

MS4 General Permit
Town of New Milford 2017 Annual Report
 Existing MS4 Permittee
 Permit Number GSM 000083
 January 1, 2017 – December 31, 2017

This report documents the Town of New Milford’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
Implement public education and outreach	Implemented	Low Impact Development Presentation by Michael Dietz of UCONN CLEAR to Land Use Commissioners and the Public.	Substantial interest by land use commissioners. Draft zoning and subdivision regulations have been prepared to incorporate LID	K. Castagnetta, Town Planner	Jul 1, 2018	Seminar held on Oct. 19, 2017. We hope to annually hold a CLEAR presentation in New Milford on LID	The presentation was attended by Wetlands, Zoning, Planning commissioners
Address education/ outreach for pollutants of concern*	Implemented	RiverSmart Recourse Kits are now available and being distributed from the Land Use Offices.	Distribution of 20 kits	Land Use Staff – J. Ferlow L. Regan	Jul 1, 2018	Ongoing	

Work with Northwest Conservation District on a Sustainable Farm Plan for the Town Owned Sullivan Farm	In progress	<ul style="list-style-type: none"> Working on a proposal for activities to be completed. 	Use of sustainable farming practices. Less runoff. Conservation of soil. Reduction in waste and use of chemicals.	KCastagnetta, Town Planner	-	Plan completion in 2018. Implementation in 2019	
Work with Housatonic Valley Associates to Educate residents on River Water Quality	In progress	<ul style="list-style-type: none"> HVA has been working with Town staff and the Riverfront Revitalization Committee regarding educating everyone with regard to the quality of the Housatonic River and how it can be used for recreation and how it can be cleaned up. 	Improvement of water quality through reduction of nonpoint pollution	K. Castagnetta		HVA attended meetings throughout 2017 with staff and the Riverfront Revitalization Committee. Additional meetings are scheduled for 2018. The Riverfront Committee has attended meetings of community and civic groups regarding recreational use of the river.	

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

We hope to have UConn Clear attend a follow up presentation regarding LID hopefully with developers as well as commissioners and staff.

Implementation of the Sullivan Farm Plan for sustainable farming will allow for review and input from residents.

Additional presentations and discussions from and with HVA.

Meet with private residential lake community homeowners associations to discuss road maintenance and use of road sand and salt.

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>Contractor Education with Right of Way Permits</i>	Contractors 50+	Stormwater Management in construction of driveways	Suspended solids, salt, oil	Department of Public works
<i>See 1.1 above</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	Implemented and complied				Apr 3, 2017	March 15, 2017	
2-2 Comply with public notice requirements for Annual Reports	Implemented and complied				Feb 15, 2018	Feb 15, 2018	
2-3 Establish stormwater/MS4 committee	established	Committee consists of Town Planner, WEO, ZEO, DPW Administrator	Provide forum to coordinate SWMP implementation across depts. and commissions	KCastagnetta, Town Planner, L. Beattie, Public Works Administrator, L. Regan, ZEO J. Ferlow, WEO	-	Committee was established in 2017 and meets monthly.	Reason for addition: Committee will represent town departments & commissions with stake in stormwater mgmt.

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

Hold monthly stormwater/MS4 committee meetings to review SMP implementation progress.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Implemented	March 15, 2017	http://www.newmilford.org/filestorage/7526/20746/2017_New_Milford_MS4_Stormwater_Management_Plan_03-15-17.pdf
Availability of Annual Report announced to public	Implemented	Feb. 15, 2018	http://www.newmilford.org/content/20744/default.aspx

