



City of Topeka  
Public Works Department  
Administrative Policy No. PWD \_\_\_\_\_

## POST CONSTRUCTION STORMWATER QUALITY POLICY

**Purpose:** To aid in the implementation of best management practices (BMPs) as directed in TCC Chapter 13.35 Stormwater Management of the Water Pollution Control Ordinance, No. \_\_\_\_\_ to address post-construction stormwater runoff from new development and redevelopment. To minimize adverse water quality impacts through the use of structural and/or non-structural BMPs.

**Applicability:** (1) All requests for approval of subdivision and site plans pertaining to land development activities that are greater than or equal to one acre of land, including projects that cause a land disturbance less than one acre that are part of a larger common plan of development or sale; or  
(2) Land disturbance activities that are less than one acre but located in an impacted watershed as determined by the director, based on an engineering study.

**Effective Date:** August 29, 2011

### Performance Criteria for Stormwater Management

(a) Designs shall establish stormwater management practices to control peak flow rates of discharge according to the Storm Drainage Design Criteria. These practices should utilize pervious areas for stormwater treatment and to infiltrate stormwater runoff from driveways, sidewalks, rooftops, parking lots, and landscaped areas to the maximum extent practical to provide treatment for both water quality and quantity.

(b) All stormwater runoff generated from new developments shall not discharge directly into a jurisdictional wetland or local water body without adequate treatment. Where such discharges are proposed, they shall meet all applicable local, state and federal requirements, permits, plans and programs. The owner is responsible for complying with all local state and federal permits that are applicable to the site.

(c) BMPs shall be designed to promote infiltration to the maximum extent possible through the use of structural and non-structural methods.

(d) For new development and redevelopment, structural stormwater treatment practices shall be designed in accordance with the provisions contained in TCC Chapter 13.35 Stormwater Management or professionally accepted manual for stormwater quality management to meet the following standards:

(1) Stormwater runoff shall be treated for water quality prior to discharge from the development site,

(2) Designed according to City of Topeka design criteria manual,

(3) Reduce the discharge of the Total Maximum Daily Load (TMDL) regulated pollutants to an associated stream and/or lake as identified in this Stormwater Management Policy set forth by the Director.

Total Maximum Daily Load (TMDL) Best Management Practices

Shall implement best management practices (BMPs) to reduce the discharge of the Total Maximum Daily Load (TMDL) regulated pollutants to the associated stream and/or lake as listed below:

TMDL Regulated Parameter	Associated Stream or Lake
E. coli, 30% removal or greater	Shunganunga Creek, Deer Creek and Wakarusa River
Phosphorus, 30% removal or greater	Wakarusa River & Clinton Lake
Suspended Solids (Sediment), 50% removal or greater	Wakarusa River
Biochemical Oxygen Demand Pollutants, 30% removal or greater	Wakarusa River

These BMPs, intended to reduce the discharge of the TMDL regulated pollutants, are to be implemented within the permit area wherever stormwater drains to the associated impaired stream or lake.

(4) Reduce the discharge of principal pollutants of concern as identified in this Stormwater Management Policy set forth by the Director.

Principal Pollutants of Concern

The permittee shall implement BMPs to reduce the discharge of the Principal Pollutants of Concern from the MS4 by at least 30% or more. The Principal Pollutants of Concern are biochemical oxygen demand, E. coli, lead, copper, phosphorus, suspended solids (sediment), and zinc.

These pollutants are selected based on the occasional high values identified with the stormwater monitoring conducted by the permittee.

Approved:

  
Randy L. Speaker, Director of Public Works

8-29-11  
Date