

NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY

Semi-Annual Report

East of Hudson Nonpoint Source
Pollution Control Program

July 2011

*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 2011.

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 efforts and nonpoint source 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. The inspection program also assesses defects and identifies those that may result in exfiltration.

During the reporting period, DEP received and accepted the Comprehensive Summary Report, which compiles the information obtained as part of the video inspection and digital mapping of the sanitary lines. The report narrative includes the use of a standardized coding system to establish the salient criteria for the hydraulic performance of the sanitary system and includes repair, rehabilitation, and maintenance options for the sections that present the greatest potential for exfiltration. The submitted digital data was provided in a specified format that will allow the preparation of maps depicting the sanitary sewer infrastructure and defect locations. These items will be incorporated into the DEP central GIS library and digital versions, including access to the closed circuit television inspections, will be provided to the responsible municipal and private entities for review.

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 implement a septic repair program in priority areas.

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 CAT/DEL basins.

3.1.1 Stormwater Retrofit Projects

DEP completed all project work for the reconstruction of both Hemlock Dam Road and Magnetic Mine Road in the first half of 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. DEP anticipates receiving approval of the SWPPP by the Town and DEC during the second half of 2011.

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

Michael Brook, Town of Carmel, Putnam County: The designs are 100% complete. Bidding is anticipated during the second half of 2011.

Drewville Road, Town of Carmel, Putnam County: The designs are 100% complete. DEP anticipates receiving approval of the SWPPP by the Town and DEC during the second half of 2011.

Remediation Projects on Privately-Owned Property:

Sycamore Park, Long Pond Road/Crane Road Town of Carmel, Putnam County: DEP resolved the remaining issues with species and habitat. The designs are 100% complete. Bidding is anticipated during the second half of 2011.

Nemarest Club, Town of Kent, Putnam County: DEP secured the signed access agreement from the Nemarest Club owner. The designs are 100% complete. Bidding is anticipated during the second half of 2011.

3.1.3 Stormwater Remediation Small Projects

The *Small Stormwater Remediation Projects Program* was completed in 2009. The sites are now maintained under the Facility Inspection and Maintenance Program.

3.2 Facility Inspection and Maintenance

DEP maintains the stormwater management and erosion abatement facilities in the EOH Cat/Del watersheds. New facilities continue to be added to this contract for inspection and required maintenance. Inspection and maintenance follows procedures identified in the Operation and Maintenance Guidelines (DEP, 2000 revised in 2003). DEP is nearing the end of the current maintenance contract and will be entering into a new three-year contract in the second half of the year.

3.3 Stormwater Infrastructure Mapping and Inspection Program

DEP completed the mapping and video inspection program in 2009 and the data has been added to DEP's GIS system.

3.4 Stormwater Infrastructure Capacity Evaluation

DEP completed the Stormwater Infrastructure Capacity Evaluation in 2010.

3.5 Stormwater Prioritization Assessment - DEP Properties

The prioritization report was completed and submitted in March 2009.

3.6 Funding Program - Croton Falls/Cross River

In December 2010, the New York State Department of Environmental Conservation (NYSDEC) issued a Water Supply Permit (WSP) for DEP's Land Acquisition Program. That permit directed DEP to make available the \$4.5 million dollars allocated to the Croton Falls/Cross River Stormwater Retrofit Program, along with \$15.5 million in additional stormwater retrofit funding.

During the reporting period, DEP held numerous discussions with NYSDEC and the EOH watershed communities in order to comply with the terms of the WSP. The goal of these discussions was to develop the program framework and funding agreement that would govern both the \$4.5 million being provided under the Croton Falls/Cross River Program as well as the additional funding. In June 2011, DEP and the watershed communities reached general

agreement on the program framework that is consistent with the 2007 FAD. It is anticipated that the EOH communities in Putnam, Westchester, and Dutchess County will form a local development corporation (EOH Watershed Corporation or EOHWC) to implement a regional retrofit program.