



MOVE YOUR ENVIRONMENT FORWARD

2016 ANNUAL REPORT

**Small Municipal Separate
Storm Sewer Systems (MS4)**
Waterbury, CT

Prepared For:

City of Waterbury
Department of Public Works
Waterbury, CT

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**City of Waterbury
Stormwater Management Report
2016 Annual Report**

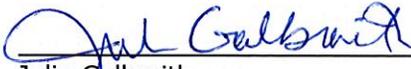
This report describes the Minimum Control Measure (MCM) activities that were accomplished in Waterbury, Connecticut during 2016 to prevent stormwater pollution and otherwise meet the requirements of the Connecticut Department of Energy and Environmental Protection *General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)*. Waterbury's Permit Registration Number is GSM000094.

Activities associated with each of the six MCMs and proposed Best Management Practices (BMPs) identified in the Part B Registration are described on the following pages. In accordance with Section 6(i)(2)(ii), the appropriateness of the BMPs and progress toward achieving their implementation and measurable goals is also noted. BMPs that have been implemented and those for which there was no activity in 2016 are also identified.

CERTIFICATIONS

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 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.



Julie Galbraith
HRP Associates, Inc.

12-20-16
Date

City Using Agency and Chief Elected Official:

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.



Willetta Capelle, Bureau of Engineering
City of Waterbury

12-21-2016
Date



Neil M. O'Leary, Mayor
City of Waterbury

12/27/16
Date

1.0 PUBLIC EDUCATION

1.1 Investigative Partnering Opportunities with River and Watershed Associations, and Other Environmentally Focused Organizations

The Naugatuck River Watershed Association (NRWA) provides information about the Naugatuck River watershed, and information about problems associated with the Naugatuck River. The NRWA also promotes, and sponsors recreational events such as kayaking, canoeing, fishing, and hiking, which make use of the River.

The naugatuckriver.net website, created in 2012, continues to promote the Naugatuck River's transition from waste stream, to improved water quality health. The site includes information on the environment and river-related events, current projects (including those being completed in Waterbury), up-to-date information on where to access the river including maps, news, and where to bird watch and hike.

This BMP is on-going and is a viable BMP with great potential for effecting change.

1.2 Encourage Stormwater School Education Programs

The Waterbury Department of Public Works has previously worked with the Post University Science Club to complete a Storm Drain Labeling Project. The Science Club was able to label approximately 250 catch basins with "NO DUMPING - DRAINS TO RIVER" in 2012 and 2013. Post University continues to plan to label drains, but drains were not labeled in 2016.

This BMP is on-going.

1.3 Develop Stormwater Education Webpage

The City's website currently includes stormwater related information under the Engineering page¹. Links to the following documents are included on the website:

- EPA's Protecting Water Quality from Urban Runoff brochure;
- EPA's After the Storm: A Citizen's Guide to Understanding Stormwater brochure (English and Spanish versions);
- Homeowner Septic System Checklist; and
- EPA's Clean Water bookmark.

This BMP is on-going.

¹ The engineering page can be found here: <http://www.waterburyct.org/content/9569/9605/9632/10197/default.aspx>

1.4 Make GIS Information Available

Geographic Information System (GIS) database maps are available on the City of Waterbury website². By selecting the 'Waterbury GIS Web Portal' link, one may access the following GIS maps pertaining to stormwater, and stormwater management:

- Assessor Maps
- Topographic Maps
- Utility Maps
- Sanitary Sewer
- Water
- Public Works Maps
- Public Works Districts
- Pavement Inventory
- GIS Control Survey
- Trash Receptacles
- Recycling Pick-Up Routes and Schedule
- Snow Removal
- DEEP/ FEMA Maps
- Drainage Basins
- Dam Maps
- Flood Zones
- Historic Maps

In 2016 1,865 catch basins, 279 manholes, and 136 outfalls were surveyed. The Portal is new to the City of Waterbury as of 2014. Several updates were made in 2016.

This BMP has been implemented by the City of Waterbury, and will be updated as necessary.

1.5 Storm Drain Inlet Call-Out

The Public Works Department adopted a new catch basin inlet frame standard in 2006. The frame casting incorporates a fish symbol and a "DUMP NO WASTE - DRAINS TO RIVER" message on the curb part of the frame. A detail of the inlet frame has been included in previous MS4 Annual Reports. The standard is used in all new development and replacement of existing structures.

In 2016 the standard new catch basin inlet frame continued to be incorporated in the design of new subdivisions and local improvement projects. It is a City-wide standard for new catch basins.

This BMP has been implemented by the City of Waterbury, and is on-going.

² The GIS webpage can be found here: <http://www.waterburvct.org/content/9569/9605/9632/10122/10159/default.aspx>

1.6 Install Pet Waste Signs/Stations

The City of Waterbury Litter Control and Beautification Commission purchased, and the Recreation and Leisure Bureau of the Public Works Department instituted a program to install dog waste stations in the City Parks. Dog waste stations are now installed in the following City of Waterbury Parks:

- Fulton Park
- Hamilton Park
- Murray Park
- Schofield Park
- Bucks Hill Park
- East Mountain Park
- Rowland Park

A photo of a dog waste station was included in the 2009 MS4 Annual Report. New and improved signage for pet waste pick-up at Rowland Park was installed in 2013.

"Do Not Feed the Geese" signs were installed in Hamilton Park in the summer of 2016. A picture of the "Do Not Feed the Geese" sign is provided in Appendix A.

This BMP is referred to as "Install Pick-Up After Pet Signs/Stations" in the Part B registration form and the Waterbury Stormwater Management Plan.

This BMP has been implemented by the City of Waterbury, and is on-going.

1.7 Provide Illicit Discharge Detection Resources

The Mayor's Citizens Service Center was established in 2001 for registering complaints, requesting information, and reporting information. The Service Center answers routine questions, logs complaints and service requests, and forwards requests to appropriate City department for action and resolution. The Service Center is a resource that the City may use for identifying illicit discharges and illegal dumping to the storm sewer system.

The Citizens Service Center website has been upgraded to allow the public to search for general information and submit service requests. Information about use of the Service Center is included on the City's website³, and provided in Appendix B. As part of the upgraded website, the City implemented a new citizen service request and work order tracking program, called QAlert, in 2012. A new service request can be submitted at the following website: <http://www.waterburyct.org/content/9569/10449/10501.aspx>.

In 2013, the QAlert program began to allow instantaneous entry of complaints and concerns, such as illicit discharges and illegal dumping, with the use of the Smartphone Application: iReportWTBY. The application is currently available in the Apple App Store and the Android Google Play Store,

³ The Citizens Service Center webpage is found here: <http://www.waterburyct.org/311>

Windows mobile is not currently supported. Through the application, citizens and visitors of Waterbury can submit service requests, report community issues, pinpoint the issue location via GPS, attach photos, and track the status of a request. The application also allows one to directly call the City from the app as well as connect through the City's social media websites; these include Twitter, and Facebook.

On October 18, 2014 the iReport WTBY application was updated to be compatible with iOS 8 and the iPhone 6 and 6 Plus. There were no changes to the functionality of the application.

This BMP has been implemented by the City of Waterbury, and is on-going.

1.8 Coordinate with Government and Non-Government Organizations to Teach Educational Classes Related to Stormwater Management

The Public Works Department has participated in radio talk shows on (WATR) in the past, in which stormwater issues and electronic waste (e-waste) recycling and collection were discussed. The Public Works Department will continue to look for opportunities to inform the public of the importance of keeping our water bodies pollutant-free.

This BMP has been implemented by the City of Waterbury, and is on-going.

1.9 Coordinate with Police Department, Neighborhood Groups, and Similar Government and Non-Government Organizations to Publicize Stormwater Materials at Local Community Events

The Public Works Department has worked cooperatively with various community groups in the City to provide stormwater educational materials at local community events. This includes attendance at various neighborhood association meetings.

