

# **Town of Beacon Falls**

**GENERAL PERMIT FOR THE DISCHARGE OF  
STORMWATER FROM SMALL MUNICIPAL  
SEPARATE STORM SEWER SYSTEMS (MS4)**

## **2016 Annual Report Permit No. GSM000065**

December 21, 2016  
NYE PROJECT # 2009-004



**NAFIS & YOUNG**

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## **Introduction**

The Town of Beacon Falls submits the following Annual Report updating the status and compliance with the Town's Stormwater Management Plan. This report meets the State of Connecticut Department of Energy & Environmental Protection (CTDEEP) requirements as outlined in the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), section (i) Reporting and Record Keeping Requirements.

Any individuals that wish to comment on this annual report or the Town of Beacon Falls's Stormwater Management Plan may contact Mr. Lawrence Secor at Nafis & Young Engineers, Inc at (203) 484-2148 or by email at [larry.secor@nafisandyoung.com](mailto:larry.secor@nafisandyoung.com).

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## 1.0 History

The Town of Beacon Falls began working on a stormwater plan during the winter of 2002/2003 to meet a projected implementation date of April 2003. The Town worked with Nafis & Young Engineers, Inc. (NYE) in developing and writing this plan. The Town completed a draft plan after receiving a final copy of the CTDEEP general permit requirements on January 9, 2004. The "State of Connecticut Department of Transportation Draft Stormwater Management Plan" was used as an outline for the Town's plan. The new General Permit was issued January 20, 2016, is effective July 1, 2017 and the new registration for this General Permit including an update of the Town's Stormwater Management Plan is required to be completed by April 1, 2017.

In 2004 the written plan was then given to the appropriate personnel within the Town of Beacon Falls's Conservation Commission, Inland Wetlands Agency, Planning & Zoning Commission and Public Works, the town posted a legal notice in both the Town Hall and the Public Library to inform the public that a copy of the plan was available in the Town Library for review by residents. The town did not receive any comments from the public.

In early 2005 the final draft of the plan was completed and is now available at the both the Town Hall and Public Library. In 2005 the Council of Governments of the Central Naugatuck Valley (COGNAV) arranged with TeleMedia Cable to air an EPA video on local public access television entitled "*After the Rain*" on two nights in December. A brochure created in conjunction with the Beacon Falls Conservation Commission/Inland Wetlands Agency that details the importance of storm water quality and the impact on the environment was distributed at the Town Hall and the Town Library. The Town also posted a poster in the Public Works garage and Town Hall to promote public awareness best management practices of storm water management during construction.

NYE has conducted thirteen (13) annual stormwater sampling events starting in the summer of 2004. Samples of six representative outfalls, two industrial, two commercial and two residential were taken on July 13, 2004, June 28, 2005, July 28, 2006, April 12, 2007, May 08, 2008, November 13, 2009, November 04, 2010, September 20, 2011, September 28, 2012, December 23, 2013, April 30, 2014, March 28, 2016 (2015 sample) and September 19, 2016. The drought conditions in 2016 have made obtaining stormwater outfall samples more difficult this year.

The Town purchased a handheld GPS/PDA system for mapping its stormwater outfalls and the required software to manage the collected data. The GPS/PDA and software was turned over to the Town's Public Works Department for continued mapping of the Town's outfalls. The final maps will be posted in the Public Works Department when it has been completed.

The Town Public Works Department and the Town Conservation Commission has initiated the storm drain-marking program with the initial labels being provided by the CTDEEP Office of Long Island Sound Programs. The Town completed marking its catch basin system in 2010. Additional catch basins were marked in 2012-2016 as required.

As of this report the town has not received any comments from the CTDEEP concerning the Town's Draft Stormwater Management Plan. This annual report is based upon that draft plan, which was updated in January 2009 for the current five-year permit cycle. The Town has kept most of the Best Management Practices (BMPs) already in use. No additional testing was performed in 2012 to address the Total Maximum Daily Load for indicator bacteria in the Naugatuck River. The Town is still charged with reducing indicator bacteria by an average of 61% to meet current water quality standards for the Naugatuck River.

The Town is actively involved in the CTDEEP Aquifer Protection Area (APA) program. In 2010 the Town adopted its APA regulations. The APA is located on the southwest corner of the Town and no commercial development exists.

In 2011, the Town re-registered the Public Works Garage and Transfer Station for the revised CTDEEP General Permit for the Discharge of Stormwater Associated with Industrial Activity. The Town performed the required stormwater outfall sampling in the October-December 2011 quarter. During 2012 some changes to the PW grounds resulted in the loss of the stormwater outfall conveyance (swale). The CTDEEP was notified in writing and outfall sampling was suspended until a conveyance is installed or naturally formed at the site.

The Town of Beacon Falls participated in the "Household Hazardous Waste Collection Central Naugatuck Valley Planning Region" three collections April 2016, June 2016 and October 2016. One hundred forty-one (141) Beacon Falls households participated in these collections that disposed of 1,650 pounds of household hazardous wastes and paints. This was approximately an 80% increase in the Beacon Falls household amounts disposed of in 2015.

The town of Beacon Falls recycles approximately 18.7 tons of scrap metal, 1,000 gallons of waste oil, 1,522 lbs. of vehicle batteries (lead/acid) and 3.9 tons of electronic items (TV's, Computers). The Town removed Freon from 69 appliances, and recycled 28 Propane tanks. There were 300 C.Y. of leaves and 360 C.Y. of brush recycled at the facility in 2016.

Any changes made to the Town's updated plan as a result of requests or comments by the CTDEEP will be reflected in subsequent annual reports.

## **2.0 Compliance**

Many of the Town's goals for the first year of the second permit were to continue building a foundation for further implementation of the Stormwater Management Plan. The Town adopted both the "Illicit Discharge and Connection Stormwater Regulation" and "Post Construction Stormwater Ordinance". Through the process of adopting these ordinances the many procedures already being followed by the Town such as Planning and Zoning and Inland Wetland enforcement inspections will improve. Construction plan



reviews have included reviewing stormwater management and erosion controls and the Town will continue these procedures but with the new ordinances in place the effectiveness of this process is improving. A large share of the effort was directed towards the education of Town officials and employees with regards to their role within the General Permit. The Best Management Practices (BMPs) chosen by the Town are addressed below:

## **Section 1: Public Education and Outreach**

### **1. Brochures / Fact Sheets**

#### **Goal: Display and Distribute Brochures**

The finished brochure was distributed at a Conservation Commission and Inland Wetlands Commission meeting in early 2005. It was approved for publication and was distributed at the Town Hall and the Library.

In 2006 the Beacon Falls Conservation Commission distributed 2000 pamphlets to each family through the Town's local school system. An additional 500 pamphlets were given to the Town's Building Inspector to be given out with every permit application package. The Beacon Falls Town Clerks office still distributes pamphlets as required.

### **2. Alternative Information Sources**

#### **Goal: Develop web site, display poster for Town, and Public Service Announcement (PSA) for local television.**

The Town's web site is now up and running. This will greatly improve the information being available to the public.

The poster has been displayed at the Town Hall and the Public Works Garage. In December of 2005, the local cable company aired an EPA video entitled *After the Rain* on two nights.

The Town Conservation Commission has an active website and they publish information concerning stormwater pollution control on this website for the town. This Commission hosted a Community Forum on October 16, 2008 that included stormwater Phase II information and outreach.

In 2011 two USEPA brochures were included in the report's appendices "Make your home The Solution to Stormwater Pollution!, A Homeowners Guide to Healthy Habits for Clean Water" and "After the Storm, A Citizen's Guide to Understanding Stormwater". These were posted on the Town's website as included in the 2011 Annual report.

### **3. Library of Educational Materials**

**Goal:** Make information available to town employees and the community

A library of educational materials is being developed and maintained at the CTDOT headquarters. As these materials are made available to the various towns in the state, materials will be procured for the various town departments as a reference for stormwater management issues.

Information on Internet websites (USEPA, CTDEEP) has also been used for reference and ideas.

#### 4. Storm Drain / Marking Stenciling

**Goal:** The Town applied to CTDEEP for the drain-marking kit and received some labels for this purpose. In summer 2006 the town of Beacon Falls's public works department was given the assignment of storm drain marking. The Town is looking for resources/volunteers to continue with the program. Brochures will be distributed to the local street residences as the labeling occurs on their respective streets.

In 2008 the Conservation Commission took over this program and will start labeling in spring 2009. Outreach and a "How to Demonstration" were presented to High School students and covered by the local Press. In 2010 the Town's completed marking most of its catch basins. In 2012 the Town continued to mark catch basins as new roads (Blackberry Hill) were completed. This work was continued in 2016 as required and is planned for 2017.

#### 5. Watercourse Signage

**Goal:** Determine what watercourses and how best to expand CTDOT tributary signage program

The CTDOT already maintains signage for certain watercourses within the Town. Officials from the Town are currently looking for areas within the Town to expand this program.

### Section 2: Public Involvement / Participation

#### 1. Presentation of Draft SWMP

**Goal:** SWMP

The final SWMP was completed in February 2005 and was made available to certain officials within the Town. It was also made available for review by the public after the posting of a public notice in the local newspaper.

This plan was updated in early 2009. The Town assigned Commissions (Inland Wetlands and Conservation) as well as the Public Works Department have taken ownership of their respective parts of the Plans and are implementing them as required.

2. Public Information Meetings

**Goal:** Brochures distributed

A brochure has been created and distributed by the Conservation Commission and is available at the Town Hall and Public Library.