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	In progress	Town is in process of completing written IDDE program using the CT IDDE program template	Develop written plan of IDDE program	J. Ferlow, WEO K. Castagnetta, Planner	Jul 1, 2018	Anticipate completing by the deadline of July 1, 2018.	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In progress	Meeting with HVA to obtain price for work	Development of List	K. Castagnetta, Town Planner, D. Stanton, Town Engineer	Jul 1, 2019	Anticipate completion by July 1, 2019	
3-3 Implement citizen reporting program	Completed	Town website has link where citizens can report problem			Jul 1, 2017		http://www.newmilford.org/311/request/add
3-4 Establish legal authority to prohibit illicit discharges	In progress	MS4 Committee is in process of reviewing IDDE template.	Adoption of Ordinance	K.Castagnetta, Town Planner MS4 Committee	Jul 1, 2018	Anticipated completion by July 1, 2018	
3-5 Develop record keeping system for IDDE tracking	Completed	The New Milford Health Department keeps track of Illicit Discharges	Record of Illicit Discharges reported and their status	M. Crespan, Health Dept.	Jul 1, 2017		
3-6 Address IDDE in areas with pollutants of concern	Completed as identified	The New Milford Health Department is aware of areas with pollutants of concern.			Not specified		

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

The written program will be posted to the WATERSMART webpage and a link listed in next year’s Annual Report; will update the written IDDE program as needed throughout the permit term.

Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process

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

Date of Report	Location / suspected source	Response taken
May 1, 2017	12 Lakewood Terrace – Poolwater onto street and catchbasins	Director of Health inspected immediately and was told by property owner that they would not do this in the future.

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)
River Road north of Roostertail Hollow per DEEP report #2017-02873	6/12/2017	Surface water	Unknown	MV accident vehicle submerged in Housatonic River	N/A	N/A

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

Reports of illicit discharges to the storm sewers are called in and logged by the Offices of the Fire Marshal, Health Department, Fire Department and Department of Public Works. Staff members review and respond to the reports depending on the circumstances reported and conditions found. The individual departments listed above are responsible for tracking 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
Single family dwelling at 4 Fordyce Court	Director of Health is dealing with property owner. Notice of Violation 19, 2017	No waterbody. Located in the Housatonic Watershed 6000

3.7 IDDE reporting metrics

Metrics	This information is in progress. On schedule to meet deadline.
Estimated or actual number of MS4 outfalls	#
Estimated or actual number of interconnections	#
Outfall mapping complete	(%)
Interconnection mapping complete	(%)
System-wide mapping complete (detailed MS4 infrastructure)	(%)
Outfall assessment and priority ranking	(%)
Dry weather screening of all High and Low priority outfalls complete	#
Catchment investigations complete	#
Estimated percentage of MS4 catchment area investigated	%

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).

Staff of the Department of Public Works, Parks and Recreation and the Board of Education receive annual training regarding IDDE. Staff understand the concept of IDDE and are provided with a copy of the maintenance and prevention operations plan for their respective departments.

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	Implemented and ongoing	At least one inspection is completed per application and additional inspections as required by Wetlands or Zoning permits		ZEO, WEO, LUEO, Sanitarian, Road Construction Supervisor	Jul 1, 2019		
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Implemented	Town has a coordinated permitting process, View Permit which requires all departments to sign off on permits.			Jul 1, 2017		
4-3 Review site plans for stormwater quality concerns	Implemented	All site plans with proposed increases in impervious surface are reviewed for stormwater quality impacts and management		ZEO, WEO, Sanitarian, Town Engineer	Jul 1, 2017		
4-4 Conduct site inspections	Implemented	Implemented and ongoing per application requirements		WEO, ZEO, Sanitarian, Road Construction Supervisor	Jul 1, 2017		
4-5 Implement procedure to allow public comment on site development	Public has the right to comment at all meetings whether under public hearings or public participation	Concerned neighbors and the public have opportunity to comment on all site plans submitted for approval.		Commissions and WEO and ZEO	Jul 1, 2017		
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Implemented and ongoing				Jul 1, 2017		

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

Continue to monitor as per standard operating procedure.

