

MS4 General Permit
 Town of Wolcott 2021 Annual Report
 Existing MS4 Permittee
 Permit Number GSM -000033
 [January 1, 2021 – December 31, 2021]

This report documents the Town of efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2020 to December 31, 2020.

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 and outreach	On Going	Maintain SWM Information on Town's Website	Update Website	Mayor's Office/ Amy Desaulniers	Jul 1, 2018	Held Public Meeting on SWM on June 29, 2017	
1-2 Address education/ outreach for pollutants of concern*	<i>On Going</i>	<i>Maintain Brochures on SWM Practices on Town Website and at Town Hall and Library</i>	<i>Maintain and Distribute Brochures</i>	<i>Inland Wetlands Office/Dede Distiso</i>	Jul 1, 2018		

1.3 Outreach to Business	<i>In Progress</i>	<i>Meeting with Economic clar</i>	Determine how to effectively Interact with ?	<i>Engineering Dept/ Mark Possidento</i>	11/20	Placed SWM Reduction Information on website 6/19	
1-4 Workshop for Construction Industry	<i>In Progress</i>	<i>Developing workshop materials/videos</i>	Workshop conducted for construction industry	<i>Planning and Zoning Office/ David Kalinowski</i>	6/19		
1.5 Education Town Commissions	<i>In Progress</i>	<i>Attend Commission Meetings and describe programs</i>	Commissions Visited	<i>Engr Office/ Mark Possidento</i>	6/20	<i>Expect to complete presentation to all commissions in 2019</i>	<i>Need to complete meetings with Commission</i>

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

Will pursue involvement of High School students in SWM.

10/20 met with Board of Ed member. Proposing to initiate stormwater project with High School. Contacted DEEP who will provide assistance.

High School students to construct and insall rain garden in parking lot of High 'school summer 2022

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>Public Meeting on SWM (January 29, 2017)</i>	30	<i>Present SWM for Wolcott, CT</i>	<i>overall</i>	<i>Engr. Office/Inlands</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	On going	SWM Public Notice	Completed plan/notice	Engr./Mark Possidento	Apr 3, 2017	4/17	Held Public Hearing on June 26 ,2017
2-2 Comply with public notice requirements for Annual Reports	<i>On going</i>	<i>Annual SWM notice</i>	<i>Complete notice</i>	<i>Engr./Mark Possidento</i>	Feb 15, 2019	2/2019	
Establish SWM Committee	<i>completed</i>	<i>Established committee/Held meeting</i>	<i>Establish committee</i>	<i>Engr./Mark Possidento</i>	6/17	6/17	

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

Held stormwater committee meeting in fall 2020.
 Held Stormwater Committe in fall 2021. Members include: Mark Garragus, Inlands Wetlands Commissioner, Bill Tynan, IW, Tony Guggliotti, IW, Maurice MCarthy, Public Works Director. Proposed to install rain gardens in parking lots of Farmingbury Golf course and parking lot for Scovill Reservoir Park

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	(y)	6/20	(Town Hall/Library Wolcottct.org)
Availability of Annual Report announced to public	(y)	2/15/20	(Town Hall/Library Wolcottct.org)

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

3.1 BMP Summary

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

Will continue to map outfalls, Developed procedure to put outfalls on Town GIS System.

All catch Basins and outfalls on Town G/S System.

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

Date of Report	Location / suspected source	Response taken
None (2020)		
None (2021)		

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)
None reported or recorded	2020					
None reported or recorded	2021					

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

Illegal discharges has been reported in the past, which have been recorded.

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>Reviewing last 6 years of Septic Failures from Chesprocott Health District to determine areas of concerns</i>		
Reviewed Chesprocott Information	No pattern of failures in minority areas	

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	2721
Estimated or actual number of interconnections	None found yet
Outfall mapping complete	(100%)
Interconnection mapping complete	(20%)
System-wide mapping complete (detailed MS4 infrastructure)	(80%)
Outfall assessment and priority ranking	(80%)
Dry weather screening of all High and Low priority outfalls complete	100%
Catchment investigations complete	2721
Estimated percentage of MS4 catchment area investigated	75%

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).