3. Storm Drain / Marking Stenciling

**Goal:** The Town lined up volunteers to implement this program in Spring 2009. It was expected to be completed at the end of this permit cycle.

4. Lake and Watershed Associations / Authorities

**Goal:** Identify all local watershed Associations / Authorities and meet with representatives of all local groups

One of the leading association is the Housatonic Valley Association which is actively working programs that effect both the Housatonic and Naugatuck Rivers benefiting the Town of Beacon Falls in the areas were these rivers flow through or along the Town borders.

Other water associations and authorities are being contacted to see how their resources could best benefit the Town on these issues.

### **Section 3: Illicit Discharge Detection and Elimination**

1. Town Policy Regarding Non-Stormwater Discharges

**Goal:** Policy Implemented, begin process of improved inspections and enforce compliance.

The town's Board of Selectmen passed an Illicit Discharge and Connection Stormwater Ordinance in early 2006 and assigned responsibility for enforcement to the Town's Inland Wetlands and Watercourses Commission.

An "Illicit Discharge Detection and Elimination Manual" was created for reference and training of town personnel involved in this BMP.

2. Storm Sewer Map(s)

**Goal:** Mapping outfalls



The Town, using its Global Positioning System (GPS), PDA and associated software mapped all outfalls 15" or greater in the "urbanized" areas of the Town in 2005.

In 2006 outfalls 15" or greater the mapping has expanded and will be continued until all outfalls are mapped town wide.

In 2007 some new development areas of the Town were mapped to continue the process.

In 2010 the town inspected new outfalls in the newer developments and have GIS located these outfalls for inclusion on the Town outfall Map.

### 3. Illicit Discharge and Elimination Program

**Goal:** Continue sampling of six selected outfalls. Start sampling outfalls for ecoli to determine TMDL contribution from other outfalls.

Working with NYE, the Town selected six outfalls (two residential, two industrial, and two commercial) to be sampled and tested. These six outfalls were sampled according to the DEP's requirements during the past summer and the results are included in this report.

In 2009 the Town did not sample any additional outfalls for ecoli to determine TMDL but will plan to do this in 2017.

The Town discovered and eliminated an illicit discharge on South Main St.

### 4. Future Illicit Discharge Detection and Elimination

**Goal:** Address and enforce future non-stormwater discharges

The Town during the mapping process reviews each outfall and collects data on the condition of the stormwater discharges as observed. This information is being reviewed and the Town will investigate any suspect reports of illicit discharges.

The Town has written an Illicit Discharge Detection and Elimination Manual for distribution and training purposes.

In 2010 the Town did perform some illicit discharge inspections in the new development areas and some of the older developments.

In October 2013 the Town inspected twenty streets, including all catch basins and outfalls for illicit discharge. None were found in this inspection.

In October 2014 the Town inspected twelve streets, including catch basins and outfalls for illicit discharge and not were discovered. In anticipation of the

new General Permit the town approved roads were updated and confirmed with a count of catch basins included for each street. Detention ponds and outfalls will also be reviewed moving forward in 2016.

#### **Section 4: Construction Site Stormwater Runoff Control**

##### **1. Requirements and Guidelines for Erosion and Sediment Controls**

**Goal:** Implement and enforce the ordinance.

In early 2006 the Town's Board of Selectmen passed a "Stormwater Management Ordinance" and assigned responsibility for enforcement to the Town's Inland Wetlands and Watercourses Commission its agents and the Town Engineer.

The Town has stepped up both its initial review of any new or purposed construction projects and continues enforcement inspections of active projects to ensure erosion and sediment controls are in accordance with all local, state and federal regulations.

##### **2. Procedures for Notifying Construction Site Developers and Operators of Requirements for Registration**

**Goal:** Implement Town forms and makes the proper registration a condition of agency approvals for sites exceeding the 1- acre threshold

The Town continues to comply with all requirements of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities.

##### **3. Requirements for Construction Site Operators to Implement Appropriate Erosion and Sediment Control Best Management Practices**

**Goal:** Continue requirements for construction site operators to implement appropriate erosion and sediment control best management practices

Planning & Zoning and Inland Wetland Agency enforcement inspections continue to ensure that all applicable regulations concerning the use of erosion and sediment control measures are followed.

##### **4. Requirements for Construction Site Operators to Control Waste at the Site**

**Goal:** Continue requirements for construction site operators to control waste at the site

Planning & Zoning and Inland Wetland Agency enforcement inspections currently ensure that all applicable regulations concerning waste control are followed.

5. Procedures for Site Plan Review

**Goal:** Continue site plan review procedures

The Town Engineer reviews all site plans for conformance to the Town's, state and federal requirements relating to construction site runoff control.

6. Procedures for Receipt and Consideration of Information Submitted by the Public

**Goal:** Continue procedures for receipt and consideration of information submitted by the public.

Information submitted by the public is forwarded to the appropriate Town department for consideration.

7. Procedures for Site Inspection and Enforcement of Control Measures

**Goal:** Continue site inspection and enforcement of control measures

Site inspection and enforcement of control measures are utilized on all of the Town's projects. Under the new ordinance there are three levels of Town enforcement. Initially the inspector issues a "Notice of Inspection" for corrections to any deficiencies. This is followed with a "Notice of Deficiency" with set time requirements for correction of any issues. This may be used up to two times. Sites which continue to be noncompliant are issued a "Cease and Desist Order" with penalty and must stop work and bring the site into compliance before proceeding.

The Town inspectors issued twelve Notice of Inspections and three Notice of Deficiencies to developers for soil and erosion control inspections in 2010. The issues identified in these inspections were corrected and this process will continue until construction is complete and the sites are stabilized.

**Section 5: Post Construction Site Runoff Control**

1. Requirements for Structural and Non-Structural BMPs

**Goal:** Continue implementation of BMPs including projects with greater than or equal to 1- acre in disturbance area

The Town Engineer currently reviews plans to evaluate stormwater discharges and the methods that may be used for the treatment of stormwater before it reaches an outlet.

2. Procedures for Addressing Post Construction Runoff from Construction and Reconstruction Projects

**Goal:** Continue procedures for addressing post construction runoff from construction and reconstruction projects with greater than or equal to 1-acre in disturbance area

An internal memorandum issued to all Town departments requires stormwater management BMPs for all projects.

3. Ensuring Long Term Operation and Maintenance of Best Management Practices

**Goal:** Continue operation and maintenance of BMPs

The Public Works Department is responsible for the long-term operation and maintenance of the Town's facilities.

In 2013 NYE in conjunction with the Town of Beacon Falls Inland Wetlands and Watercourses Commission inspected twenty-seven (27) detention ponds/basins and recommended correction action and persons responsible for any discrepancies found.

## **Section 6: Pollution Prevention / Good Housekeeping**

1. Operation and Maintenance Program

**Goal:** Implement operation and maintenance requirements

The Town is continuing to identify the specifics of the training, record keeping, internal reporting, and maintenance that will be required as part of operation and maintenance plan related to stormwater management.

2. Employee Training Program

**Goal:** Develop employee-training curriculum

The Town Engineer has developed curriculum for training the subject material and will continue to conduct classes with those individuals that require training.

3. Street Sweeping Program

**Goal:** Implement street sweeping requirements.

The Public Works Department swept 100% of the Town's roadways and parking lots during the past year (2016).

**4. Catch Basin Maintenance Program**

**Goal:** Implement catch basin maintenance requirements

The Town's Public Works Department cleaned three hundred and sixty-five (365) catch basins in 2016

Burton Rd. and Highland Ave. were repaved in 2016. A new road Timber Ridge was paved but is pending acceptance by the Town. Burton Rd. had new catch basin tops installed and new piping. Approximately 600 LF of new stormwater pipe and eight new catch basins were installed on Highland Ave. in 2016

**5. Preventative Maintenance Program**

**Goal:** Implement preventative maintenance requirements

The Town conducts inspections as a part of new construction /reconstruction projects to identify existing drainage facilities that may be in need of repair or inadequate.

The Town conducts inspections as a part of new construction /reconstruction projects to identify existing drainage facilities that may be in need of repair or inadequate. During 2012, the Town installed 640ft of new drainage pipe with six new catch basins. The town also rebuilt six catch basins. In conjunction with potential upgrades to the Beacon Falls WWTF the Town is completed the I&I study of the sanitary sewer system in 2013 to determine and address cross connections or infiltration of stormwater.

**3.0 Monitoring Data**

No monitoring data was collected for the 2015 year. Two rounds were collected in 2016.

**4.0 Summary of Planned Stormwater Activities During the Next Reporting Cycle**

Continued growth within the Town is being undertaken with an eye towards improving stormwater management. Developers who are working in areas where the existing stormwater infrastructure is not able to meet the needs of their planned construction are required to install or upgrade the stormwater infrastructure as part of their development.



The Public Works Department will continue its Preventative Maintenance Program. The Public Works Department and the Town Engineer will continue to map of the remainder of the Town's outfalls. The implemented ordinances and any changes in the re-issued General Permit will be review by the appropriate Town's Commission.

Continued training will be performed within the appropriate Town Departments and Commissions.

## **5.0 Changes In Any Identified Measurable Goals or Implementation Dates**

The Town will continue to work towards meeting all of the deadlines as specified in the updated Stormwater Management Plan. Any delays in meeting the requirements of the plan will be identified and fixed within the constraints of the workloads of the various Town Departments and the Town budget.

