

17.4.3 Dry Detention Basin Inspection and Maintenance Provisions

17.4.3.1 Blockage of Outlets

Extended detention ponds are designed for the water to exit the pond through the low flow orifice(s), the principal spillway, and the emergency spillway. It is important to check all three outlets for blockage that would impair the pond's water quality and hydraulic functionality.

Low Flow Orifice(s)

Unless an inverted orifice is used, some type of trash guard is to be maintained over the low flow orifice(s) to prevent clogging. When the orifice becomes clogged the water level rises to the principal spillway elevation and the benefits associated with temporary storage and its gradual release are lost. To preserve "extended detention" the low flow orifice should be inspected for blockage **twice a month and after large storms.**

17.4.3.2 Principal and Emergency Spillway

Principal and emergency spillways are designed to safely convey larger than one inch storms that produce runoff which exceed the water quality volume of the BMP. If these spillways are blocked so they do not operate at full capacity, the risk of dam overtopping or other uncontrolled releases may result. To ensure the hydraulic capacity of the spillways, the spillways should be inspected for blockage **twice a month and after large storms.**

SECTION 18: Permeable Pavement Systems

Permeable Paver systems do not count for regulatory credit for water quality because it has been demonstrated that in the Greensboro area the soils are not permeable enough for this systems to work properly. However, exemptions can be made as stated on section 18.2.2b of the State BMP Manual.

Porous turf used with modern reinforcements installed strictly in accordance with the manufactures guidelines has application for infrequent uses that allow the grass time to regenerate between events. No other permeable pavement systems receive credit as non-built upon area or as percent managed grass.

SECTION 19: Rooftop Runoff Management

19.1 General Characteristics and Purpose

Although rooftop runoff management systems are currently not extensively used within the City of Greensboro, their use is encouraged. The design of such system shall be in accordance with Chapter 19 of the State BMP Manual.

19.2 Meeting Regulatory Requirements

Rooftop runoff management systems designed and built in accordance with the State BMP Manual are eligible to receive a Stormwater Utility Fee credit.