



TOWN OF NEW MILFORD
Public Works Department
10 Main Street
New Milford, Connecticut 06776
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Michael F. Zarba, P.E.
Public Works Director

Daniel L. Stanton, P.E.
Town Engineer

Town of New Milford

*General Permit for the Discharge of Stormwater
from
Small Municipal Separate Storm Sewer Systems*

MS4 Stormwater Monitoring Annual Report 2015

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Introduction

The Town of New Milford is pleased to submit this annual report as required by the Connecticut Department of Environmental Protection's (CTDEP) "General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems". This report summarizes the Town of New Milford's performance on the Best Management Practices (BMPs) submitted to the CTDEP in 2008, included in Part B of the permit. This report covers the year 2015.

The Town of New Milford has completed daily, weekly and monthly tasks to meet the requirements of some or all of the control measures that this report covers. Each section of the report will discuss specific BMPs and the ongoing efforts used to complete the tasks in the plan.

As required, this report will be available to the public for a period of 30 days for review and comment.

Minimum Control Measures

1. Public Education and Outreach

The Town of New Milford has added our MS4 Reports from 2014 to our Engineering Department webpage. When complete, we will add this report. This is used for public interaction, involvement, education and also as a way to inform the community on the weather, stormwater and the impacts of pollutants associated with the many surface waters in Town. Residents use our web site to gather information on stormwater, based on where they live in Town, and how they can best educate themselves in regard to lessening their impacts.

BMP ID	Public Education – BMP Progress	Responsible Department	BMP Status
1-1	Catch Basin signage	William Mayers, DPW	Completed 2006, placards will be installed on new catch basins and in new subdivisions before acceptance, and we replace placards as necessary

1-2	Informational Brochure	Daniel Stanton, DPW	Started in 2007, new pamphlet created in 2015 and revised for 2016
1-3	Newspaper Articles	Daniel Stanton, DPW	Press release scheduled for review of MS4 Annual Report
1-4	Public Participation	Daniel Stanton, DPW	Participation with other department activities is planned for 2016
1-5	Town Engineering Department Webpage	Daniel Stanton, DPW	For our 2015 report, we have posted the draft annual report, revised pamphlet and previous reports

2. Public Participation

The Town of New Milford has had two brief discussions in regard to the development and maintenance of a public participation program to help with implementation and review of the Town stormwater management plan. As is required, the Town of New Milford will comply with all state and local public notice and Freedom of Information requirements upon implementation of such a public involvement program.

BMP ID	Public Education – BMP Progress	Responsible Department	BMP Status
2-1	Develop Public Involvement & Participation Program	Engineering	Discussions held regarding scope of program, ideas – consider table at Earth Day event or Fair Days; potential coordination with Lake Lillinonah Authority and other volunteer organizations
2-2	Follow FOI Requirements for Program Implementation	Engineering	We comply with FOI Requirements.

3. Illicit Discharge Detection and Elimination

The Town of New Milford by ordinance currently does not allow anything other than stormwater discharges to be connected to the stormwater system. In the event that anything other than stormwater is discovered within the system, the owner of the property is notified, and the discharge is investigated, and if necessary, immediately disconnected. Currently, the Town of New Milford Health Department handles all calls regarding illicit discharges in conjunction with the Wetlands Enforcement Officer and DPW as necessary. Any stormwater sampled that may lead to areas of concern within the Town are investigated for illicit discharges. A better method of detection and sampling for illicit discharges and ordinance to cover it is currently being investigated and discussed with the Health Department.

As stated within the SWP, the Town of New Milford has committed to mapping all of the outfalls as required. The Town has invested in various software programs, and continues a substantial investment of time and resources. A portion of the stormwater outfalls have been added to this software system. Some additional outfalls need to be located. We continue to add more of them each year.

The Engineering Department has located numerous catch basins in Town with GIS, and this information has been translated to our asset tracking and mapping.

The Engineering Department continued to add data into our Cartegraph StormVIEW modules. We continue to focus on our urban areas.