The City provides a variety of Public Works Department educational materials for distribution at government and non-government events. The Waterbury Recycles brochure in Appendix C is an example of educational materials distributed at the Public Works information booth at the Housing Expo.

This BMP has been implemented by the City of Waterbury, and is on-going.

2.0 PUBLIC INVOLVEMENT/PARTICIPATION

2.1 Develop Public Involvement/Participation Program

The Public Works Department reached out to the general public and various community groups during preparation of its Stormwater Management Plan.

This BMP was implemented in 2009 when the Stormwater Management Plan was developed. The Public Works Department continues to welcome input to update the Plan.

This BMP is on-going.

2.2 Comply with State and Local Public Notice and FO1 Requirements

Public meetings of the Public Works Board of Commissioners, where the stormwater management program is discussed when appropriate, are properly noticed in accordance with City of Waterbury regulations. Meetings are held on the fourth Tuesday of the month. Stormwater management is discussed when issues come before the Board.

This BMP has been implemented by the City of Waterbury, and is on-going.

2.3 Contact Organizations for Stormwater Management Plan Input

The following organizations were sent a copy of the Stormwater Management Plan and given the opportunity to provide feedback on its content when it was finalized in 2009:

- Waterbury Department of Education;
- Naugatuck River Watershed Association;
- Waterbury Planning Department;
- Council of Governments Central Naugatuck Valley;
- Waterbury Litter Control and Beautification Commission; and
- Waterbury Development Corporation.

This BMP has been implemented by the City of Waterbury.

2.4 Make Stormwater Management Plan Available for Review

As referenced in Section 2.1 and 2.3, the Stormwater Management Plan was made available for public review and sent to applicable stakeholder groups.

A copy of the plan was also provided to the Silas Bronson Library and City Clerk for public review and comment.

This BMP has been implemented by the City of Waterbury.

2.5 Make Annual Reports Available for Review

The Annual Report is made available for public inspection and comment at the Public Works office. A copy of the public notice for the annual report printed in the Republican-American is included in Appendix D.

2.6 Annual "Clean-Up Days"

The City of Waterbury Refuse Bureau participates in multiple clean-up days that are organized by individuals and organizations throughout the summer months. The Refuse Bureau provides supplies such as gloves, garbage bags, and dumpsters, and collects and disposes the articles gathered during each event.

On Saturday May 7, 2016 volunteers assisted in the annual city-wide Earth Day cleanup. Events were planned by the Litter and Beautification Commission, with the help of the Police Blight Team, the Department of Public Works, and CL&P. Volunteers were given bags and gloves, bottles of water, and a ticket for a Hot Dog Lunch at Frankie's on Watertown Avenue. A total of 5.3 tons of municipal solid waste was collected. The Earth Day Announcement that describes the Earth Day clean-up efforts is included as Appendix E. The Department of Public Works supported these cleanups with staffing and utilizing roll-off collection for the collection of cut brush, etc.

Waterbury also participates in the Household Hazardous Waste pick-up program sponsored by the Council of Governments Central Naugatuck Valley. This activity provides citizens with a time and a place to safely dispose of their household hazardous waste, which reduces the potential for someone to dispose of it in a fashion that would be detrimental to the environment. In 2016, there were three (3) Household Hazardous Waste collection days held at three (3) separate locations that Waterbury residents could attend; April 23rd at Beacon Hose Co. No. 1 in Beacon Falls, July 9th at Kennedy High School in Waterbury, and October 8th at Bethlehem Elementary School in Bethlehem. Information on the Household Hazardous Waste collection was posted the Naugatuck Valley Council of Governments webpage, included in Appendix F. The webpage provided a link to lists of acceptable and unacceptable items, and a link to "How to Do I Dispose of" common household items brochure. A copy of this supplemental information is also included in Attachment F.

In addition to providing recycling of electronics at the Mark Lane Transfer Facility, the City of Waterbury partnered with Take-Two and held three special collection days in various neighborhoods throughout the City.

All of these efforts to clean up the City are effective to keep litter, debris and pollutants out of the storm drain system. Most are expected to continue in 2017.

The City clean-up activities are appropriate for the Public Participation Minimum Control Measure and will be on-going.

2.7 Present MS4 Updates at City Meetings

The Public Works Director, or his designee, attends all Public Works Commission and City Department meetings. Stormwater Management Program updates are given when appropriate. This public forum will continue to be used as an appropriate means of regularly reporting on the stormwater management activities of the Public Works Department.

This BMP has been implemented by the City of Waterbury, and is on-going.

3.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION

3.1 Map Outfalls Greater Than 15" in Urbanized Areas

A map showing the location, with an accompanying database for GIS use was created for Waterbury by the Council of Governments Central Naugatuck Valley (COGCNV). Information was digitized by the COGCNV from the system maps provided to them by the Waterbury Public Works Department. A copy of the map is included in the 2006 MS4 Annual Report.

As the demand for GIS-based mapping increases and funds become available, the City intends to conduct additional mapping efforts that include using a GPS unit to locate storm sewer system structures (15" and larger outfalls, storm drain manholes, catch basins, and pipe connectivity).

Activities to keep the Outfall Map up to date are on-going.

3.2 Map Outfalls Greater than 15", Town-Wide

All of the City of Waterbury is in an urbanized area making this BMP not applicable.

3.3 Map Outfalls Greater than 12" in Urbanized Area

Using information from the City's storm drain system map, the locations of the known outfalls 12-inches and greater in diameter were added to the map prepared by COGCNV as described in Section 3.1 above. A copy of the map was included in the 2009 MS4 Annual Report.

The Public Works Department will continue to work on this BMP, which will be an on-going activity, to ensure that all outfall information is shown.

3.4 Develop Program to Detect and Eliminate Illicit Discharges

The City will identify illicit discharges during dry weather outfall screening efforts and take proper measures to identify the source of the illicit discharge and eliminate it. This will be referred to as the City of Waterbury's Illicit Discharge Detection and Elimination (IDDE) Program. Enforcement action will be taken as necessary, in accordance with the Illicit Discharge Ordinance discussed in Section 3.5. Dry weather screening will be conducted as Public Works Department resources are available.

The City's IDDE Program will be an on-going activity with no end date.

3.5 Develop Illicit Discharge Ordinance

The City of Waterbury Code of Ordinances, *Chapter 51: Sewers*, prohibits the discharge of harmful liquids and solids to any public sewer, which includes sanitary and storm sewers in the City. Specifically, Section 51.66 states "Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as...storm sewers."

The City's litter and beautification ordinance, titled *Chapter 131 of the City Code of Ordinances Pertaining to the Function of the Litter Control and Beautification Commission*, prohibits the sweeping or depositing of litter from any building, sidewalk, or driveway into gutters, streets, or storm drains. A police officer or other person authorized by the Mayor may issue a citation to individuals that violate the Ordinance.

The Waterbury Blight Enforcement & Council government organization has a Facebook page⁴, which includes notices and information on blight control in Waterbury. In addition, the Waterbury Task Force has a Tip Line devoted to fighting blight, where residents can report illegal dumping. Webpage information can be found in Appendix G.

The measureable goal is implementation of ordinance, which is complete. Enforcement is in accordance with the applicable ordinance, and is on-going.

⁴ <https://www.facebook.com/pages/Waterbury-Blight-Enforcement-Control/357224897626483>

4.0 CONSTRUCTION SITE RUNOFF CONTROL

4.1 Review Land Use Regulations to Meet Requirements of MS4 Permit and Erosion and Sediment Control Guidelines

Review of the City of Waterbury Land Use Regulations was conducted as part of the Land Use Regulation Revision Project in 2008. The City's Land Use Regulations require submittal of a Construction Erosion and Sedimentation Control plan for improvement projects that will disturb more than one-half acre of earth material.

This BMP has been implemented by the City of Waterbury.

