



*City of Annapolis*

DEPARTMENT OF NEIGHBORHOOD & ENVIRONMENTAL PROGRAMS

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## **City of Annapolis Watershed Improvement Plan**

### **2013 Milestone Final Progress:**

#### **Milestone Implementations**

The reduction of nutrients entering the Chesapeake Bay from Annapolis will almost exclusively be addressed through improvements to stormwater runoff quality. There are only a few remaining septic systems in the City confined to recently annexed properties which, when developed, will be eliminated and any new construction will be connected to the Annapolis Wastewater Treatment Facility. The wastewater plant is jointly owned by the City and Anne Arundel County, and services both jurisdictions. New upgrades at the wastewater facility will allow some fraction of the overall nutrient reduction from the plant's outflow to be credited to the City of Annapolis but this is expected to be modest. Hence the city's focus is on stormwater quality improvement.

The City of Annapolis established a Stormwater Utility Fee in 2009 and increased it effective July 1, 2011 to better address the Chesapeake Bay nutrient reduction requirements. Fees collected in the first year were credited to stormwater infrastructure costs while funds became available in 2013 for nutrient reduction projects.

#### **Programmatic Milestones**

In 2013, the City contracted for design of a stream restoration project at the headwaters of Spa Creek which will be constructed in 2014. The City has set aside funds for another stream restoration project for design and construction in 2014. The City is also supporting grant requests by non-profit organizations for bioretention projects on municipal properties and municipal conservation easements on private properties. There are currently six projects in design phase.

As a Phase II jurisdiction, no existing best management practices in Annapolis were included in the Chesapeake Bay Watershed model. MDE has since allowed the inclusion of past stormwater best management practices and in 2013 the City began gathering documentation of stormwater quantity and quality structures installed as part of new development since 1985. Each structure will be evaluated for its contribution to nutrient reduction with the cumulative existing nutrient reduction used to calculate the extent of additional nutrient reduction to meet the City's goals.

The City's Public Works Dept. has made street sweeping a priority and has increased curb miles swept from 4,482 miles in 2011 to 9,721 miles in 2012.

The City continues to make progress in expanding its tree canopy which has a direct impact on stormwater absorption. New development is being held to a 50% or greater canopy coverage while tree planting programs address already developed property. The City is committed to 50% canopy coverage by 2036.