



MS4 General Permit
Town of Stratford 2017 Annual Report
Existing MS4 Permittee
Permit Number GSM 000105
January 1, 2017 – December 31, 2017



This report documents Town of Stratford's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2017 to December 31, 2017.

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach (Section 6 (a)(1) / page 19)

1.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
1-1 Implement public education program	Complete and ongoing	<ul style="list-style-type: none"> -Updated the Town's Stormwater Management webpage to include a link to the Town's Stormwater Management Plan. -Conservation department published an article in the Town newspaper and on Town website regarding the benefits of planting shade trees on private property. Benefits include stormwater infiltration. 	<ul style="list-style-type: none"> • Update stormwater management website and pertinent links • Design educational materials for distribution to residents and applicant's for permits 	Conservation (Tina Senft-Batoh)	Jul 1, 2018, and continue until permit expires	<ul style="list-style-type: none"> -Apr 3, 2017: SWMP -Sept-Oct 2017: Article published on shade trees 	-See attached article on importance of trees in an urban landscape

1.1a Distribute educational materials to developers	<i>Complete and on-going</i>	<i>Update Notice to contractors on MS4 requirements relating to construction.</i>	<ul style="list-style-type: none"> Continue distributing stormwater management educational materials to developers and contractors visiting various town departments 	Conservation (Tina Senft-Batoh) Engineering (John Casey) Zoning (Jay Habansky)	Jul 1, 2017, and continue until permit expires	<i>January 2, 2018</i>	<i>Updated from prior program. See attached updated notice</i>
1.1b Establish a program for stormwater education in schools	<i>On-going</i>	<i>Student field trips to Great Meadows Marsh</i>	<ul style="list-style-type: none"> Conduct outreach activities to schools throughout the town discussing impacts of stormwater discharges on local waterbodies 	Conservation (Tina Senft-Batoh)	September 1, 2018	<i>Spring 2017</i>	<i>Members of the Town's Conservation Commission continued to hold in-class discussions and field trips.</i>
1.1c Develop a program for employee training	<i>Complete and ongoing</i>	<i>Stormwater management training held in Public Works Department</i>	<ul style="list-style-type: none"> Conduct annual training sessions for Public Works employees on the terms and implementation of the stormwater management plan 	Conservation (Tina Senft-Batoh)	Jul 1, 2018, and continue until permit expires	<i>Apr 20, 2017</i>	<i>Consultant hired for training</i>
1-2 Address education/outreach for pollutants of concern*					Jul 1, 2018		
		•					

1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.

Dissemination of educational information on the Town's stormwater management website, and directly to contractors/permit applicants, will continue. Employee training by the Town's stormwater management consultant will continue to take place annually. The Conservation Department will publish articles on the town website, social media platforms, and newspapers that address different facets of stormwater management, including ways in which residents can help reduced pollutants of concern (i.e. nutrients and bacteria). The Conservation Department will also explore the possibility of adding a stormwater management lesson to the on-going class presentations, and student field trips to Great Meadows Marsh

1.3 Details of activities implemented to educate the community on stormwater

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
<i>Notice on MS4 requirements relating to construction updated and distributed with Engineering license applications and permit applications for Inland Wetland, Planning & Zoning, Engineering and Building.</i>	<i>Contractors and Developers</i>	<i>Construction Activities</i>		<i>Engineering, Building , P&Z, Conservation</i>
<i>Classroom and field trips discussions conducted by Volunteers regarding the Great Meadows Marsh (an important estuary in Long Island Sound that is part of the federal Stewart B McKinney Wildlife Refuge)</i>	<i>Students</i>	<i>How pollution in and around the marsh, and along Town watercourses, can effect the health of the marsh.</i>		<i>Conservation</i>
<i>A consultant for the Town's (HRP) held stormwater management training for supervisors and foremen in the Public Works Department.</i>		<i>Training involved discussion of good housekeeping practices, and actively monitoring for pollution</i>		<i>Conservation</i>

2. Public Involvement/Participation (Section 6(a)(2) / page 21)

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2-1 Comply with public notice requirements for the Stormwater Management Plan	<i>Complete</i>	<i>Notice published</i>	Publication of notice	Engineering (John Casey)	Apr 3, 2017	<i>Apr 3, 2017</i>	<i>See attached</i>
2-1b Comply with public notice requirements for Annual Reports	<i>Complete</i>		Publication of notice	Engineering (John Casey)	Feb 15, 2018	<i>Feb 15, 2018</i>	
2.2 Project Greensweep	<i>Complete</i>	<i>Annual Greensweep/Housatonic River Cleanup event held</i>	-Number of volunteers -Total tonnage of material collected	Conservation/DPW (Tina Senft-Batoh)		<i>May 6, 2017</i>	<i>Over 200 participants collected ~11 tons of material from local parks, beaches, open spaces, and watercourses.</i>
2.2b Regular Cleanups at Parks by Conservation Commission	<i>Complete and ongoing</i>	<i>Conservation Commission trash pickup at Birdseye Boat Ramp Community service group trash pickup at Long Beach and in Roosevelt Forest</i>	-Number of events -Total number of participants	Conservation/DPW (Tina Senft-Batoh)	September 2017	<i>Feb 2017 and Apr 2017</i>	
2.2b Hold a "Household Hazardous Waste Day" Event	<i>Complete</i>	<i>Biennial Household Hazardous Waste Collection held at Town Public Works Department</i>	-Number of vehicles processed	Conservation/DPW (Tina Senft-Batoh)	October 2017	<i>Nov 4, 2017</i>	<i>See attached</i>
2-3 NEW Establish stormwater committee	<i>Complete</i>	<i>Identified committee members</i>	<i>Provide forum to coordinate SWMP implementation across depts. and commissions</i>	Conservation (Tina Senft-Batoh), Engineering (John Casey)	-	<i>Nov 1, 2017</i>	<i>Reason for addition: Committee will represent town departments & commissions with stake in stormwater mgmt.</i>
2-4 NEW Establish volunteer tree planting program	<i>Complete</i>	<i>A discount was offered to residents purchasing shade trees from a local garden center.</i>	<i>Number of Trees purchased by public</i>	Conservation (Tina Senft-Batoh), Engineering (John Casey)	-	<i>Oct 2017</i>	<i>Despite much talk among Commissions and town residents on social media, only one shade tree was</i>