4.2 Implement Regulations, as Needed, to Meet Requirements

The requirement to prepare and use Best Management Practices (BMPs) in accordance with an Erosion and Sedimentation Control Plan during construction of a project that will disturb more than one-half acre of earth material is regulated by the City of Waterbury Zoning and Subdivision Regulations, thereby meeting the requirement for construction site stormwater runoff management.

This BMP has great potential to improve MS4 stormwater discharge quality, has been implemented, and is on-going.

In 2013, the Waterbury Public Works Department, Engineering Bureau reviewed Erosion and Sedimentation Control Plans submitted for subdivisions and commercial developments. This is an on-going process.

5.0 POST-CONSTRUCTION RUNOFF CONTROL

5.1 Review Land Use Regulations to Meet Requirements of MS4 Permit and E&S Guidelines

In accordance with the requirements of the MS4 General Permit, the City of Waterbury land use regulations titled *Land Subdivision Regulations of the City Plan Commission (with Amendments Through January 16, 2007)* and *Zoning Regulations of the Zoning Commission (with Amendments Through January 16, 2007)* were reviewed in 2008. The Land Subdivision Regulations require that applicants for Special Conditional Use and Subdivision approvals submit a Construction Erosion and Sedimentation Control plan for improvement projects that will disturb more than one-half acre. The Zoning Regulation also requires erosion and sediment controls.

This BMP has been implemented by the City of Waterbury.

5.2 Develop Post-Construction Ordinance or Regulation

The City of Waterbury Land Subdivision Regulations were modified in September 2011. Modified regulations for the Zoning, City Plan, and the Inland Wetlands and Watercourses Commissions were also under development and include post-construction stormwater management requirements and a compilation of engineering design standards and details consistent with the MS4 General Permit requirements and the CTDEEP Stormwater Quality Manual. The City's Land Use Commission will administer the regulations.

This BMP has been implemented by the City of Waterbury.

5.3 Develop and Implement Post-Construction BMP Strategy

The use of appropriate BMPs, as set forth in the CTDEEP Stormwater Quality Manual, is likely to be incorporated by reference in the City's revised land use regulations.

The measurable goal is development and implementation of a strategy. Adoption and implementation of the land use regulations will achieve this goal. Implementation will have no end date.

Development of this BMP is on-going.

5.4 Develop Program to Ensure Long-Term Operation and Maintenance of BMPs

The City is likely to implement long-term operation and maintenance of BMPs through measures incorporated into revised Land Use Regulations. The CTDEEP Stormwater Quality Manual includes routine and non-routine operation and maintenance requirements for structural stormwater treatment practices to function properly over time. The manual is likely to be included by reference in the revised land use regulations.

The measurable goal is development of a program. Adoption and implementation of the land use regulations will achieve this goal. Implementation will have no end date.

Development of this BMP is on-going.

6.0 **GOOD HOUSEKEEPING**

6.1 **Develop Training Program for Municipal Employees**

The City has training requirements and protocols in place. Those related to stormwater management include the following:

- Annual stormwater management employee training at the Public Works Bureaus of Refuse and Central Vehicle Maintenance, and Streets, and at the Mark Lane Transfer Station
- Pesticide and fertilizer application training
- Proper pool maintenance
- Spill protocols
- Vehicle Wash protocols
- Standard erosion and sediment controls for roadway, building, and park repairs
- Work order system for stormwater system maintenance (including replacing catch basin grates with the new grates that have the drain inlet call-out "Dump No Waste - Drains to River")

Copies of the following notices and logs were included in the 2009 MS4 Annual Report:

- Vehicle Washing Notice submitted to the Chief of Staff
- Vehicle Washing Notices submitted to the Water Department, Police Department, Legal department, and Engineering Department
- Standard Operating Procedure for Vehicle Washing
- Vehicle Maintenance Logs for the Water and Engineering Departments
- Vehicle and Oil/Water Separator Maintenance Logs for the Police Department and Mark Lane Transfer Facility
- Standard Operating Procedures for Petroleum Spills

As part of the normal maintenance operations at City Parks, City Park Foremen pick up litter and debris. This activity is an effective measure to prevent pollutants from entering water bodies and is of particular benefit at Lakewood Park, which is adjacent to Great Brook Reservoir. The Park and Reservoir are near the intersection of Lakewood and Farmwood Roads, where large quantities of litter tend to accumulate.

This BMP has been implemented by the City of Waterbury, and is on-going.

6.2 Sweep Streets at Least Once a Year as Soon as Possible After Snowmelt

The City of Waterbury Street Sweeping Program began on March 28, 2016 and was completed on mid June, 2016. This was completed entirely by City staff and included all schools and municipal facilities.

Throughout the rest of the year targeted neighborhoods including the downtown business district are swept more frequently.

This BMP has been implemented by the City of Waterbury, and is on-going.

6.3 Evaluate Urbanized Area for Possible Sweeping More than Once a Year

Currently, areas swept more than once per year include streets in the downtown area and those streets frequented by the public for community functions. Additional street sweeping is conducted prior to special events such as road races, walk-a-thons, parades and large funerals and when needed to remove sediment that accumulates from an extraordinary storm event.

This BMP has been implemented by the City of Waterbury, and is on-going.

6.4 Develop a Program to Evaluate and Clean Stormwater Structures at Least Once a Year

The City has approximately 6,000 catch basins. Through the use of City staff and a contracted vendor the City of Waterbury cleaned approximately 1,700 catch basins following a rotating schedule of Public Works Districts. The City continues to monitor the 18 trash extruders installed in catch basins in high litter areas. The success of this program continues to be evaluated.

In addition, the City cleaned catch basins observed to be full based on resident or department work reports or complaints; The City has a designated catch basin cleaning crew during the spring.

The City has implemented a citizen service request and work order tracking program called QAlert that includes a mobile app (iReportWTBY) for public use with GPS and mapping information. Use of this system aids the City in quantifying annual catch basin maintenance, including cleaning and repairs. The tracking system also records street sweeping and blight complaints.

This BMP has been implemented by the City of Waterbury, and is on-going.

6.5 Develop Program to Evaluate and Prioritize System for Upgrade and/or Repair

Waterbury Bureau of Streets maintains and replaces storm sewer system components on an as needed basis, as determined by the City Engineer. Problems alleviated by such improvements include minor street flooding, nuisance flooding, and storm drain system failures.

The Public Works Department continues to repair storm drains throughout the City, as needed. The City developed an updated manhole frame and cover standard detail as part of their on-going efforts for City drainage improvements. This detail was provided in the 2009 MS4 Annual Report.

This BMP has been implemented by the City of Waterbury, and is on-going.

6.6 Inform Non-Public Works Departments of Good Housekeeping Measures

The Public Works Department previously informed non-public works departments (that have the potential to impact the storm sewer system) of the requirements of the MS4 General Permit. Good housekeeping practices were suggested for those departments to help prevent pollution of the City's storm sewer system. The letter was sent November 30, 2010 and included in the 2010 MS4 Annual Report.

This BMP has been implemented by the City of Waterbury.

6.7 Blight Task Force

The City of Waterbury Blight Task Force (BTF) was created in January 2012 by Mayor O'Leary and Police Chief Gugliotti to address the blight issues, including litter control.

The BTF has implemented the following to date:

- Conduct weekly meetings to address blight concerns chaired by the Police Department lieutenant. Meeting attendees include representatives from the Police Department Community Relations Division, Fire Marshal's Office, Health Department, Waterbury Development Corporation, Department of Inspections, and Public Works Department.
- Effective October 1, 2012 those violating the City of Waterbury Blight Ordinance will be subject to a Misdemeanor Summons requiring an appearance in Housing Court.
- Blight & Litter Awareness lesson plan rolled out at the end of the 2011-2012 school years.
- Slogan and logo contest, partnered with the Board of Education (BOE) with the winning slogan being "Fight Blight Day & Night". The slogan and logo was advertised on public buses, billboards, t-shirts, and bumper stickers that were applied to every marked City vehicle.
- A "Quick Response Team" made up of members of the Blight Crew, Street Dept. and Refuse Dept. to perform daily checks to areas prone for dumping and to respond quickly to any blight situations that arise was implemented.

