

City Proposed Environmental Action Plan Updates 2018

Topic: Water Resources (Stormwater and Sanitary) EAP Draft Update

Goal 1: Promote citizen awareness of water quality and resource issues, particularly with regard to regulatory requirements of the Municipal Separate Storm Sewer System (MS4) permit, to protect and enhance our local water resources.

- Create a Structural Stormwater Best Management Practice (BMP) Tour to highlight city-installed and developer-installed facilities to enhance public awareness of what are water quality structures.
- Create a 'Stormwater 101' program to educate students about water quality, stormwater management and the environment.

Goal 2: Maintain and enhance stormwater and stream systems to minimize environmental degradation.

- Implement the adopted Stormwater Utility as the funding mechanism to more equitably distribute the cost of the increasing state and federal Bay cleanup mandates and the City's stormwater management program. The fee is structured as a dedicated funding source that can only be used for stormwater management, with all property owners receiving this as a line item on the real estate bill beginning May 2018. The Credit policy and associated manuals provide a way for property owners to reduce the fee. The Phase 1 Non-Residential Credit Manual was adopted October 2017, to be implemented beginning in 2018, and the Phase 2 Residential Credit Manual is scheduled for adoption in fall 2018 and implemented in 2019.
- Implement strategies in the Chesapeake Bay Phase 1 Total Maximum Daily Load (TMDL) Phase 1 Action Plan to meet the City's internal goal of exceeding the required 5% reductions in nitrogen, phosphorus and sediment, before the end of the 2013 – 2018 MS4 permit timeframe. Build these strategies to develop the Chesapeake Bay TMDL Phase 2 Action Plan to meet the additional 35% pollution reduction targets for nitrogen, phosphorus and sediment; ahead of the 40% total for the 2018 -2023 MS4 permit timeframe. Total funding to achieve the 2018 – 2023 targets as part of the City's goal to exceed the mandates ahead of schedule, is estimated nearly \$30M.
- Continue to implement Bay TMDL Action Plan strategies, to include retrofitting existing stormwater infrastructure and BMPs, implementing new BMPs where feasible, and performing stream restoration and outfall stabilization on City properties and facilities to improve water quality and address the Bay TMDL per the City's more aggressive internal schedule to meet 40% reductions well in advance of the mandated deadline in the City's MS4 permit. The City has received a combined total of over \$3.6M in Stormwater Local Assistance Fund (SLAF) grants, combined with City funding, to implement the first three projects. These retrofits and new facilities include:
 - Completing the construction of the Lake Cook Retrofit by fall 2018.

- Completing the design and construction of the Ben Brenman / Cameron Station Pond Retrofit scheduled before spring 2019.
 - Lucky Run Stream Restoration is scheduled to be complete by summer 2020.
 - Study to further prioritize, design and install new BMPs on existing City properties, with the prioritization and beginning design phase in Fall 2019
- Complete the City's Phase III Stream Restoration and Outfall Stabilization Study by early 2019 to create priority rankings for identified candidate projects, complete 30% design for those prioritized projects, and complete design for top priority projects.

Goal 3: Promote, require, and invest in green infrastructure and develop a Green Infrastructure Program to manage stormwater runoff and protect our local streams, the Potomac River and the Chesapeake Bay.

- Continue to develop and execute strategies to increase the implementation of green infrastructure city-wide through the following:
 - Installing green infrastructure on City properties per the Bay TMDL Action Plan
 - Encouraging green infrastructure on private development through policy and collaborative methods
 - Formal development of the City's Green Infrastructure Program with an updated study to be completed winter 2018/2019.

Goal 4: Update Citywide Sanitary Sewer Master Plan and to include in it eliminating the harmful impact of the combined sewer systems overflows in the long-term, and to minimize them in the short term.

- Update Sanitary Sewer Master Plan to plan for future development and redevelopment consistent with Small Area Plans and to incorporate updated Combined Sewer System Long Term Control Plan into it by the end of FY2020.
- Develop a comprehensive Combined Sewer System Long Term Control Update Plan that addresses all four outfall locations, and submit a plan for regulatory approval by end of CY 2018.
- Develop an implementation plan and schedule for the Combined Sewer System Long Term Control Update Plan