							<i>purchased and planted through the discount program.</i>
<i>2-5 NEW Establish volunteer tree planting program</i>	<i>Complete</i>	<i>Assess the quality of embayments in Long Island.</i>	<i>Number of Trees purchased by public</i>	<i>Conservation (Tina Senft-Batoh), Engineering (John Casey)</i>	<i>-</i>	<i>Mar-Oct 2017</i>	<i>Participation in this program will continue provided funding and equipment is once again made available.</i>

2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

Hold quarterly stormwater committee meetings to review SMP implementation progress. Town staff members will advise public committees/commission at their monthly meetings.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Yes	Apr 3, 2017	Plan posted at Town Clerk office Town hall and Stratford Public Library 4/4 to 5/3/2017 Announcement and plan posted at http://www.townofstratford.com/stormwater
Availability of Annual Report announced to public	Yes	Nov 2017	http://www.townofstratford.com/content/39832/39846/39927/40909/77073/default.aspx
Greensweep: # of volunteers attending, Total tonnage of material collected	Yes	May 6, 2017	Over 200 participants collected ~11 tons of material from local parks, beaches, open spaces, and watercourses.
Public Commission cleanup efforts: -Number of events, Total number of participants, tonnage collected	Yes	Feb 2017 and Apr 2017	Two trash cleanup events were held with over a dozen volunteers from the Town's Conservation Commission and a local community service group. More than 500 pounds of garbage was collected from town property.
Household Hazardous Waste Day- # of vehicles processed	Yes	Nov 4, 2017	Collected 316 full car loads and 95 half car loads of hazardous waste from Town residents.
Met March 23rd 2017 prelim committee. Nov 1st 2017 staff committee established as Conservation- Tina Batoh, Planning and Zoning- Jay Habansky, Highway- Tom Albert, Engineering- John Casey	Yes	Nov 1, 2017	Reports to Commissions included in minutes posted monthly with Town Clerk and Town Website.
The Town's Conservation Department and volunteers from Conservation Commission participated in a regional effort to assess the quality of embayments in Long Island Sound. Participants are coordinated through Save the Sound and include volunteers along the CT coastline and north shore of Long Island Sound. The Stratford group was funded though the HarborWatch and the Long Island Sound Funders Collaborative to assess 5 stations in the Housatonic river for	Yes	May 2017- Oct 2017	The data was provided to Save the Sound for inclusion in their study.

temperature, salinity, depth, dissolved oxygen, turbidity, and chlorophyll a. Twice-monthly samplings were conducted between May and October of 2017.

3. Illicit Discharge Detection and Elimination (Section 6(a)(3) and Appendix B / page 22)

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3-1 Develop written IDDE program	<i>In progress</i>	<i>Town is in process of completing written IDDE program using the CT IDDE program template</i>	Develop written plan of IDDE program	Conservation (Tina Senft-Batoh) Engineering (John Casey) WPCA (Thomas Hyde) Highways (Thomas Albert)	Jul 1, 2018	<i>Anticipate completing by the deadline of July 1, 2018.</i>	
3-2 Update maps of all MS4 stormwater outfalls throughout municipality	<i>In progress</i>	<i>Town is in process of updating map layers as additional information is received</i>	Updated of GIS map layers	Engineering (John Casey)	Jul 1, 2020		
3-3 Implement citizen reporting program	<i>In progress</i>	<i>The Town is working with a consultant to determine the best means for reporting</i>	Completion of SOP for program	Conservation (Tina Senft-Batoh) IT Department (David Wright)	Jul 1, 2018	<i>Anticipate completing by the deadline of July 1, 2018.</i>	
3-4 Establish legal authority to prohibit illicit discharges			Establishment of authority upon approval of ordinance/regulations by Town Council	Mayor (Laura Hodick)	Jul 1, 2019		
3-5 Develop record keeping system for IDDE tracking	<i>In progress</i>	<i>Continue to utilize existing Public Works Vue Works system for tracking</i>	Development of system/database	IT Department (David Wright)	Jul 1, 2017	<i>July 2017 and with further evaluation in future year</i>	
3-6 Address IDDE in areas with pollutants of concern	<i>In progress</i>	<i>Health Dept investigated 4 septic system failures</i>	•No. of reported and investigated IDDE in areas with pollutants of concern	Public Works (Maurice McCarthy) Blight	July 1, 2018 and through	<i>On-Going</i>	

				(Richard Fredette)	life of permit		

3.2 Describe any IDDE activities planned for the next year, if applicable.

3.1 Consultant to determine the best means for reporting to be completed 2018
 3.3 Citizen Reporting system will be evaluated for enhancing
 Bruce Brook cleanup effort and IDDE investigation to be conducted by Harborview in coordination with the City of Bridgeport.
 IDDE training will be provided to town staff as part of IDDE reporting program.

