

## Carroll County 2016 - 2017 Final Programmatic Milestones Report

| Target Date       | Milestone   | Deliverable  | Lead Agency | Comments/Status Updates   |
|-------------------|---|--|-------------|---|
| <b>Wastewater</b> |   |  |             |   |
| End 2017          | Pending availability of funds and approval by elected officials, continue to support the State schedule for Enhanced Nutrient Removal (ENR) upgrades and coordinate with the State on implementation as funding becomes available | <ul style="list-style-type: none"> <li>• ENR upgrades construction complete and operational</li> </ul> | MDE, Local  | <ul style="list-style-type: none"> <li>• Hampstead WWTP –                             <ul style="list-style-type: none"> <li>▪ 90% design is completed and under County review. County comments provided to engineer and revised final plans (100%). Specs and Construction Permit Application were submitted to MDE October 2, 2017. Engineer is working through MDE comments.</li> <li>▪ New discharge permit application was submitted to MDE in December (2015). The schedule and dates expected WWTP to meet ENR standards on or before January 1, 2017. Scheduled has been delayed due to opposition and delays with issuance of permits.</li> <li>▪ MDE issued 2 permits to split the WWTP discharge for the WWTP between Deep Run &amp; Piney Run, effective October 1, 2017, which will further protect water quality in both watersheds.</li> </ul> </li> <li>• Freedom WWTP – Contractor was approved and construction began in May 2015. As of December 20, 2017, project is 99.9% complete. Most likely 100% complete in Spring 2018. MES addressing discrepancies with contractor.</li> <li>• Taneytown WWTP – Substantial completion was April 21, 2016.</li> <li>• Westminster WWTP – Project bids are due Jan 5, 2018. Construction expected to commence in late spring with a 30 month projected completion schedule.</li> <li>• Mount Airy WWTP – ENR upgrade completed.</li> <li>• Coordination with MDE for ENR upgrade plans is ongoing.</li> </ul> |
| <b>Urban</b>      |   |  |             |   |
| Ongoing           | Pending availability of funds and approval by elected officials, proceed with programmed  | <ul style="list-style-type: none"> <li>• Projects included in adopted capital program</li> </ul>       | Local       | <ul style="list-style-type: none"> <li>• To reinforce the maintenance of the rural area, the County's Agricultural Land Preservation Program was developed, continually supported by Boards of County</li> </ul>  |

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|             | stormwater retrofits identified in the approved capital improvement program to maintain NPDES compliance | <ul style="list-style-type: none"> <li>Completed, on-the-ground retrofit projects</li> </ul> |             | <p>Commissioners, and has become a top 5 nationwide program with approximately 70,311 acres permanently preserved as of June 2017.</p> <ul style="list-style-type: none"> <li>As of June 2017, the County had restored 2,057 impervious acres. This included 688 acres of restoration to comply with the 10 percent required under the prior permit, which did not include the municipal impervious area. During this permitting term, 1,369 acres of impervious area have been restored, which includes the 8 municipalities and is 85 percent of the required goal of 1,614 acres – on track to meet the 20 percent restoration requirement.</li> <li>Additionally, \$23.1 million have been dedicated to watershed restoration efforts in our Community Investment Program, or CIP, for fiscal years 2018 through 2023 to restore the acres required under this permit. Grant funding has been secured for several additional projects.</li> <li>County continued to coordinate with SHA to fund and complete additional mutually beneficial stormwater treatment projects.</li> <li>The Board of County Commissioners continued to fund 80% of the Municipalities’ costs for capital projects to restore 20% of impervious area within municipalities.</li> <li>The Boards of County Commissioners continue to designate a portion of tax revenues to be dedicated to funding operating costs for the stormwater program.</li> <li>Stream corridor assessments are completed in all 9 major watershed basins within the county, addressing over 786 of the 1,464 stream miles within these watersheds.</li> <li>Restoration plans for all 9 watersheds have been completed and submitted to MDE. The first round of comments have been addressed and the plans sent to MDE for a second round of review.</li> <li>Approximately 23 (about 54%) employees out of 43 in the</li> </ul> |