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	Regulations have been drafted for zoning and subdivision regulation amendments	Drafting of regulations	Regulations to be adopted	L. Regan, ZEO K. Castagnetta Town Planner	Jul 1, 2021		
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing and implemented	All projects are reviewed for LID and stormwater Management		WEO, ZEO, LUEO, Road Construction Supervisor	Jul 1, 2019		
5-3 Identify retention and detention ponds in priority areas	Pending. On target to meet deadline	N/A			Jul 1, 2019		
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	Implemented	Catch basin cleaning and street sweeping have been occurring for many years.		WEO DPW	Jul 1, 2019		
5-5 DCIA mapping	ongoing	COG is helping with mapping		DPW	Jul 1, 2020		
5-6 Address post-construction issues in areas with pollutants of concern	Pending	N/A			Not specified		

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

The Town intends to hire HVA as a consultant to map and test all outfalls in the impaired portion of the Housatonic River and follow them up to determine source of pollutants. The Town prohibits any new hookups to the MS4.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	Acres This section Pending
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	# this year /# total

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

The Town does not currently have this mapping completed. We are working with COG.

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	Implemented	The DPW and Parks and Recreation have a formal training program in place		Various.	Jul 1, 2017		
6-2 Implement MS4 property and operations maintenance	Implemented	The Parks and Recreation Dept. have a plan in place as does the DPW. We are currently working with the BOE and PD to have their plans in place		Parks and Recreation Dept.	Jul 1, 2018		
6-3 Implement coordination with interconnected MS4s	Implemented	Town currently works with DOT		DPW, Zoning, Wetlands	Not specified		
6-4 Develop/implement program to control other sources of pollutants to the MS4	Implemented and ongoing	IDDE protocol in place, education and good housekeeping			Not specified		
6-5 Evaluate additional measures for discharges to impaired waters*	Implemented and ongoing				Not specified		
6-6 Track projects that disconnect DCIA	Implemented and ongoing	<ul style="list-style-type: none"> 164 Danbury Road – Retrofit s/w management system to disconnect portion of parking lot. 		Zoning, Wetlands, DPW	Jul 1, 2017		

		<ul style="list-style-type: none"> NM River Trail at Young's Field – Disconnect Road and 80% of parking lot and storage area of MS4. 					
6-7 Implement infrastructure repair/rehab program	Pending and ongoing	DPW currently repairs and replaces CB and CMP when reconstruction of roads occurs, and as needed. Asks for funding in Capital budgets yearly.		DPW	Jul 1, 2021		
6-8 Develop/implement plan to identify/prioritize retrofit projects	Ongoing and pending as funding allows— on track	Asks for funding in Capital budgets yearly.		DPW	Jul 1, 2020		
6-9 Implement retrofit projects to disconnect 2% of DCIA	Implemented	Implementing as funding allows. Asks for funding in Capital budgets yearly.		DPW	Jul 1, 2022		
6-10 Develop/implement street sweeping program	Implemented	Street sweeping occurs annually in the spring.		DPW	Jul 1, 2017		
6-11 Develop/implement catch basin cleaning program	Implemented	Catch basin cleaning has been occurring for many years.		DPW	Jul 1, 2020		
6-12 Develop/implement snow management practices	Implemented	Changed to salt on roads, sand only when needed. Proper storage of winter materials. DEEP approved wash facility for vehicles.		DPW	Jul 1, 2018		

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

Street sweeping and catch basin will continue as an annual activity. Public Works asks for funding for storm water management and infrastructure improvements in their Capital budget annually. Has had the budget requests cut significantly every year due to many factors.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Annually-varies
Street sweeping	
Curb miles swept	212
Volume (or mass) of material collected	1000 yards
Catch basin cleaning	
Total catch basins in priority areas	3000
Total catch basins in MS4	4866
Catch basins inspected	366
Catch basins cleaned	356
Volume (or mass) of material removed from all catch basins	unknown
Volume removed from catch basins to impaired waters (if known)	unknown
Snow management	
Type(s) of deicing material used	Envirobrine/Delcing Salt/Treated Salt
Total amount of each deicing material applied	unknown
Type(s) of deicing equipment used	Tanker Truck w sprayer/Sanders
Lane-miles treated	424
Snow disposal location	Along roads
Staff training provided on application methods & equipment	Annually in October/ November
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	unknown
Reduction in turf area (since start of permit)	0
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	\$n/a

6.4 Catch basin cleaning program

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

The Highway department uses a Vactor Truck to clean basins beginning in the spring annually. Other basins are inspected and/or replaced during road projects or as identified as necessary.