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.

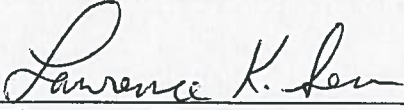
  
Signature of CEO/PEO or designee

Date: 12/21/16

Christopher Bielik  
Name of CEO/PEO or designee

First Selectman  
Title

Prepared By:  
Nafis and Young Engineers, Inc.

  
Signature of Preparer

Date: 12/21/2016

Lawrence K. Secor, CHMM  
Name of Preparer

Senior Environmental Project Manager  
Title

**APPENDIX I**

**STORMWATER MONITORING REPORTS**



# 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>Beacon Falls</u>
Mailing Address: <u>10 Maple Ave., Beacon Falls, CT 06403</u>
Contact Person: <u>Robert Pruzinsky</u> Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u> Permit Registration #GSM: <u>0000065</u>

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 26' 24" N, 073° 03' 39" W (C-1)</u>
Please check the appropriate area description: <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential
Receiving Water (name, basin): <u>Naugatuck River, 6900</u>
Time of Start of Discharge: <u>06:15 AM</u>
Date/Time Collected: <u>03/28/2016, 10:31</u> Water Temperature: <u>11.6 C</u>
Person Collecting Sample: <u>Dave Seitlinger</u>
Storm Magnitude (inches): <u>0.48"</u> Storm Duration (hours): <u>7.8</u>
Date of Previous Storm Event: <u>03/15/2016</u>

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.8 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-p20	5.34 (S.U.)	FIELD
Hardness	2340 B	19 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	65 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	105 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	49.9 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	286 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.32 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	ND<0.05 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	1.96 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	2.2 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	>12,000 (/100ml)	CT TESTING LABORATORIES, INC.

### 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>Christopher Bielik, First Selectman</u>	
Signature: <u></u> (Print Name)	Date: <u>4/15/16</u>





# 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: Beacon Falls

Mailing Address: 10 Maple Ave., Beacon Falls, CT 06403

Contact Person: Robert Pruzinsky

Title: Road Foreman

Phone: 203.729.6978

Permit Registration #GSM: 0000065

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): NAD 83: 41° 26' 13" N, 073° 03' 35" W (C-2)

Please check the appropriate area description: ☐ Industrial ☒ Commercial ☐ Residential

Receiving Water (name, basin): Naugatuck River, 6900

Time of Start of Discharge: 06:15 AM

Date/Time Collected: 03/28/2016, 10:22

Water Temperature: 12.0 C

Person Collecting Sample: Dave Seitlinger

Storm Magnitude (inches): 0.48"

Storm Duration (hours): 7.8

Date of Previous Storm Event: 03/15/2016

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.8 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-pH20	5.34 (S.U.)	FIELD
Hardness	2340 B	7 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	90 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	119 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	10.9 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	48 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.38 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.06 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	1.48 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	ND<0.01 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	ND (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielik, First Selectman

(Print Name)

Signature: [Signature]

Date: 4/15/16





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

## Stormwater Monitoring Report Form

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79 ELM STREET  
HARTFORD, CT 06106-5127

### PERMITTEE INFORMATION

Town: Beacon Falls

Mailing Address: 10 Maple Ave., Beacon Falls, CT 06403

Contact Person: Robert Pruzinsky

Title: Road Foreman

Phone: 203.729.6978

Permit Registration #GSM: 0000065

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): NAD 83: 41° 25' 49" N, 073° 04' 36" W (I-1)

Please check the appropriate area description: ☒ Industrial ☐ Commercial ☐ Residential

Receiving Water (name, basin): Naugatuck River, 6900

Time of Start of Discharge: 06:15 AM

Date/Time Collected: 03/28/2016, 11:05

Water Temperature: 12.2 C

Person Collecting Sample: Dave Seitlinger

Storm Magnitude (inches): 0.48"

Storm Duration (hours): 7.8

Date of Previous Storm Event: 03/15/2016

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.5 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-pH20	5.34 (S.U.)	FIELD
Hardness	2340 B	23 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	97 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	6 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	9.1 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	21 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.05 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	ND<0.05 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.39 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.2 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	ND (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielik, First Selectman

(Print Name)

Signature: [Signature]

Date: 4/15/16



**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>Beacon Falls</u>	
Mailing Address: <u>10 Maple Ave. Beacon Falls, CT 06403</u>	
Contact Person: <u>Robert Pruzinsky</u>	Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u>	Permit Registration #GSM: <u>0000065</u>


**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 25' 59" N, 073° 03' 47" W (I-2)</u>	
Please check the appropriate area description: <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Naugatuck River, 6900</u>	
Time of Start of Discharge: <u>06:15 AM</u>	
Date/Time Collected: <u>03/28/2016, 10:39 AM</u>	Water Temperature: <u>13.0 C</u>
Person Collecting Sample: <u>Dave Seitlinger</u>	
Storm Magnitude (inches): <u>0.48"</u>	Storm Duration (hours): <u>7.8</u>
Date of Previous Storm Event: <u>03/28/2016</u>	

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	5.9 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP pH20	5.34 (S.U.)	FIELD
Hardness	2340 B	3 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	10 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	5 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	4.2 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	14 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.03 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	ND<0.05 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.28 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	ND,<0.1 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	ND (/100ml)	CT TESTING LABORATORIES, INC.

**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>Christopher Bielik, First Selectman</u>	
Signature: <u></u>	Date: <u>4/15/16</u>





**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: Beacon Falls  
Mailing Address: 10 Maple Ave., Beacon Falls, CT 06403  
Contact Person: Robert Pruzinsky Title: Road Foreman  
Phone: 203.729.6978 Permit Registration #GSM: 0000065

**SAMPLING INFORMATION**

Discharge Location (Lat/Long or other description): NAD 83: 41° 26' 15" N, 073° 04' 14" W (R-1)  
Please check the appropriate area description: ☐ Industrial ☐ Commercial ☒ Residential  
Receiving Water (name, basin): Naugatuck River, 6900  
Time of Start of Discharge: 06:15  
Date/Time Collected: 03/28/2016, 10:50 Water Temperature: 12.1 C  
Person Collecting Sample: Dave Seitlinger  
Storm Magnitude (inches): 0.48" Storm Duration (hours): 7.8  
Date of Previous Storm Event: 03/28/2016

**MONITORING RESULTS**

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.5 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-pH20	5.34 (S.U.)	FIELD
Hardness	2340 B	23 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	36 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	ND <4 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	21.1 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	42 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.08 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	ND<0.05 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.29 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.2 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	ND 100 (/100ml)	CT TESTING LABORATORIES, INC.

**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: Christopher Bielik, First Selectman

Signature: (Print Name)

Signature: 

Date: 4/15/16



# 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>Beacon Falls</u>
Mailing Address: <u>10 Maple Ave., Beacon Falls, CT 06403</u>
Contact Person: <u>Robert Pruzinsky</u> Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u> Permit Registration #GSM: <u>0000065</u>

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 26' 12" N, 073° 02' 33" W (R-2)</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>Naugatuck River, 6900</u>	
Time of Start of Discharge: <u>06:15 AM</u>	
Date/Time Collected: <u>03/28/2016, 10:08</u>	Water Temperature: <u>10.1 C</u>
Person Collecting Sample: <u>Dave Seitlinger</u>	
Storm Magnitude (inches): <u>0.48"</u>	Storm Duration (hours): <u>7.8</u>
Date of Previous Storm Event: <u>03/15/2016</u>	

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.9 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP pH20	5.34 S.U.)	FIELD
Hardness	2340 B	12 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	127 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	ND<4.0 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	6.3 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	9 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.05 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	ND<0.05 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.46 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.6 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	1,300 (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielik, First Selectman

(Print Name)

Signature:  Date: 4/15/16





# 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>Beacon Falls</u>
Mailing Address: <u>10 Maple Ave., Beacon Falls, CT 06403</u>
Contact Person: <u>Robert Pruzinsky</u> Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u> Permit Registration #GSM: <u>0000065</u>

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 26' 24" N, 073° 03' 39" W (C-1)</u>	
Please check the appropriate area description: <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Naugatuck River, 6900</u>	
Time of Start of Discharge: <u>08:15 AM</u>	
Date/Time Collected: <u>11/29/2016, 12:41pm</u>	Water Temperature: <u>14.1 C</u>
Person Collecting Sample: <u>Larry Secor/ Dave Seitlinger</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>8.0</u>
Date of Previous Storm Event: <u>11/20/2016</u>	

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.3 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-p20	5.82 (S.U.)	FIELD
Hardness	2340 B	24 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	18 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	66 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	20.6 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	152 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.11 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.14 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	1.00 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.1 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	90 (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielik, First Selectman

(Print Name)

Signature: 

Date: 12/21/16





# 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>Beacon Falls</u>
Mailing Address: <u>10 Maple Ave., Beacon Falls, CT 06403</u>
Contact Person: <u>Robert Pruzinsky</u> Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u> Permit Registration #GSM: <u>0000065</u>

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 26' 13" N, 073° 03' 35" W (C-2)</u>	
Please check the appropriate area description: <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Receiving Water (name, basin): <u>Naugatuck River, 6900</u>	
Time of Start of Discharge: <u>08:15 AM</u>	
Date/Time Collected: <u>11/29/2016, 12:48pm</u>	Water Temperature: <u>13.8 C</u>
Person Collecting Sample: <u>Larry Secor/ Dave Seitlinger</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>8.0</u>
Date of Previous Storm Event: <u>11/20/2016</u>	

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.7 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-pH20	6.26 (S.U.)	FIELD
Hardness	2340 B	24 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	24 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	130 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	36.4 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	192 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.27 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.22 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	1.88 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.2 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	140 (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielik, First Selectman

(Print Name)

Signature:  Date: 12/21/16



# 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: Beacon Falls

Mailing Address: 10 Maple Ave., Beacon Falls, CT 06403

Contact Person: Robert Pruzinsky

Title: Road Foreman

Phone: 203.729.6978

Permit Registration #GSM: 0000065

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): NAD 83: 41° 25' 49" N, 073° 04' 36" W (I-1)

Please check the appropriate area description: ☒ Industrial

☐ Commercial

☐ Residential

Receiving Water (name, basin): Naugatuck River, 6900

Time of Start of Discharge: 08:15 AM

Date/Time Collected: 11/29/2016, 12:13pm

Water Temperature: 14.9 C

Person Collecting Sample: Larry Secor/ Dave Seitlinger

Storm Magnitude (inches): 0.30"

Storm Duration (hours): 8.0

Date of Previous Storm Event: 11/20/2016

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.6 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-pH20	6.35 (S.U.)	FIELD
Hardness	2340 B	32 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	82 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	26 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	12.5 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	16 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.04 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.11 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.48 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.2 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	1,750 (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielik, First Selectman

(Print Name)

Signature: 

Date: 12/2/16





# 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: Beacon Falls

Mailing Address: 10 Maple Ave. Beacon Falls, CT 06403

Contact Person: Robert Pruzinsky

Title: Road Foreman

Phone: 203.729.6978

Permit Registration #GSM: 0000065

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): NAD 83: 41° 25' 59" N, 073° 03' 47" W (I-2)

Please check the appropriate area description: ☒ Industrial

☐ Commercial

☐ Residential

Receiving Water (name, basin): Naugatuck River, 6900

Time of Start of Discharge: 08:15 AM

Date/Time Collected: 11/29/2016, 12:30 PM

Water Temperature: 14.2 C

Person Collecting Sample: Larry Secor/ Dave Seitlinger

Storm Magnitude (inches): 0.30"

Storm Duration (hours): 8.0

Date of Previous Storm Event: 11/20/2016

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	5.7 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP pH20	5.17 (S.U.)	FIELD
Hardness	2340 B	16 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	11 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	20 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	7.1 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	16 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.01 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.14 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.39 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.2 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	ND (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielick, First Selectman

(Print Name)

Signature: Chris Bielick

Date: 12/21/16



# 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>Beacon Falls</u>
Mailing Address: <u>10 Maple Ave., Beacon Falls, CT 06403</u>
Contact Person: <u>Robert Pruzinsky</u> Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u> Permit Registration #GSM: <u>0000065</u>


### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 26' 15" N, 073° 04' 14" W (R-1)</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>Naugatuck River, 6900</u>
Time of Start of Discharge: <u>08:15am</u>
Date/Time Collected: <u>11/29/2016, 12:19pm</u> Water Temperature: <u>13.5 C</u>
Person Collecting Sample: <u>Larry Secor/ Dave Seitlinger</u>
Storm Magnitude (inches): <u>0.30"</u> Storm Duration (hours): <u>8.0</u>
Date of Previous Storm Event: <u>11/20/2016</u>

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.5 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP-pH20	6.27 (S.U.)	FIELD
Hardness	2340 B	52 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	67 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	60 <4 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	10.6 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	19 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.09 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.24 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.24 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	0.4 (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	ND<100 (/100ml)	CT TESTING LABORATORIES, INC.

### 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>Christopher Bielik, First Selectman</u>	
Signature: <u></u> (Print Name)	Date: <u>12/21/16</u>





# 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>Beacon Falls</u>
Mailing Address: <u>10 Maple Ave., Beacon Falls, CT 06403</u>
Contact Person: <u>Robert Pruzinsky</u> Title: <u>Road Foreman</u>
Phone: <u>203.729.6978</u> Permit Registration #GSM: <u>0000065</u>

### SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>NAD 83: 41° 26' 12" N, 073° 02' 33" W (R-2)</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>Naugatuck River, 6900</u>	
Time of Start of Discharge: <u>08:15 AM</u>	
Date/Time Collected: <u>11/29/2016, 12:49pm</u>	Water Temperature: <u>13.6 C</u>
Person Collecting Sample: <u>Larry Secor/ Dave Seitlinger</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>8.0</u>
Date of Previous Storm Event: <u>11/20/2016</u>	

### MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	SM 5400-H+ B	6.5 (S.U.)	CT TESTING LABORATORIES, INC.
Rain pH	CP pH20	5.56 S.U.)	FIELD
Hardness	2340 B	8 (mg/L)	CT TESTING LABORATORIES, INC.
Conductivity	2510B	18 (µmhos/cm)	CT TESTING LABORATORIES, INC.
Oil & Grease	1664 A	ND (<5.0 mg/L)	CT TESTING LABORATORIES, INC.
COD	410.4	20 (mg/L)	CT TESTING LABORATORIES, INC.
Turbidity	180.1	13.6 (NTU)	CT TESTING LABORATORIES, INC.
TSS	2504D	29 (mg/L)	CT TESTING LABORATORIES, INC.
TP	365.3	0.05 (mg/L)	CT TESTING LABORATORIES, INC.
Ammonia	350.1	0.17 (mg/L)	CT TESTING LABORATORIES, INC.
TKN	351.2	0.47 (mg/L)	CT TESTING LABORATORIES, INC.
NO <sub>3</sub> +NO <sub>2</sub>	4500-NO3 F	ND (mg/L)	CT TESTING LABORATORIES, INC.
E. coli	9222B/9222G	250 (/100ml)	CT TESTING LABORATORIES, INC.

### 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: Christopher Bielick, First Selectman

Signature: (Print Name)

Signature: (Signature) Date: 12/2/16



## **APPENDIX II**

### **STORMWATER BMPS, OUTREACH EXAMPLES and REPORTS**

## **Factsheet: Town of Beacon Falls Water Quality and Stormwater Summary**

This document was created for each town that has submitted monitoring data under the current Small Municipal Separate Storm Sewer System (MS4) General Permit. What follows is information on how stormwater can affect water quality in streams and rivers and a summary of data submitted by your town. This factsheet is intended to help you interpret your monitoring results and assist you in compliance with the MS4 program.

### **Water Quality in Connecticut**

Surface waters are important resources that support numerous uses, including water supply, recreation, fishing, shellfishing and sustaining aquatic life. Water quality conditions needed to support these uses are identified within the Connecticut Water Quality Standards (WQS). In order to protect and restore these uses, we need acceptable environmental conditions (physical, chemical and biological) to be present within surface waters.

To assess and track water quality conditions, CT DEEP conducts monitoring across the State. The data is synthesized into a biennial state water quality report called the Integrated Water Quality Report. Currently, specific water quality monitoring in the state encompasses about 50% of rivers, 47% of lakes, and 100% of estuary/coastline. In addition, CT DEEP may have information about certain land uses or discharges which could indicate a potential for water quality to be impacted, even if the waterbody has not been fully monitored and assessed.

To find more detailed information on water quality in your town, please see the Integrated Water Quality Report (IWQR) on the CT DEEP website at [www.ct.gov/deep/iwqr](http://www.ct.gov/deep/iwqr). Information on water quality within your town is also presented on the maps included in this fact sheet.

### **Impacts of Impervious Cover on Water Quality**

Impervious cover (IC) refers to hard surfaces across the landscape such as roads, sidewalks, parking lots and roofs. Studies have focused on the amount of hard surfaces to evaluate the impacts of stormwater runoff from these hard surfaces on water quality and found that IC affects both the quantity and quality of stormwater. IC forces rain to runoff the land, carrying pollutants quickly and directly to lakes and streams instead of soaking into the ground and being filtered by the soil. For more information on impervious cover, please see the CT DEEP web page [www.ct.gov/deep/imperviouscoverstudies](http://www.ct.gov/deep/imperviouscoverstudies) and EPA's web page [www.epa.gov/caddis/ssr\\_urb\\_is1.html](http://www.epa.gov/caddis/ssr_urb_is1.html).

In general, the higher the percentage of IC in a watershed, the poorer the surface water quality. Research in Connecticut strongly suggests that aquatic life will be harmed when the IC within a

watershed exceeds 12%. Stormwater pollution from IC is a likely cause of impairment for these waterbodies.

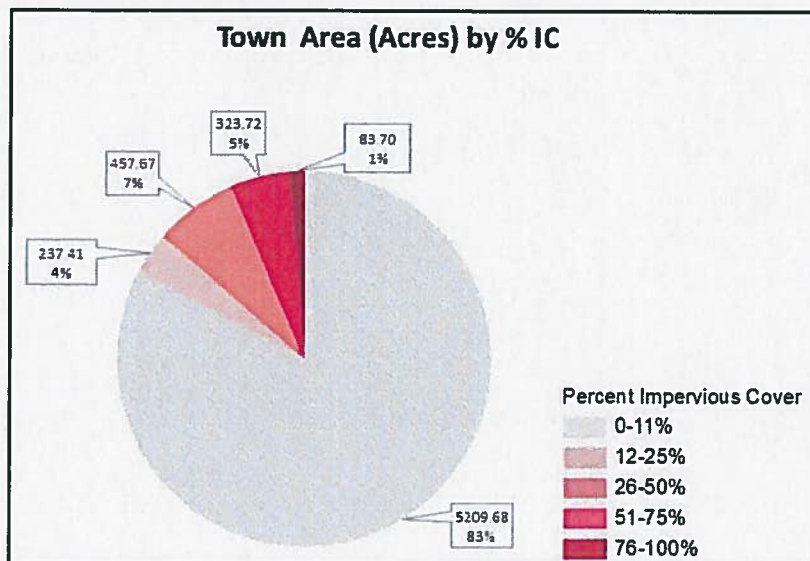
#### Town of Beacon Falls: Impervious Cover Data

This chart shows the amount of area within your town that contains IC. Data is grouped by acres and percent IC. While all levels of IC can contribute stormwater to streams, it is important to note that land with IC greater than 12% in town is likely to be contributing enough stormwater to streams to have a negative impact on water quality.