In 2016 the City of Waterbury collected 258 tons of municipal solid waste from blight.

This BMP has been implemented by the City of Waterbury, and is on-going.

7.0 MONITORING

7.1 Outfall Monitoring

MS4 Outfall monitoring samples were collected on October 27, 2016. Stormwater Monitoring Reports for this sample collection are included in Appendix H. The sampling outfall location map, generated by the COGCNV, is also attached in Appendix H.

7.2 Annual Report

This Annual Report is submitted pursuant to the Connecticut General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems. The City of Waterbury holds registration number GSM000094.

APPENDIX A

“Do Not Feed the Geese” Sign

DO NOT

FEED

THE

GEESE

APPENDIX B

Mayor's Citizen Service Center Webpage

City Of Waterbury

Citizens Service Center

The Citizens Service Center (CSC) provides Waterbury residents with a centralized location for complaints, service and information requests. The CSC not only acts as a Help Desk for residents by answering routine questions and providing information on any number of issues, but it also logs in complaints and service requests, forwarding them to the appropriate department for action and resolution. The CSC office is located on the first floor of City Hall, and can be contacted by calling 311 or 203-597-3444.



[Search the Knowledgebase](#)

Access general information such as Garbage or Recycling policies, the process of obtaining a Building Permit, or how to obtain an Animal license or Park Pass, or log in to check a service request status.



[Submit a Service Request](#)

Request for a service such as a pothole repair, missed garbage, streetlight out, or abandoned vehicle.



Download iReportWTBY on your Smartphone



or

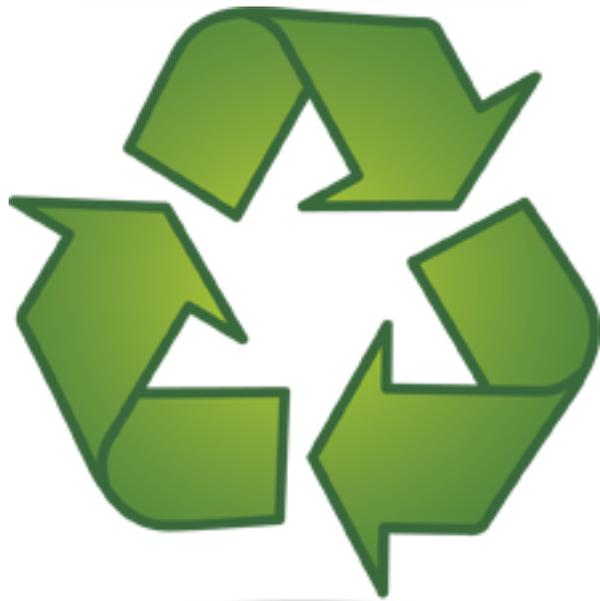


Call 311[®] or 203-597-3444

If you prefer to call us during regular business hours, our Citizens Service Center number is 311 or 203-597-3444. We look forward to hearing from you.

APPENDIX C

Waterbury Recycles Brochure



WATERBURY RECYCLES

SINGLE STREAM
RECYCLING IS
EASY

Just place ALL your recyclable
materials in your recycling bin
NO SORTING



How does Waterbury benefit from recycling?

Help keep Waterbury Clean

Be Good to the Environment

Every ton of disposables that we recycle is a
ton of trash that we do not have to pay to dis-
pose of.

Recover and Re-Use Eliminate Waste



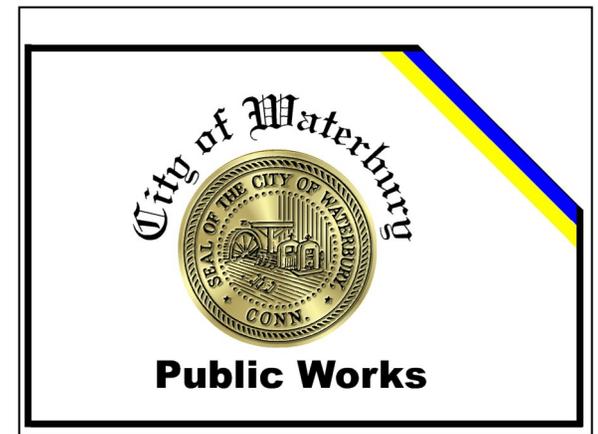
For answers to your questions about
recycling please call the Bureau of Refuse
(203) 574-6857



Working Together

for a

Better Waterbury



WATERBURY



RECYCLES

City of Waterbury
Public Works Department

Phone: 203-574-6851

Fax: 203-574-8277

E-mail: publicworks@waterburyc.org



WHAT CAN I RECYCLE?

Single-stream recycling

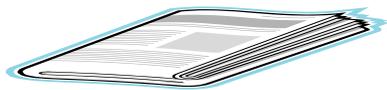
There is no need to separate your recyclables. The bureau collected 3,400 tons of recyclable materials and continues to encourage residents to be more conscientious in our efforts to recycle.

Below are recycling guidelines:

RECYCLABLES : to be placed in orange bin and placed on curb evening before collection.

Paper (newspaper, junk mail, magazines, catalogs & envelopes)

Clean cardboard and box board cracker boxes, pasta boxes, shoe boxes & other similar items.



Office & School paper. Paper bags

Aluminum cans & clean foil, tin & steel cans

Empty **Glass** jars and bottles

All **plastic containers** Labeled #1 through #7

Plastic food, beverage, soap & shampoo



WHAT IS NOT RECYCLABLE

NO garbage

NO plastic bags

NO food waste

NO food-tainted items (used paper plates or boxes, paper towels or napkins)

NO pizza boxes

NO polystyrene or styrofoam

NO motor oil bottles

NO hazardous chemical containers

NO plastic toys or sporting goods

NO foam egg cartons

NO light bulbs

NO pots or pans

NO black plastic containers

NO wax or plastic-coated cardboard

NO medicine or medication bottles

BE GREEN

ALL CONTAINERS SHOULD BE
EMPTY AND CLEAN



The Public Works Department conducts the Electronic Recycling program at the Mark Lane Transfer Facility. Residential electronic waste products listed below can be dropped off and disposed of in an environmentally safe manner at no charge at the Mark Lane Transfer Facility during normal working hours.

Accepted Electronic Devices:

Televisions (CRT Based & Flat Screen)

Computer Monitors (CRT & Flat Screen)

Computer Towers

Laptops

Printers

Computer Peripherals & Small Electronic Equipment:

Document Scanners Electronic Keyboards

Electronic Mice & Pointing Devices

VCRs/Digital Video Recorders

Portable Digital Music Players (i.e. iPods / MP3)

DVD Players Digital Converter Boxes

Cable or Satellite Receivers

Electronic or Video Game Consoles

Cell Phones Digital Cameras

PDAs/ Calculators

Stereo & Radio Equipment

Speakers

Telephones and telephone equipment

Typewriters

Microwave/Toaster ovens and coffee machines, etc.

Non Accepted Devices:

NO Mercury Based Smoke Detectors

NO Refrigerants (refrigerators, air conditioners, etc.)

NO Household Hazardous Materials (i.e. lighter fluid, paint, oils, etc.)

