



Town of Glastonbury

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April 27, 2009



Ms. Nisha Patel
Bureau of Water Management
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Re: MS4 General Permit – 2008 Annual Report
Application #200401149

Dear Ms. Patel:

Enclosed please find our 2008 Annual Report that describes work completed during calendar year 2008 toward compliance with the Town's MS4 General Permit. Plan review fees and stormwater sampling results for the 2008 reporting year were transmitted previously.

Based on the enclosed report, a summary of work to be completed in 2009 is as follows:

- Conduct annual training, annual street sweeping and catch basin cleaning.
- Continue partnering efforts with the Board of Education.
- Continue efforts toward implementation of a new ordinance to prevent illicit stormwater discharges.
- Complete update of 200-scale storm drain maps to reflect recent subdivision activity and results of field check of maps.
- Incorporate outfall characterization data obtained from GIS analysis into inspection database.
- Continue work on Town regulations and policy documents to formally implement post-construction water quality best management practices.
- Conduct yearly stormwater sampling.

If you have any questions or require additional information, please contact me at (860) 652-7736.

Sincerely,

Daniel A. Pennington, P.E.
Town Engineer/Manager of
Physical Services

DAP/ce

cc: Stephen M. Braun, Assistant Town Engineer

#1 - Public Education and Outreach

BMP ID	BMP Description	Scheduled / Revised Date	Status / Progress
1-1	Use print media to educate public	Spring 2006 (recurring) Final event Fall 2007	<u>Completed during previous reporting period.</u>
1-2	Research and provide educational links from Town web site	Fall 2006 Fall 2007	<u>Completed during previous reporting period.</u>
1-3	Lawn maintenance brochure	Spring 2007 Spring 2008	<u>Ongoing</u> – Continue distributing pollution prevention brochures with permits.
1-4	Partner w/ Board of Ed. to educate children	Spring 2007 Spring 2008	<u>Ongoing</u> – Currently coordinating with the 7 th grade science teacher who has a detailed unit on Long Island Sound covering pollution prevention topics. We will be providing watershed maps for use in the upcoming unit and will be continuing to look for partnering opportunities. Successful involvement of the High School interact Club with items 2-5 and items 2-6 under public involvement also demonstrates progress under this item.

#2 – Public Involvement

BMP ID	Description	Scheduled / Revised Date	Status / Progress
2-1	Develop public involvement program	Spring 2005 (recurring)	See Item 2-3
2-2	Comply with state and local public notice and FOI	Ongoing	A copy of this annual report will be posted again this year on the Town web site for public information.
2-3	Public Hearing	Spring 2006	<u>Completed during previous reporting period.</u>
2-4	Adjust plan from public comments	Summer 2006	<u>Completed during previous reporting period.</u>
2-5	Clean stream belts by volunteers	Fall 2006 Fall 2007 Fall 2008	<u>Ongoing</u> – 58 volunteers from the High School Interact Club, High School Enviro Club, and Boy Scout Troop 540 participated in river bank clean up efforts as part of the “Source to Sea Clean Up” coordinated by the CT River watershed Council. This event was held on October 4, 2008 in Glastonbury, and included clean up of the CT River bank at Point Road and the Riverfront Community Center on Welles Street.
2-6	Install storm drain markers	Spring & Fall 2006 Fall 2007	<u>Completed during previous reporting period.</u>

#3 – Illicit Discharge Detection and Elimination

BMP ID	Description	Scheduled / Revised Date	Status / Progress
3-1	Map outfalls 15" and greater in urbanized area, inspect priority discharges.	2005-2009	<u>Ongoing</u> – Approximately 90 additional outfalls were inspected during 2008, which completes the outfall inspection program. A total of 577 outfalls were inspected, and several have been flagged for follow up inspections or for cleaning / repairs. The remaining outfall characterization data has been developed using GIS and will be added to the outfall database this year.
3-2	Map outfalls 15" and greater town wide.	2006 2009	<u>Ongoing</u> - 200 scale storm drain maps and GIS database are in the process of being updated to reflect recent subdivision activity.
3-3	Map outfalls 12" and greater in urbanized area.	2007 2009	See Item 3-2
3-4	Develop program to detect and eliminate illicit discharges	Fall 2004 to Winter 2008	<u>Completed during previous reporting period.</u>
3-5	Develop illicit discharge ordinance	Summer 2005 to Winter 2007 2008 2009	A draft ordinance based on the EPA model ordinance has been developed by Town staff and is currently under review by the Town Manager.

#4 – Construction Runoff

BMP ID	Description	Scheduled / Revised Date	Status / Progress
4-1	Review land use regulations for consistency with MS4 permit and E&S guide, issue report to identify deficiencies.	2004 / 2005 2006	<u>Completed during previous reporting period.</u>
4-2	Enact regulation revisions and ordinances	2006 2007	<u>Completed during previous reporting period.</u>
4-3	Prepare library of Town preferred BMP's	2007	<u>Completed during previous reporting period.</u>
4-4	Prepare design review checklist.	2008	The checklist for E&S Plans included on pages 3-12 through 3-13 of the 2002 CT Guidelines for Erosion and Sediment Control has been adopted by Town staff. A field inspection checklist for E&S measures is under development in consultation with planning and inspection staff.

#6 – Good Housekeeping

BMP ID	Description	Scheduled / Revised Date	Status / Progress
6-1	Develop training program for municipal employees, train annually.	2004 (recurring)	<u>Recurring</u> – New training program was successfully implemented this year, including a new training video entitled “Storm Watch: Municipal Stormwater Pollution Prevention” that was recently purchased and incorporated into the program.
6-2	Sweep streets at least once per year as soon as possible after snowmelt.	Spring 2004 (recurring)	<u>Recurring</u> - All streets and parking lots of Town facilities were swept in the Spring of 2008.
6-3	Evaluate urbanized area for possible sweeping more than once per year	2008	<u>Completed during previous reporting period.</u>
6-4	Clean storm structures as required by program described under Item 6-5.	Spring 2004 (recurring)	<u>Recurring</u> – 1,552 catch basins were cleaned in 2008 by Town staff. The need for catch basin cleaning has been significantly reduced through use of treated road salt instead of sand, which has now been in place for 3 years. Frequency of catch basin cleaning could now be reduced, which will be evaluated in the coming year.
6-5	Develop a program to evaluate and categorize catch basins and other structures for maintenance, including a field evaluation form and database for storm structures.	2006 - 2008	<u>Completed during previous reporting period.</u>

#7 – Monitoring

BMP ID	Description	Scheduled / Revised Date	Status / Progress
7-1	Sample 6 priority outfalls once per year	Fall 2004 (recurring)	Sampling at 6 locations was completed on 9/12/2008 (data previously submitted).