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

Annually we track tasks in our storm water section of our work management system and prepare our budget request based upon that knowledge. We have been primarily funded under road work where we repair and replace and add BMPs when budget monies allow. Other funds are provided in miscellaneous storm drainage where project selection is based on major preventative or reconstruction projects within our budget.

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

Know first the number from WestCog. Have reductions during any road project by narrowing the impervious surface when appropriate, enforcement of land use/ordinances and BMPs.

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

Same as the previous section. Further education and enforcement for any work in the Town's ROW.

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:

Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Work ID#:	H03871
Sample Date:	10/9/2017 10:00 AM	Sample ID#:	305781
Receipt Date:	10/9/2017 3:20 PM	Sample Type:	Discharge Water
Report Date:	10/18/2017	Sample Source:	Papermill Road
Site:	MS4 Stormwater Samples	Sampler:	SC Lab Employee

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	>201	MPN/100ml	0	10/9/2017	SM9223B	BW
Minerals						
Calcium	23	mg/L	10	10/13/2017	200.7	BLC
Hardness	81	mg/L	1	10/13/2017	200.7	BLC
Magnesium	5.7	mg/L	1	10/13/2017	200.7	BLC
Nutrient						
Ammonia as N	0.55	mg/L	0.1	10/11/2017	350.1	LM
Kjeldahl Nitrogen as N	4.56	mg/L	0.1	10/13/2017	351.2	LM
Nitrate as N	0.08	mg/L	0.05	10/12/2017	353.2	LM
Nitrite as N	ND	mg/L	0.05	10/11/2017	353.2	LM
Phosphorus-T as P	2.45	mg/L	0.01	10/12/2017	365.4	LM
Organic Compounds						
Oil & Grease	10.6	mg/L	0.5	10/13/2017	1664	BW
Oxygen Demand						
Chemical Oxygen Demand	228	mg/L	5	10/18/2017	H8230	BW
Physical						
Conductivity	296.3	uS/cm	1	10/10/2017	SM2510B	MO
pH	7.1	SU	0	10/9/2017	150.1	MO
Suspended Solids	137	mg/L	1	10/10/2017	SM2540D	BW
Turbidity	47.6	NTU	0.02	10/10/2017	180.1	MO

ND = Not Detected
* = Above Specified Limit
**Q = Data Qualifier

Results Certified by Hydro Technologies, LLC:



Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Work ID#:	H03871
		Sample ID#:	305782
		Sample Type:	Discharge Water
Sample Date:	10/9/2017 9:30 AM	Sample Source:	West Meetinghouse
Receipt Date:	10/9/2017 3:20 PM	Sampler:	SC Lab Employee
Report Date:	10/18/2017 3:25:25 PM		
Site:	MS4 Stormwater Samples		