BMP ID	Illicit Discharge Detection & Elimination - BMP Progress	Responsible Department	BMP Status
3-1	Map Outfalls greater than 15" in Urbanized Area	Engineering	40% and Continuing to add to asset management system
3-2	Map Outfalls greater than 15" Town-wide	Engineering	30% and Continuing to add to asset management system
3-3	Map Outfalls greater than 12" in Urbanized Area	Engineering	40% and Continuing to add to asset management system
3-4	Develop Program to detect and Eliminate Illicit discharges	Engineering / Health Department	Additional testing is proposed in our 2016/2017 budget for testing. On-going discussions regarding process
3-5	Develop Illicit Discharge	Health Dept./	On-going

	Ordinance	Wetlands Dept./ Engineering	discussions regarding ideas/ language
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4. Construction Site Stormwater Runoff Control

A stormwater management ordinance does exist within the Town of New Milford regulations already, and is implemented by the Wetlands, Zoning and Planning Commissions. The ordinance and its regulations are in accordance with the CTDEP 2004 Erosion and Sedimentation Control Manual, and are enforced through the Wetlands and Zoning Enforcement Officers, who, in conjunction with the Engineering Department, oversee the various construction projects in Town. All construction projects and their stormwater management controls are bonded within each respective commission and are maintained by the property owner/developer at all times.

BMP ID	Construction Site Runoff Control- BMP Progress	Responsible Department	BMP Status
4-1	Review Land Use Regulations	Wetlands / Zoning / Planning	Complete

5. Post-Construction Stormwater Management in New Development and Redevelopment

On all Zoning, and Wetlands applications, the applicant is required to draft and submit a maintenance schedule for their stormwater systems. This is incorporated as part of their approval from each commission. The Town of New Milford does not have a clause in the Town ordinance that requires land development applications to manage post-construction stormwater flows. However, during the review of each application, all stormwater flow management is evaluated, and the post-construction stormwater flows are considered before any approvals are issued. A separate section of regulation will have to be drafted and approved by the Engineering Department as well as the Planning, Zoning, and Wetland Commissions before it can be implemented. The potential new requirements will include installation and maintenance of any and all proposed on-site stormwater treatment systems, and a future stormwater maintenance program to be implemented by the owner(s).

BMP ID	Post Construction Stormwater Runoff Controls – BMP Progress	Responsible Department	BMP Status
5-1	Review of Land Use Regulations To meet MS4 guidelines	Wetlands/Zoning/ Planning/Engineering	Discussion held 1/15/2016
5-2	Develop Post-Construction Stormwater Ordinance	Wetlands/Zoning/ Planning/Engineering	Discussion held 1/15/2016
5-3	Develop and implement Post-	Wetlands/Zoning/	Discussion held

	Construction BMP strategy	Planning/Engineering	1/15/2016
5-4	Develop program to Ensure long Term O&M of BMPs	Wetlands/Zoning/ Planning/Engineering	Discussion held 1/15/2016 and future program development on-going

6. Pollution Prevention and Good Housekeeping for Municipal Operations

The Town of New Milford Highway Department completes most of the BMPs that are required by this control measure. All Town roads are swept annually in the spring, and in addition, roads within the downtown area are swept at least once every month between spring and fall. All stormwater drainage structures are continually cleaned throughout the construction season, and any structures are cleaned and/or repaired immediately if they are found to be clogged and non-functioning. The Town's 4,500 (approximately) catch basins and manhole structures are cleaned using a vacuum truck, which operates continuously throughout the spring, summer and fall seasons. Approximately 1,500 to 2,000 catch basins and stormwater structures are cleaned each year.

A new vacuum truck was purchased by the Town in 2013.

The repair of stormwater drainage structures is scheduled by the Highway Department using an asset management program, which, in the future cleaning and repair information will be integrated with GIS. The asset management software program integrates work orders with the database and GIS became fully functional in 2010. This allows the Town to become more efficient with record keeping, to both see which basins require more than normal cleaning/maintenance, and also to make sure all basins are, in fact cleaned.