3.3 List of citizen reports of suspected illicit discharges received during this reporting period.

Date of Report	Location / suspected source	Response taken
2017	680 Broad St at Ferry Creek	It was determined that pump seals were leaking and these have been repaired to eliminate the problem

3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table.

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
Barnum Ave over Bruce Brook	2013	Bruce Brook, Bridgeport /	Unknown	CSO overflow in Bridgeport	CSO eliminated	

		<i>Stratford</i>				
<i>2725 Main St</i>	<i>8-2015</i>	<i>Stratford</i>	<i>Unknown</i>	<i>Suds discharge from adjacent parcel</i>	<i>Discharge relocated from storm drain</i>	

3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

VueWorks work order system is used by Highway and Conservation departments to track, investigation and follow up of IDDE detection.

3.6 Provide a summary of actions taken to address septic failures using the table below.

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
<i>405 James farm road</i>	<i>Health Dept completed follow up and system repaired</i>	
<i>2560 Huntington Road</i>	<i>Health Dept completed follow up and system repaired</i>	
<i>65 River Valley Road</i>	<i>Health Dept completed follow up and system repaired</i>	
<i>100 River Valley Road</i>	<i>Health Dept completed follow up and system repaired</i>	

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	<i>#330</i>
Estimated or actual number of interconnections	<i>#N/A</i>
Outfall mapping complete	<i>90%</i>
Interconnection mapping complete	<i>0%</i>
System-wide mapping complete (detailed MS4 infrastructure)	<i>70%</i>

Outfall assessment and priority ranking	1%
Dry weather screening of all High and Low priority outfalls complete	#0
Catchment investigations complete	#1
Estimated percentage of MS4 catchment area investigated	0%

3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).

Stormwater training session held at public works department for supervisors of the Parks Dept, Highway Dept, and WPCA. Attendees were trained on how to recognize a potential illicit discharge and where to report it.

4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	<i>In progress</i>	<i>Land use boards now require letter from licensed engineer to ensure MS4 compliance</i>	Making appropriate changes and updates to land use regulations	CAO (Chris Tymniak)	Jul 1, 2019	<i>Oct 2017</i>	
4-2 Develop/Implement model for interdepartmental coordination in site plan review and approval	<i>In progress</i>	<i>All land use applications are sent to various departments for staff comments prior to hearings</i>	Updated model for interdepartmental coordination in site plan review	Zoning (Jay Habansky)	Jul 1, 2018	<i>Continuation of existing practice therefore completed July 1, 2017</i>	
4-3 Review site plans for stormwater quality concerns	<i>On-Going</i>	<i>All land use applications are sent to Engineer for staff comments prior to hearings.</i>	Completion of reviews	Zoning (Jay Habansky) Engineering (John Casey) Conservation	July 1, 2017 and continue through life of	<i>Continuation of existing practice therefore completed July 1, 2017</i>	

				(Tina Senft-Batoh)	permit		
4-4 Conduct site inspections to ensure compliance with MS4, stormwater management plan, and sediment and erosion control requirements	<i>On-Going</i>	<i>Site inspections for site development in compliance with the permit continue</i>	Conduct inspections	Zoning (Jay Habansky) Conservation (Tina Senft-Batoh)	July 1, 2017 and continue through life of permit	<i>Continuation of existing practice therefore completed July 1, 2017</i>	<i>Inspection process developed by ZEO. (Inspection list attached)</i>
4-5 Maintain current opportunities for allowing public comment on site development	<i>On-Going</i>	<i>Public hearings and public forums held for site development proposals with significant impacts continue</i>	Conduct public hearings and public forums on site development proposals	Mayor (Laura Hoydick)	July 1, 2017 and continue through life of permit	<i>Continuation of existing practice therefore completed July 1, 2017</i>	<i>Public comment is always offered at every public hearing for site plan review</i>
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	<i>Complete</i>	<i>Developers provided necessary information in permit application packages for site development</i>	Continue to provide developers with necessary information in permit application package	Zoning (Jay Habansky) Buildings (Brian Donovan) Engineering (John Casey) Conservation (Tina Senft-Batoh)	July 1, 2017 and continue through life of permit	<i>July 1, 2017</i>	<i>See Attached</i>
4-7 NEW Develop stormwater compliance checklist	<i>In progress</i>	<i>Developing checklist to provide developers on stormwater mgmt compliance requirements</i>	<i>Standardize plan review</i>	Zoning (Jay Habansky)	<i>-Dec 2018</i>	<i>Jul 1, 2018</i>	<i>Reason for addition: Make it easier to ensure compliance with stormwater regulations</i>

4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

Monitoring Stratford High School Construction site
Monitoring construction of Self Storage facility on Barnum Ave.
Integrate stormwater compliance checklist into review process once completed.

