

Annual Stormwater Report Town of Wilton, CT

February 15, 2019

The enclosed 2018 Annual Stormwater Report for the Town of Wilton dated April 2019 was completed in accordance with Connecticut's *General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)*. This is considered a draft plan by CT DEEP, and has been published for 30 days to allow public review and comment. A hard copy of the plan is also available for review at the DPW office in the Town Hall (Annex). See below for where comments can be sent:

Public comments on this Annual report should be sent to the Wilton DPW.

By Email: StormWater@wiltonct.org

OR

US Mail:

Wilton DPW
Town Hall Annex
238 Danbury Road
Wilton Ct 06897



DRAFT
2018 ANNUAL STORMWATER REPORT

Town of Wilton
Connecticut

April 2019

WILTON PUBLIC WORKS DEPARTMENT
TOWN HALL ANNEX
238 Danbury Road
Wilton, Connecticut 06897

MS4 General Permit
DRAFT - Town of Wilton 2018 Annual Report
Existing MS4 Permittee
Permit Number GSM 000040
[January 1, 2018 – December 31, 2018]

This report documents the Town of Wilton's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2018 to December 31, 2018.

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 Continue public education and outreach	On-going	See Below	See Below	Town Depts, Commissions, & Partners	On-going	On-going	
1-2 Address education/ outreach for pollutants of concern	Completed	Issued Spring and Fall 2018 Newsletters	Biannual Newsletters	Conservation Commission / Environmental Affairs	Annually	12/31/2018	Mailed to every residential household in Wilton, and posted on website.
1-3 Address education/ outreach for pollutants of concern	On-going	Publish & maintain informative articles and links on website	Public Education	Conservation Commission / Environmental Affairs	Annually	12/31/2018	
1-4 Address education/ outreach for pollutants of concern	Completed	Issued Spring and Fall 2018 Newsletters	Biannual Newsletters	Norwalk River Watershed Association (NRWA)	Annually	12/31/2018	Distributed via mail, FaceBook, Instagram, and posted on website.
1-5 Address education/ outreach for pollutants of concern	On-going	Publish & maintain informative articles and links on website	Public Education	NRWA	Annually	12/31/2018	Information also distributed via FaceBook & Instagram.

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

All of the above activities are planned for 2019.

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>Bi-annual Newsletters</i>	<i>Residential Households (approx. 7,000 families)</i>	<i>Norwalk River and Kent Pond restoration & protection, Public Events</i>	<i>Hazardous & Medical Waste, etc.</i>	<i>Conservation Commission / Environmental Affairs</i>
<i>Website Articles and Links</i>	<i>Town of Wilton residents and website viewers (>7,000)</i>	<i>Impact of pesticides, herbicides, insecticides, improper leaf disposal, medical waste</i>	<i>Solids, Pesticides, Herbicides, Insecticides, Organics</i>	<i>Conservation Commission / Environmental Affairs</i>
<i>Bi-annual Newsletters</i>	<i>NRWA Members, Facebook & Instagram followers, and website viewers (>1,000). In addition, 475 are mailed.</i>	<i>Pest-management, pesticides, fracking waste disposal, stormwater runoff pollution, smart development</i>	<i>Many</i>	<i>NRWA</i>
<i>Website Articles and Links</i>	<i>NRWA Members and website viewers</i>	<i>Impact of pesticides, herbicides, insecticides, improper leaf disposal, medical waste</i>	<i>Many</i>	<i>NRWA</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	Completed	Posted Public Notice & Stormwater Management Plan on Town Website	<u>Comply with permit requirements</u>	DPW	4/3/18	4/3/18	
2-1 Comply with public notice requirements for Annual Reports	Completed (Year 2)	Posted Public Notice and 2018 Annual Report on Town Website, Draft in DPW Office	<u>Years 2 – 5</u> 30-day Public Notice for Annual Reports	DPW	2/15/19	3/9/18	
2-2 Sponsor Town-wide and Norwalk River Clean-up	Completed	Held Town-wide and Norwalk River Clean-up	Annual Cleanup	Conservation Commission/ Environmental Affairs, Trout Unlimited – Mianus Chapter	Annually	4/28/18	Collected 3,200 lbs of litter townwide. 200 Volunteers
2-3 Sponsor Household Hazardous Waste Day	Completed	Held Household Hazardous Waste Day	Annual Collection Day	DPW	Annually	10/13/18	Also includes other participating communities
2-4 Sponsor Unused Medicine Drive & Manage On-going Collections	Completed	Held Unused Medicine Drive, Maintain Drop-off Box at Police Station	Annual Collection	Wilton Police Dept.	Annually	1/1/18 - 12/31/17 (On-going Collection/ Disposal)	
2-5 Sponsor Trees for Trout Collection Days (Christmas Tree Ecocycling)	Completed	Collected Christmas Trees from Residents (for stream bank stabilization projects)	Annual Collection Days	Trout Unlimited – Mianus Chapter	Annually	1/13/18	Town provided areas for collection & temporary stockpiling at Merwin Meadows Park
2-6 Sponsor Wilton Library	Completed	Held Educational Event regarding Vernal Pools in Wilton Center	Event	NRWS	3/20/18	3/20/18	Held in Wilton Center, & a vernal pool walk occurred during the class.

