



ORDINANCE TEXT FOR VOLUME CONTROL

Cities and villages must have local ordinances that implement the runoff management requirements of ch. 13, MMSD Rules. Before April 25, 2011, cities and villages must incorporate that changes that the District made on October 25, 2010. The District must receive copies of created or amended ordinances within 30 days after adoption.

The following text is an example of how a local ordinance could implement the District's runoff management requirements.

- (1) For development, runoff management systems shall prevent increases in the regional flood and stream bank erosion rates. In the absence of an approved watershed management plan that includes the site being developed, on-site runoff management systems shall either:

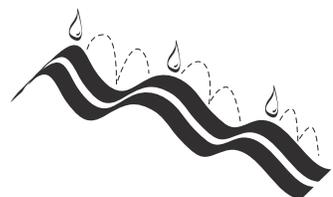
- (a) distribute runoff over the critical time of the watershed sufficient to comply with this section, calculated according to guidance provided by the Milwaukee Metropolitan Sewerage District, or

- (b) achieve the following runoff release rates:

Storm (probability/recurrence interval)	Maximum Runoff Release Rate (cubic feet per second per acre)
1%/100-year	0.5
50%/2-year	0.15

- (2) For redevelopment, if demolition or construction will disturb an area larger than 2 acres, then on-site runoff management systems shall reduce the runoff release rate by the amount listed in the following table for the 1%/100-year and 50%/2-year storms, except as provided in (3).

Area Disturbed by Demolition or Construction	Reduction to the Existing Runoff Release Rate on October 25, 2010
Between 2 acres and 3.5 acres	10%
From 3.5 to 5 acres	15%
Greater than 5 acres	20%





- (3) If site conditions make compliance with the conditions of (2) unreasonable, then the runoff management system shall achieve the greatest practicable reduction. Relevant conditions include, but are not limited to: soil contamination, groundwater contamination, land use requirements, land availability, opportunities for off-site management, construction delays, marginal costs, and the availability of financing. The redevelopment plan shall explain the conditions, how they limit reductions to the runoff release rate, and the basis for the proposed reductions.
- (4) Runoff management systems shall implement the following techniques, in order of preference:
 - (a) preservation or restoration of natural features, including natural storage and infiltration characteristics;
 - (b) preservation or restoration of natural streams, channels, and drainage ways;
 - (c) minimization of new impervious surfaces;
 - (d) conveyance of storm water in open vegetated channels;
 - (e) construction of structures that provide both quantity and quality control, with structures serving multiple sites being preferable to structures serving individual sites; and
 - (f) construction of structures that provide only quantity control, with structures serving multiple sites being preferable to structures serving individual sites.
- (5) Maintenance of runoff management systems shall be sufficient to preserve their effectiveness.