5. Post-construction Stormwater Management (Section 6(a)(5) / page 27)

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
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5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning			Incorporation of LID in to land use regulatory framework	Town Attorney (Chris Hodgson)	Jul 1, 2021		
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	<i>On-Going</i>	<i>Plans reviewed and developments inspected to ensure Town goals for LID/runoff mitigation are achieved</i>	Inspect developments for LID/runoff compliance	Engineering (John Casey) Zoning (Jay Habansky)	Jul 1, 2019 and continue through life of permit	<i>On-going</i>	
5-3a Identify retention and detention ponds in priority areas	<i>Complete</i>	<i>Prepared list of water quality chambers and detention basins publicly maintained for DPW.</i>		Engineering (John Casey)	Jul 1, 2018	<i>Feb 2017</i>	<i>See attached</i>
5-3b Implement long-term maintenance plan for stormwater basins and treatment structures			Creation of maintenance plan document	Highways (Thomas Albert)	Jul 1, 2019		
5-4 DCIA mapping	<i>In progress</i>	<i>Contacted MetroCOG for assistance with mapping. Also solicited consultant proposal</i>	2018:coordinate effort with MetroCOG 2019: compile data 2020: complete mapping	Engineering (John Casey)	Jul 1, 2020		
5-5 Address post-construction issues in areas with pollutants of concern	<i>On-Going</i>	<i>Regulations and reporting procedures in place to ensure initial and long-term compliance</i>		Zoning (Jay Habansky) Conservation (Tina Senft-Batoh)	Not specified		
5-6 NEW Apply for open space grant	<i>In progress</i>	<i>Zoning Department and Conservation Department applied for an open space grant to purchase property at 795 James Farm Road and Beaver Dam Road in Stratford</i>	<i>Acreage of property purchased</i>	Planning/Zoning (Jay Habansky) Conservation (Tina Senft-Batoh)	-	<i>Jul 1 2018</i>	<i>Applications are still pending State approval</i>

5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

5.6 *Open space grant has been awarded to Town in amount of \$240K and will be secured and property acquisition procedures will begin.*

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	acres
DCIA disconnected (redevelopment plus retrofits)	acres this year / acres total
Retrofits completed	<i>#2 (Stfd PD and Nichols Sch part parking lots)</i>
DCIA disconnected	% this year / % total since 2012
Estimated cost of retrofits	\$
Detention or retention ponds identified	<i># 2 this year /#8 total</i>

5.4 Briefly describe the method to be used to determine baseline DCIA.

6. Pollution Prevention/Good Housekeeping (Section 6(a)(6) / page 31)

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-1 Develop/implement formal employee training program	<i>Complete and ongoing</i>	<i>Stormwater management training held in Public Works Department</i>	Training conducted	Conservation (Tina Senft-Batoh)	Jul 1, 2017	<i>Apr 20, 2017</i>	<i>Consultant hired to conduct training</i>
6-2 Implement MS4 property and operations maintenance	<i>Complete and Ongoing</i>	<i>A. -Reduce Fertilizer use B. -Parks Department continues to pick up bagged leaves and grass clippings from residences. C. -Leave and grass clippings from municipal properties are mulched on-site by the Parks Department D.-Use alternative deicing on town property.</i>	Modification of fertilizer use, management of leaves and grass clippings, management of deicing materials, vehicle maintenance procedures, management of town lots	Public Works (Maurice McCarthy)	Jul 1, 2018 and continue through life of permit	<i>Jul 1, 2017 and Ongoing</i>	<i>A. Fertilizer was only used at a few sports complexes and Town Hall. No fertilizer is being used on school grounds. B. The material is taken to the transfer station where it is hauled by an outside contractor. D. The Parks Department tried an eco-friendly ice melt, Liquid Snow Shovel, on municipal walkways</i>
6-3 Implement coordination with interconnected MS4s	<i>On-going</i>	<i>Work with City of Bridgeport on Bruce Brook cleanup</i>	Meeting with operators of interconnected MS4s and coordinating efforts to achieve BMPs	Conservation (Tina Senft-Batoh) Engineering (John Casey) Zoning (Jay Habansky)	July 1, 2021	<i>Dec 2017 and Ongoing</i>	<i>Bruce Brook coordination with City of Bridgeport meeting attended</i>
6-4 Develop/implement program to control other sources of pollutants to the MS4			Develop/implement program	Public Works (Maurice McCarthy)	July 1, 2021		
6-5 Evaluate additional measures for discharges to impaired waters*			Report on additional measure being undertaken	Public Works (Maurice McCarthy) Zoning (Jay Habansky)	July 1, 2019		

6-6 Track projects that disconnect DCIA	<i>Ongoing</i>	<i>Developed spreadsheet to track developments that disconnect impervious areas</i>	Continuously maintained spreadsheet of disconnect projects	Zoning (Jay Habansky) Engineering (John Casey)	July 1, 2017	N/A	
6-7 Implement infrastructure repair/rehab program	<i>In Progress</i>		Update/implement program	Highways (Thomas Albert) Engineering (John Casey)	Jul 1, 2020		
6-8a Develop plan to identify/prioritize retrofit projects			2020: Develop retrofit plan	Engineering (John Casey) Conservation (Tina Senft-Batoh)	Jul 1, 2020		
6-8b Implement retrofit projects to disconnect 2% of DCIA			2022: Implement retrofit projects	Engineering (John Casey) Conservation (Tina Senft-Batoh)	Jul 1, 2022		
6-9 Assess/modify street sweeping program			Modify program to comply with MS4 General Permit	Highways (Thomas Albert)	Jul 1, 2018		
6-10 Assess/modify catch basin cleaning program			Inspect all town catch basins by 2020	Highways (Thomas Albert)	Jul 1, 2020		
6-12 Assess/modify snow management practices			Modify program to comply with MS4 General Permit	Highways (Thomas Albert)	Jul 1, 2019		
<i>6-13 NEW Identify highly erosive areas in town ROW</i>	<i>Not started</i>	<i>Collect information on eroding areas in ROW from highway maintenance personnel over course of normal operations</i>	<i>ID areas contributing large volume of sediment to town waterbodies</i>	<i>Highways (Thomas Albert) Conservation (Tina Senft-Batoh)</i>	-	<i>Jul 1, 2020</i>	<i>Reason for addition: Reduce sedimentation of waterways near town ROWs</i>

6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

Conservation Dept will coordinate with City of Shelton on Cemetery Brook / Cranberry Pond coliform investigation.