Educational Movie to Water and Sewer Staff.

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	In Progress	Reviewing existing regulation	Implement	Engr Office/Mark Possidento	Jul 1, 2019	Will complete by due date	Completed 6/19
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	<i>ongoing</i>	<i>Town already had coordinated program for interdepartmental</i>	<i>Continue interdepartmental review</i>	Engr Office/Mark Possidento	Jul 1, 2017	<i>complete</i>	
4-3 Review site plans for stormwater quality concerns	<i>ongoing</i>	<i>review</i>	<i>Continue interdepartmental review</i>	Engr Office/Mark Possidento	Jul 1, 2017	<i>complete</i>	
4-4 Conduct site inspections	<i>on going</i>	<i>review</i>	<i>Continue interdepartmental review</i>	Engr Office/Mark Possidento	Jul 1, 2017	<i>complete</i>	
4-5 Implement procedure to allow public comment on site development	<i>on going</i>	<i>Subdivision regs required public notice</i>	<i>Continue present procedure</i>	<i>Planning & Zoning/David Kalinowski</i>	Jul 1, 2017	<i>complete</i>	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	<i>On going</i>	<i>Subdivision regs require compliance with State Stormwater guidance</i>	<i>Continue present procedure</i>	<i>Planning & Zoning/David Kalinowski</i>	Jul 1, 2017	<i>complete</i>	

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

Will develop a list of contractors who work in Wolcott-Send Letter and brochure Re: SWM. *Have not 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
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	<i>started</i>	<i>Have developed LID guidelines</i>	<i>Revised Planning and Zoning regs to incorporate LID</i>	<i>Eng/Mark Possidento</i>	<i>Jul/ 2021</i>		
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	<i>n/a</i>				<i>Jul 1, 2019</i>		
5-3 Identify retention and detention ponds in priority areas	<i>In progress</i>	<i>Identify and mapped 12 ponds</i>		<i>Engr. Office</i>	<i>Jul 1, 2019</i>	<i>9/19</i>	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	<i>In progress</i>	<i>Trying to determine responsible authorities for maintenance of retention ponds</i>			<i>Jul 2021</i>	<i>Engr. Office</i>	

5-5 DCIA mapping	<i>started</i>	<i>Mapped all watersheds with greater than 1% impervious</i>			Jul 1, 2020		
5-6 Address post-construction issues in areas with pollutants of concern	<i>Not started</i>				Not specified		

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

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	Acres (3985)
DCIA disconnected (redevelopment plus retrofits)	acres this year / acres total (?)
Retrofits completed	#(?)
DCIA disconnected	% this year / % total since 2012 (?)
Estimated cost of retrofits	\$(?)
Detention or retention ponds identified	12/12

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	on going	Employees are trained on regular basis	Continue training	Public Works /David Kalinowski	Jul 1, 2017	Training held for Public works staff 12/19	
6-2 Implement MS4 property and operations maintenance	In progress	Developing O&M procedures	O&M		Jul 1, 2018		
6-3 Implement coordination with interconnected MS4s	Not started				Not specified		
6-4 Develop/implement program to control other sources of pollutants to the MS4	<i>Not started</i>				Not specified		
6-5 Evaluate additional measures for discharges to impaired waters*	<i>In progress</i>	<i>Inspect all catch basins for cross connections</i>		<i>Engr/Mark Possidento</i>	<i>July/2021</i>		
6-6 Track projects that disconnect DCIA	<i>Not started</i>				Jul 1, 2017		