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	>201	MPN/100ml	0	10/9/2017	SM9223B	BW
Minerals						
Calcium	46	mg/L	10	10/13/2017	200.7	BLC
Hardness	150	mg/L	1	10/13/2017	200.7	BLC
Magnesium	8.6	mg/L	1	10/13/2017	200.7	BLC
Nutrient						
Ammonia as N	2.92	mg/L	0.1	10/11/2017	350.1	LM
Kjeldahl Nitrogen as N	7.38	mg/L	0.1	10/13/2017	351.2	LM
Nitrate as N	0.06	mg/L	0.05	10/12/2017	353.2	LM
Nitrite as N	ND	mg/L	0.05	10/11/2017	353.2	LM
Phosphorus-T as P	1.93	mg/L	0.01	10/12/2017	365.4	LM
Organic Compounds						
Oil & Grease	3.1	mg/L	0.5	10/13/2017	1664	BW
Oxygen Demand						
Chemical Oxygen Demand	204	mg/L	5	10/18/2017	H8230	BW
Physical						
Conductivity	713.8	uS/cm	1	10/10/2017	SM2510B	MO
pH	6.5	SU	0	10/9/2017	150.1	MO
Suspended Solids	128	mg/L	1	10/10/2017	SM2540D	BW
Turbidity	71.0	NTU	0.02	10/10/2017	180.1	MO

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Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Work ID#:	H03871
		Sample ID#:	305783
		Sample Type:	Discharge Water
Sample Date:	10/9/2017 2:00 PM	Sample Source:	Young's Field
Receipt Date:	10/9/2017 3:20 PM	Sampler:	SC Lab Employee
Report Date:	10/17/2017		
Site:	MS4 Stormwater Samples		

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	201	MPN/100ml	0	10/9/2017	SM9223B	BW
Minerals						
Calcium	46	mg/L	10	10/13/2017	200.7	BLC
Hardness	258	mg/L	1	10/13/2017	200.7	BLC
Magnesium	35	mg/L	1	10/13/2017	200.7	BLC
Nutrient						
Ammonia as N	ND	mg/L	0.1	10/11/2017	350.1	LM
Kjeldahl Nitrogen as N	0.20	mg/L	0.1	10/13/2017	351.2	LM
Nitrate as N	0.37	mg/L	0.05	10/12/2017	353.2	LM
Nitrite as N	ND	mg/L	0.05	10/11/2017	353.2	LM
Phosphorus-T as P	0.03	mg/L	0.01	10/12/2017	365.4	LM
Organic Compounds						
Oil & Grease	3.8	mg/L	0.5	10/13/2017	1664	BW
Oxygen Demand						
Chemical Oxygen Demand	14	mg/L	5	10/17/2017	H8230	BW
Physical						
Conductivity	900.6	uS/cm	1	10/10/2017	SM2510B	MO
pH	7.9	SU	0	10/9/2017	150.1	MO
Suspended Solids	5	mg/L	1	10/10/2017	SM2540D	BW
Turbidity	4.73	NTU	0.02	10/10/2017	180.1	MO

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Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Work ID#:	H03871
		Sample ID#:	305784
		Sample Type:	Discharge Water
Sample Date:	10/9/2017 2:30 PM	Sample Source:	Grove Street
Receipt Date:	10/9/2017 3:20 PM	Sampler:	SC Lab Employee
Report Date:	10/17/2017		
Site:	MS4 Stormwater Samples		

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	>201	MPN/100ml	0	10/9/2017	SM9223B	BW
Minerals						
Calcium	12	mg/L	10	10/13/2017	200.7	BLC
Hardness	43	mg/L	1	10/13/2017	200.7	BLC
Magnesium	3.2	mg/L	1	10/13/2017	200.7	BLC
Nutrient						
Ammonia as N	0.71	mg/L	0.1	10/11/2017	350.1	LM
Kjeldahl Nitrogen as N	4.02	mg/L	0.1	10/13/2017	351.2	LM
Nitrate as N	0.06	mg/L	0.05	10/12/2017	353.2	LM
Nitrite as N	ND	mg/L	0.05	10/11/2017	353.2	LM
Phosphorus-T as P	1.23	mg/L	0.01	10/12/2017	365.4	LM
Organic Compounds						
Oil & Grease	1.1	mg/L	0.5	10/13/2017	1664	BW
Oxygen Demand						
Chemical Oxygen Demand	78	mg/L	5	10/17/2017	H8230	BW
Physical						
Conductivity	143.0	uS/cm	1	10/10/2017	SM2510B	MO
pH	6.8	SU	0	10/9/2017	150.1	MO
Suspended Solids	94	mg/L	1	10/10/2017	SM2540D	BW
Turbidity	74.7	NTU	0.02	10/10/2017	180.1	MO