Continue to assist Harbor Watch group and coordinate joint City of Bridgeport effort to clean Bruce Brook.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	<i>Yes / 4-20-17</i>
Street sweeping	
Curb miles swept	<i>500 est miles</i>
Volume (or mass) of material collected	<i>~300 tons</i>
Catch basin cleaning	
Total catch basins in priority areas	<i>#5500</i>
Total catch basins in MS4	<i>#5500</i>
Catch basins inspected	<i>#1505</i>
Catch basins cleaned	<i>#1505</i>
Volume (or mass) of material removed from all catch basins	<i>150 tons</i>
Volume removed from catch basins to impaired waters (if known)	<i>Not tracked separately</i>
Snow management	
Type(s) of deicing material used	<i>Straight salt</i>
Total amount of each deicing material applied	<i>2500 tons</i>
Type(s) of deicing equipment used	<i>spreaders</i>
Lane-miles treated	<i>400 miles per storm</i>
Snow disposal location	<i>N/A</i>
Staff training provided on application methods & equipment	<i>Yes: on the job training for new employees</i>
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	<i>Restricted fertilizer use to Town Hall and a few municipal sports complexes</i>
Reduction in turf area (since start of permit)	<i>0 acres</i>
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	<i>\$ N/A</i>

6.4 Catch basin cleaning program

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule. **[Complete this section for the 2017 Annual Report only]**

Visual inspection of catch basins is conducted during street sweeping. Obstructed basins are cleaned immediately upon inspection. The Highways Department will also clean basins that are identified as full by residents calling in to the Public Works Department

6.5 Retrofit program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project. **[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]**

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years. **[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]**

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years. **[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]**

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Laura R. Hoydick	Print name: John Casey
Signature / Date:	Signature / Date:

SWIMMING IN STORMWATER

Preventing Pollution of Watercourses in the Town of Stratford

Most of us do not think twice about what happens to rain once it hits the ground. Given the current drought conditions, rainfall is probably even further from your mind. So perhaps this is a good time for a quick lesson on stormwater management and what you can do as a responsible citizen to protect local waterways from pollution.

When rain falls, water that is not absorbed in to pervious ground surfaces becomes runoff. As runoff flows over roads, yards, parks, and homes, it picks up pollutants along the way. Pollutants include garbage, dirt from construction activities, pet wastes, oil, fertilizers and other chemicals. The polluted runoff is then captured by storm drains which direct the water to streams, rivers, and estuaries (i.e. Long Island Sound). The receiving waterbodies are adversely impacted by the polluted runoff; garbage ruins the aesthetic appeal of waterways, pet wastes contribute to high levels of bacteria, fertilizers cause blooms of aquatic weeds and algae that are unsightly and can be deleterious to the ecosystem. Moreover, impacted waterbodies are often used for boating, fishing, and swimming. Unless you are comfortable with the idea of swimming in polluted stormwater (YUCK!) it is a good idea to stop pollution of stormwater before it starts. Here are some tips on how you can help curb pollution of local waterways:

- Don't be a litterbug! Always throw garbage in a waste receptacle and recycle when appropriate.
- Properly dispose of oil and hazardous household wastes. Never dump these substances in a storm drain. The Town will be organizing another Household Hazardous Waste Collection in 2017.
- Pick up after pets.
- Reduce (or eliminate) the use of fertilizers on your lawn.
- Plant a tree on your property to absorb runoff.
- Install a rain garden on your property to capture and filter stormwater (see <http://www.sustainability.uconn.edu/> and <http://www.nemo.uconn.edu/> for more information).

As a basic rule, if you would not want to be swimming in something, do your best to keep it from running off in to waterways and stormwater infrastructure. Also, remember the animals that call our local waterways "home" are first to be impacted by polluted runoff. You can help protect our local populations of turtles, fishes, crabs, and birds by preventing pollution of stormwater.



Discount on Purchase of Shade Trees October 2017



Urban tree canopy provides countless benefits to a community. Among these benefits are shade, reduced temperatures during summer heat, improved water quality, stormwater storage, mitigating air pollution, providing habitat for wildlife, beautifying streetscapes, and enhanced property values. In an effort to restore tree canopy, 46 shade trees were planted around Stratford this past June. Trees were planted in esplanades, parks, and open spaces where they will not interfere with infrastructure (i.e. utility lines, curbs, sidewalks, etc.) as they mature.

To continue restoration of the Town's tree canopy, Stratford's Conservation Commission and Beautification Committee would like residents to consider purchasing and installing shade trees on their private property. Residential property offers the greatest amount of unrestricted planting space for maintaining shade trees. Setting trees back from streets, sidewalks, and utilities, and outside the town-owned right-of-ways gives planted trees the best chance for survival. To encourage planting of trees by Town residents, Ganim's Garden Center & Florist (320 Kings Hwy Cutoff, Fairfield, CT) is offering all residents of Stratford 25%-50% off their purchase of shade trees between October 1, 2017 and October 31, 2017. Recommended species which may be available include Dogwoods, various varieties of Flowering Cherries, Flowering Plums, Magnolias, Elm, Maples, Redbuds, Clump Birch, Oaks, Hawthorne, Lilac, and Beech. Bring your license or a recent bill as proof of Stratford residency. Please note that while the trees are discounted, there is no discount for planting services offered by Ganim's Garden Center & Florist.