BMP ID	Good Housekeeping – BMP Progress	Responsible Department	BMP Status
6-1	Develop Training Program for Municipal Employees	Highway	Discussions held in-house, snow removal guide shared with Highway, Park and Recreations and School Facilities Maintenance Department, other guidance documents planned to be shared in 2016
6-2	Sweep Streets once a year	Highway	Completed 2015
6-3	Evaluate Urban Area Streets for	Highway	Completed 2015

	additional Sweeping		
6-4	Develop Program to Clean structures once a year	Highway	Completed 2015
6-5	Develop a system to repair or replace MS4 structures	Highway/Engineering	Necessary repairs are always completed, with additional repair work scheduled.

Town of New Milford

General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

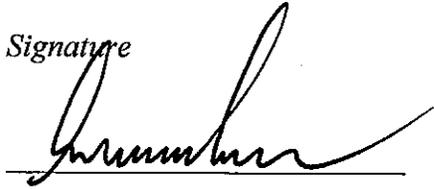
MS4 Stormwater Monitoring Annual Report 2015

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.



Mayor David Gronbach

Signature



Michael Zarba, PE – Director of Public Works

Signature



Daniel Stanton, PE – Town Engineer

Signature

A copy of our annual report is published online at:
<http://www.newmilford.org/content/3088/3752/3754/default.aspx>

Sample Results for Year 2015



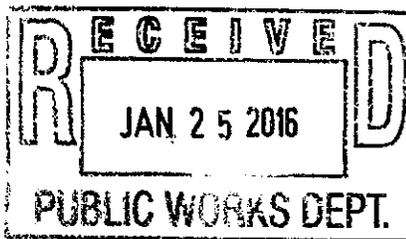
Report of Analysis

Name: New Milford Public Works Department
 Youngs Field Road
 Attn: Al Russo
 New Milford, CT 06776

Sample ID#: 201387
Sample Type: Discharge Water
Sample Source: Papermill Road
Sampler: SC Lab Employee

Sample Date: 9/30/2015 1:30 PM
Receipt Date: 9/30/2015
Report Date: 10/20/2015
Site: MS4 Stormwater Samples

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological E. coli	>2420	MPN/100ml	0	9/30/2015	SM9223B	SC
Minerals Hardness	47	mg/L	1	10/6/2015	200.7	SP
Nutrient Ammonia as N	ND	mg/L	0.05	10/2/2015	350.1	LM
Kjeldahl Nitrogen as N	1.39	mg/L	0.05	10/7/2015	351.2	LM
Nitrate as N	0.05	mg/L	0.05	10/2/2015	353.2	SP
Nitrite as N	< 0.01	mg/L	0.01	10/2/2015	353.2	SP
Phosphorus-T as P	0.57	mg/L	0.01	10/13/2015	365.4	SP
Organic Compounds Oil & Grease	3.6	mg/L	0.5	10/20/2015	1664	SC
Oxygen Demand Chemical Oxygen Demand	94	mg/L	5	10/6/2015	H8230	SC
Physical Conductivity	260	uS/cm	1	10/6/2015	SM2510B	SP
pH	6.8	SU	0	9/30/2015	150.1	SP
Suspended Solids	101	mg/L	1	10/5/2015	SM2540D	SC
Turbidity	3.09	NTU	0.02	9/30/2015	180.1	SP



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

Results Certified by Hydro Technologies, Inc.:

S. Patch

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



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

Please send completed form to: **STORMWATER GROUP**
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>Town of New Milford</u>	
Mailing Address: <u>10 Main Street, New Milford, CT 06776</u>	
Contact Person: <u>Michael F. Zarba</u>	Title: <u>Director of Public Works</u>
Phone: <u>860-355-6040</u>	Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Paper Mill Rd</u>	
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Housatonic</u>	
Time of Start of Discharge: <u>8:00 am</u>	
Date/Time Collected: <u>9/30/2015 1:30 PM</u>	Water Temperature: <u>65°F (18°C)</u>
Person Collecting Sample: <u>L. Paetsch</u>	
Storm Magnitude (inches): <u>1.5</u>	Storm Duration (hours): <u>12</u>
Date of Previous Storm Event: <u>9/10/2015</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	150.1	6.8SU	Hydro Technologies, Inc PH-0627
Rain pH	150.1	5.36SU	Hydro Technologies, Inc PH-0627
Hardness	200.7	47mg/l	Hydro Technologies, Inc PH-0627
Conductivity	SM2510B	260uS/cm	Hydro Technologies, Inc PH-0627
Oil & Grease	1664	3.6mg/l	Hydro Technologies, Inc PH-0627
COD	H8230	94mg/l	Hydro Technologies, Inc PH-0627
Turbidity	180.1	3.09NTU	Hydro Technologies, Inc PH-0627
TSS	SM540D	101mg/l	Hydro Technologies, Inc PH-0627
TP	365.4	0.57mg/l	Hydro Technologies, Inc PH-0627
Ammonia	350.1	<0.02mg/l	Hydro Technologies, Inc PH-0627
TKN	351.2	1.39mg/l	Hydro Technologies, Inc PH-0627
NO ₃ +NO ₂	353.2	0.05mg/l	Hydro Technologies, Inc PH-0627
E. coli	SM9223B	>2420MPN/100ml	Hydro Technologies, Inc PH-0627

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: <u>Michael Zarba</u>	
Signature: <u></u>	Date: <u>2/18/16</u>



Report of Analysis

Name:	New Milford Public Works Department Youngs Field Road Attn: Al Russo New Milford, CT 06776	Sample ID#:	201388
		Sample Type:	Discharge Water
		Sample Source:	West Meetinghouse
		Sampler:	SC Lab Employee
Sample Date:	9/30/2015 1:30 PM		
Receipt Date:	9/30/2015		
Report Date:	10/21/2015		
Site:	MS4 Stormwater Samples		

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	2420	MPN/100ml	0	9/30/2015	SM9223B	SC
Minerals						
Hardness	97	mg/L	1	10/6/2015	200.7	SP
Nutrient						
Ammonia as N	ND	mg/L	0.05	10/2/2015	350.1	LM
Kjeldahl Nitrogen as N	0.48	mg/L	0.05	10/7/2015	351.2	LM
Nitrate as N	0.55	mg/L	0.05	10/2/2015	353.2	SP
Nitrite as N	< 0.01	mg/L	0.01	10/2/2015	353.2	SP
Phosphorus-T as P	0.14	mg/L	0.01	10/13/2015	365.4	SP
Organic Compounds						
Oil & Grease	1.9	mg/L	0.5	10/21/2015	1664	SC
Oxygen Demand						
Chemical Oxygen Demand	28	mg/L	5	10/6/2015	H8230	SC
Physical						
Conductivity	336	uS/cm	1	10/6/2015	SM2510B	SP
pH	7.3	SU	0	9/30/2015	150.1	SP
Suspended Solids	8	mg/L	1	10/5/2015	SM2540D	SC
Turbidity	4.35	NTU	0.02	9/30/2015	180.1	SP

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

Results Certified by Hydro Technologies, Inc.:

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



General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Stormwater Monitoring Report Form

Please send completed form to: STORMWATER GROUP
 BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>Town of New Milford</u>	
Mailing Address: <u>10 Main Street, New Milford, CT 06776</u>	
Contact Person: <u>Michael F. Zarba</u>	Title: <u>Director of Public Works</u>
Phone: <u>860-355-6040</u>	Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>West Meetinghouse Rd</u>	
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Housatonic</u>	
Time of Start of Discharge: <u>8:00am</u>	
Date/Time Collected: <u>19/30/2015 1:30 PM</u>	Water Temperature: <u>65°F (18°C)</u>
Person Collecting Sample: <u>L. Paetsch</u>	
Storm Magnitude (inches): <u>1.5</u>	Storm Duration (hours): <u>12</u>
Date of Previous Storm Event: <u>9/10/2015</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	150.1	7.3SU	Hydro Technologies, Inc PH-0627
Rain pH	150.1	5.36SU	Hydro Technologies, Inc PH-0627
Hardness	200.7	97mg/l	Hydro Technologies, Inc PH-0627
Conductivity	SM2510B	336uS/cm	Hydro Technologies, Inc PH-0627
Oil & Grease	1664	1.9mg/l	Hydro Technologies, Inc PH-0627
COD	H8230	28mg/l	Hydro Technologies, Inc PH-0627
Turbidity	180.1	4.35NTU	Hydro Technologies, Inc PH-0627
TSS	SM540D	8mg/l	Hydro Technologies, Inc PH-0627
TP	365.4	0.14mg/l	Hydro Technologies, Inc PH-0627
Ammonia	350.1	<0.05mg/l	Hydro Technologies, Inc PH-0627
TKN	351.2	0.48mg/l	Hydro Technologies, Inc PH-0627
NO ₃ +NO ₂	353.2	0.55mg/l	Hydro Technologies, Inc PH-0627
E. coli	SM9223B	2420MPN/100ml	Hydro Technologies, Inc PH-0627

