater Cincinnati (MSD)**

### **Industrial Stormwater Policy**

The review of wet weather discharges is an important requirement for permitted industrial customers. Implementation of the actions required by this policy will reduce the volume of polluted stormwater discharged to the MSD system and control the rate of stormwater discharged from permitted industrial customers into the MSD combined sewers. Where wet weather problems are identified, specific provisions for resolution may be incorporated into the company's Wastewater Discharge Permit at renewal to minimize the impact of overflows to the environment.

Any building Permit, Ohio EPA PTI (Permit to Install), or initial Wastewater Discharge Permit by an industrial customer will trigger a wet weather review. The company must prepare and submit a Stormwater Management Plan (SMP) that addresses the following items:

1. The plan shall show buildings, paved areas, storm inlets, all sewers (storm, combined and sanitary), stormwater detention basins, etc. and stormwater runoff directions.
2. The area boundaries of stormwater runoff zones shall be marked on the site map.
3. For all areas discharging into the MSD sewer system (sanitary or combined) the surface area in square feet shall be calculated and noted on the site map.
4. All areas of the Permittee's facility that may pollute stormwater shall be clearly marked on the site map such as liquid loading/unloading facilities, bulk liquid storage areas, outside storage areas, etc. The discharge path for each area shall be clearly marked.
5. For all areas that discharge into MSD sewers (sanitary or combined) calculate the required detention volume using either:
  - a. MSD R&R Section 303 for unpolluted stormwater discharged to combined or storm sewers or,
  - b. MSD's Polluted Stormwater Detention Policy for polluted stormwater discharged to MSD sewers. Calculate the existing polluted stormwater detention and identify any difference between existing detention and required detention. If there is a negative difference, then the Permittee shall develop and submit a Stormwater Action Plan with specific and enforceable milestones and dates that after MSD approval and implementation by the Permittee will provide the required detention volume.
6. The Permittee shall provide a means of determining the MSD service charge for discharges of polluted stormwater within the timeframe of the Stormwater Action Plan.

**Polluted Stormwater Detention Policy-Required detention for polluted stormwater.** MSD requires industrial customers to detain polluted stormwater, etc. on a 2-year pre-development and 50-year post-development basis. This calculation is a modification of basic stormwater detention standards that use the Rational Method (Section 303 MSD R&R). The calculation results in requirements of 1,250 gallons of storage for every 1,000 square feet of polluted surface area. Discharges of polluted stormwater, etc. are limited to a flow rate of either 100 gpm or 4.25 gpm per 1,000 square feet of polluted surface area, whichever is less. The detained wastewater may be released after the rain event has subsided or passed and must be properly treated prior to release to the MSD system. The discharge is also subject to MSD's sewer service charge and surcharge.

**Wet Weather Related Industrial Wastewater** is defined as polluted wastewater generated from wet weather conditions that is not suitable for discharge into surface streams without pretreatment. The source can be stormwater, groundwater, leachate, overland flooding, spills, etc. At MSD this wastewater can be classified as industrial waste and discharged into the sanitary sewer for treatment by MSD.