Guidelines for planting the "Right Tree, Right Place" and helpful instructions for tree planting and maintenance can be found on the Conservation Commission website, <http://www.townofstratford.com/content/39832/39846/39927/40909/41026.aspx>. From the website, click on the tab labeled "Planting a Shade Tree." Please note, it will be important to purchase and plant a tree by the end of October. If you miss the opportunity, it will best to wait until the spring planting season.

As a reminder, trees purchased by Town residents are NOT to be planted in Town right-of-ways. Trees found planted in right-of-ways/planting strips may be removed. If you have any questions regarding setback of the Town right-of-way on your property, you may call the Town's Engineering Department at 203-385-4013. Furthermore, the Town will not be responsible for planting or maintenance of any trees purchased through this program.

Any questions regarding the residential tree planting program may be directed to the Conservation Administrator at chatoh@townofstratford.com.

FOR IMMEDIATE RELEASE

Contact:

Donna Caserta

Co-chair, Beautification Committee

203-377-3103



**TOWN-WIDE SCAVENGER HUNT TO BEGIN JULY 1 AS PART OF
STRATFORD STOP-LITTERING CAMPAIGN**

12 Signs Hidden Around Town Showcases High School Graphic Design Art & Messages

June 19, 2017: Stratford, CT – In an effort to curb litter and blight in Stratford, the town's Beautification Committee today announced that it is launching **#stratfordstoplittering**, an anti-littering scavenger hunt throughout the town, beginning July 1 and ending July 31 at 6:00 p.m. So that individuals know what to look for, images of the signs can be found on the Town of Stratford Beautification Committee's Facebook page [@StratfordCTBeautificationCommittee](https://www.facebook.com/StratfordCTBeautificationCommittee)

The object of the scavenger hunt is to be the first to find all the hidden lawn-style signs, take photos of each one, and then post them on Instagram, Facebook or Twitter using the hashtag, **#stratfordstoplittering**. Participants are asked not to move or remove the signs, and prizes for the first three correct entries will be awarded at the annual Beautification Committee Awards ceremony in September.

The Stratford Beautification Committee goal with this summer scavenger hunt is to get people thinking twice before littering. By engaging students with cool artwork and relevant messages, we hope to reach more individuals online and via social media to take part in this community effort.

The signs were created by students in a Stratford High School graphic design class under the direction of Sarah Mahoney-Voccola, with the guidelines to be used as Public Service Announcements (PSA). Signs had to be eye-catching, relevant and impactful with their message. Students researched various PSA ad campaigns for inspiration before starting on their own designs. This same class also contributed the logo and poster design for the "Stratford Light the Way" lighthouse art exhibit that is now on display along with many other Stratford High School related projects. Participating students include: Justin Gendron, Brooke Haschak, Caitlin Hoey, Tiffany Mendenhall, Emily Mucherino, Vanessa Rivera, Lucia Solis, and David Tran.

For more information about the campaign, visit the Stratford Beautification Committee webpage on Facebook [@StratfordCTBeautificationCommittee](https://www.facebook.com/StratfordCTBeautificationCommittee).

###

1

Mind your Butt.



Throw away your trash.

#stratfordstoplittering

2

Watch your Cans.



Throw away your trash.

#stratfordstoplittering

We Bag your Pardon.



Throw away your trash.

#stratfordstoplittering

4



Keep Stratford Clean

Use a Reuseable Water Bottle

#stratfordstoplittering

5



Keep Stratford Clean

Throw Your Trash Away

#stratfordstoplittering





7

KEEP STRATFORD CLEAN



STOP LITTERING

[#stratfordstoplittering](#)

BE A

**DO NOT
LITTER!**



offering more from forest to shore

#stratfordstoplittering

9

Don't make the Sound **MAD.**



Keep Stratford clean.



offering more from forest to shore

#stratfordstoplittering

10

#stratfordstoplittering

**The trash can is there for a reason.
STOP LITTERING!**



 **TOWN OF
STRATFORD**
offering more from forest to shore

11

Which Stratford do you see your kids in?



Keep Stratford clean.



#stratfordstoplittering

12

DON'T
FEED
THE
FISH



Stop littering in the Sound.
#stratfordstoplittering

NOTICE TO DEVELOPERS AND CONTRACTORS

As per stormwater permit regulations from the Connecticut Department of Energy and Environmental Protection (DEEP), the Town of Stratford gives notice to developers, contractors, and others involved in construction activities to comply with the various requirements associated with the provisions of the stormwater discharge general permit, commonly known as the MS4 permit. The *new MS4 Stormwater General Permit* took effect July 1, 2017. Developers and Contractors are advised to educate themselves on the new permit requirements. The Town's Stormwater Management Plan prepared in compliance with the Town's 2017 permit can be found at <http://www.townofstratford.com/stormwater>.

Please take note of the following:

A.) As of March 10, 2003 in order to discharge stormwater from a construction site, all construction projects that disturb 1 acre or more of land must have either:

- an individual stormwater permit from the DEEP, or
- coverage under one of Connecticut's general permits.

Disturbance includes, but is not limited to soil disturbance, clearing, grading, and excavation. Operators of sites disturbing less than one acre are also required to obtain a permit if their activity is part of a "larger common plan of development or sale" with a planned disturbance of one acre or greater. In addition, a development of any size is still required to meet the Town's Directly Connected Impervious Area (DCIA) reduction requirements.