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|             |   |  |             | <p>Department of Land &amp; Resource Management (DLRM) now are involved in watershed restoration initiatives. Additional employees in the municipalities and County Department of Public Works are involved with stormwater restoration and maintenance.</p> <ul style="list-style-type: none"> <li>• Projects are regularly identified, prioritized, and coordinated with relevant agencies, such as SHA, and municipalities for stormwater projects and tree planting sites.</li> <li>• Stream corridor assessments and stormwater mitigation projects are routinely coordinated with impacted and neighboring property owners.</li> </ul>  |
| Ongoing     | Pending availability of funds and approval by elected officials, continue the current stormwater retrofits program until additional cost-benefit analyses can be completed, possible alternatives evaluated, and budgeted items reaffirmed or approved. | <ul style="list-style-type: none"> <li>• Projects included in adopted capital program</li> <li>• Completed, on-the-ground retrofit projects</li> </ul> | Local       | <ul style="list-style-type: none"> <li>• The County Commissioners approved capital projects through FY 2023 projected to continue to work toward compliance with impervious area restoration in the county and municipalities to reach a total of 30% impervious area treated in the unincorporated county areas and 20% in the municipalities and to continue to work toward achieving TMDL WLAs. Projected costs are based on actual costs of similar projects previously completed in the county.</li> <li>• The County continues to leverage and maximize grant funding for stormwater retrofit projects.</li> <li>• BMPs were submitted from this past year to MDE through MDE's geodatabase. The County has fully integrated MDE's geodatabase into daily operations, tracking, and reporting (within the limitations of the geodatabase).</li> </ul> |
| Ongoing     | Continue to work cooperatively as a Water Resources Coordination Council (WRCC) on program development and implementation.  | <ul style="list-style-type: none"> <li>• Cooperative and coordinated responses and submittals</li> </ul>   | Local       | <ul style="list-style-type: none"> <li>• The WRCC continues to serve as the local WIP Team and to discuss/address WIP issues as they arise, including the Phase III WIP process.</li> <li>• The WRCC continues to discuss funding and design/construction of joint stormwater treatment projects.</li> <li>• The County and municipalities continued to implement and</li> </ul>  |

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|             |           |             |             | <p>coordinate on the Memorandum of Agreement regarding the joint NPDES Phase I MS4 permit.</p> <ul style="list-style-type: none"> <li>• County staff provided MDE with additional local GIS data for the 2017 Midpoint Assessment. County GIS staff continues to work on updates to data layers and provide updated data to MDE as needed and as it becomes available.</li> <li>• County staff reviewed data and methodology from MDE's various rounds of land use data for the 2017 Midpoint Assessment. County staff also reviewed the data and methodology prepared by Chesapeake Conservancy for the Phase 6 CBP WSM.</li> <li>• County staff provided a cursory review of the infill/redevelopment rate and septic projections for the growth projections to inform the model. (Without a means of spatial comparison, a more detailed review for the accuracy of the proposed infill/redevelopment rates is not possible.)</li> <li>• All WRCC meetings are open to the public.</li> <li>• The County has participated in and engaged the public through its regular NPDES public outreach efforts. An iterative Public Outreach Plan was developed in 2015, with measures implemented recorded in the NPDES MS4 Annual Report. Additional public outreach materials designed for businesses were developed. Materials are available online.</li> <li>• The Carroll County Environmental Advisory Council worked with staff and the WRCC to organize and hold a public workshop aimed at the business community and compliance with MS4 requirements. The workshop was held on January 5, 2016.</li> <li>• The Carroll County Environmental Advisory Council worked with staff and the WRCC to organize and hold a general public workshop to provide residents and the general public with good housekeeping practices and BMPs for</li> </ul> |

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|               |  |   |                 | <p>preventing stormwater pollution and runoff in residential areas and on individual properties. The homeowner workshop was held on Saturday, March 18, 2017, at Carroll Community College.</p> <ul style="list-style-type: none"> <li>• A workshop geared for 12SW and SR industrial stormwater permittees is in the planning process and is scheduled for February 16, 2018.</li> <li>• County staff coordinated with the WRCC members and co-permittees to collect data on BMPs, funding, and other municipal data and developed a joint NPDES Annual Report, which was submitted to MDE on December 15, 2017. This report contains data to be shared with MDE's SSA staff for WIP implementation, tracking, and reporting.</li> </ul> |
| <b>Septic</b> |  |   |                 |   |
| Ongoing       | Continue to track septic system upgrades through the local Health Department.  | <ul style="list-style-type: none"> <li>• Current (up-to-date) database</li> </ul> | CC Health Dept. | <ul style="list-style-type: none"> <li>• The Carroll County Health Department continues to track septic upgrades through its database and continues to provide data to the County on a regular basis.</li> <li>• An additional 23 conventional septic systems were replaced with BAT systems in FY 2017, 31 in FY 2016, and 30 in FY 2015.. BRF funds were used for all of these systems.</li> <li>• In FY 2018, 1 property was converted from a conventional septic system to being served by a public sewer system.</li> </ul>  |
| Ongoing       | Continue to track the number of septic systems that are eliminated due to conversion / connection to public sewer systems. | <ul style="list-style-type: none"> <li>• Current (up-to-date) database</li> </ul> | CC Health Dept. | <ul style="list-style-type: none"> <li>• Septic conversions to public systems continue to be tracked by each of the county's jurisdictions and reported to the County.</li> </ul>   |