APPENDIX D

Public Notice for Annual Report

RepublicanAmerican

389 Meadow Street • Waterbury, CT 06702 • 1-800-992-3232

Classified Advertising Proof

Account Number: 38044

Order Number: RA0745192

Willetta Capelle
CITY OF WTBY BUERAU OF ENGINEERING
26 KENDRICK AVENUE
WATERBURY, CT 06702
203-574-6851

Title: Republican-American | **Class:** L-Legal -Public Notice 019

Start date: 12/9/2016 | **Stop date:** 12/9/2016 |

Insertions: 1

Title: Rep-Am.com | **Class:** L-Legal -Public Notice 019

Start date: 12/9/2016 | **Stop date:** 12/9/2016 |

Insertions: 1

Notice of Availability

The City of Waterbury has prepared its 2016 MS4 Annual Report describing the activities conducted and accomplishments made by the City pursuant to the requirements of Connecticut Department of Energy and Environmental Protection General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4). The draft Annual Report is available for public review and comment prior to submission to the Connecticut Department of Energy and Environmental Protection during regular business hours at the Public Works Department at 185 South Main Street. The report is available for public review and comment for 30 days from the date of this notice. Individuals wishing to comment on the Annual Report should submit written comments to the City of Waterbury, Public Works Department, Bureau of Engineering, Attn. Willetta Capelle, 185 South Main Street, First Floor, Waterbury, CT 06706. Inquiries should be directed to Willetta Capelle, (203) 574-6851.

R-A December 9, 2016

Total Order Price: \$95.12

Please call or send an email by 3pm to approve or to make changes.

(No call back will result in your ad running as it appears on this proof.)

Advertisements placed on CTJobs.com, AfterCollege.com and Recruitment Networks run for 30 days

Salesperson: Jason | **Printed on:** 12/8/2016

Telephone: 203-574-3636 ext 1166 | **Fax:** 203-754-0644

APPENDIX E

Earth Day Announcement



**If they can
do it...**



2016 EARTH DAY CLEANUP

SATURDAY, MAY 7 (RAINDATE: MAY 14)

**MEET: 8:30 A.M. at the
SEARS AUTOMOTIVE
LOT on UNION ST.**

Receive bags, gloves, a ticket for a Frankie's Hot Dog Lunch and Crystal Rock Water. Bring your own rakes and shovels.

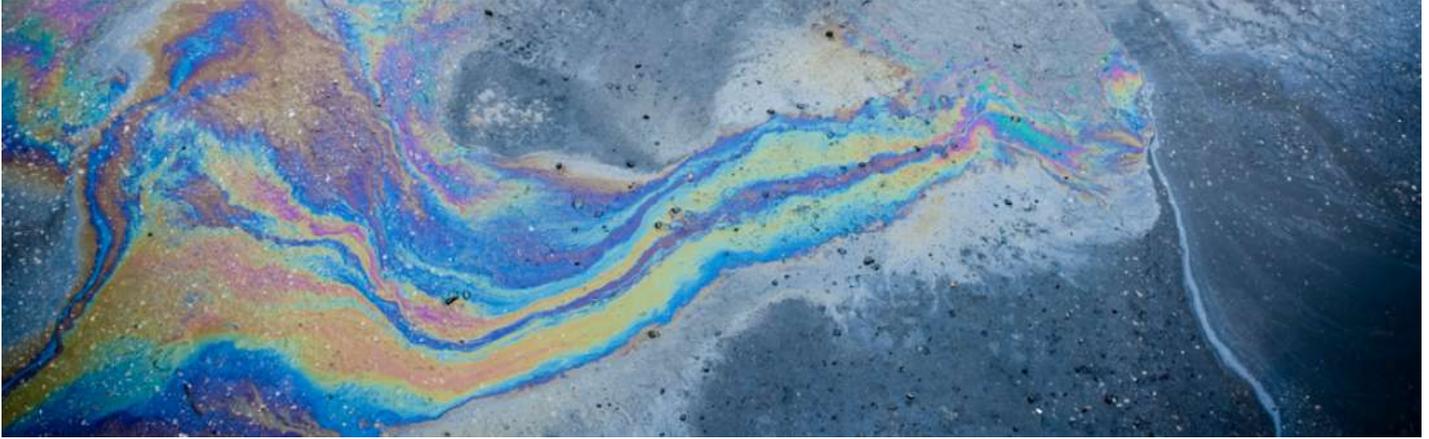
**PICK UP LITTER
FROM 9-NOON.
12:00-MEET AT
FRANKIE'S ON
WATERTOWN AVE
TO HAVE LUNCH--
TOGETHER!!**

Our thanks to LT Daniel Lauer, The Honorable Mayor Neil O'Leary. The Police Activity League(PAL), Frankie's, Crystal Rock, Brass Mill Center Management, NorthEast Transportation, Public Works The Republican-American, The WaterburyObserver, WATR 1320 Radio, Rubis Collado for Spanish translation and mostly...**YOU!!!!**

Presented by the Litter Control and Beautification Commissioners of Waterbury!

APPENDIX F

Household Hazardous Waste NVCOG Information



Household Hazardous Waste (HHW)

NVCOG administers a ten-town Household Hazardous Waste collection region for residents of Beacon Falls, Bethlehem, Middlebury, Naugatuck, Oxford, Southbury, Thomaston, Waterbury, Watertown, and Woodbury. HHW events give residents the opportunity to properly dispose of hazardous materials that are commonly used in the home including paint, pesticides, household cleaners, poisons, and chemicals. The goal of the program is to keep potentially hazardous waste out of local landfills and sewers, providing extra protection for wetlands and waterways. Three [hazardous waste disposal days](#) are held annually. The dates and locations for 2016 Events can be found below.

Date	Event Location	Address
April 23, 2016	Beacon Falls, Beacon Hose Co. No. 1	35 N Main St, Beacon Falls, CT 06403
July 9, 2016	Waterbury, Kennedy High School	422 Highland Ave, Waterbury, CT 06708
October 8, 2016	Bethlehem, Bethlehem Elementary School	92 East St, Bethlehem, CT 06751

Events start at **8:00 a.m.** and end promptly at **2:00 p.m.**

There is a cap of 50 lbs. or gallons of waste per resident unless arrangements are made in advance. If you think you might exceed this limit, send an email with your name, address, and type of waste to hhw@nvcogct.org by Monday before the collection date.

Click [here](#) for a list of acceptable and unacceptable items at HHW events.

For more information on how to properly dispose of common household items, check out our "[How Do I Dispose of](#)" brochure.

NAUGATUCK VALLEY COUNCIL of GOVERNMENTS
49 Leavenworth Street, 3rd Floor, Waterbury, Connecticut 06702
203-757-0535 or 203-735-8688 | nvcogct@nvcogct.org | [Directions](#)

Follow us on Facebook 

[Privacy & Use](#) | [Copyright Statement](#) | [Site Map](#)