Towns should aim to make stormwater improvements in areas with IC greater than 12% in an effort to reduce the amount of stormwater pollution reaching surface waters which will protect and improve water quality.

For more information on areas of impervious cover within your town, please see the maps at the back of this factsheet.

Amounts of Impervious Cover within the Town of Beacon Falls



#### Pollution Reduction

Waterbodies often can handle a certain amount of pollutants and still maintain good water quality. However, impaired waterbodies have too much pollution impacting their water quality and therefore the streams do not support all uses for the waterbody. Total Maximum Daily Loads (TMDLs) are pollution reduction budgets developed for impaired waterbodies in order to meet water quality. If the pollution budget is achieved through the recommended pollution reduction measures, then the waterbody is expected to meet water quality. CT DEEP also supports impaired waters restoration through watershed based plans ([www.ct.gov/deep/watershed](http://www.ct.gov/deep/watershed)) which



provide more specific non-point source pollution control measures. The following TMDLs or pollution reduction strategies have been developed and apply to areas within your town.

**TMDLs or Strategies Applicable to the Town of Beacon Falls**

<b>Name of TMDL or Strategy</b>	<b>Pollutant</b>	<b>Waterbody Name</b>	<b>Link</b>
Statewide Bacteria TMDL	Bacteria	Naugatuck River / Hockanum Brook	<a href="http://www.ct.gov/deep/lib/deep/water/tmdl/statewidebacteria/naugatuckriverhockanumbrook6900.pdf">www.ct.gov/deep/lib/deep/water/tmdl/statewidebacteria/naugatuckriverhockanumbrook6900.pdf</a>
A TMDL Analysis for Recreational Uses of the Naugatuck River Regional Basin	Bacteria	Naugatuck River / Steele Brook / Great Brook / Mad River / Hop Brook / Long Meadow Pond Brook	<a href="http://www.ct.gov/deep/lib/deep/water/tmdl/tmdl_final/naugatucktmdl_final.pdf">www.ct.gov/deep/lib/deep/water/tmdl/tmdl_final/naugatucktmdl_final.pdf</a>
A TMDL Analysis to Achieve Water Quality Standards for Dissolved Oxygen in Long Island Sound	Nitrogen	Long Island Sound and contributing watersheds	<a href="http://www.ct.gov/deep/lib/deep/water/lis_water_quality/nitrogen_control_program/tmdl.pdf">www.ct.gov/deep/lib/deep/water/lis_water_quality/nitrogen_control_program/tmdl.pdf</a>
Northeast Regional Mercury TMDL	Mercury	All CT Inland waters	<a href="http://www.ct.gov/deep/lib/deep/water/tmdl/tmdl_final/ne_hg_tmdl.pdf">www.ct.gov/deep/lib/deep/water/tmdl/tmdl_final/ne_hg_tmdl.pdf</a>
Interim Phosphorus Reduction Strategy	Phosphorus	Certain CT Inland waters	<a href="http://www.ct.gov/deep/lib/deep/water/water_quality_standards/p/interimmngntphosstrat_042614.pdf">www.ct.gov/deep/lib/deep/water/water_quality_standards/p/interimmngntphosstrat_042614.pdf</a>

For more information on these TMDLs or strategies please go to our website [www.ct.gov/deep/tmdl](http://www.ct.gov/deep/tmdl).

### Stormwater Quality Monitoring

Regular monitoring for targeted pollutants in stormwater provides an indication of potential for water quality impacts and helps identify sources and unlawful discharges. Annual monitoring at 6 locations from different areas of town has been a requirement of the MS4 permit since 2004. CT DEEP uses that information to evaluate the quality of stormwater and the potential for impacts to surface waters as well as to make sure that stormwater is managed properly.

Below are 5 graphs tracking stormwater results submitted by your town for 5 parameters reported under the current MS4 General Permit. The results of each stormwater test submitted to CT DEEP by your town is shown. Individual sample results are shown in grey while the average of the samples collected on a particular day is shown in blue, with a line connecting the averages for the various sample dates. The bars show the statistical range of samples for each day with the red squares showing results which are considered to be outliers, that is, very different from the other samples collected on that day. The chart on the graph lists the sample dates and some basic statistics:

Statistic	Description
N	Number of stormwater samples collected on that date
Mean	Average of the results reported for that sample date
Standard Deviation (StdDev)	A measure of the variability of the results for the sample date
Minimum	The lowest sample result for the sample date
Maximum	The highest sample result for the sample date

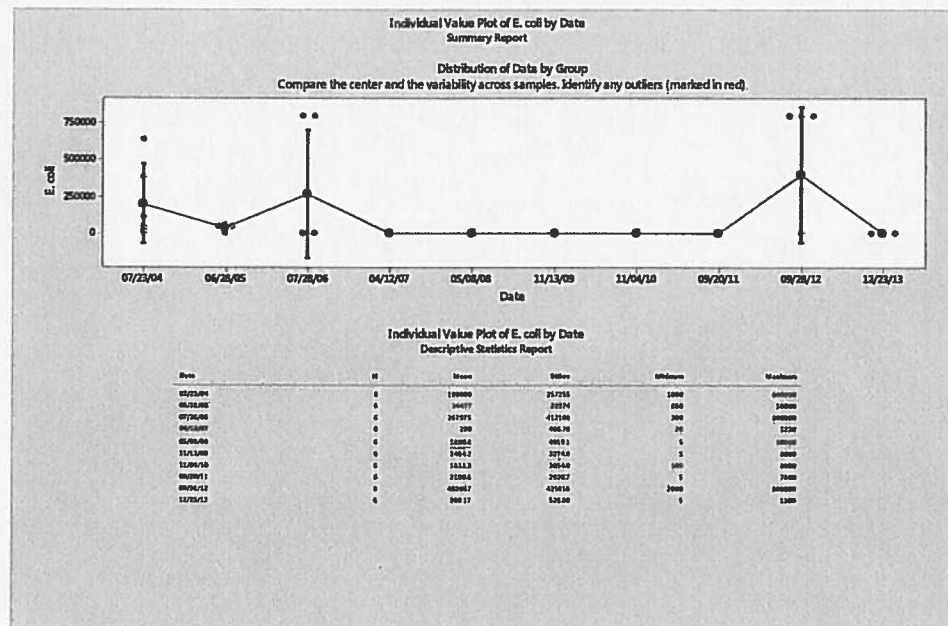
### Bacteria

*Escherichia coli* (*E. coli*) is a bacteria that lives in the intestines of humans and other warm-blooded animals and is used to indicate the presence of fecal matter in surface waters. Some strains of *E. coli* and other pathogens found in fecal material cause serious illness in people coming in contact with it. For this reason, high amounts of bacteria will cause authorities to close beaches for swimming. Bacteria is measured as the number of colony forming units, or CFU, per 100 ml of water. Any result that was reported as “too numerous to count” is included on the chart as 800,000 CFU/100 mL.