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

BMPs 2-1 through 2-6 are planned for 2019.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
<i>Availability of the Stormwater Management Plan announced to public</i>	Y	4/3/19	http://www.wiltonct.org/
<i>Availability of Annual Report announced to public</i>	Y	2/15/19	http://www.wiltonct.org/departments/publicworks/stormwater.html
<i>Town-wide and Norwalk River Clean-up – Over 200 participants, over 3200 lbs of waste material collected. Involved at least 9 other groups, including Boy Scouts, Girl Scouts, Wilton High School Class of 2018, Kiwanis Club, Democratic and Republican Town Committees, A Better Chance of Wilton, the Wilton Family YMCA, and Trout Unlimited-Mianus Chapter.</i>	Y	5/1/18	Good Morning Wilton

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
<i>3-1 Develop written IDDE program</i>	<i>In progress</i>	<i>Reviewing the CT IDDE program template for applicability</i>	<i>Develop written IDDE program</i>	<i>DPW</i>	<i>Jul 1, 2019</i>	<i>In progress</i>	

3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In progress	Preliminary desktop review and GIS mapping	Map Priority MS4 Outfalls	DPW	Jul 1, 2019	On-going	The new Town Engineer is creating a GIS Collector application to locate outfalls.
3-3 Implement citizen reporting program	Completed	Town initiated SeeClickFix – illicit discharge complaint process included	Citizen Reporting Process	First Selectwoman, DPW / IT	Jul 1, 2017	9/29/17	Tracking is on-going
3-4 Establish legal authority to prohibit illicit discharges	In progress	Reviewing the IDDE legal authority requirements and ordinance template for applicability	Confirm adequacy of existing regulations or develop IDDE ordinance	DPW/P&Z/Town Counsel	Jul 1, 2018	In-progress	
3-5 Develop record keeping system for IDDE tracking	On-going	Health Dept presently files this information	IDDE Tracking System	Health Dept, DPW	Jul 1, 2017	On-going	Tracking system to be revised, if needed
3-6 Address IDDE in areas with pollutants of concern	On-going	See Section 3.5	Investigate & resolve illicit discharge complaints	Health Dept, DPW	Not Specified	On-going	Existing systems are in place for investigating and resolving illicit discharges

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

The written program will be posted to the Dept of Public Works webpage when available and a link listed in Annual Reports.

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

Date of Report	Location / suspected source	Response taken
No reported discharges via SeeClickFix		

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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)
No reported discharges via SeeClickFix						

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

Incidents are typically reported to the Wilton Health Department through resident call-ins, Town staff reports, and notifications from the watershed inspector. Residents can also report illicit discharges via the SeeClickFix tool on the Town website. Incidents are investigated in the field by Health Department staff, and property owners are notified as needed. Most incidents are resolved through on-site repairs. In some cases, sampling and further investigation is conducted. The Health Department files this information.

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
Skunk Lane – single family property	Property owner contacted, system repaired/replaced	
Wilridge Rd – single family property	Property owner contacted, system repaired/replaced	
Roxbury Lane – single family property	Property owner contacted, system repaired/replaced	
Rivergate Drive – single family property	Property owner contacted, system repaired/replaced	
Exeter Lane – single family property	Property owner contacted, system repaired/replaced	

3.7 IDDE reporting metrics

Metrics	
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Estimated or actual number of MS4 outfalls	<i>TBD</i>
Estimated or actual number of interconnections	<i>TBD</i>
Outfall mapping complete	<i><5%</i>
Interconnection mapping complete	<i>0%</i>
System-wide mapping complete (detailed MS4 infrastructure)	<i><5%</i>
Outfall assessment and priority ranking	<i>TBD</i>
Dry weather screening of all High and Low priority outfalls complete	<i>TBD</i>
Catchment investigations complete	<i>TBD</i>
Estimated percentage of MS4 catchment area investigated	<i>TBD</i>

PLEASE NOTE: NEW TOWN ENGINEER BEGAN 1/30/19. IS LOOKING TO IMPLEMENT ARC COLLECTOR APPLICATION TO CAPTURE STORM INFRASTRUCTURE.

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).

TBD. Note that informal training on illicit discharges is provided on an on-going basis for field crews. Town Sanitarians attend training courses every two years.