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: _____	<i>Michael Zarba</i>
Signature: _____	(Print Name)
Signature: _____	Date: <u>2/18/16</u>

Report of Analysis

Name: New Milford Public Works Department
 Youngs Field Road
 Attn: Al Russo
 New Milford, CT 06776

Sample ID#: 201389
Sample Type: Discharge Water
Sample Source: Young's Field
Sampler: SC Lab Employee

Sample Date: 9/30/2015 1:30 PM
Receipt Date: 9/30/2015
Report Date: 10/21/2015
Site: MS4 Stormwater Samples

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	>2420	MPN/100ml	0	9/30/2015	SM9223B	SC
Minerals						
Hardness	326	mg/L	1	10/6/2015	200.7	SP
Nutrient						
Ammonia as N	ND	mg/L	0.05	10/2/2015	350.1	LM
Kjeldahl Nitrogen as N	0.31	mg/L	0.05	10/7/2015	351.2	LM
Nitrate as N	1.01	mg/L	0.05	10/2/2015	353.2	SP
Nitrite as N	< 0.01	mg/L	0.01	10/2/2015	353.2	SP
Phosphorus-T as P	0.02	mg/L	0.01	10/13/2015	365.4	SP
Organic Compounds						
Oil & Grease	ND	mg/L	0.5	10/20/2015	1664	SC
Oxygen Demand						
Chemical Oxygen Demand	19	mg/L	5	10/6/2015	H8230	SC
Physical						
Conductivity	1153	uS/cm	1	10/6/2015	SM2510B	SP
pH	7.6	SU	0	9/30/2015	150.1	SP
Suspended Solids	2	mg/L	1	10/5/2015	SM2540D	SC
Turbidity	0.98	NTU	0.02	9/30/2015	180.1	SP

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 **Q = Data Qualifier

Results Certified by Hydro Technologies, Inc.:



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Mailing Address: <u>10 Main Street, New Milford, CT 06776</u>	
Contact Person: <u>Michael F. Zarba</u>	Title: <u>Director of Public Works</u>
Phone: <u>860-355-6040</u>	Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Young's Field Rd</u>	
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Housatonic</u>	
Time of Start of Discharge: <u>8:00 am</u>	
Date/Time Collected: <u>9/30/2015 1:30 PM</u>	Water Temperature: <u>65°F (18°C)</u>
Person Collecting Sample: <u>L. Paetsch</u>	
Storm Magnitude (inches): <u>1.5</u>	Storm Duration (hours): <u>12</u>
Date of Previous Storm Event: <u>9/10/2015</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	150.1	7.6SU	Hydro Technologies, Inc PH-0627
Rain pH	150.1	5.36SU	Hydro Technologies, Inc PH-0627
Hardness	200.7	326mg/l	Hydro Technologies, Inc PH-0627
Conductivity	SM2510B	1153uS/cm	Hydro Technologies, Inc PH-0627
Oil & Grease	1664	<0.5mg/l	Hydro Technologies, Inc PH-0627
COD	H8230	19mg/l	Hydro Technologies, Inc PH-0627
Turbidity	180.1	0.98NTU	Hydro Technologies, Inc PH-0627
TSS	SM540D	2mg/l	Hydro Technologies, Inc PH-0627
TP	365.4	0.02mg/l	Hydro Technologies, Inc PH-0627
Ammonia	350.1	<0.02mg/l	Hydro Technologies, Inc PH-0627
TKN	351.2	0.31mg/l	Hydro Technologies, Inc PH-0627
NO ₃ +NO ₂	353.2	1.01mg/l	Hydro Technologies, Inc PH-0627
E. coli	SM9223B	>2420MPN/100ml	Hydro Technologies, Inc PH-0627

