

AMENDING CHAPTER 14 OF THE DANE COUNTY CODE OF ORDINANCES, REGARDING
STORMWATER INFILTRATION

The County Board of Supervisors of the County of Dane does ordain as follows:

ARTICLE 1. Unless otherwise expressly stated herein, all references to section and chapter numbers are to those of the Dane County Code of Ordinances.

ARTICLE 2. Subsection 14.51(2)(e)3. through 6. are renumbered, respectively, as 4. through 7.

ARTICLE 3. Subsection 14.51(2)(e)1. and 2. are amended to read as follows:

14.51 STORMWATER MANAGEMENT PLAN REQUIREMENTS. (2) *Storm-water management performance standards.* Proposed design, suggested location and phased implementation of effective, practicable stormwater management measures for plans shall be designed, engineered and implemented to achieve the following results:

(e) Infiltration.

1. For both residential and nonresidential developments, design practices to infiltrate sufficient runoff volume so that post-development infiltration volume shall be at least 90% of the pre-development infiltration volume, based upon average annual rainfall.
2. The runoff curve numbers used in calculating pre-development conditions shall be based on the pre-development land uses. For agricultural land, the maximum runoff curve number (RCN) used in calculating pre-development conditions shall be 51 for hydrologic soil group (HSG) A, 68 for HSG B, 78 for HSG C, and 83 for HSG D.
3. If, when designing appropriate infiltration systems, more than two percent (2%) of the site is required to be used as effective infiltration area, the applicant may alternately design infiltration systems and pervious surfaces to meet or exceed the annual pre-development recharge rate. The annual pre-development recharge rate shall be determined from the Wisconsin Geological and Natural History Survey's 2009 report, *Groundwater Recharge in Dane County, Estimated by a GIS-Based Water-Balance Model* or subsequent updates to this report, or by a site specific analysis using other appropriate techniques. If this alternative design approach is taken, at least two percent (2%) of the site must be used for infiltration.