A DEEP individual stormwater permit application form can be obtained from <http://www.dep.state.ct.us>. For site disturbances between 1-5 acres, the Town's acceptance of an erosion and sedimentation control plan, a plan submitted with an Inland Wetland permit, or other thoroughly reviewed plan, each designed in accordance with the 2004 CT Stormwater Manual, will negate the need for an individual state permit. The applicant, however, is still required to conform with the requirements of the Town's general permit.

B.) Discharges of stormwater from a property may be required to flow through a system designed to retain 1" (one inch) of rainfall.

C.) Construction must conform to the regulations recommended or developed as part of the Town's Stormwater Management Plan or other Town regulations regarding construction and stormwater discharge as may be amended from time to time. These regulations include but are not limited to the following:

- Soil and Erosion Control regulations: contact Zoning Office at 385-4017
- Inland Wetland regulations: contact I-W Office at 385-4006
- and other stormwater related ordinances as they may be amended.

OTHER REQUIREMENTS

Stormwater discharges shall not contain visible floating scum, oil, or other matter (except for naturally occurring substances such as leaves and twigs, provided that no person has placed such substances in or near the discharge).

Stormwater discharge shall not result in pollution due to acute or chronic toxicity to aquatic and marine life, impair the biological integrity of aquatic or marine ecosystems, or result in an unacceptable risk to human health.

TOWN OF STRATFORD

Notice of Publication and Public Comment Period on the Town's Stormwater Management Plan

The Town of Stratford's Stormwater Management Plan (SWMP) has been updated in order to comply with the CT DEEP "General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems" effective July 1, 2017. The SWMP is available in hard copy at Stratford Public Library, or may be accessed at <http://www.townofstratford.com/stormwater>. Public comments on the SWMP will be accepted until June 30, 2017 and should be directed to CT DEEP at DEEP.StormwaterStaff@ct.gov or by US Mail directed to "DEEP, Water Permitting and Enforcement Division, 79 Elm Street Hartford, CT 06106, Attn: Karen Allen."

To appear once in the CT Post on Friday, April 7, 2017.



- [🏠](#) **TOWN HALL**
- BUSINESS**
- COMMUNITY**
- EDUCATION**
- CALENDARS**
- PARKS**
- NEW RESIDENTS**



TOWN HALL

- Town Departments & Services**
- Boards & Commissions**
- Agendas & Minutes**
- Office of the Mayor**
- Town Council**
- Elected Officials**
- Town Charter, Code & Ordinance**

[Town Hall](#) » [Town Departments & Services](#) » [Public Works](#) » [Conservation](#) » [Stormwater Management](#) » Town of Stratford Stormwater Management Plan July 2017

Stormwater Management Plan

The Stormwater management plan is developed to protect water quality from stormwater discharges. Public Comment on the Town of Stratford Stormwater Management Plan is welcomed and encouraged. All public comments should be sent to the CT DEEP Commissioner as follows:

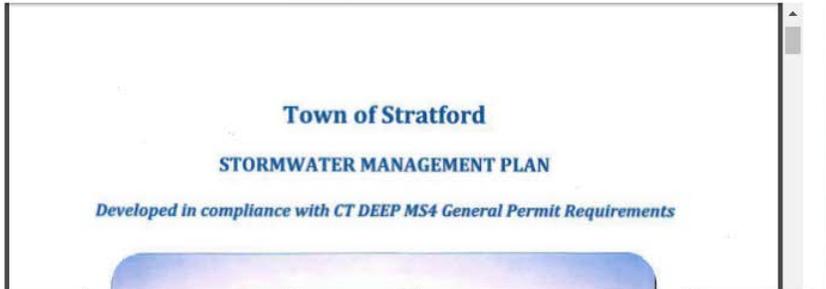
➤ By Email:

DEEP.StormwaterStaff@ct.gov OR

➤ By US Mail:

DEEP
Water Permitting and Enforcement Division
79 Elm Street Hartford, CT 06106
Attn: Karen Allen

[Stormwater Management Plan](#)



CONSERVATION CORNER

Upcoming Opportunities to Help Stratford Go Green



On April 22, 2017, we will celebrate Earth Day. There are various upcoming opportunities for Stratford residents to honor the day by helping to restore and protect our natural resources.

- 1) HELP RESTORE THE ERODING SHORELINE OF STRATFORD POINT:** On April 21 and 22, 2017 from 11am-6pm, join Professor Jennifer Mattei of Sacred Heart University in planting 30,000 plants on the shoreline of Stratford Point (former Lordship Gun Club) as part of an ongoing coastal resiliency project. To register as a volunteer, email Jo-Marie Kasinak at kasinakj@sacredheart.com. If you are unable to attend, but would still like to support the project, you can make a donation at the following website <https://weareshu.sacredheart.edu/project/3963/donate>. Contributions may be directed to purchase of saltmarsh grass, upland wildflowers, trees, shrubs, or even lunch for some hardworking volunteers.
- 2) HOUSATONIC RIVER CLEANUP AND GREENSWEEP:** This annual event will take place on May 6, 2017 from 8am to 2pm. Kickoff and registration will take place at Birdseye Boat Ramp. Bring your work gloves! Bags will be provided to you to clean up litter along Stratford's waterfront, beaches, parks, and open spaces. Stay for an hour or stay all day to help beautify the Town. Are you a student? Use this as a chance to earn some volunteer credits! Light breakfast and lunch will be provided to volunteers. Register for the event by emailing HRCUteam@gmail.com or calling 203-988-0883.
- 3) COMMENT ON THE TOWN'S STORMWATER MANAGEMENT PLAN:** The Town has developed a Stormwater Management Plan (SWMP) to address stormwater runoff water quality in order to comply with the CT DEEP "General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems" effective July 1, 2017. The SWMP is available in hard copy at Stratford Public Library, or may be accessed at <http://www.townofstratford.com/stormwater>. Public comments on the SWMP will be accepted until June 30, 2017 and should be directed to CT DEEP at DEEP.StormwaterStaff@ct.gov or by US Mail directed to "DEEP, Water Permitting and Enforcement Division, 79 Elm Street Hartford, CT 06106, Attn: Karen Allen." Your comments and suggestions can help shape the way Stratford addresses water quality concerns.