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
Authorized Official: _____	Date: <u>2/10/16</u>
Signature: <u>Michael Zarba</u> <small>(Print Name)</small>	



Report of Analysis

Name: New Milford Public Works Department
 Youngs Field Road
 Attn: Al Russo
 New Milford, CT 06776

Sample ID#: 201390
Sample Type: Discharge Water
Sample Source: Grove Street
Sampler: SC Lab Employee

Sample Date: 9/30/2015 1:30 PM
Receipt Date: 9/30/2015
Report Date: 10/27/2015
Site: MS4 Stormwater Samples

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	1300	MPN/100ml	0	9/30/2015	SM9223B	SC
Minerals						
Hardness	130	mg/L	1	10/6/2015	200.7	SP
Nutrient						
Ammonia as N	ND	mg/L	0.05	10/2/2015	350.1	LM
Kjeldahl Nitrogen as N	0.19	mg/L	0.05	10/7/2015	351.2	LM
Nitrate as N	1.24	mg/L	0.05	10/2/2015	353.2	SP
Nitrite as N	< 0.01	mg/L	0.01	10/2/2015	353.2	SP
Phosphorus-T as P	0.20	mg/L	0.01	10/27/2015	365.4	SP
Organic Compounds						
Oil & Grease	1.3	mg/L	0.5	10/20/2015	1664	SC
Oxygen Demand						
Chemical Oxygen Demand	13	mg/L	5	10/6/2015	H8230	SC
Physical						
Conductivity	468	uS/cm	1	10/6/2015	SM2510B	SP
pH	7.4	SU	0	9/30/2015	150.1	SP
Suspended Solids	ND	mg/L	1	10/5/2015	SM2540D	SC
Turbidity	0.35	NTU	0.02	9/30/2015	180.1	SP

ND = Not Detected
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Results Certified by Hydro Technologies, Inc.:

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



**General Permit for the Discharge of Stormwater from Small Municipal
Separate Storm Sewer Systems**

Stormwater Monitoring Report Form

Please send completed form to: STORMWATER GROUP
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>Town of New Milford</u>
Mailing Address: <u>10 Main Street, New Milford, CT 06776</u>
Contact Person: <u>Michael F. Zarba</u> Title: <u>Director of Public Works</u>
Phone: <u>860-355-6040</u> Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Grove Street</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential
Receiving Water (name, basin): <u>Housationic</u>
Time of Start of Discharge: <u>8:00am</u>
Date/Time Collected: <u>9/30/2015 1:30 PM</u> Water Temperature: <u>65°F (18°C)</u>
Person Collecting Sample: <u>L. Paetsch</u>
Storm Magnitude (inches): <u>1.5</u> Storm Duration (hours): <u>12</u>
Date of Previous Storm Event: <u>9/10/2015</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	150.1	7.4SU	Hydro Technologies, Inc PH-0627
Rain pH	150.1	5.36SU	Hydro Technologies, Inc PH-0627
Hardness	200.7	130mg/l	Hydro Technologies, Inc PH-0627
Conductivity	SM2510B	468uS/cm	Hydro Technologies, Inc PH-0627
Oil & Grease	1664	1.3mg/l	Hydro Technologies, Inc PH-0627
COD	H8230	13mg/l	Hydro Technologies, Inc PH-0627
Turbidity	180.1	0.35NTU	Hydro Technologies, Inc PH-0627
TSS	SM540D	<1mg/l	Hydro Technologies, Inc PH-0627
TP	365.4	0.2mg/l	Hydro Technologies, Inc PH-0627
Ammonia	350.1	<0.05mg/l	Hydro Technologies, Inc PH-0627
TKN	351.2	0.19mg/l	Hydro Technologies, Inc PH-0627
NO ₃ +NO ₂	353.2	1.24mg/l	Hydro Technologies, Inc PH-0627
E. coli	SM9223B	1300MPN/100ml	Hydro Technologies, Inc PH-0627

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Michael Zarba
(Print Name)

Signature: _____ Date: 2/18/16



Report of Analysis

Name: New Milford Public Works Department
 Youngs Field Road
 Attn: Al Russo
 New Milford, CT 06776

Sample ID#: 201391
Sample Type: Discharge Water
Sample Source: West Street
Sampler: SC Lab Employee

Sample Date: 9/30/2015 1:30 PM
Receipt Date: 9/30/2015
Report Date: 10/27/2015
Site: MS4 Stormwater Samples

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	1553	MPN/100ml	0	9/30/2015	SM9223B	SC
Minerals						
Hardness	19	mg/L	1	10/6/2015	200.7	SP
Nutrient						
Ammonia as N	ND	mg/L	0.05	10/2/2015	350.1	LM
Kjeldahl Nitrogen as N	3.50	mg/L	0.05	10/7/2015	351.2	LM
Nitrate as N	< 0.05	mg/L	0.05	10/2/2015	353.2	SP
Nitrite as N	< 0.01	mg/L	0.01	10/2/2015	353.2	SP
Phosphorus-T as P	0.19	mg/L	0.01	10/27/2015	365.4	SP
Organic Compounds						
Oil & Grease	4.1	mg/L	0.5	10/20/2015	1664	SC
Oxygen Demand						
Chemical Oxygen Demand	234	mg/L	5	10/6/2015	H8230	SC
Physical						
Conductivity	74.2	uS/cm	1	10/6/2015	SM2510B	SP
pH	6.4	SU	0	9/30/2015	150.1	SP
Suspended Solids	1926	mg/L	1	10/5/2015	SM2540D	SC
Turbidity	2.09	NTU	0.02	9/30/2015	180.1	SP

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

Results Certified by Hydro Technologies, Inc.:

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



**General Permit for the Discharge of Stormwater from Small Municipal
Separate Storm Sewer Systems**

Stormwater Monitoring Report Form

Please send completed form to: **STORMWATER GROUP
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127**

PERMITTEE INFORMATION

Town: <u>Town of New Milford</u>
Mailing Address: <u>10 Main Street, New Milford, CT 06776</u>
Contact Person: <u>Michael F. Zarba</u> Title: <u>Director of Public Works</u>
Phone: <u>860-355-6040</u> Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>West Street</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential
Receiving Water (name, basin): <u>Housatonic</u>
Time of Start of Discharge: <u>8:00am</u>
Date/Time Collected: <u>9/30/2015 1:30 PM</u> Water Temperature: <u>65°F (18°C)</u>
Person Collecting Sample: <u>L. Paetsch</u>
Storm Magnitude (inches): <u>1.5</u> Storm Duration (hours): <u>12</u>
Date of Previous Storm Event: <u>9/10/2015</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	150.1	6.4SU	Hydro Technologies, Inc PH-0627
Rain pH	150.1	5.36SU	Hydro Technologies, Inc PH-0627
Hardness	200.7	19mg/l	Hydro Technologies, Inc PH-0627
Conductivity	SM2510B	74.2uS/cm	Hydro Technologies, Inc PH-0627
Oil & Grease	1664	4.1mg/l	Hydro Technologies, Inc PH-0627
COD	H8230	234mg/l	Hydro Technologies, Inc PH-0627
Turbidity	180.1	2.09NTU	Hydro Technologies, Inc PH-0627
TSS	SM540D	1926mg/l	Hydro Technologies, Inc PH-0627
TP	365.4	0.19mg/l	Hydro Technologies, Inc PH-0627
Ammonia	350.1	<0.02mg/l	Hydro Technologies, Inc PH-0627
TKN	351.2	3.50mg/l	Hydro Technologies, Inc PH-0627
NO ₃ +NO ₂	353.2	<0.06mg/l	Hydro Technologies, Inc PH-0627
E. coli	SM9223B	1553MPN/100ml	Hydro Technologies, Inc PH-0627

STATEMENT OF ACKNOWLEDGMENT

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Authorized Official: Michael Zarba
(Print Name)