6-7 Implement infrastructure repair/rehab program	<i>Not started</i>				Jul 1, 2021		
6-8 Develop/implement plan to identify/prioritize retrofit projects	<i>Not started</i>				Jul 1, 2020		
6-9 Implement retrofit projects to disconnect 2% of DCIA	<i>Not started</i>				Jul 1, 2022		
6-10 Develop/implement street sweeping program	<i>In progress</i>	<i>Working with Public Works to develop and implement program</i>	<i>Implement Program</i>	<i>Public Works</i>	Jul 1, 2017	<i>Established Program 6/19</i>	
6-11 Develop/implement catch basin cleaning program	<i>In progress</i>	<i>Working with Public Works to develop and implement program</i>	<i>Implement Program</i>	<i>Public Works</i>	Jul 1, 2020	<i>Established Program 6/19</i>	
6-12 Develop/implement snow management practices	<i>In progress</i>	<i>Working with Public Works to develop and implement program</i>	<i>Implement Program</i>	<i>Public Works</i>	Jul 1, 2018	<i>Established Program 6/19</i>	
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6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

We are using the already prepared snowplowing route system for street sweeping and catch basin cleaning. This may be limited by budget allocations.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	yes
Street sweeping	5/4/21 to 8/31/21
Curb miles swept	60 miles
Volume (or mass) of material collected	11 tons
Catch basin cleaning	
Total catch basins in priority areas	# 52
Total catch basins in MS4	#2721
Catch basins inspected	
Catch basins cleaned	# 260
Volume (or mass) of material removed from all catch basins	tons 6
Volume removed from catch basins to impaired waters (if known)	n/a
Snow management	
Type(s) of deicing material used	Salt-Ultra melt liquid
Total amount of each deicing material applied	1500 ton /20,000 gal per year
Type(s) of deicing equipment used	Sprayers/sanders
Lane-miles treated	216 miles
Snow disposal location	n/a
Staff training provided on application methods & equipment	(y) (12-19-2019)
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	n/a
Reduction in application of fertilizers (since start of permit)	n/a
Reduction in turf area (since start of permit)	n/a
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. [\[Complete this section for the 2017 Annual Report only\]](#)

Priority catch basin cleaning in priority area (Hitchcock Lake and Lily Brook) and other environmental senisitge areas. Purchased two new rod sweepers and catch basin vac in 2021.

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. [\[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.\]](#)

Not started

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

Not started

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 II: Impaired waters investigation and monitoring [This section required beginning with 2018 Annual Report]

1. Impaired waters investigation and monitoring program

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: <http://s.uconn.edu/ctms4map>.

Nitrogen/ Phosphorus Bacteria Mercury Other Pollutant of Concern

1.2 Describe program status.

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.

Conducted stormwater sampling and analysis to 6 outfalls to Hitchcock Lake. No violations of Bacteria standard found. Identified 25 outfalls in priority area (Hitchcock Lake and Lily Brook Watersheds). Rainfall events did not allow sampling in fall. Will sample in Spring 2020.

Sampled 16 of 25 outfalls during rainfall event in Oct 2020. All results were above Fecel Coliform standards.

2. Screening data for outfalls to impaired waterbodies (Section 6(i)(1) / page 41)

2.1 Screening data collected under 2017 permit

Complete the table below for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year’s screening data showing a cumulative list of outfall screening data.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?

2.2 Credit for screening data collected under 2004 permit

If any outfalls to impaired waters were sampled under the 2004 MS4 permit, that data can count towards the monitoring requirements under the modified 2017 MS4 permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