ACCEPTABLE ITEMS	UNACCEPTABLE ITEMS
<p>Home Materials</p> <p><i>Kitchen</i></p> <ul style="list-style-type: none"> • Drain cleaners • Oven cleaners • Floor cleaners • Waxes, polishes, and cleaners <p><i>Bathroom</i></p> <ul style="list-style-type: none"> • Toilet bowl cleaners • Fingernail polish removers • Disinfectants • Hair color • Aerosol deodorant <p><i>Laundry</i></p> <ul style="list-style-type: none"> • Detergents • Spot removers • Spray starch • Chlorine bleach <p><i>General Household</i></p> <ul style="list-style-type: none"> • Lead based paint • Lighter fluid • Rug & upholstery cleaners • Aerosol cans • Adhesives • Carbon tetrachloride • Chlordane • Acids and bases • Oxidizers • Chemicals • Chemistry sets • Photo chemicals • Mothballs • Septic tank degreasers • Wood & metal cleaners • Fluorescent light bulbs • Alkaline batteries • Mercury thermometers <p>Automotive Materials</p> <ul style="list-style-type: none"> • Transmission fluid, fuel, and oil additives • Grease and rust solvents • Carburetor and fuel injection cleaners • Gasoline and diesel fuel • Freon • Brake fluid • Starter, lubricating, and radiator fluids • Antifreeze <p>Yard and Garden Materials</p> <ul style="list-style-type: none"> • Fertilizers • Pool chemicals • Sevin • Herbicides, insecticides, and pesticides • Poisons • Fungicides/wood treating chemicals • Flea/tick powder or spray 	<ul style="list-style-type: none"> • NO Car and lead acid batteries • NO Tires • NO Waste motor oil • NO Empty aerosols or other empty containers of any kind • NO Smoke detectors • NO Shock sensitive materials • NO Radioactive materials • NO Compressed gas cylinders • NO Asbestos • NO Lead dust or lead paint chips • NO Joint compound • NO Sand blasting grit • NO Explosives (ammunition, fireworks, explosives, flares, picric acid, etc) • NO PCBs, DDT • NO Dioxin/dioxin forming materials, pesticides containing 245 T, Silvex • NO Infectious or biological wastes (as defined by the CT State Department of Health) • NO Medicines/syringes • NO Commercial or industrial waste
	<p style="text-align: center;">ACCEPTABLE PAINT PRODUCTS</p> <p>Interior and Exterior Architectural Paints</p> <ul style="list-style-type: none"> • Latex • Acrylic • Water-based • Alkyd • Oil-based • Enamel (including textured coatings) <p>Other Paint Products</p> <ul style="list-style-type: none"> • Primers, sealers, and undercoaters • Stains • Shellacs, lacquers, varnishes, and urethanes (single component) • Waterproofing concrete, masonry, wood sealers and repellents (no tar or bitumen based) • Metal coatings • Rust preservatives • Field and lawn paints <p style="text-align: center;"><i>Containers larger than 5 gallons will not be accepted</i></p>



How do I Dispose of.....



Light Bulbs

Compact fluorescent light bulbs (CFLs) can be recycled at home improvement stores such as Lowes and Home Depot. CFLs and fluorescent tubes may be accepted at your local transfer station



Oil-Based Paint

Oil based paints, stains, primers, sealers, thinners and aerosols can be disposed of at HHW collections, participating transfer stations, and paint retail stores. To find a paint drop-off location near you, visit : <http://www.paintcare.org/locator/index.php>



Latex Paint

Connecticut began a statewide paint recycling program in July 2013. Latex paint will now be accepted at HHW collections, participating transfer stations and paint retail stores. To find a paint drop-off location near you, visit : <http://www.paintcare.org/locator/index.php>



Batteries

Rechargeable batteries can be recycled at electronics retailers, home improvement stores, transfer stations, and HHW collections. Alkaline batteries are not considered hazardous and can be disposed of in the regular trash. Car batteries can be brought to your local transfer station or any retailer who sells automotive batteries in the state.



Household Cleaners

Household cleaners such as bleach, disinfectants, kitchen/bathroom cleaners, detergents, waxes, and polishes can be disposed of at HHW collections.



Automotive Products

Automotive products such as fuel additives, break and rust solvents, engine cleaners, gasoline and diesel fuel, Freon, brake fluid, and antifreeze can be disposed of at HHW collections.



Mercury-Containing Products

Mercury-containing products such as thermometers, thermostats, pressure measuring devices, electrical switches, and light sensors can be disposed of at HHW collections.



Lawn and Garden Products

Lawn and garden products such as pesticides, insecticides, fertilizers, herbicides, flea/tick spray, and pool chemicals can be disposed of at HHW collections.



Prescription Medications

Do NOT flush medications down the toilet or sink. This causes pollution and effects drinking water and wildlife. Contact your local pharmacy or police department about drug take-back programs in your area.



Fire Extinguishers

Most new fire extinguishers can be recharged. Older fire extinguishers may contain carbon tetrachloride and should be brought to HHW collections. Contact your local transfer station or fire department to see if they accept empty fire extinguishers



Propane Grill Tanks

Propane grill tanks can be recycled or exchanged for a small fee at gas and propane companies, Walmart, Lowes, Stop & Shop, Walgreens, and other local retailers. Contact your local transfer station to see if they accept EMPTY propane cylinders for recycling. Ensure the cylinder is EMPTY by operating with an appliance until the flame is extinguished.



Oversized Items

Contact your local transfer station to see if your town or city collects oversized items such as mattresses, furniture, and rugs.



Electronics

Electronic devices such as TVs, computers, CRT monitors, and printers can be recycled at your local transfer station. Contact your local recycling coordinator for more information. Major retailers, like Best Buy and Target, also accept cell phones and other small electronic devices at no charge.



Motor Oil

Motor oil can be disposed of at your local transfer station. Service stations may also accept motor oil. Motor oil is not accepted at HHW collections

**For More Information
Contact Your Local Transfer Station**



COUNCIL of GOVERNMENTS
CENTRAL NAUGATUCK VALLEY

APPENDIX G

Waterbury Blight Task Force Webpage

City Of Waterbury

BLIGHT TASK FORCE

Fight Blight Day and Night

To report a blight issue, please [click here](#) or call 311.

The City of Waterbury has faced a perfect storm in recent years of a deteriorating and aging housing stock, absentee landlordism, and a stagnant economy. This has put a strain on an already difficult situation of addressing the issues of blight, litter and abandoned properties. In response to these concerns, Mayor Neil M. O'Leary initiated the creation of a new Blight Task Force (BTF) in January, 2012.

The BTF works out of the [Police Dept.](#) and is staffed full time by Lieutenant Daniel Lauer, Detective Milford Hayes and Michael Gilmore from the [Waterbury Development Corporation](#). The BTF also consists of liaisons from Corporation Counsel, Fire Marshal's Office, Public Works, Community Relations, Building Dept., Health Dept., Zoning Dept., and the Mayor's Office.



The Blight Task Force worked closely with Corporation Counsel, the Housing Division of the State Attorney's Office as well as State and local legislatures to draft a Blight Ordinance that has stricter penalties and provides a uniform streamlined process

Contact Information:

Director

[Lieutenant Daniel T. Lauer](#)
(203) 346-3970

Deputy Director

[Michael Gilmore, WDC](#)
(203) 346-2607

Investigator

[Detective Milford Hayes](#)
(203) 346-3970

2014 Highlights:

- Absentee Landlords located: 101
- Prosecutorial Summonses Issued: 7
- Warrants Served: 5
- Properties Demolished: 15
- Properties Boarded: 39
- Pounds of Junk Removed: 470,753 lbs
- Bags of Litter & Brush Removed: 13,562
- Bags of Litter Removed by Mad-Vac: 407
- Number of Streets Cleaned: 3,847
- Tires Removed: 1,537
- Lawns Serviced: 83

for the issuance of blight violations that includes a clearly defined process for hearings and appeal.

During the 2012 Legislative Session, a law was passed that added a criminal penalty to the blight statute under 7-148. Effective October 1, 2012 those violating the City of Waterbury Blight Ordinance will be subject to a Misdemeanor Summons requiring an appearance in Housing Court. Additionally, the City passed a [landlord registration ordinance](#) that requires any landlord not living in the physical property they own to register a home address, contact number and email address with the City. The purpose of this ordinance was to facilitate easier contact with landlords if an issue exists on their property that requires remediation. The ordinance also contains an amnesty period during which landlords could register their properties without paying the fee.



The BTF coordinated with the Board of Education (BOE) on the creation of a Blight and Litter Awareness lesson plan, which was rolled out at the end of the 2011-2012 school year, and will continue in the 2012-2013 school year. Moreover, a slogan and logo contest was held in partnership with the BOE with the winning slogan being "Fight Blight Day & Night". The slogan and logo was advertised on public buses, billboards, t-shirts as well as on bumper stickers that were applied to every marked City vehicle.

There is also a "Quick Response Team" made up of members of the Blight Crew, Street Dept. and Refuse Dept. to perform daily checks to areas prone for dumping and to respond quickly to any blight situations that arise.

APPENDIX H

2016 MS4 Sample Collection and Stormwater Outfall Location Map



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>City of Waterbury</u>	
Mailing Address: <u>One Jefferson Square, 185 South Main Street, 1st Floor, Waterbury, 06706</u>	
Contact Person: <u>David Simpson</u>	Title: <u>Director of Public Works</u>
Phone: <u>203-574-6851</u>	Permit Registration #GSM: <u>000094</u>

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>#1-24" RCP Naugatuck River opposite Pearl Lake</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, 6900-00-4-R13</u>	
Time of Start of Discharge: <u>Approx. 1:00 pm</u>	
Date/Time Collected: <u>10/27/15, 3:05pm</u>	Water Temperature: <u>34F</u>
Person Collecting Sample: <u>M. Fannon & M. Noryk, HRP Associates, Inc.</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>apprx.13 hrs</u>
Date of Previous Storm Event: <u>10/27/16 (last rain of 0.1 inches or greater)</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500 H+B	6.9 (SU)	Connecticut Testing Laboratories
Rain pH	4500 H+B	9.4 (SU)	Connecticut Testing Laboratories
Hardness	2340B	48 (mg/l)	Connecticut Testing Laboratories
Conductivity	2510B	23 (umhos/cm)	Connecticut Testing Laboratories
Oil & Grease	1664A	ND<5 (mg/l)	Connecticut Testing Laboratories
COD	410.4	47 (mg/l)	Connecticut Testing Laboratories
Turbidity	180.1	21.1 (NTU)	Connecticut Testing Laboratories
TSS	2540D	31 (mg/l)	Connecticut Testing Laboratories
TP	365.1	0.15 (mg/l)	Connecticut Testing Laboratories
Ammonia	350.1	0.19 (mg/l)	Connecticut Testing Laboratories
TKN	351.2	0.90 (mg/l)	Connecticut Testing Laboratories
NO ₃ +NO ₂	353.2	0.4 (mg/l)	Connecticut Testing Laboratories
E. coli	9221B	18,600 (/100ml)	Connecticut Testing Laboratories

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>David B. Simpson, Director of Public Works</u>	
(Print Name)	
Signature: <u><i>David B. Simpson</i></u>	Date: <u>12/19/16</u>



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

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

PERMITTEE INFORMATION

Town: City of Waterbury

Mailing Address: One Jefferson Square, 185 South Main Street, 1st Fl, Waterbury, 06706

Contact Person: David Simpson Title: Director of Public Works

Phone: 203-574-6851 Permit Registration #GSM: 000094

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): #2-60" RCP into Beaver Pond Brook

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): Beaver Pond Brook, 6913-00-1

Time of Start of Discharge: Approx. 1:00pm

Date/Time Collected: 10/27/16, 3:35pm Water Temperature: 34F

Person Collecting Sample: M. Noryl, M.Fannon, HRP Associates, Inc.

Storm Magnitude (inches): 0.30" Storm Duration (hours): apprx.13hrs

Date of Previous Storm Event: 9/27/16 (date of last storm 0.1" or greater)

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500 H+B	7.1 (SU)	Connecticut Testing Laboratories
Rain pH	4500 H+B	6.4 (SU)	Connecticut Testing Laboratories
Hardness	2340B	100 (mg/l)	Connecticut Testing Laboratories
Conductivity	2510B	228 (umhos/cm)	Connecticut Testing Laboratories
Oil & Grease	1664A	ND<2 (mg/l)	Connecticut Testing Laboratories
COD	410.4	30 (mg/l)	Connecticut Testing Laboratories
Turbidity	180.1	24.5 (NTU)	Connecticut Testing Laboratories
TSS	2540D	18 (mg/l)	Connecticut Testing Laboratories
TP	365.1	0.06 (mg/l)	Connecticut Testing Laboratories
Ammonia	350.1	ND<0.05 (mg/l)	Connecticut Testing Laboratories
TKN	351.2	0.64 (mg/l)	Connecticut Testing Laboratories
NO ₃ +NO ₂	353.2	0.4 (mg/l)	Connecticut Testing Laboratories
E. coli	9221B	300 (/100ml)	Connecticut Testing Laboratories

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: David B. Simpson, Director of Public Works
 (Print Name)

Signature: *David B. Simpson* Date: 12/19/14



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

Stormwater Monitoring Report Form

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Contact Person: <u>David Simpson</u>	Title: <u>Director of Public Works</u>
Phone: <u>203-574-6851</u>	Permit Registration #GSM: <u>000094</u>

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>#3-30" brick into Mad River</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>Mad River, 6914-00-3-R3</u>	
Time of Start of Discharge: <u>Approx. 1:00pm</u>	
Date/Time Collected: <u>10/27/16, 2:45pm</u>	Water Temperature: <u>34F</u>
Person Collecting Sample: <u>M.Noryk & M. Fannon, HRP Associates, Inc.</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>apprx.13hrs</u>
Date of Previous Storm Event: <u>9/27/16 (last storm with greater than 0.1")</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500 H+B	7.1 (SU)	Connecticut Testing Laboratories
Rain pH	4500 H+B	6.4 (SU)	Connecticut Testing Laboratories
Hardness	2340B	40 (mg/l)	Connecticut Testing Laboratories
Conductivity	2510B	47 (umhos/cm)	Connecticut Testing Laboratories
Oil & Grease	1664A	ND<5 (mg/l)	Connecticut Testing Laboratories
COD	410.4	74 (mg/l)	Connecticut Testing Laboratories
Turbidity	180.1	33.7 (NTU)	Connecticut Testing Laboratories
TSS	2540D	37 (mg/l)	Connecticut Testing Laboratories
TP	365.1	0.23 (mg/l)	Connecticut Testing Laboratories
Ammonia	350.1	0.25 (mg/l)	Connecticut Testing Laboratories
TKN	351.2	1.24 (mg/l)	Connecticut Testing Laboratories
NO ₃ +NO ₂	353.2	0.3 (mg/l)	Connecticut Testing Laboratories
E. coli	9221B	23,800 (/100ml)	Connecticut Testing Laboratories

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>David B. Simpson, Director of Public Works</u>	
<small>(Print Name)</small>	
Signature: <u></u>	Date: <u>12/19/16</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>City of Waterbury</u>
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Contact Person: <u>David Simpson</u> Title: <u>Director of Public Works</u>
Phone: <u>203-574-6851</u> Permit Registration #GSM: <u>000094</u>

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>#4-60" RCP west side of Cooke St/Homer Street</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>Mack Brook, 6911-00-3-R1</u>
Time of Start of Discharge: <u>NO DISCHARGE</u>
Date/Time Collected: _____ Water Temperature: _____
Person Collecting Sample: _____
Storm Magnitude (inches): <u>0.30"</u> Storm Duration (hours): <u>apprx. 13hrs</u>
Date of Previous Storm Event: <u>9/27/16 (last storm of 0.1" or greater)</u>

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH		NA	
Rain pH		NA	
Hardness		NA	
Conductivity		NA	
Oil & Grease		NA	
COD		NA	
Turbidity		NA	
TSS		NA	
TP		NA	
Ammonia		NA	
TKN		NA	
NO ₃ +NO ₂		NA	
E. coli		NA	

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>David B. Simpson, Director of Public Works</u>	
Signature: <u></u> (Print Name)	Date: <u>12/19/16</u>



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

Stormwater Monitoring Report Form

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BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

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Contact Person: <u>David Simpson</u>	Title: <u>Director of Public Works</u>
Phone: <u>203-574-6851</u>	Permit Registration #GSM: <u>000094</u>

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>#5-42" RCP E. Aurora St. at Steel Brook</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>Steel Brook, 6912-00-3-R1</u>	
Time of Start of Discharge: <u>Approx. 1:00pm</u>	
Date/Time Collected: <u>10/27/16, 1:54pm</u>	Water Temperature: <u>34F</u>
Person Collecting Sample: <u>M. Fannon & M. Noryk, HRP Associates, Inc.</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>apprx. 13hrs</u>
Date of Previous Storm Event: <u>9/27/16 (last storm of 0.1" or greater)</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500 H+B	7.6 (SU)	Connecticut Testing Laboratories
Rain pH	4500 H+B	6.4 (SU)	Connecticut Testing Laboratories
Hardness	2340B	64 (mg/l)	Connecticut Testing Laboratories
Conductivity	2510B	98 (umhos/cm)	Connecticut Testing Laboratories
Oil & Grease	1664A	8.2 (mg/l)	Connecticut Testing Laboratories
COD	410.4	95 (mg/l)	Connecticut Testing Laboratories
Turbidity	180.1	118 (NTU)	Connecticut Testing Laboratories
TSS	2540D	27 (mg/l)	Connecticut Testing Laboratories
TP	365.1	0.20 (mg/l)	Connecticut Testing Laboratories
Ammonia	350.1	0.15 (mg/l)	Connecticut Testing Laboratories
TKN	351.2	1.24 (mg/l)	Connecticut Testing Laboratories
NO ₃ +NO ₂	353.2	0.3 (mg/l)	Connecticut Testing Laboratories
E. coli	9221B	4,100 (/100ml)	Connecticut Testing Laboratories

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>David B. Simpson, Director of Public Works</u>	
(Print Name)	
Signature: <u></u>	Date: <u>12/19/16</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>City of Waterbury</u>	
Mailing Address: <u>One Jefferson Square, 185 South Main Street, 1st Floor, Waterbury, 06706</u>	
Contact Person: <u>David Simpson</u>	Title: <u>Director of Public Works</u>
Phone: <u>203-574-6851</u>	Permit Registration #GSM: <u>000094</u>

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>#6-36" RCP Clough Rd/Brook under Forrest Ridge</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>Trumpet Brook, 6912-00-3-R1</u>	
Time of Start of Discharge: <u>Approx. 1:00pm</u>	
Date/Time Collected: <u>10/27/16, 2:18pm</u>	Water Temperature: <u>34F</u>
Person Collecting Sample: <u>M. Noryk & M. Fannon, HRP Associates, Inc.</u>	
Storm Magnitude (inches): <u>0.30"</u>	Storm Duration (hours): <u>apprx.13hrs</u>
Date of Previous Storm Event: <u>9/27/16 (last storm of 0.1" or greater)</u>	

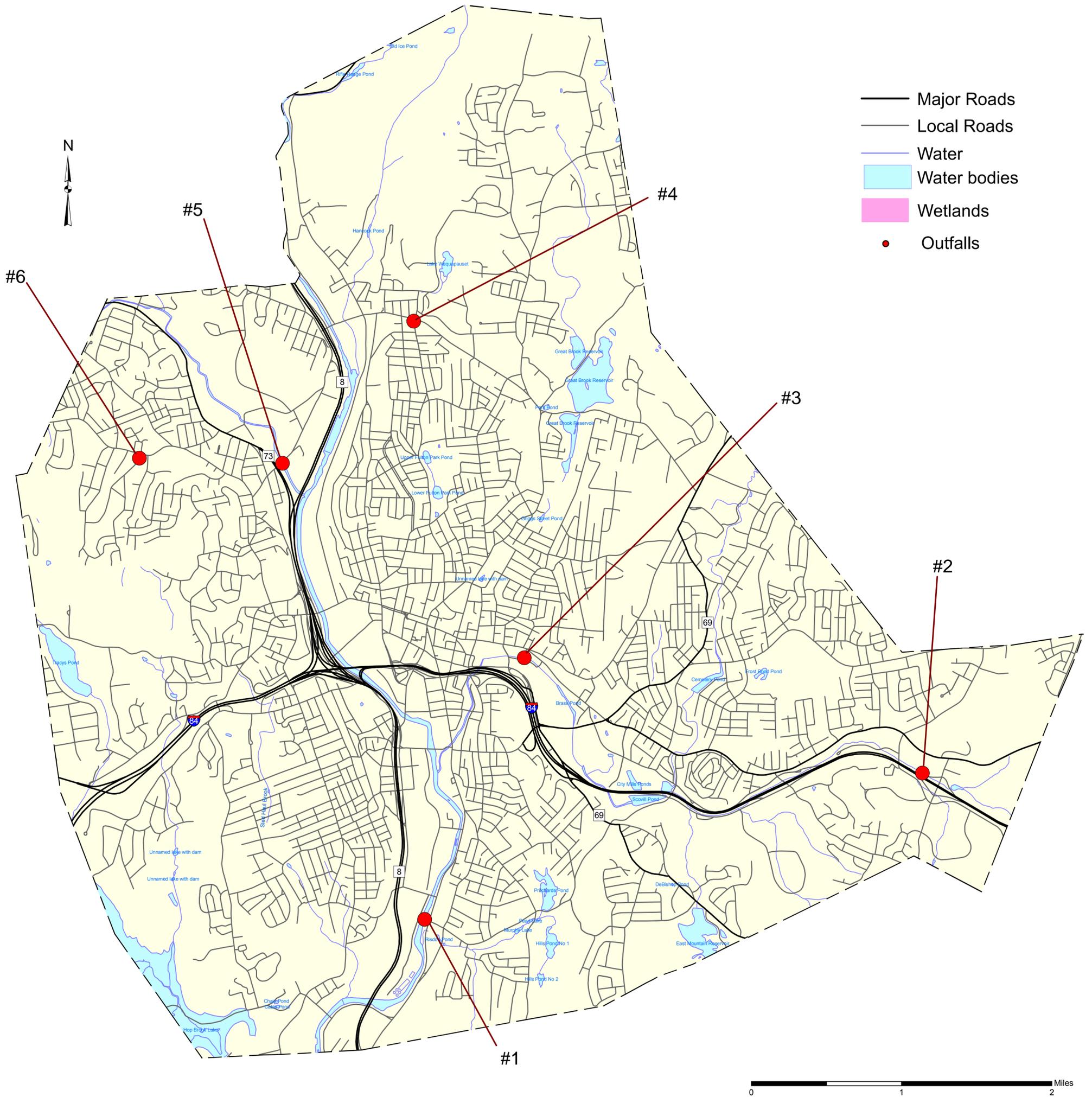
MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500 H+B	7.2 (SU)	Connecticut Testing Laboratories
Rain pH	4500 H+B	6.4 (SU)	Connecticut Testing Laboratories
Hardness	2340B	56 (mg/l)	Connecticut Testing Laboratories
Conductivity	2510B	89 (umhos/cm)	Connecticut Testing Laboratories
Oil & Grease	1664A	ND<5 (mg/l)	Connecticut Testing Laboratories
COD	410.4	29 (mg/l)	Connecticut Testing Laboratories
Turbidity	180.1	4.77 (NTU)	Connecticut Testing Laboratories
TSS	2540D	11 (mg/l)	Connecticut Testing Laboratories
TP	365.1	0.11 (mg/l)	Connecticut Testing Laboratories
Ammonia	350.1	ND<0.05 (mg/l)	Connecticut Testing Laboratories
TKN	351.2	1.07 (mg/l)	Connecticut Testing Laboratories
NO ₃ +NO ₂	353.2	1.0 (mg/l)	Connecticut Testing Laboratories
E. coli	9221B	3,900 (/100ml)	Connecticut Testing Laboratories

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>David B. Simpson, Director of Public Works</u>	
Signature: <u></u>	Date: <u>12/19/16</u>

Waterbury MS4 Sample Outfall Locations



Source: "Roads", GDT
 "Town Boundary", "Hydrography", "Wetlands", DEP
 "Urbanized Area Boundary", U. S. Census Bureau
 "Outfalls", Collected by Town

For general planning purposes only. Delineations may not be exact.
 May 2006