Signature: _____ Date: 2/18/16



Report of Analysis

Name: New Milford Public Works Department
 Youngs Field Road
 Attn: Al Russo
 New Milford, CT 06776

Sample ID#: 203125
Sample Type: Discharge Water
Sample Source: Elm Street Ext
Sampler: SC Lab Employee

Sample Date: 12/1/2015 3:30 PM
Receipt Date: 12/1/2015 4:49 PM
Report Date: 12/14/2015 11:17:11 AM
Site: MS4 Stormwater Samples

Parameter	Sample Result	Units	MDL	Analysis Date	Method	Analyst
Biological						
E. coli	387	MPN/100ml	None	12/1/2015	SM9223B	SC
Minerals						
Hardness	32	mg/L	1	12/2/2015	200.7	SP
Nutrient						
Ammonia as N	0.21	mg/L	0.05	12/10/2015	350.1	LM
Kjeldahl Nitrogen as N	0.56	mg/L	0.05	12/10/2015	351.2	LM
Nitrate as N	0.14	mg/L	0.05	12/2/2015	353.2	SP
Nitrite as N	0.01	mg/L	0.01	12/2/2015	353.2	SP
Phosphorus-T as P	0.20	mg/L	0.01	12/10/2015	365.4	SP
Organic Compounds						
Oil & Grease	1.8	mg/L	0.5	12/11/2015	1664	SC
Oxygen Demand						
Chemical Oxygen Demand	86	mg/L	5	12/3/2015	H8230	SC
Physical						
Conductivity	111	uS/cm	1	12/2/2015	SM2510B	SP
pH	7.1	SU	None	12/1/2015	150.1	SP
Suspended Solids	104	mg/L	1	12/8/2015	SM2540D	SC
Turbidity	45.1	NTU	0.02	12/1/2015	180.1	SP

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

Results Certified by Hydro Technologies, Inc.:

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



**General Permit for the Discharge of Stormwater from Small Municipal
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79 ELM STREET
HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: <u>Town of New Milford</u>	
Mailing Address: <u>10 Main Street, New Milford, CT 06776</u>	
Contact Person: <u>Michael F. Zarba</u>	Title: <u>Director of Public Works</u>
Phone: <u>860-355-6040</u>	Permit Registration #GSM: _____

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Elm Street Exit</u>	
Please check the appropriate area description: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Housatonic</u>	
Time of Start of Discharge: <u>12:00 PM</u>	
Date/Time Collected: <u>12/1/2015 3:30 PM</u>	Water Temperature: <u>45°F (7°C)</u>
Person Collecting Sample: <u>S. Casper</u>	
Storm Magnitude (inches): <u>0.15</u>	Storm Duration (hours): <u>12</u>
Date of Previous Storm Event: <u>11/19/2015</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	150.1	7.1SU	Hydro Technologies, Inc PH-0627
Rain pH	150.1	5.8SU	Hydro Technologies, Inc PH-0627
Hardness	200.7	32mg/l	Hydro Technologies, Inc PH-0627
Conductivity	SM2510B	111uS/cm	Hydro Technologies, Inc PH-0627
Oil & Grease	1664	1.8mg/l	Hydro Technologies, Inc PH-0627
COD	H8230	86mg/l	Hydro Technologies, Inc PH-0627
Turbidity	180.1	45.1NTU	Hydro Technologies, Inc PH-0627
TSS	SM540D	104mg/l	Hydro Technologies, Inc PH-0627
TP	365.4	0.2mg/l	Hydro Technologies, Inc PH-0627
Ammonia	350.1	0.21mg/l	Hydro Technologies, Inc PH-0627
TKN	351.2	0.56mg/l	Hydro Technologies, Inc PH-0627
NO ₃ +NO ₂	353.2	0.15mg/l	Hydro Technologies, Inc PH-0627
E. coli	SM9223B	387MPN/100ml	Hydro Technologies, Inc PH-0627

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I certify that the data reported on this document were prepared under my direction or supervision in accordance with the MS4 General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: Michael Zarba
(Print Name)

Signature: _____ Date: 2/10/16