

NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY

Semi-Annual Report

East of Hudson Nonpoint Source
Pollution Control Program

July 2012

*Prepared in accordance with Section 4.9 of the New York City Filtration
Avoidance Determination, July 2007*

This report discusses the status of the components of the East of Hudson Nonpoint
Source Pollution Control Program for the first half of 2012.

Prepared by the New York City Department of Environmental Protection

1.0 Introduction

The East of Hudson Nonpoint Source Pollution Control Program (Program) is a comprehensive effort to address nonpoint pollutant sources in the four East of Hudson (EOH) Catskill/Delaware (CAT/DEL) watersheds¹. The Program supplements DEP's existing regulatory and water quality management initiatives.

2.0 Wastewater-Related Nonpoint Source Pollution Management Programs

2.1 Wastewater Infrastructure Mapping and Inspection Program

To locate and characterize the sanitary infrastructure in the four basins, DEP funded a program to video inspect and digitally map the sanitary infrastructure. DEP completed the program in 2011.

2.2 Septic Program East of Hudson

During the reporting period, DEP continued to assist Westchester County Health Department staff to complete their comprehensive SSMP database. The database includes information on new septic applications, septic repairs/remediation, and pump out data as well as contractor licensing information. Putnam County continues to assess potential revisions to septic repair program and implement the maintenance component for septic systems that were already repaired.

3.0 Stormwater-Related Nonpoint Source Pollution Management Programs

3.1 Stormwater Retrofit and Remediation

In an effort to further reduce pollutant loading from stormwater runoff, DEP is working on multiple nonpoint source reduction projects within the EOH Catskill/Delaware watersheds.

3.1.1 Stormwater Retrofit Projects

Hemlock Dam Road and Magnetic Mine Road are unpaved roads in the Town of Carmel that drain toward Croton Falls Reservoir. DEP completed all project work for the reconstruction of both Hemlock Dam Road and Magnetic Mine Road in 2010.

3.1.2 Stormwater Remediation Projects

Remediation Projects on City-Owned Property:

Maple Ave, Town of Bedford, Westchester County: The designs are 100% complete. Due to changes in design, at the request of the Town, the stormwater pollution prevention plan (SWPPP) was not approved as anticipated in 2011. DEP anticipates receipt of the SWPPP approval in the second half of 2012.

Michael Brook, Town of Carmel, Putnam County: The contract to construct this stormwater project was registered in April 2012. Construction is anticipated to begin the second half of 2012.

Drewville Road, Town of Carmel, Putnam County: Due to changes in design, at the request of the Town, the SWPPP was not approved as anticipated in 2011. During the reporting period, DEP met with the Town Engineer, Town Planner and Town Planning Board. DEP anticipates receipt of the SWPPP approval in the second half of 2012.

¹ The east of Hudson Catskill and Delaware reservoirs include West Branch, Croton Falls, Cross River and Boyd Corners.

Remediation Projects on Privately-Owned Property:

Sycamore Park, Long Pond Road/Crane Road Town of Carmel, Putnam County: The contract to construct this stormwater project was registered in April 2012. Construction is anticipated to begin the second half of 2012.

Nemarest Club, Town of Kent, Putnam County: The contract to construct this stormwater project was registered in April 2012. Construction is anticipated to begin the second half of 2012.

3.1.3 Stormwater Remediation Small Projects

The Small Stormwater Remediation Projects Program involved the identification and remediation of smaller erosion sites in the four EOH Catskill/Delaware watersheds. The program was completed in 2009. The sites are now maintained under the Facility Inspection and Maintenance Program.

3.2 Facility Inspection and Maintenance

The facility inspection and maintenance program was developed to ensure that previously constructed stormwater remediation facilities continue to function as designed. New facilities continue to be brought on line and are added to the routine inspection program. Maintenance during the first year of a facility's life is completed under the warranty in the facility's construction contract and under DEP's maintenance contract thereafter. Inspection and maintenance follow procedures identified in the Operation and Maintenance Guidelines contained in the maintenance contract; facility types not described in this document were incorporated into the facility maintenance contract with explicit maintenance instructions.

3.3 Stormwater Infrastructure Mapping and Inspection Program

DEP completed the mapping and video inspection program in 2009.

3.4 Stormwater Infrastructure Capacity Evaluation

DEP completed the Stormwater Infrastructure Capacity Evaluation in 2010.

3.5 Stormwater Prioritization Assessment - DEP Properties

DEP completed the prioritization report in March 2009.

3.6 Funding Program - Croton Falls/Cross River

In November 2011, the majority of communities in Putnam, Westchester, and Dutchess Counties established the EOH Watershed Corporation (EOHWC). The mission of the EOHWC is to implement a regional retrofit program in the EOH watershed. The EOHWC subsequently elected officers and adopted by-laws.

During the reporting period, DEP held numerous discussions with the EOHWC to finalize the funding agreement to allow the transfer of both the \$4.5 million provided under the Croton Falls/Cross River Stormwater Retrofit Program as well as the additional funding required by the December 2010 Water Supply Permit (WSP). In April 2012, DEP and the watershed communities reached final agreement on a contract that is consistent with the 2007 FAD and 2010 WSP. It is anticipated that the contract will be registered in the second half of 2012.