## Results of annual stormwater monitoring under MS4 permit for *E.coli* (CFU/ 100 mL of sample)

### Town of Beacon Falls

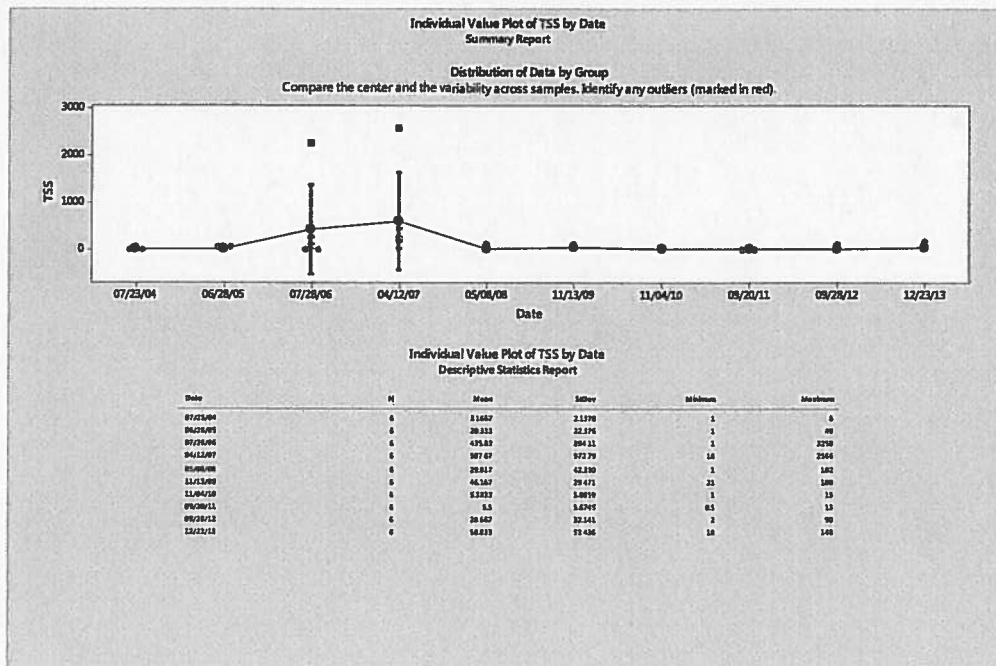


To support recreational uses of surface waters, the CT DEEP Water Quality Standards indicate that the average amount of *E. coli* found in a freshwater water body should be less than 126 CFU/100 mL and that a single sample tested for *E. coli* should be less than 235 CFU/100 mL at a designated swimming area and less than 410 CFU/100 mL in other areas. Monitoring for *E. coli* is currently required in the MS4 permit. Enterococci is another bacteria used to indicate the presence of fecal material in salt water environments. For recreation in salt water the Water Quality Standards indicate that average amount of Enterococci should be less than 35 CFU/100 mL in a designated swimming area and that a single sample tested for Enterococci should be less than 104 CFU/100 mL and in all other areas less than 500 CFU/100 mL. These targets have been included in the statewide bacteria TMDLs. In the Draft MS4 permit, *E. coli* results higher than 235 CFU/100 mL at a designated swimming area or greater than 410 CFU/100 mL in other areas requires a follow-up investigation. Individual stormwater sample results that exceed the applicable single sample maximum value for bacteria could impact water quality, so the associated outfalls should be evaluated for additional stormwater management.

## Total Suspended Solids

Total Suspended Solids (TSS) is a measurement of the amount of solids (including sand and silt) found in the stormwater sample. High concentrations of TSS can lower water quality in the receiving stream by transporting various pollutants to the waterbody where they can directly affect aquatic life or affect aquatic life by absorbing light, reducing photosynthesis, and by making the water warmer. TSS can also clog fish gills and smother fish eggs and suffocate the organisms that fish eat. TSS comes from erosion and is found in agricultural, urban and industrial runoff. TSS can be reduced by protecting land from erosion and allowing stormwater time to settle before discharging to surface waters.

### Results of annual stormwater monitoring under the MS4 general permit for TSS (mg/L) Town of Beacon Falls

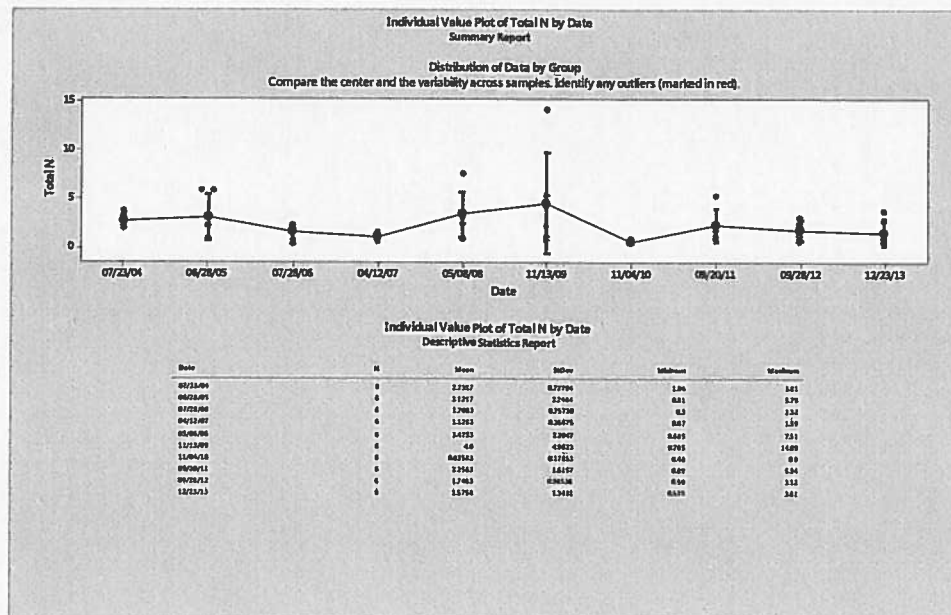


Currently, there is not a water quality based target for TSS in stormwater but TSS is a general indicator of water quality and, lower amounts of TSS are better. For comparison purposes, the average MS4 stormwater result reported for TSS by all towns covered by this permit is 48 mg/L. Areas within your town which have elevated TSS may be places to consider additional stormwater management efforts.

## Total Nitrogen

Nitrogen is an important nutrient in marine and estuarine waters such as Long Island Sound, as well as a concern in fresh water lakes and rivers. High amounts of nitrogen can lead to excessive growth of water plants and algae which then reduces the amount of oxygen available to living things in these waters. Unlawful discharges, animal waste, failing septic systems, leaves, litter and fertilizers are common sources of high nitrogen in stormwater. Responsible use of fertilizers, maintaining septic systems and proper disposal of pet waste will help reduce nitrogen in stormwater.

### Results of annual stormwater monitoring under MS4 general permit for total nitrogen (Total N mg/L) Town of Beacon Falls

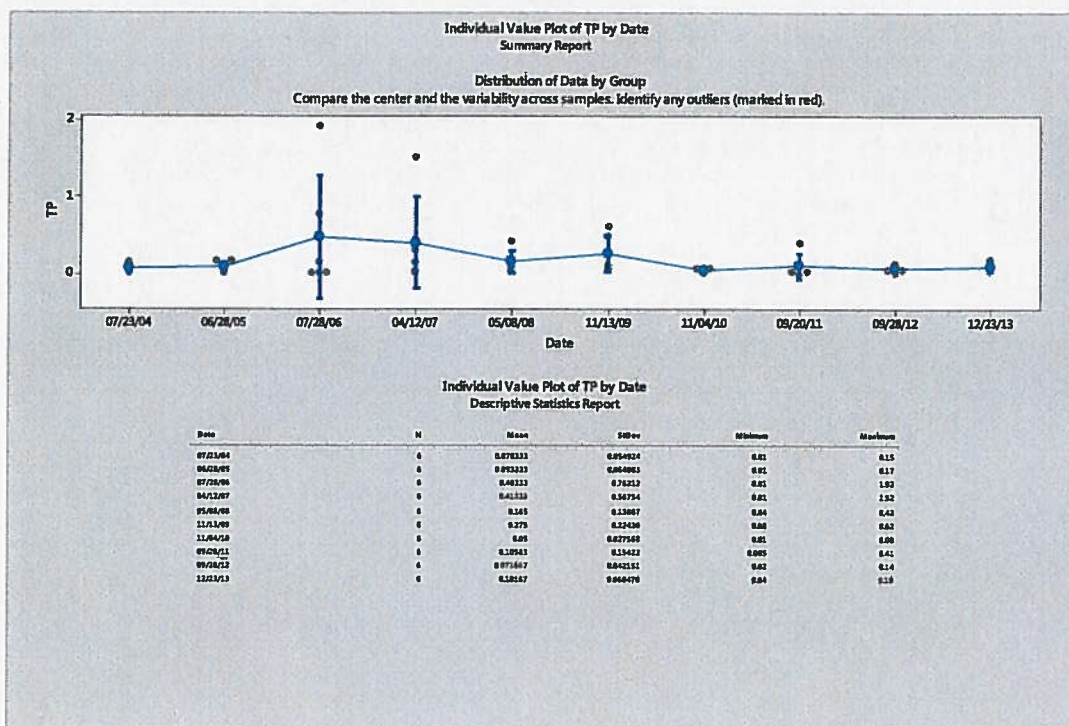


The TMDL for Long Island Sound requires a 10% reduction of nitrogen in stormwater discharges to prevent low oxygen conditions in Long Island Sound. Each town should be working to reduce the amount of nitrogen in their stormwater to address this issue. Under the current draft MS4 permit, any result for total nitrogen greater than 2.5 mg/L will require a follow-up investigation. Areas within your town which have elevated nitrogen may be places to consider additional stormwater management activities.

## Total Phosphorus

Phosphorus is an important nutrient necessary for growth in plants and animals in freshwater. Too much phosphorus in the water can throw off the balance of aquatic ecosystems causing excessive growth of water plants and algae blooms, which reduces the amount of oxygen in the water, potentially harming the fish. Sometimes these algae blooms can contain toxic forms of algae which are harmful to people and animals that come into contact with it. Sources of high phosphorus can be unlawful discharges, fertilizers, litter, leaves, erosion and animal waste.