Outfall	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or	Results	Name of Laboratory (if	Follow-up required?
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		Other pollutant of concern)		used)	
HS-1	10/13/20	Total Coliform Fecal Coliform	87,000 7,500	Northeast Labs	Investigate Catch Basins
HS-2	10/13/20	Total Coliform Fecal Coliform	10,900 2,300	Northeast Labs	Investigate Catch Basins
HS-3	10/13/20	Total Coliform Fecal Coliform	65,000 9,600	Northeast Labs	Investigate Catch Basins
HS-5	10/13/20	Total Coliform Fecal Coliform	13,500 7,200	Northeast Labs	Investigate Catch Basins
HS-7	10/13/20	Total Coliform Fecal Coliform	18,000 9,300	Northeast Labs	Investigate Catch Basins
HS-9	10/13/20	Total Coliform Fecal Coliform	12,000 4,300	Northeast Labs	Investigate Catch Basins
HN-1	10/13/2020	Total Coliform Fecal Coliform	60,000 17,000	Northeast Labs	Investigate Catch Basins
HS-7A	10/13/2020	Total Coliform Fecal Coliform	5,600 1,200	Northeast Labs	Investigate Catch Basins
TR-3	10/13/2020	Total Coliform Fecal Coliform	13,400 5,400	Northeast Labs	Investigate Catch Basins
Frisbee Outfall	10/13/2020	Total Coliform Fecal Coliform	9,200 5,700	Northeast Labs	Investigate Catch Basins
Cambridge Outfall	10/13/2020	Total Coliform Fecal Coliform	16,500 3,600	Northeast Labs	Investigate Catch Basins
PW#1	10/13/20	Total Coliform Fecal Coliform	71,500 2,100	Northeast Labs	Investigate Catch Basins
Bethel Outfall	10/13/2020	Total Coliform Fecal Coliform	77,000 12,700	Northeast Labs	Investigate Catch Basins
Midwood Outfall	10/13/20	Total Coliform Fecal Coliform	10,500 4,700	Northeast Labs	Investigate Catch Basins
Todd Road	10/13/2020	Total Coliform Fecal Coliform	12,100 5,100	Northeast Labs	Investigate Catch Basins
Woodtick Rd	10/13/2020	Total Coliform Fecal Coliform	9,000 4,300	Northeast Labs	Investigate Catch Basins

3. Follow-up investigations (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment
All outfalls	Sampled 16 of 25	Inspect all catch basins.
In priority areas	Outfalls in priority area	

4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)

Once outfall screening has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2020.

Outfall	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
HS-3	Spring 2021	E Col	No sampling due to Covid	
HS-5	Spring 2021	E Col	No sampling due to Covid	
HS-7	Spring 2021	E Col	No sampling due to Covid	
HN-1	Spring 2021	E Col	No sampling due to Covid	
Frisbee	Spring 2021	E Col	No sampling due to Covid	
Bethel	Spring 2021	E Col	No sampling due to Covid	

5. Forest View 18 (No Flow)										
6. long Meadow 3	5/21	.21	90	260	.2	686.7	0	50	E coli	
7. Grilly 13	5/21	.21	49	140	.1	5.2	0	50	ecoli	
8. Executive Hill 1	5/21	.2	44	120	.1	7.4	0	50	ecoli	
9. Lindsley 1	5/21	.2	12	1	0	33.6	0	50	ecoli	
10. Brook 1	5/21	.28	130	340	.2	19.7	0	50	ecoli	
11. Brook 2	5/21	.29	130	350	.2	33.1	0	50	ecoli	
12. Ransom Hall 1	5/21	.24	71	210	.1	517.2	0	50	ecoli	
13. Ransom Hall 2 (No Flow)										
14. LB3 (No Flow)										
15. Pleasant 3 (No Flow)										
16. Pleasant 2 (No Flow)										
17. TR 8735	5/21	.25	84	290	.2	517.2	0	50	ecoli	

18. Cambridge 1 (No Flow)										
19. Midwood-CB1	5/21	.32	60	190	.1	30.9	0	50	ecoli	
20. HS6 (no Flow)										
21. HS5 (No Flow)										
22. Maple Oaks 2	5/21	.28	170	460	.3	73.3	0	50	ecoli	

2.2 Wet weather sample and inspection data

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor.

Outfall / Interconnection ID	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern

3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

Key Junction Manhole ID	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants

3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed

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:	Print name:
Signature / Date:	Signature / Date: