

***NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY***

Submit report on the implementation of stormwater best management practices, the implementation of community-wide stormwater infrastructure assessment and planning program, and efforts to expand the program.

July 31, 2011

Prepared in accordance with Section 3.5 (concerning the Stormwater Retrofit Program) of the July 2007 United States Environmental Protection Agency Filtration Avoidance Determination

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During the first half of 2011, seven (7) Future Stormwater Controls Program resolutions were passed by the Catskill Watershed Corporation (CWC) Board of Directors

2/8/2011	1864	Future Stormwater - Delhi Fire District - design & construction
3/1/2011	1871	Future Stormwater - Robinson Terrace - design & construction
3/1/2011	1872	Future Stormwater - McMurdy Brook design costs
3/1/2011	1873	Future Stormwater - Town of Bovina Highway Garage O&M
4/5/2011	1888	Future Stormwater - West Mountain Properties O&M
5/3/2011	1900	Future Stormwater - Cannie D's Additional O&M
5/3/2011	1901	Future Stormwater – Program Rules – eligible costs

Resolution Number 1864 – The CWC Board of Directors approved funding a not to exceed amount of One Hundred Ninety-Seven Thousand Four Hundred Fifty-Four Dollars (\$197,454.00) of eligible costs for design and construction expanding an existing parking area and adding sidewalks for the Delhi Fire District Stormwater Pollution Prevention Plan.

Resolution Number 1871 – The CWC Board of Directors approved funding a not to exceed amount of One Hundred Forty-Eight Thousand Nine Hundred Nineteen Dollars and Forty-Five Cents (\$148,919.45) of eligible costs for design and construction of infiltration practices required solely by NYCDEP at the site of a new adult care facility in the Village of Stamford.

Resolution Number 1872 – The CWC Board of Directors approved funding a not to exceed amount of Fifteen Thousand Two Hundred Ten Dollars and Sixteen Cents (\$15,210.16) 50% of eligible design costs for a SWPPP due to the development of a subdivision in the Town of Kortright.

Resolution Number 1873 – The CWC Board of Directors authorizes the President and/or Executive Director to execute a contract with the Town of Bovina in an amount not to exceed Twenty Thousand Dollars (\$20,000.00) for maintenance costs associated with the Town of Bovina Highway Future Stormwater Project for a period of two years.

Resolution Number 1888 – The CWC Board of Directors authorizes the President and/or Executive Director to execute a contract with West Mountain Properties, LLC (Hobart Quickway) in an amount not to exceed Twenty Thousand Dollars (\$20,000.00) for 50% of maintenance costs associated with the Hobart Quickway Future Stormwater project for a period of up to two years.

Resolution Number 1900 – The CWC Board of Directors authorizes the President and/or Executive Director to execute a contract with Cannie D's Corner Corporation for an additional Twenty Thousand Dollars (\$20,000) for 50% of maintenance costs associated with the Cannie D's Future Stormwater project.

Resolution Number 1901 – The CWC Board of Directors approve the Program Rule Change describing requirements in the New York City Watershed Regulations that are not otherwise required by State and/or federal law.

During the first half of 2011, the CWC Board of Directors approved eight (8) resolutions related to the Stormwater Retrofit Program:

1/4/2011	1855	Stormwater Retrofit – Bob Gould Rd. - Additional Funds
1/4/2011	1856	Stormwater Retrofit – Town of Hunter Brine Tanks O&M
1/4/2011	1857	Stormwater Retrofit – Town of Shandaken Brine Tanks O&M
1/4/2011	1858	Stormwater Retrofit – Hamlet of Boiceville O&M
2/8/2011	1865	Stormwater Retrofit – Masonic Temple – Additional Funds
3/1/2011	1874	Stormwater Retrofit – Glenford-Wittenberg Rd. - design
3/1/2011	1875	Stormwater Retrofit – Sugar Maples - GCSWCD O&M
5/3/2011	1902	Stormwater Retrofit – Town of Hurley - Bristol Hills O&M

Resolution Number 1855 – The CWC Board of Directors approved reducing the Town of Walton Stormwater Retrofit Grant for Oxbow Hollow Drainage Improvements Project by Six Thousand Dollars (\$6,000.00) for a total not to exceed amount of One Hundred Thirty-Seven Thousand Nine Hundred Ninety Dollars (\$137,990.00) and increasing the Town of Walton Stormwater Retrofit Grant for Bob Gould Road Drainage Improvements Project by Six Thousand Dollars (\$6,000.00) for a total not-to-exceed amount of Fifty-Nine Thousand Seven Hundred Twenty Dollars (\$59,720.00).

Resolution Number 1856 –The CWC Board of Directors authorized the execution of an Operation and Maintenance Contract with the Town of Hunter for the Brine Tanks in an amount not to exceed Two Thousand Eight Hundred Thirty Dollars and Eighty-Eight Cents (\$2,830.88).