### Results of annual stormwater monitoring under MS4 permit for total phosphorus (mg/L) Town of Beacon Falls



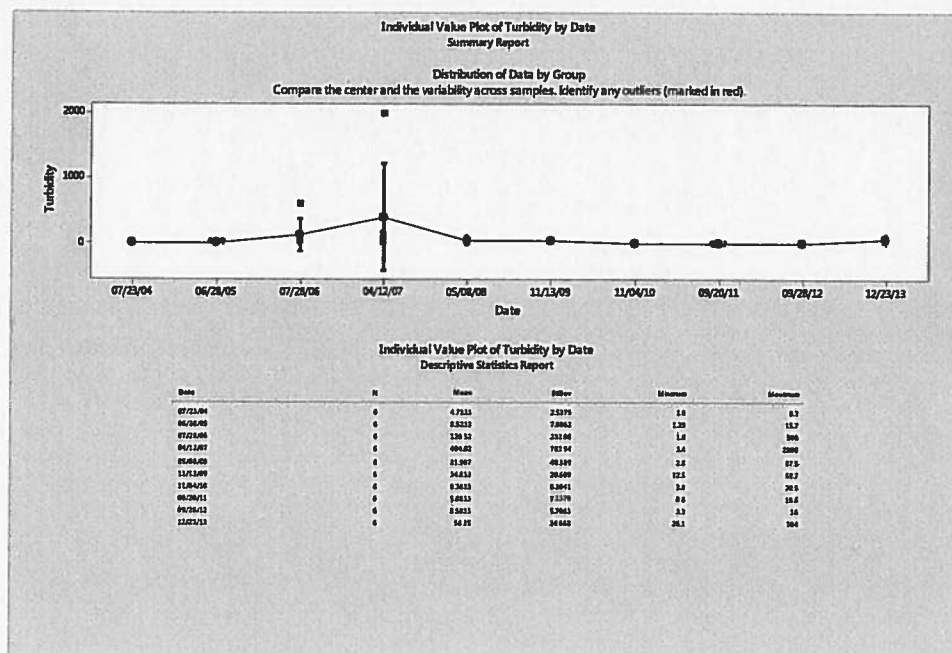
CT DEEP is actively working with many towns to reduce the amount of phosphorus reaching Connecticut's streams and rivers. Under the current draft MS4 permit, a total phosphorus result greater than 0.3 mg/L will require a follow-up investigation. Areas of your town that have elevated levels of phosphorus in the stormwater are good places to develop additional stormwater controls.



## Turbidity

Turbidity measures the clarity of the stormwater sample. It measures how much material (soil, algae, pollution, microbes etc.) is suspended in the sample. High turbidity lowers the water quality of a surface water by blocking sunlight for the plants and makes food harder for the fish to find and may be an indication of a higher amounts of other pollution in the water. Surface waters with high turbidity are visually less appealing for recreational use. High turbidity can be caused by erosion, failing septic systems, decaying plants or animals, and excessive algae growth. Turbidity is reported in Nephelometric Turbidity Units (NTU) which is related to how easily light passes through the water sample.

### Results of annual stormwater monitoring under MS4 permit for turbidity (NTU) Town of Beacon Falls



The Water Quality Standards have a criterion that indicates turbidity should not to exceed 5 NTU above ambient levels. In the draft MS4 permit, a turbidity result greater than 5 NTU over in-stream conditions will require a follow-up investigation. While there is not a fixed statewide criterion for turbidity, lower results are better for the health of the surface waters in town. Areas with higher levels of turbidity in stormwater would be a good place to develop additional stormwater controls.



### Town Maps

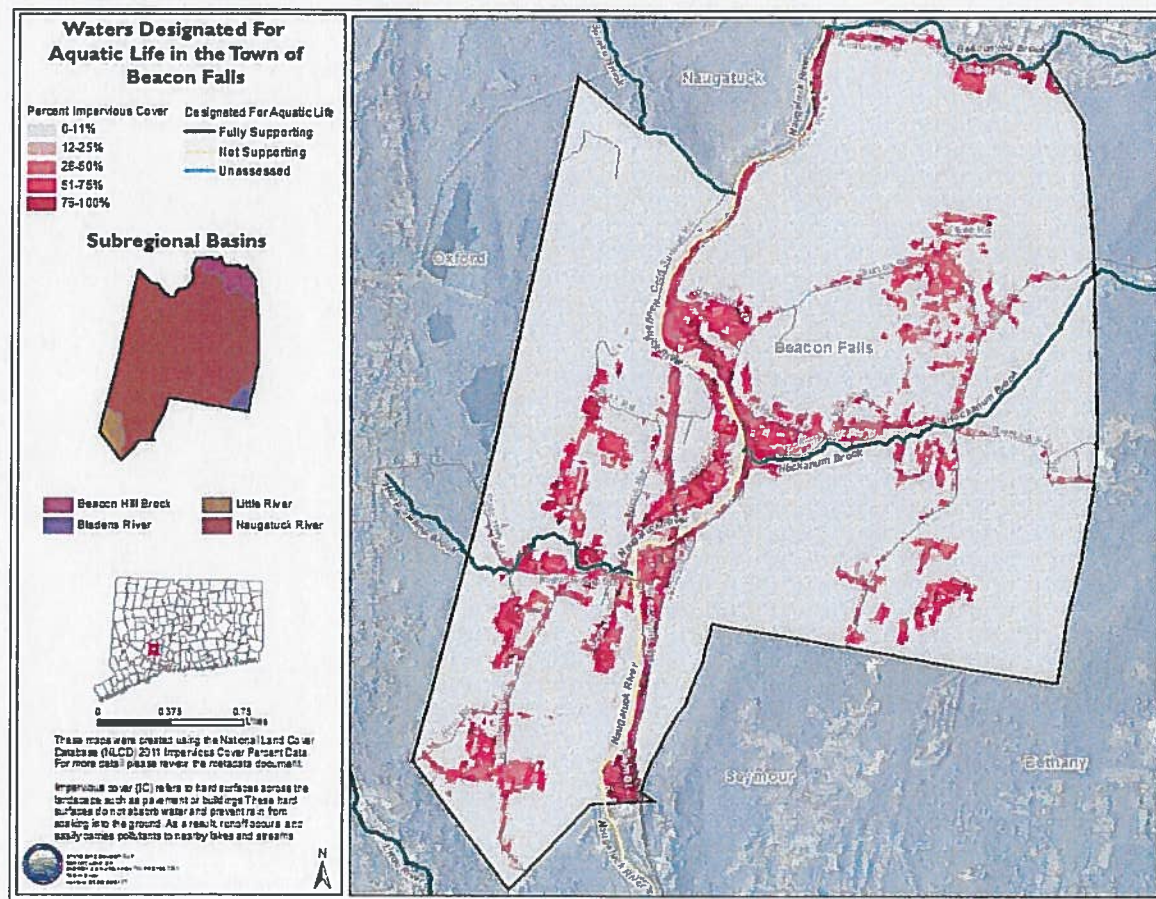
The following maps were created to show the impervious cover (IC) in your town as well as the water quality in the rivers, streams, lakes and estuaries in and around your town.

#### *Impervious Cover on the Town Maps*

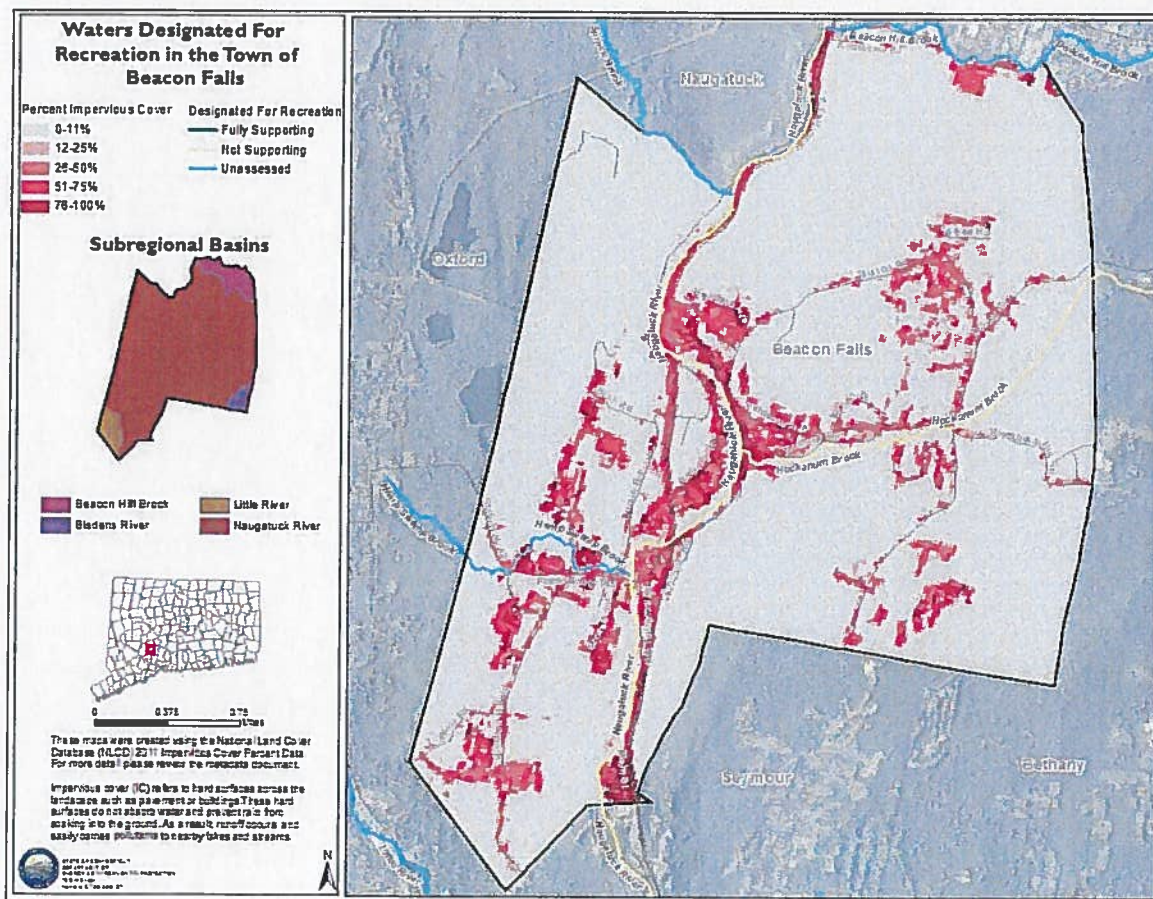
IC is shown in red on the maps. Dark red areas indicate a higher percentage of IC, lighter red areas have less IC, while the grey areas indicate very little or no IC.

