

Town of Windsor
Stormwater Management Plan



2006 Annual Report

December 30, 2006

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Executive Summary

In 2004, the Town of Windsor prepared a five-year Phase II Stormwater Management Plan as required by the Connecticut Department of Environmental Protection's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems.

This plan includes several goals and actions to achieve cleaner stormwater in drainage systems, watercourses, waterbodies, and wetlands throughout the Town.

The General Permit requires the Town to submit annual reports, which demonstrate the plan progress, effectiveness, and upcoming goals and actions. These reports are also produced for residents for review and comment. The following information includes the Town's efforts to date on the plan and what the Town will accomplish throughout the life of the General Permit.

2006 Annual Report

The Town of Windsor completed the preparation of the Stormwater Management Plan in May 2004. The Plan is available for public review at the Windsor Main Library, the Wilson Branch Library, the Town Clerk's Office in the Windsor Town Hall, on the internet at www.townofwindsorct.com, or arrangements can be made to receive a copy by contacting the Engineering Department at (860) 285-1861.

As part of the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, the Town is required to develop and submit annual reports to demonstrate the progress of the Plan.

The first permit year (2004) for the Plan technically began in January of 2004 although the Plan was not formally submitted to CTDEP until July 2004. The first permit year ended on December 31, 2004. This report covers the period of January 1, 2006 through December 31, 2006.

The activities completed this year, include the following:

Catch basin marker installation

As part of the catch basin marker installation program, approximately 85 catch basins were marked with a placard, stating, "Drains to Waterways and the Long Island Sound, No Dumping!" These markers warn people that discharging harmful contaminants into a catch basin has a negative impact on the local waterways and the Long Island Sound. This year college interns were available to install the markers. This program will continue throughout the permit years.

Stormwater website

The Information Section of the Town's website, www.townofwindsorct.com/information.index.htm was used to provide information regarding the Town's efforts on stormwater management. This information can also be accessed through the introductory screen on the Town of Windsor's web page at www.townofwindsorct.com. The stormwater section includes the five-year Stormwater Management Plan, the presentation slides for the stormwater management plan that were used at the Conservation Commission meeting, and the 2004 and 2005 Annual Report. As the plan progresses, additional stormwater related information will be added to this web page. The 2006 Annual Report will be made available through the web page.

Household hazardous waste collection day

The Town continued its coordination efforts for the Metropolitan District Commission's Household Hazardous Waste Collection Day in June, 2006. This

collection allows residents to properly dispose of household hazardous wastes such as pool chemicals, wood preservatives, and disinfectants. This program is anticipated to remain throughout the life of the permit.

Community Clean-ups

The Town Environmental Planner conducted 2 community clean-ups, April 21, 2006 and September 30, 2006. The April clean-up was throughout Town and over 2 tons of trash was collected. The September clean-up was focused on the banks of the Farmington River and Connecticut River.

Public Education

The Town provided stormwater management information to Windsor residents through a variety of media outlets over the past year. A feature article with photos was published in the *Reminder Newspaper*, a free local publication distributed to all Windsor households. Feature articles and photos were also published in local newspapers on the Earth Day and Riverfront community clean-up efforts. Promotional information on these events as well as other stormwater management educational information was broadcast on Windsor's Government Access Television Channel, WGTV.

In addition, the Town of Windsor publication, *There's a lot to do in Windsor* included public relations information for pool and outdoor hot tub owners regarding regulations for pool wastewater discharge and environmental education tips for residents regarding washing cars and watering lawns. Earth Day and Connecticut River Clean-up programs were also publicized in the magazine to educate all citizens. This town magazine, published three times per year is mailed to every household and business in Windsor for a total distribution of 13,500.

This past Fall, the Environmental Planner conducted a seminar on improving stormwater quality for residents along Silver Birch Pond in Windsor with attendance by NEMO, Farmington River Watershed Association and Harrington's Organic Care.

Street sweeping

The Town continued its efforts to sweep Town-owned roadways and parking areas. All of the town roadways and parking areas were swept between the early spring and summer. This program will continue throughout the five-year stormwater plan.

Development reviews

Town staff reviews all proposed developments with respect to stormwater quality impacts. Town staff works with developers and engineers for each individual project to determine the best management practices. This practice will also continue throughout the life of the plan.

Oil/water separators are now being required in new commercial and industrial parking areas for stormwater cleaning prior to discharge into detention basins or offsite stormwater systems.

Water Testing

The Town was required by the permit to complete a minimum of six outfall water tests, which represent the overall nature of each respective land use type, including industrial, commercial, and residential land uses. Outfalls are stormwater discharges, typically pipes located at the end of a storm drainage system that allow stormwater to enter into a watercourse, waterbody, wetland etc.

The six outfall water testing locations were selected in an attempt to geographically cover the Town and subsequently cover different watersheds, watercourses, wetlands, etc. We visited several potential outfalls and selected the following locations due to their geographic location, accessibility, and the nature of the contributing watershed area:

Commercial Outfall Locations

1. 1075 Kennedy Road (Shopping Center with Stop & Shop)
2. 555 Day Hill Road (Day Hill Village Shoppes)

Industrial Outfall Locations

1. 800 Marshall Phelps Road (Industrial Park)
2. 615 Day Hill Road (Baran Institute of Technology)
3. 570 Hayden Station Road – Alternate test location (Industrial Park)

Residential Outfall Locations

1. Between 124 and 128 Harvest Lane
2. Between 21 and 27 Philip Henry Circle

Proposed 2007 Permit Year Activities

Several goals and actions are proposed, which will be completed during the fourth permit year (2007) of the Plan. The following measures are planned to be completed in 2007 with respect to the Minimum Control Measures:

Public Participation/Involvement

- Conduct a community cleanup
- Conduct a public information meeting
- Request involvement from a Town Organization(s)

Public Education and Outreach

- Develop educational brochures
- Develop an educational television campaign
- Continue catch basin markings

Illicit Discharge Detection and Elimination

- Continue household hazardous waste collection day
- Develop an illicit discharge ordinance
- Employee training

Pollution Prevention/Municipal Stormwater Practices

- Develop employee training materials
- Develop Best Management Practices
- Evaluate maintenance program effectiveness
- Employ Stormwater Pollution Prevention Plans for Town facilities
- Utilize the Information Management System
- Prepare a stormwater system maintenance plan and schedule

Construction Site Runoff Control

- Setup information management system
- Develop a sediment and erosion control ordinance

Post Construction Site Runoff Control

- Develop a list of recommended Best Management Practices
- Develop a post construction runoff control ordinance
- Continue staff training

- Publish a list of Best Management Practices

Water Testing, Evaluation, and Reporting

- Improved water quality testing (Commercial, Industrial, Residential)
- Evaluation Report