Resolution Number 1857 – The CWC Board authorized the execution of an Operation and Maintenance Contract with the Town of Shandaken for the Brine Tanks in an amount not to exceed Three Thousand Seven Hundred Thirty-Three Dollars and Ninety-One Cents (\$3,733.91).

Resolution Number 1858 – The CWC Board of Directors authorized the execution of Operation and Maintenance Contract with the Town of Olive for the Hamlet of Boiceville in an amount not to exceed Eighty-Three Thousand Three Hundred Ninety-One Dollars and Thirty-Eight Cents (\$83,391.38).

Resolution Number 1865 – The CWC Board of Directors approved increasing the Town of Windham Stormwater Retrofit Grant for the Masonic Temple Access Road Project by One Thousand Two Hundred Twenty-Four Dollars and Ninety Cents (\$1,224.90) for a total not to exceed amount of Twenty-Two Thousand Four Hundred Seventy-Four Dollars and Ninety Cents (22,474.90).

Resolution Number 1874 – The CWC Board of Directors approved design funding to the Town of Hurley Bristol Hills project in the amount of Two Thousand Six Hundred Eighteen Dollars

(\$2,618.00) for a total project cost of Three Thousand Eighty Dollars (\$3,080.00) with a local match of Four Hundred Sixty-Two Dollars (\$462.00).

Resolution Number 1875 – The CWC Board of Directors authorized the execution of an Operations and Maintenance Contract with Greene County Soil & Water Conservation District for Sugar Maples to provide maintenance funds in the amount of Twenty Thousand Five Hundred Fifty-Four Dollars and Fifty Cents (\$20,554.50), representing 17.6% of the total CWC Stormwater Retrofit Funds expended on the project.

Resolution Number 1902 – The CWC Board of Directors authorized the execution of an Operations and Maintenance Contract with the Town of Hurley for Bristol Hills to provide maintenance funds in the amount of Fourteen Thousand Five Hundred Twenty-Six Dollars and Twenty-Four Cents (\$14,526.24) representing 17.6% of the total CWC Stormwater Retrofit Funds expended on the project.

Sixty-six (66) stormwater retrofit projects have been completed since 2000 under the CWC Stormwater Retrofit Program. Fourteen (14) stormwater retrofit projects remain open – eleven (11) construction projects and three (3) Planning and Assessment projects. The table below provides a summary status of active stormwater retrofit construction projects.

Stormwater retrofit program – construction grants – open projects.

	Applicant	Project Area	Project Description	Approval	Status
1	Town Of Andes	Delaware County Route 2 & Coulter Rd	Installation of Collection, Conveyance and Sedimentation Devices for Stormwater Drainage from Medium Density Residential, Commercial and County Highway Surfaces	1/27/04	Construction
2	Village of Tannersville	Hunter Foundation	Design and installation of stormwater collection, conveyance, and treatment structures	5/27/08	Flooded - being redone this summer
3	Village of Delhi	Delhi Stormwater Mitigation Measures	Implementation of stormwater mitigation practices to reduce inflow & infiltration into Delhi sanitary sewers	6/24/08	Open

4	Ulster County	Glenford-Wittenberg	Installation of conveyance and ditch stabilization measures to accommodate stormwater runoff	3/25/08	Construction
5	Town of Roxbury	Lake Street	Design of stormwater collection, conveyance, and treatment structures	8/26/08	Design
6	Town of Andes	High Street	Design and installation of stormwater collection, conveyance, and treatment structures	8/26/08	Construction
7	Town of Ashland	Ashland	Design and installation of stormwater collection, conveyance, and treatment structures	9/23/08	90% Complete awaiting restoration
8	Town of Shandaken	Highway Garage	Design of stormwater collection, conveyance, and treatment structures	4/7/09	Design
9	Mountain Top Library	Haines Falls Free Library	Design and installation of stormwater collection, conveyance, and treatment structures	11/3/09	Construction
10	Town of Shandaken	Pine Hill Design	Design of stormwater collection, conveyance, and treatment structures	2/2/10	Design
11	Town of Walton	Walton Mountain Road	Design and construction of stormwater collection, conveyance and treatment	2/3/09	Construction

A total of twelve (12) stormwater retrofit Planning and Assessment projects have been completed with program funding, while three (3) remain open. The table below lists the Planning and Assessment projects to be completed.

Stormwater retrofit program – planning & assessment grants – open projects

	Applicant	Approved Budget	Approved Date	Status
1	Roxbury (T) Grand Gorge	\$ 34,000.00	1/27/04	Open
2	Andes (T)	\$ 35,275.00	5/5/09	Open
3	Ashland (T)	\$ 42,491.50	10/6/09	Open