#### *Water Quality on the Town Maps*

Separate maps are provided for the different uses of the waterbodies such as Aquatic Life Uses, Recreation, and Shellfishing (in coastal towns). The waterbodies are colored to show the health of the waterbody. Green means that the waterbody meets the water quality requirements to fully support the specified use. Yellow means that water quality is poor and that the specified use is not met. Blue means that there is not enough information to know whether or not water quality is good or bad to support the specified use. Additionally, a small map is provided on the left side of each larger map to show which watersheds are within your town.









Connecticut Department of  
Energy & Environmental Protection  
Bureau of Materials Management & Compliance Assurance  
Water Permitting & Enforcement Division

## MS4 Annual Report Transmittal Form

For the General Permit to Discharge Stormwater  
from Small Municipal Separate Storm Sewer  
Systems (MS4)

Print or type unless otherwise noted. You must submit the Annual  
Report and the fee along with this completed form.

CPPU USE ONLY	
App #:	_____
Doc #:	_____
Check #:	_____
Program: Stormwater Permits	

### Part I: Annual Report General Information

1. Reporting Period (Calendar Year): <u>2016</u>	
2. Provide the registration number for the existing general permit registration: <u>GSM0000065</u>	
3. Registrant Type (check one):	Fees
<input type="checkbox"/> state institution/agency	\$375.00 [713]
<input type="checkbox"/> federal institution/agency	\$375.00 [713]
<input checked="" type="checkbox"/> municipality	\$187.50 [713]
4. Municipality name or Municipality name where institution is located: <u>Beacon Falls</u>	
The annual report will not be processed without the fee. The fee shall be non-refundable and shall be paid by check or money order to the Department of Energy and Environmental Protection or by such other method as the commissioner may allow.	

### Part II: Registrant Information

1. Registrant (Name of Municipality or State or Federal Institution/Agency): <u>Beacon Falls</u>	
Mailing Address: <u>10 Maple St.</u>	
City/Town: <u>Beacon Falls</u>	State: <u>CT</u> Zip Code: <u>06403</u>
Business Phone: <u>203 729-4340</u>	ext.: <u>1</u>
Contact Person: <u>Chris Bielik</u>	Phone: <u>"Same"</u> ext. _____
*E-mail: <u>CBielik@townofbeaconfalls.com</u>	
*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject registration. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.	



## Part II: Registrant Information (continued)

### 2. Billing contact, if different than the registrant.

Name: "same"

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

### 3. Primary contact for departmental correspondence and inquiries, if different than the registrant.

Name: Rob Pruzinski, Director of Public Works, Beacon Falls Town Garage

Mailing Address: 401 Lopus Rd.

City/Town: Beacon Falls

State: CT

Zip Code: 06403

Business Phone: 203 729-6978

ext.:

Contact Person: Robert Pruzinski

Phone: "same"

ext.

\*E-mail: rpruzinsky@townofbeaconfalls.com

\*By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject registration. Please remember to check your security settings to be sure you can receive e-mails from "ct.gov" addresses. Also, please notify DEEP if your e-mail address changes.

### 4. Engineer(s) or other consultant(s) employed or retained to assist in preparing the annual report.

☐ Check here if additional sheets are necessary, and label and attach them to this sheet.

Name: Nafis & Young Engineers, Inc.

Mailing Address: 1355 Middletown Ave.

City/Town: Northford

State: CT

Zip Code: 06472

Business Phone: 203 484-2793

ext.:

Contact Person: Lawrence Secor

Phone: 203 484-24793 ext. 19

E-mail: larry.secor@nafisandyoung.com

Service Provided: Consulting Engineering

5. ☐ Check here if there are adjacent towns or other entities with which implementation of the Stormwater Management Plan is coordinated for a portion of the subject MS4. If so, provide the names of such towns or entities: \_\_\_\_\_

### Part III: Annual Report Checklist

The Annual Report must be submitted in hard copy format with this transmittal form and also must be submitted electronically to the address indicated at the end of this form.

Check the boxes confirming that, at a minimum, the following are included in the Annual Report submitted with this transmittal form.

1. A written discussion of the status of compliance with each of the six Minimum Control Measures required by the MS4 General Permit, including, but not limited to:
  - X a listing and brief description of all BMPs that were implemented during the reporting year either as one-time events or ongoing activities, including as appropriate, the location of each BMP (address and latitude/longitude), and the party responsible for implementation;
  - X a listing of BMPs that were not completed as scheduled or that were discontinued, a discussion of the circumstances and reasons for non-implementation, a modified implementation schedule and, if necessary, a modified or alternate BMP to replace the BMP not implemented including the rationale for such modified or alternate BMP;
  - X a discussion of any new or modified BMPs to be implemented in the coming year, including a description of the BMP, the reason or rationale for adding or modifying the BMP, the timeline for implementation, the measurable goal for the BMP, the party responsible for implementation and, where appropriate, the location of each BMP (address and latitude/longitude);
  - X a discussion of the progress and status of the MS4's IDDE program (see Section 6(a)(3) of the MS4 General Permit) including, mapping, implementation of an ordinance or other regulatory mechanism to prohibit non-stormwater discharges, illicit discharge tracking activities, IDDE field monitoring results, number and type of illicit discharges detected, and number of illicit discharges eliminated;
  - X a discussion of measures in the Stormwater Management Plan (Plan) for the control of discharges to impaired waters (see Section 6(k) of the MS4 General Permit) including a list of BMPs that are targeted for such discharges, progress in implementing these measures, any evaluation of the effectiveness of these measures in meeting the goals of the Plan's impaired waters program, and any new or modified BMPs to be added to the Plan to improve its effectiveness;
  - X a discussion of the MS4's stormwater monitoring program describing the status of monitoring for the reporting period with a summary of the findings, any significant observations regarding the results, any actions taken in response to the monitoring results and any modifications to the Plan made as a result of the monitoring results, and;
  - X a discussion of any changes to personnel responsible for the Plan or BMP implementation.
2. X All monitoring data collected and analyzed pursuant to Section 6(h) of the MS4 General Permit.
3. X **Annual Report Availability:** At least thirty (30) days prior to submission of the Annual Report to the DEEP, pursuant to Section 4(d) of the MS4 General Permit, each permittee shall make available for public review and comment a draft copy of the complete Annual Report. Comments on the Annual Report may be made to the permittee and are *not* submitted to the DEEP. Reasonable efforts to inform the public of this document shall be undertaken by the permittee. Such draft copies shall be made available electronically on the permittee's website for public inspection and copying, consistent with the federal and state Freedom of Information Acts, and shall be made available, at a minimum, at one of the following locations: the permittee's main office or other designated municipal or institution office, a local library or other central publicly available location. Following submission of the Annual Report to the DEEP, a copy of the final report shall be made available for public inspection during regular business hours.

#### Part IV: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the annual report must sign this part. [If the registrant is the preparer, please mark N/A in the spaces provided for the preparer.]

"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 the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

I certify that this annual report transmittal is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."

I also certify that the signature of the registrant, or a duly authorized representative, being submitted herewith complies with section 22a-430-3(b)(2)(B) of the Regulations of Connecticut State Agencies.



Signature of Chief Elected official or Principal Executive Officer

12/21/16

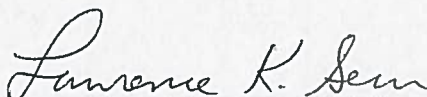
Date

**Christopher Bielik**

Printed Name of Chief Elected official or Principal Executive Officer

**First Selectman**

Title (if applicable)



Signature of Preparer (if different than above)

12/21/2016

Date

**Lawrence K. Secor, CHMM**

Name of Preparer (print or type)

**Sr. Env. Project Manager**

Title (if applicable)

Note: Please submit this completed Transmittal Form, Fee, and the **Annual Report** to:

CENTRAL PERMIT PROCESSING UNIT  
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
79 ELM STREET  
HARTFORD, CT 06106-5127

Please **also** submit the Annual Report electronically to the following address: [DEEP.StormwaterStaff@ct.gov](mailto:DEEP.StormwaterStaff@ct.gov)





**TOWN OF BEACON FALLS**  
SELECTMEN'S ORDER  
10 MAPLE AVENUE  
BEACON FALLS, CT 06403  
ACCOUNTS PAYABLE

LIBERTY BANK  
BEACON FALLS, CT 06403

21926

CHECK NO.	CHECK DATE	VENDOR NO
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021926	12/29/2016	0000000204
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PAY \*\* ONE HUNDRED EIGHTY-SEVEN AND 50 / 100 DOLLARS \*\*\*\*\*

CHECK AMOUNT

\$187.50

TO THE  
ORDER  
OF

STATE OF CT, DEEP  
LICENSING & REVENUE  
79 ELM STREET  
HARTFORD, CT 06106-5127

	SELECTMAN
	SELECTMAN
	SELECTMAN
	TREASURER

SECURITY FEATURES INCLUDED. DETAILS ON BACK

⑈021926⑈ ⑆211170282⑆ 615028114⑈