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Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Work ID#:	H03871
Sample Date:	10/9/2017 2:15 PM	Sample ID#:	305785
Receipt Date:	10/9/2017 3:20 PM	Sample Type:	Discharge Water
Report Date:	10/17/2017 5:32:00 PM	Sample Source:	West Street
Site:	MS4 Stormwater Samples	Sampler:	SC Lab Employee

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	145	MPN/100ml	0	10/9/2017	SM9223B	BW
Minerals						
Calcium	11	mg/L	10	10/13/2017	200.7	BLC
Hardness	39	mg/L	1	10/13/2017	200.7	BLC
Magnesium	2.8	mg/L	1	10/13/2017	200.7	BLC
Nutrient						
Ammonia as N	0.28	mg/L	0.1	10/11/2017	350.1	LM
Kjeldahl Nitrogen as N	2.66	mg/L	0.1	10/13/2017	351.2	LM
Nitrate as N	ND	mg/L	0.05	10/12/2017	353.2	LM
Nitrite as N	ND	mg/L	0.05	10/11/2017	353.2	LM
Phosphorus-T as P	0.46	mg/L	0.01	10/12/2017	365.4	LM
Organic Compounds						
Oil & Grease	0.7	mg/L	0.5	10/13/2017	1664	BW
Oxygen Demand						
Chemical Oxygen Demand	126	mg/L	5	10/17/2017	H8230	BW
Physical						
Conductivity	181.9	uS/cm	1	10/10/2017	SM2510B	MO
pH	6.5	SU	0	10/9/2017	150.1	MO
Suspended Solids	16	mg/L	1	10/10/2017	SM2540D	BW
Turbidity	37.9	NTU	0.02	10/10/2017	180.1	MO

ND = Not Detected
 * = Above Specified Limit
 **Q = Data Qualifier

Results Certified by Hydro Technologies, LLC:

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of these results.

Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Work ID#:	H03871
Sample Date:	10/9/2017 10:30 AM	Sample ID#:	305786
Receipt Date:	10/9/2017 3:20 PM	Sample Type:	Discharge Water
Report Date:	10/17/2017 5:32:00 PM	Sample Source:	Elm Street
Site:	MS4 Stormwater Samples	Sampler:	SC Lab Employee

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	>201	MPN/100ml	0	10/9/2017	SM9223B	BW
Minerals						
Calcium	ND	mg/L	10	10/13/2017	200.7	BLC
Hardness	32	mg/L	1	10/13/2017	200.7	BLC
Magnesium	2.3	mg/L	1	10/13/2017	200.7	BLC
Nutrient						
Ammonia as N	ND	mg/L	0.1	10/11/2017	350.1	LM
Kjeldahl Nitrogen as N	1.71	mg/L	0.1	10/13/2017	351.2	LM
Nitrate as N	0.32	mg/L	0.05	10/12/2017	353.2	LM
Nitrite as N	ND	mg/L	0.05	10/11/2017	353.2	LM
Phosphorus-T as P	0.39	mg/L	0.01	10/12/2017	365.4	LM
Organic Compounds						
Oil & Grease	2.7	mg/L	0.5	10/13/2017	1664	BW
Oxygen Demand						
Chemical Oxygen Demand	48	mg/L	5	10/17/2017	H8230	BW
Physical						
Conductivity	86.93	uS/cm	1	10/10/2017	SM2510B	MO
pH	6.8	SU	0	10/9/2017	150.1	MO
Suspended Solids	5	mg/L	1	10/10/2017	SM2540D	BW
Turbidity	8.33	NTU	0.02	10/10/2017	180.1	MO

ND = Not Detected
* = Above Specified Limit
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