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
<i>4-1 Implement, upgrade, and enforce land use regulations to meet requirements of MS4 general permit</i>	<i>On-going</i>	<i>Enforcement of existing land use regulations</i>	<i>Upgrade land use regulations</i>	<i>P&Z, DPW</i>	<i>Jul 1, 2019</i>	<i>On-going</i>	

4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	On-going	Interdepartmental coordination on site plan reviews & approvals	Land Use Department Coordination	All Land Use Depts	Jul 1, 2017	On-going	
4-3 Review site plans for stormwater quality concerns	On-going	Site Plan Reviews	Stormwater quality reviews	P&Z, Environmental Affairs	Jul 1, 2017	On-going	
4-4 Conduct site inspections	On-going	Site Inspections	Inspections	P&Z, Environmental Affairs, DPW	Jul 1, 2017	On-going	
4-5 Implement procedure to allow public comment on site development	On-going	Public Meetings and Hearings	Public Comment	P&Z, Environmental Affairs, Land Use Commissions	Jul 1, 2017	On-going	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Pending	As part of plan review process – any potential DEEP permit shall be included in the plan review letter.	SW Permits for relevant projects	P&Z, Environmental Affairs	Jul 1, 2017	On-going	

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

1. Continue to enforce existing regulations. 2. Continue to utilize the SeeClickFix system to track citizen reports 3. Map storm system into GIS layers 4. Identify interconnected MS4's 5. Continue notification to applicants of their potential obligation to register for the 6. Continue to integrate stormwater compliance requirements into review process for the Connecticut General Permit.

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
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development	On-going	Evaluate existing ordinances. Enforcement of existing land use	As stated	P&Z, Environmental Affairs, Engineering	Jul 1, 2022	7/1/22	

<i>planning</i>		<i>regulations</i>		<i>Department</i>			
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	On-going	Enforcement of existing land use regulations	Enforce LID & stormwater reduction regs	P&Z, Environmental Affairs, Engineering Dept.	Jul 1, 2022	On-going	
5-3 Identify retention and detention ponds in priority areas	In Progress	The town will identify known private and public detention ponds	Log Town SW Measures	DPW	Jul 1, 2022	Projected 2022	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	In Progress	Planning & Zoning regulation require owners to maintain their detention systems	O&M Plan for Town SW measures	DPW, Other Land Use Depts	Jul 1, 2022	Projected 2022	
5-5 DCIA mapping	In Progress	The Town will utilize the state's DCIA mapping.	Map DCIA	DPW	Jul 1, 2020	Projected 2020	
5-6 Address post-construction issues in areas with pollutants of concern	In Progress	Identify Erosion & sediment problems. Develop short and long term solutions.	As stated	DPW, Other Land Use Depts	Not specified	On-going	
5-7 Turf reductions	On-going	The town's wetlands regulations required applicants to preserve as much as the natural buffer as possible	As stated	DPW, Other Land Use Depts	Jul 1, 2018	Ongoing	
5-8 Require consistency with the 2004 Connecticut Stormwater Quality Manual	On-going	Through the P&Z process, drainage requirements are indicated	As stated	DPW, Other Land Use Depts	Jul 1, 2018	On-going	
5-9 Coordination with Local Health Department	On-going	The local Health Department is included on application reviews as warranted	Continue activity.	DPW, Other Land Use Depts	Jul 1, 2018	On-going	

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

1. Identify Public and Private retention/detention ponds in priority areas
2. Calculate DCIA for outfalls.
3. Address post-construction sediment and erosion control issues as they occur.
4. Continue to encourage preservation and enhancement of natural buffers.
5. Continue to require consistency with the 2004 Stormwater Quality Manual.

6. Continue to coordinate application reviews with the local Health Department.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	<i>Acres (TBD)</i>
DCIA disconnected (redevelopment plus retrofits)	<i>acres this year / acres total (TBD)</i>
Retrofits completed	<i># (TBD)</i>
DCIA disconnected	<i>% this year / % total since 2012 (TBD)</i>
Estimated cost of retrofits	<i>\$ (TBD)</i>
Detention or retention ponds identified	<i># this year /# total (TBD)</i>

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

The Town will utilize the CTDEEP impervious coverage layer.