Can't find the time to participate in any of these opportunities? Well then keep it simple. On Earth Day (and every day), shut off your lights when you leave the room. Walk or bike to your destination. Throw those bottles in the recycling instead of the trash. Plant a garden or a tree. Thanks for making a difference!

Any questions, feel free to contact the Town of Stratford's Conservation Administrator at cbatoh@townofstratford.com.



Memorandum

To: Maurice McCarthy, Director of Public Works
From: John Casey, Town Engineer
Department: Engineering
Address: 2725 Main Street Stratford, CT
Date: October 31, 2011, revised 2017
RE: Stormwater maintenance

The following is a list of locations where Town owned stormwater quality chambers and or detention basins which are installed upstream of the discharge of storm sewers. These facilities require regular maintenance for grit and/or oil (inspection, cleaning, material disposal). With the recent personnel turnover and re-organization, I wanted to make sure you are aware of these facilities:

Stormwater treatment or control structures

Public Works Yard- One located on the north side of the Parks Garage Building. (Oil-Grit separators at old Highway/lower Admin Bldg and at new truck wash facility discharge to sanitary).

Transfer Station- One is located about 30' east of the hopper building and discharges to the storm sewer. (Another is located east side of the hopper building, at the lower level, taking water from the trench drain and discharges to the sanitary sewer).

Kruger Lane- Underground storage pipe in easement toward Chapel Street.

Reed Street- Underground storage pipe in planting strip from Lindas Run west.

Perry Lane- Grit removal chamber at double CB at end of cul-de-sac.

Grey Fox Road- Underground stormwater storage vault below road.

Huntington Road- Two located on the east side of the road. One is in an easement on the Francini property #3330 Huntington Rd and the other is located south of Beaver Dam Rd prior to discharge to the un-named stream.

Frances Place- (off Judson)- 2 storm chambers on either side of Underground Storage pipes on south side of road.

Highview Dr- Where road was extended to cul-de-sac, grit chamber upstream of detention pipe.

Feeley St- storm galleries installed at new CB's.

Clinton Ave extension- storm galleries installed under road at new turnaround.

Victoria Soto School- storm galleries installed in parking lot between Soto and Johnson Schools.

Second Hill La School- storm galleries installed in parking lot behind new rear driveway loop.

Horace St- storm galleries installed in planting strip near Wilcoxson Ave.

Franklin Sch- galleries installed behind sidewalk at discharge to CB on Barnum near Soundview.

West Ave- Storm quality unit will be installed west side in easement, behind McDonalds.

Stratford High- storm galleries will be installed in parking lot on both east and west side of King St

Detention Basins

Longview Dr- Public easement on private property for drainage- regular maintenance by the property owner.

Perry Lane- Public easement on private property for drainage- regular maintenance by the property owners.

Grace Lane- Public easement on private property for drainage- regular maintenance by the property owner.

James Farm Road- At Leo's Lane- Town owned wetland basin.

Longbrook Park Brewster Pond Bio Basin

Weaver Dr- Detention basin on east side of driveway realignment and downhill of re-graded Pirhala Farm parcel.

Ward St- Detention basin on property at new extension

FOR IMMEDIATE RELEASE

Contact: Christina Senft-Batoh, 203.385.4080

Stratford to Hold Household Hazardous Waste Collection Day

Stratford, Conn. - Mayor John A. Harkins today announced that the Town's "Household Hazardous Waste Collection Day" will be held on Saturday November 4, 2017 from 8am to 1 pm at Stratford's Public Works Yard - 550 Patterson Avenue.

Stratford's "Household Hazardous Waste Collection Day" is free of charge to Stratford residents. A valid Stratford driver's license or proof of Stratford residency must be presented at the entrance prior to off-loading materials.

"Stratford is one of a limited number of communities in Connecticut to offer this service," said Mayor John A. Harkins. "It is critical that our residents have a safe and easy way to dispose of their household hazardous waste."

According to Conservation Administrator Christina Senft-Batoh, many chemicals commonly used in homes or workshops can be very dangerous if disposed of improperly. If certain materials are poured down the drain or placed in the trash, reactions may occur releasing dangerous fumes that can corrode plumbing and even cause an explosion.

Stratford residents will be able to safely dispose of hazardous products including old pesticides, cleaning products, weed killers, old gasoline, antifreeze, oil base/lead paint, etc. Many products can be identified as hazardous by reading the label precautions. Look for the words: ***Poison, Toxic, Corrosive, Volatile, Flammable, Caution, Danger or Warning.***

Outdated gas grill propane tanks will also be collected.

WATER-BASED LATEX paint will not be accepted. Latex paint is not hazardous and DRIED paint containers can be put into weekly garbage collection.

In addition to water-based latex paint, the following items will NOT be accepted:

- Commercial or Industrial Wastes
- Infectious or Biological Wastes
- Radioactive Waste, Smoke Detectors
- Prescription Medicines/Syringes
- E-Waste (Computers, fluorescent Light bulbs)
- Explosive Items (Gun powder, ammunition)

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