

DC

**Wastewater Treatment Plants and Onsite Systems – Maintain Ongoing Oversight**

**2012-2013 Milestone Achievements**

- ☐ Continued to implement enhanced nutrient removal (ENR) upgrades at Blue Plains WWTP.
- ☐ Made consistent progress toward building Anacostia tunnel for Combined Sewer Overflow (CSO) mitigation as part of the Clean Rivers Project.

**2012-2013 Milestones Missed**

- ☒ None.

**2014-2015 Milestones Strengths**

- ☐ The District included a milestone to have ENR in place by October 2014. The milestone reflects the May 2014 permit modification requested by DC Water and granted by EPA. The final ENR compliance date was not changed by this modification.

**Key Areas to Address in 2014-2015 Milestone Period**

- ☐ Work with EPA and DC Water to address potential impacts on schedule and loads to Chesapeake Bay if Clean Rivers Project Long-Term Control Plan (LTCP) is revised.
- ☒ Work with EPA and DC Water to track and report CSO improvements to assure that the District stays on track to remain within established caps, particularly for phosphorus and sediment.

DE

**Wastewater Treatment Plants and Onsite Systems – Maintain Ongoing Oversight\*\***

**2012-2013 Milestone Achievements**

- ☒ Revised and updated regulations for onsite wastewater and for spray irrigation.

- Mapped large onsite wastewater systems.

**2012-2013 Milestones Missed**

- ☐ Final permit for Bridgeville wastewater treatment plant (WWTP) was not reissued during the milestone period. The permit was issued March 10, 2014.
- ☐ Permits for Seaford and Invista WWTPs were not reissued. Delaware is working on a nutrient trade agreement between Seaford and Invista. Permits are anticipated to be issued in 2014.
- ☐ A statewide NPDES permit backlog continues in the state of Delaware.

**2014-2015 Milestones Strengths**

- ☐ Commits to hire a part time seasonal engineer to assist with writing and reviewing permits.

**Key Areas to Address in the 2014-2015 Milestone Period**

- ☐ The Laurel WWTP permit expires in May 2014. Reissue this permit by December 31, 2014.
- ☐ All of the missed 2012-2013 milestones were carried over into 2014-2015. Issue the backlogged permits by December 31, 2014.
- ☒ Submit upgrade and compliance schedules into EPA's Integrated Compliance Information System.

MD

### **Wastewater Treatment Plants and Onsite Systems – Maintain Ongoing Oversight 2012-2013 Milestone Achievements**

- ☐ The Maryland General Assembly approved legislation to double the Bay Restoration Fund (BRF) fee starting July 1, 2012. With the increased fee, sufficient grant funds are available to complete Enhanced Nutrient Removal (ENR) upgrades at the 67 major Wastewater Treatment Plants (WWTPs) and 5 to 10 minor WWTPs by 2017.
- ☐ New regulations effective January 1, 2013 require best available technology (BAT) septic denitrification systems for new construction in the Chesapeake Bay and Coastal Bays watersheds.
- ☐ Regulations also require BAT for all repair or replacement of onsite sewage disposal systems in either the Chesapeake Bay critical area or the Atlantic Coastal Bays critical area.
- ☐ Developed a list that ranks minor plants for ENR upgrades.
- ☐ Completed a draft survey of the nature and quantity of the nutrient loads from all individually permitted industrial wastewater facilities. The survey led to a strategy to refine the results, including identification of new or expanding loads needing to be offset and increased monitoring in the next permit cycle.

### **2012-2013 Milestones Missed**

- ☐ Met all wastewater treatment plant milestone commitments.
- Did not complete the development of a detailed strategy to upgrade 60% of septic systems in the Critical Area by 2017. However, Maryland included a commitment to revise the septic strategy to increase implementation and load reductions from the septic sector in the 2014-2015 milestone period.

### **2014-2015 Milestones Strengths**

- ☐ Commits to complete ENR upgrades for 51 of 76 Major WWTPs.
- ☐ Commits to begin funding the planning, design and construction of ENR upgrades for minor WWTPs.
- ☐ For minor municipal and industrial wastewater facilities, Maryland is implementing additional permit requirements as permits are renewed based on strategy developed in the 2012-2013 milestone period.
- ☐ Will develop a new net-base Best Available Technology system that will allow for more efficient, comprehensive data collection and the automated tracking and reporting of progress in upgrading septic systems with Best Available Technology.

### **Key Areas to Address in 2014-2015 Milestone Period**

- ☐ Provide additional detail on how to achieve significant increases for septic BMP implementation from 2015-2017, given current implementation levels are low.
- ☐ Provide a detailed schedule and plans for education and outreach for the refinement of the septic implementation strategy.
- ☐ Submit upgrade and compliance schedules into EPA's Integrated Compliance Information System.

NY

### **Wastewater Treatment Plants and Onsite Systems – Maintain Enhanced Oversight**

#### **2012-2013 Milestone Achievements**

- ☐ New York completed all of its 2013 programmatic milestones.
- ☐ New York issued draft permits that referenced wasteload allocations (WLAs) for 28 of its 30 significant wastewater treatment facilities. The draft Chobani Inc. permit was issued in January, 2014.

#### **2012-2013 Milestones missed**

- ☐ None.

#### **Key Areas to Address in 2014-2015 Milestone Period**

New York's 2014-2015 numeric milestones for wastewater are not on track for nitrogen because New York's WIP commitments for nitrogen reductions in this sector are less aggressive than those achieved or planned by the other jurisdictions. Additionally, current nitrogen loads from WWTPs are not expected to decrease until reconstruction of the Binghamton/Johnson City wastewater treatment plant (BJC WWTP) is completed in 2017 (in accordance with the plant's Administrative Order on Consent). The BJC WWTP load comprises about 30-40% of the total WWTP load and current concentration of nitrogen from this plant averages about 21 mg/l. After reconstruction is complete in 2017, the BJC plant is expected achieve nitrogen concentrations below 6 mg/l.

The draft permits for all significant WWTPs, except BJC, are part of an aggregate permit with nitrogen effluent limits that have effective dates starting in 2015. By 2017, all of the significant WWTPs will have and, on aggregate, will meet permitted nitrogen levels that are consistent with the WIP 2017 targets. EPA expects New York to take the following actions in 2014-2015: ☐ Finalize permits for significant dischargers in 2014. ☐ Work with EPA to identify opportunistic reductions of nitrogen and phosphorus at WWTPs. ☐ Submit WWTP upgrade schedules and nutrient loadings into EPA's Integrated Compliance Information System.

PA

### **Wastewater Treatment Plants and Onsite Systems – Maintain Ongoing Oversight**

#### **2012-2013 Milestone Achievements**

- ☐ Almost all programmatic milestones were achieved in this sector.
- ☐ Made good progress in issuing updated permits in compliance with the Bay TMDL. Twenty-six permits for significant dischargers (17 municipals and 9 industrials) were reissued to include permit limits consistent with the Bay TMDL for the first time.
- ☐ One hundred forty-seven of the 213 significant dischargers have nutrient permit limits which are currently effective. Pennsylvania indicates in their 2014-2015 milestone that 174 sewage and 10 industrial facilities began compliance before January 1, 2014, although all have not yet completed their first compliance year.

### **2012-2013 Milestones Missed**

- ☐ Pennsylvania incorporated into the 2014-2015 milestones issuance of 7 industrial facilities and 1 municipal facility permits that were not reissued by December 31, 2013.
- ☒ The Agriculture trading baseline has not been updated to be consistent with the Bay TMDL.

The projected completion date for a final revised baseline is 2018 in the submitted milestones which does not align with the trading program revisions schedule submitted to EPA in April 2014. As the current Pennsylvania Trading regulations do not meet the Bay TMDL baseline, EPA has begun to object to permits with the trading language and will offer alternate language to address the concern. EPA expects the Plan of Action for updating the Agriculture baseline to be finalized during the 2014-2015 period.

### **2014-2015 Milestones Strengths**

- ☐ Commits to continue issuance of permits that are consistent with Bay TMDL wasteload allocations.
- ☐ Continue to submit upgrade and compliance schedules into EPA's Integrated Compliance Information System.

### **Key Areas to Address in the 2014-2015 Milestone Period**

- ☐ The Phase-3 sewage facility requiring a reissued permit should have cap loads effective by October 1, 2016, as specified in the 2012-2013 milestone.
- ☐ As part of the issuance process for the remaining industrial facilities, Pennsylvania should manage the total suspended solids (TSS) allocations in order to be consistent with the assumptions and requirements of the TMDL.

VA

### **Wastewater Treatment Plants and Onsite Systems – Maintain Ongoing Oversight**

#### **2012-2013 Milestone Achievements**

- ☐ In 2012 and 2013, all facilities covered by the Chesapeake Bay Watershed General Permit met their respective wasteload allocations. As allowed under the General Permit, the aggregate nitrogen and phosphorus loads from actual discharges within each sub-basin were well below the aggregated permit requirements.
- ☐ The 2013 General Assembly approved in its biennial budget a bond authorization to capitalize the Water Quality Improvement Fund for point source nutrient control programs, including \$101 million to fund grants for wastewater plant upgrades and up to \$75 million for Combined Sewer Overflow control projects in the cities of Richmond and Lynchburg.
- ☐ The Regulation for Alternative Onsite Sewage Systems (AOSS) 12 VAC 5-613 became effective December 7, 2011.
- ☐ New septic growth impacts will be mitigated by the new nitrogen-reducing requirements of the AOSS Regulations, which became effective December 7, 2011.
- ☐ Finalized an implementation manual to improve consistency with the application of the new regulations.

- ☐ One hundred fifty-four denitrification systems have been installed, even before the effective date of the regulatory requirement.
- ☐ Upgraded the Virginia Environmental Information Systems database to track onsite facilities connections to public sewer when the information is received by Virginia Department of Health (VDH).

#### **2012-2013 Milestones Missed**

- ☐ Although Virginia revised its tracking system for onsite systems to include information on public sewer connections, capturing these data from local governments remains incomplete.

#### **2014-2015 Milestones Strengths**

- ☐ Will initiate reissuance of the Watershed General Permit including reduced limits in the James River basin consistent with the Chesapeake Bay TMDL wasteload allocations and Appendix X.

#### **Key Areas to Address in 2014-2015 Milestone Period**

- ☐ Submit wastewater treatment plant upgrade schedules and nutrient loadings into EPA's Integrated Compliance Information System.
- ☐ EPA encourages VDH to develop a requirement for wastewater authorities to inform VDH when onsite facilities are connected to public sewers.

WV

#### **Wastewater Treatment Plants and Onsite Systems – Maintain Ongoing Oversight 2012-2013 Milestone Achievements**

- ☐ West Virginia met all their programmatic wastewater treatment plant and septic milestone commitments.
- ☐ West Virginia met all their nitrogen, phosphorus and sediment 2012-2013 loading milestones.
- ☐ Completed upgrades to Shepherdstown and Fort Ashby/Frankfort Public Service Districts (PSD) as of December 31, 2012.
- ☐ The Frankfort PSD is now accepting all wastewater from the Fort Ashby PSD and other non-significant facilities taken over by the new facility. West Virginia Department of Environmental Protection is tracking the transfer of loads from these facilities to the Frankfort PSD.
- ☐ Reeds Creek facility is currently in compliance with West Virginia's wasteload allocations.
- ☐ The wastewater treatment plant upgrade and permit compliance schedule was updated to reflect information through December 31, 2013.

#### **2012-2013 Milestones Missed**

- ☐ None.

**2014-2015 Milestones Strengths**

- ☐ The Moorefield Regional Wastewater Treatment Plant has been built to accept flows from two Pilgrim's Pride facilities and the City of Moorefield. It is expected to achieve compliance with its individual wasteload allocations starting in 2015.
- ☐ Commits to continue the submission of upgrade and compliance schedules into EPA's Integrated Compliance Information System.

**Key Areas to Address in 2014-2015 Milestone Period**

- ☐ None.