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	In Progress	Retained Consultant, prepared SWPPPs	Training	DPW	Jul 1, 2017	On-going	
6-2 Implement MS4 property and operations maintenance	In Progress	On-going O & M	O & M	DPW, Parks & Rec, Board of Education	Jul 1, 2018	On-going	
6-3 Implement coordination with interconnected MS4s	Not Started		Coordinate with DOT & Adjacent Municipalities	DPW	Not specified		
6-4 Develop/implement program to control other sources of pollutants to the MS4	In Progress	Develop a list of facilities in Town not required to register under the Industrial Stormwater Permit, and review screening and monitoring results as they become available.	Coordinate with DOT & Adjacent Municipalities, and review registrant list	DPW	Not specified	On-going	
6-5 Evaluate additional measures for discharges to impaired waters*	On-going	Town evaluates drainage system on paving priority roads	Evaluation of measures	DPW	Not specified	On-going	
6-6 Track projects that disconnect DCIA	On-going	The town will begin to track the DCIA coverage.	Track Projects	DPW, P&Z	Jul 1, 2017	On-going	
6-7 Implement infrastructure repair/rehab program	On-going	Repair & rehab as needed	Infrastructure Maintenance	DPW, Parks & Rec, Board of Education	Jul 1, 2021	On-going	
6-8 Develop/implement plan to identify/prioritize retrofit projects	On-going	Repair and Rehab as needed	Infrastructure Maintenance	DPW, Parks & Rec, Board of Education	Jul 1, 2020	On-going	
6-9 Implement retrofit projects to disconnect 2% of DCIA	Not Started	The Town has not identified any opportunities for DCIA disconnections.	Disconnect 2% of the Town's DCIA	Town Engineer	Jul 1, 2022	On-going	

		<i>The Town will continue to look for opportunities on its facilities and with developers.</i>					
<i>6-10 Develop/implement street sweeping program</i>	<i>On-going</i>	<i>The Town sweeps all its streets on an as-needed basis. The town has indicated that the reduction in sand use, sweeping is needed less frequently.</i>	<i>Street Sweeping</i>	<i>DPW</i>	<i>Jul 1, 2017</i>	<i>On-going</i>	
<i>6-11 Develop/implement catch basin cleaning program</i>	<i>On-going</i>	<i>Various catch basins are inspected yearly. Cleaned as needed.</i>	<i>Catchbasin Cleaning</i>	<i>DPW</i>	<i>Jul 1, 2020</i>	<i>On-going</i>	
<i>6-12 Develop/implement snow management practices</i>	<i>On-going</i>	<i>Snow Management policies are in place and are in the process of being updated.</i>	<i>Snow Management</i>	<i>DPW, Parks & Rec, Board of Ed</i>	<i>Jul 1, 2018</i>	<i>On-going</i>	<i>The Town minimizes the use of sand on its roadways.</i>

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

<ol style="list-style-type: none"> 1. Continue employee training programs 2. Continue to institute requirements of the Industrial general Permit SWPPP. 3. Identify interconnected MS4s. 4. Identify potential contributors from General Permit non-registrants. 5. Continue existing infrastructure repair policies. 6. Track DCIA disconnection. 7. Perform infrastructure repairs as needed and as funding is available.
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6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	9/27/17
Street sweeping	
Curb miles swept	20.84 miles

Volume (or mass) of material collected	<i>Un determined</i>
Catch basin cleaning	
Total catch basins in priority areas	<i>TBD</i>
Total catch basins in MS4	<i>3,121 +/-</i>
Catch basins inspected	<i>265+/-</i>
Catch basins cleaned	<i>265 +/-</i>
Volume (or mass) of material removed from all catch basins	<i>>100 cy</i>
Volume removed from catch basins to impaired waters (if known)	<i>TBD</i>
Snow management	
Type(s) of deicing material used	<i>NaCl</i>
Total amount of each deicing material applied	<i>2,500 tons +/-</i>
Type(s) of deicing equipment used	<i>Truck-mounted Spreaders</i>
Lane-miles treated	<i>254.5 miles</i>
Snow disposal location	<i>Town Right-of-Way</i>
Staff training provided on application methods & equipment	<i>DPW personnel attended training on 11/30/17 & 12/6/17. New hires attended training in Fall of 2018</i>
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	

6.4 Catch basin cleaning

program

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule.

Catchbasins are cleaned based on numerous factors. 1) Residents can inform the town through SeeClick Fix program. 2) Highway supervisors observe catch basins in the high priority areas and all other areas. 3) Catch basin are clean and repaired as part of road prep before paving. The Town has over 3,100 catchbasins and one 1994 jet-vac truck. The Town is in the process of implementing a Collector Application to track catch basin cleaning, dates cleaned, etc. .

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.

Projects are identified on an as-needed basis, and implemented based upon perceived benefit or potential impact to water quality.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.

The retrofit program will continue to proceed on an as-needed basis, as funding is made available. The Town is evaluating its properties to identify potential disconnection opportunities, and looks for disconnection opportunities in site plan applications.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.

The Town will continue with its existing process for implementing its own projects, and also for reviewing Town projects and site application as they come in for review to help achieve the DCIA reduction goals.

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: Lynne Vanderslice (First Selectwoman)	Print name: Frank Smeriglio, P.E. (Town Engineer)
Signature / Date:	Signature / Date: