



# Town of Glastonbury

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March 1, 2010

GLASTONBURY  
PUBLIC WORKS  
FILE COPY

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

Re: MS4 General Permit – 2009 Annual Report  
Application #200401149

Dear Ms. Patel:

Enclosed please find our 2009 Annual Report that describes work over the past year toward compliance with the Town's MS4 General Permit. Plan review fees and stormwater sampling results for the 2009 calendar year were transmitted previously.

Based on the enclosed report, a summary of work to be completed in 2010 is as follows:

- Conduct annual training, annual street sweeping, and catch basin cleaning.
- Complete update of 200-scale storm drain maps and GIS coverage to reflect recent subdivision activity and results of field check of maps.
- Gather remaining outfall characterization data using GIS analysis.
- Continue work on Town regulations and policy documents to formally implement post-construction water quality best management practices.
- Prepare a checklist for E&S inspections.
- 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

Enclosure

### #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 Recurring	<u>Ongoing</u> – Continue distributing pollution prevention brochures with permits.
1-4	Partner w/ Board of Ed. to educate children	Spring 2007 Spring 2009	<u>Completed</u> – Discussions with Board of Ed. science staff indicate significant curriculum currently exists regarding stormwater pollution prevention topics. Continued involvement of the High School interact Club and Glastonbury Crew Team with items 2-5 and items 2-6 under public involvement 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	Recurring	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	Recurring	<u>Ongoing</u> – 82 volunteers from the High School Interact Club, Crew Team, 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 3, 2009 in Glastonbury and removed approximately 1,200 lbs of trash and 53 tires.
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 2010	<u>Ongoing</u> – Inspection program completed in previous reporting period. Remaining outfall characterization data has been developed using GIS and will be added to the outfall database in the coming year.
3-2	Map outfalls 15" and greater town wide.	2006 2009 2010	<u>Ongoing</u> – Work on 200 scale storm drain maps and GIS database continues in order to reflect recent subdivision and field check of maps.
3-3	Map outfalls 12" and greater in urbanized area.	2007 2009 2010	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 <del>Winter 2007</del> 2008 2009 2010	<u>Completed</u> - A new illicit discharge ordinance based on the EPA model ordinance was enacted by the Town Council at the February 23, 2010 meeting.

### #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 2010	No activity this reporting period. Checklist for review of E&S plans was adopted under previous reporting period. A field inspection checklist for E&S measures remains under development in consultation with planning and inspection staff.

### #5 – Post Construction Water Quality

BMP ID	Description	Scheduled / Revised Date	Status / Progress
5-1	Review land use regulations for consistency with MS4 permit and current water quality standards, issue report to identify deficiencies.	2004-2005 2006	<u>Completed during previous reporting period.</u>
5-2	Enact regulation revisions and ordinances	2005-2010	<p><u>Ongoing –</u> Revisions to the Building Zone Regulations and Subdivision and Resubdivision Regulations to formalize implementation of BMP's are under review by the Community Development office staff.</p> <p><u>Completed -</u> Revisions to the Town wetland regulations to include an increase in the wetland regulated area from 100 ft to 150 ft for three of the most sensitive water sheds and an objective to maintain a maximum impervious cover of 10% on a property were formally adopted by the Inland Wetlands and Watercourses Agency on February 11, 2010.</p> <p><u>Completed under previous reporting period-</u> Issued updated Standards for Public Improvement Projects in September of 2008, which require selected BMP's from the DEP Storm Water Quality Manual for public improvement projects.</p> <p>The Town Plan of Conservation and Development issued in September, 2007 includes the promotion of BMP's to benefit surface and ground water quality.</p>
5-3	Study and issue a report detailing feasibility of incorporating BMPs into public and private projects.	2005-2010	See Section 5-2.
5-4	Provide recommendations for ensuring long term maintenance of BMPs.	2005-2010	Provisions for long term maintenance of BMP's will be included in revisions to regulations and policy manuals listed above.

### #6 – Good Housekeeping

BMP ID	Description	Scheduled / Revised Date	Status / Progress
6-1	Develop training program for municipal employees, train annually.	Recurring	<u>Ongoing</u> –The annual training program was not completed during 2009 due to a transition of supervisory staff. The training program will be re-established in 2010.
6-2	Sweep streets at least once per year as soon as possible after snowmelt.	Recurring	<u>Ongoing</u> - All streets and parking lots of Town facilities were swept in the Spring of 2009.
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.	Recurring	<u>Ongoing</u> – 1,552 catch basins were cleaned in 2009 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 4 years. Frequency of catch basin cleaning has been reduced due to significant reduction in sand use.
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	Recurring	Sampling at 6 locations was completed on 9/11/2009 (data previously submitted).