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report

2015 Stormwater Annual Report (Year 12)

CTDEEP General Permit for the Discharge of Storm Water from Small Municipal Separate Storm Sewer Systems (MS4)

Prepared for: Prospect, Connecticut
Registration Number: GSM# 000110

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JUNE 2016

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1. Prospect Outfall Map

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Appendix A General Permit for Stormwater – Small Municipal Separate Storm Sewer Systems
 (#GSM000110) – Town of Prospect

Appendix B Stormwater Monitoring Results

1.0 INTRODUCTION

This Annual Report comprises the Town's Stormwater Management Plan (SWMP) for 2015 (Year 12), and it was developed by the Town of Prospect for the purpose of reporting the status of compliance with the CTDEEP General Permit (GP) for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems. The report includes an assessment of the appropriateness of the identified best management practices in the SWMP and the Part B registration, and the progress towards achieving the implementation dates and measurable goals for each of the Minimum Control Measures.

Additional information contained in this report includes all other information collected and analyzed under Section 6(a)(3) of the GP collected during the reporting period, all monitoring data collected and analyzed in accordance with Section 6(h) of the GP, a summary of the stormwater activities the Town plans to undertake during the next reporting period, and any change in identified measurable goals or implementation dates applicable to program elements.

Per the Town's request, the report format is based on and follows previous formats established by preceding consultants. Similarities in language, format, content, and recommendations are intentional in order to maintain consistency with previous reports and established approaches.

On December 8, 1999, the U.S. Environmental Protection Agency (USEPA) promulgated Phase II of its National Pollution Discharge Elimination System (NPDES) stormwater regulations. Phase I of the USEPA stormwater program established regulations for stormwater discharges from municipal separate storm sewer systems (MS4s) in municipalities with populations of 100,000 or greater, construction activities disturbing five or more acres of land, and ten categories of industrial facilities. The Phase II Final Rule expands the Phase I program by requiring smaller communities with MS4s in urbanized areas to implement programs and practices to control polluted stormwater runoff through the use of NPDES permits.

The Town of Prospect is one of 130 municipalities in Connecticut that are located either completely or partially within an urbanized area. These communities were mandated to seek permit coverage with the Connecticut Department of Energy and Environmental Protection's (CT DEEP) Phase II Stormwater Program. CT DEEP issued the final General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems on January 9, 2004.

Compliance with the MS4 permit was a two-part process. The first part (Part A – General Permit Registration) was the submission of a registration form including primarily administrative information and basic mapping. The CT DEEP issued the Town of Prospect a General Permit for Stormwater – Small Municipal Separate Storm Sewer Systems (#GSM000110) on August 24, 2004. A copy of the permit is included as **Appendix A**. The second part of the process is the submission of a Stormwater Management Plan (SWMP) which was received by the CT DEEP in July 2004. Although the Town of Prospect currently implements many of the elements of a successful Stormwater Management Program, to be fully compliant, the Town must implement additional measures. The SWMP addresses how the Town will comply with the six minimum control measures required by the NPDES permit. These six minimum measures include:

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Good Housekeeping/Pollution Prevention

As required by the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, this Annual Report outlines the Town's compliance with the general permit, provides an assessment of the appropriateness of the identified best management practices and the Town's progress towards achieving the implementation of each minimum control measure, provides copies of all monitoring data which may have been collected and analyzed, summarizes stormwater activities the Town plans to undertake during the next reporting cycle, and outlines any change in identified measurable goals, implementation dates, or other changes.

2.0 PUBLIC EDUCATION AND OUTREACH

2.1 Education to the Public

The Town of Prospect is in the process of developing program-specific education materials. The Town, in partnership with other governmental agencies, businesses, concerned citizens, and community organizations (such as the Quinnipiac River Watershed Association), has contributed the following public education and outreach efforts:

a. Brochures on environmental topics protecting stormwater such as:

- Bristol Resource Recovery Facility Operating Committee and Tunxis Recycling Operating Committee, Household Hazardous Product Disposal Information.
- Bristol Resource Recovery Facility Operating Committee and Tunxis Recycling Operating Committee, Recycling Guide.
- Town of Prospect, Recycling Notification. Sent annually to notify residents of the Town's recycling schedule.

b. Regional School District 16 which serves the Town of Prospect participates in ***Project Periphyton***, an educational and water quality monitoring program designed for high school students studying biology, chemistry, environmental science, and/or marine science. Students use authentic scientific methods and materials to study the algal communities (i.e. periphyton), aquatic habitat conditions, and water quality of freshwater streams during the spring and fall. In addition, students work with scientific professionals during the second half of the program to study the biology, chemistry, and geology of Long Island Sound. Students participating in the program gain skills and knowledge, allowing them to assess the quality of local freshwater bodies as well as the marine environment.

The protocols contained within this program are modeled after existing state and federal chemical and biological monitoring protocols. Samples collected by each school are prepared according to State standards and submitted to the Connecticut Department of Energy & Environmental Protection for analysis and inclusion in State water monitoring efforts. By providing students with this unique experience, it is envisioned that they will develop an increased awareness of the environmental threats facing the Housatonic River watershed, which will help them to foster a desire to protect the environment.

c. The Town's **Stormwater Management Plan website** remains available for visitors to the Town's website, and can be accessed at: <http://www.townofprospect.org/mayor/stormwater.html>. In addition to accessing the Town's Stormwater Management Plan, the site also offers access to the following resources:

For more information regarding Storm Water Projects in the area as well as other information about the environment, please visit the following websites:

- *Connecticut Department of Energy and Environmental Protection*
- *Quinnipiac River Watershed Association*
- *U.S Environmental Protection Agency*

d. The Quinnipiac River Watershed Association has a multitude of educational publications available to Prospect residents on their webpage (www.qrwa.org) such as the following:

- Residential Pesticides: Properties and Risks to Humans and the Environment.
- Muddy Waters, which discuss the dangers of excessive sediments in streams and the sources of those sediments (i.e., soil erosion from stormwater runoff)
- The current Quinnipiac River Watershed Association Newsletter describing the organization's latest activities and news.

e. The Housatonic Valley Association offers a multitude of educational publications available to Prospect residents via their webpage (www.hvatoday.org), such as the following:

- Help Keep our Waterways Clean: Teaching people easy ways to stop storm drain pollution where it starts – in our own neighborhoods and back yards.
- Special Report – Polluted Runoff: YOU can stop it!
- Sound Science: Helping Connecticut students gain a greater awareness about how activities occurring in their own towns and backyards can impact the health of Long Island Sound.

2.2 Education Materials Distributed

The brochures outlined in Section 2.1 are available to the citizens of Prospect at the Town Hall or via the various websites noted. The Town's webpage also contains additional information regarding a variety of environmental items such as the Town's recycling program and household hazardous waste collection.

2.3 Workshops/Meetings Held

Although the Town of Prospect Conservation Commission scheduled meetings monthly on the 3rd Thursday of each month, few meetings were held during 2015 due to lack of quorum. Meetings that are held are open to the public, and are held primarily to discuss actions of the Commission. Minutes of the January 15, 2015 meeting are available on the Commission's website.

2.4 Miscellaneous

The Town is a member of the Quinnipiac River Watershed Association. Per a Connecticut mandate and Town regulation, all businesses in Town are required to participate in a recycling program.

2.5 Modifications to Plan

There are no modifications to the public education component of the Stormwater Management Plan under consideration at this time.

2.6 Activities Scheduled for 2016

- The Town will continue to support Region 16's participation in Education Connection and the related ***Project Periphyton*** for students in the region.
- The Town will consider meeting with the Quinnipiac River Watershed Association and/or the Housatonic Valley Association to determine if the organizations can provide copies of their stormwater preservation materials. These materials, if made available, can then be printed for distribution to Town residents and businesses.
- The Town will consider engaging the Conservation Commission to gauge interest for drafting an article (or series of articles) regarding stormwater and/or environmental preservation.

3.0 PUBLIC PARTICIPATION

3.1 Notices Published

Public Notices and/or articles were published in the local newspaper as follows:

- April 18, 2015 informing the public of the onset of spring street sweeping of the 62 miles of roadways in the town.
- August 10, 2015 informing the public of the construction of new storm drains on Straitsville Road.
- September 14, 2015 informing the public of construction activities on several roads, including milling & paving operations with drainage system improvements.

3.2 Workshops/Meetings Held

Although the Town of Prospect Conservation Commission scheduled meetings monthly on the 3rd Thursday of each month, few meetings were held during 2015 due to lack of quorum. Meetings that are held are open to the public, and are held primarily to discuss actions of the Commission. Minutes of the January 15, 2015 meeting are available on the Commission's website.

3.3 Web Site

In Year 12, the Town's website continues to be maintained with links to the Town's Stormwater Management Plan, annual reports (upon completion), and other water quality related information. Other links that are included on the Town's website are for the Quinnipiac River Watershed Association, CT DEEP and USEPA's stormwater page.

3.4 Modifications to Plan

There are no modifications to the public participation component of the Stormwater Management Plan under consideration at this time.

3.5 Activities Planned for 2016

- The Town will continue to work with the partnership of governmental agencies, businesses, concerned citizens, and community groups such as the Quinnipiac River Watershed Association and Regional School District to participate in their environmental work as well as to sponsor and support cleanup projects and environmental events.
- Meet with the Regional Education Department to explore developing a program to educate both Prospect's children and parents about the Town's ongoing stormwater management efforts.

4.0 ILLICIT DISCHARGE DETECTION/ELIMINATION

4.1 Illicit Discharge Investigation Activities

The Town of Prospect has established procedures for logging and responding to complaints associated with illicit discharges. The Town has incorporated procedures that include information received from the local Health Department and other government and citizen groups and agencies. Illicit discharges will be documented by the DPW and/or the Mayor's office as they are detected and reported. The documentation (i.e., log, file, or other appropriate format) will include but is not limited to the following information:

- Location
- Type
- Date Identified
- Identified By
- Estimated Flow
- Scheduled for Repair/Action

The documentation will be kept at the Town Hall located at 36 Center Street, Prospect, Connecticut. The information will be accessible to the public during normal business hours Monday through Friday. The Town's clerical staff will be responsible for accepting and recording any public written or telephone complaints for potential illicit discharges. These complaints will be referred through the Department of Public Works to field personnel for proper assessment and correction (as necessary). The Town's clerical staff will also receive and record illicit discharge detection information received from other Town Departments including the Mayor's Office and Inland-Wetlands Commission and Water Pollution Control.

4.2 Illicit Discharge Removal Activities

During any storm sewer repair or replacement projects, undocumented and/or suspicious connections are removed. New storm sewer connections can be made only following receipt of a Town permit. In addition to the permit, the connection is noted in Town land records. Once an illicit discharge has been detected and documented, the Department of Public Works, in conjunction with the local Health Department or other governmental agencies, as appropriate, will take necessary actions to determine the source and eliminate the discharge as necessary. The actions taken to correct and/or eliminate the illicit discharges will then be documented in a log, file, or other appropriate format including but is not limited to the following information:

- Location
- Type
- Date Removed
- Removed By
- Cost

4.3 Storm Sewer Mapping

During the early years of this program, the Town engaged a Geographic Information System (GIS) consultant to complete a mapping needs assessment for the Town. Based on the recommendations made, the Town completed the field location, identification, and mapping of all storm water discharge locations. The GIS mapping of this system is currently maintained by the Naugatuck Valley Council of Governments (NVCOG). The outfall map, provided as Figure 1, depicts all outfalls 12 inches or greater throughout the entire Town. The GIS-based mapping is based upon a database of information that includes:

- Pipe location
- Pipe diameter
- System type (e.g., roadway drain, etc)
- Pipe material
- End Style (e.g., headwall, daylight, etc.)
- Pipe flow / quantity on the day of location (e.g., heavy, trickle, etc.)
- Flow appearance (e.g., clear, cloudy, etc.)
- Receiving water (e.g., pond, brook, box culvert, etc.)
- Presence or absence of erosion
- Presence or absence of scouring
- Date of observation
- Presence or absence of a smell
- Type of discharge area (e.g., wetland, direct to water, etc)
- Noted blockage
- Condition of outfall
- Drainage basin number
- Water quality classification
- Named receiving stream
- Named receiving lake / pond
- Distance to receiving water body

4.4 Modifications to Plan

There are no modifications to the illicit discharge component of the Stormwater Management Plan under consideration at this time.

4.5 Activities Planned for 2016

- The Town will continue to work with the partnership of governmental agencies, businesses, concerned citizens and citizen groups to develop programs to detect and eliminate illicit discharges.
- The Prospect Department of Public Works will continue its efforts with the local Health Department and other Town agencies to develop and implement the process and procedures for documenting and responding to complaints associated with illicit discharges.
- The Town's land use and health regulations will be reviewed to ensure illicit detection and elimination requirements are being met, that the Town has the ability to identify and remove illicit discharges, and for necessary changes to comply with the SWMP and the CT DEEP Phase II general permit.

5.0 CONSTRUCTION SITE RUNOFF CONTROLS

5.1 Construction Plans Reviewed

The Planning and Zoning Department and the Inland Wetlands Agency (when necessary) review construction plans for new construction, redevelopment projects, and/or alterations to ensure compliance with the Town's Soil Erosion and Sediment Control Ordinance. This review, including the review of soil erosion and sediment controls, occurs for all projects regardless of size. One third of the Town is located within a public drinking water supply watershed (3 watersheds within the political boundaries). All projects proposed within those areas must also undergo review by the applicable public drinking water provider (i.e., Connecticut Water, City of Waterbury, and South Central Regional Water Authority). Project reviews focus on the preservation of water quality and protection of drinking water supplies, including review of soil erosion and sediment controls. The Town ensures that the comments provided by the public drinking water provider are noted and changes to the project design are made by the developer.

5.2 Construction Activities Commenced

In Year 12, approximately 141 permits were granted in the Town of Prospect. This number includes all permits granted, even those for small projects with little to no land disturbance such as curb cuts.

5.3 Construction Site Inspection

On-site inspections are made by the DPW and Planning and Zoning Department staff throughout the construction process (as frequent as two to three times per week for large projects such as major subdivisions) to ensure compliance with the Town's Soil Erosion and Sediment Control Ordinance and approved construction plans. There are multiple inspectors available to complete construction site inspections. Overall, the Land Use Inspector alone completes approximately 10 to 15 inspections per week. The Land Use Inspector can act as the Town's enforcement agents. The inspectors refer to the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control as necessary. The public submitted approximately 15 construction-related complaints to the Town during the year. All valid complaints were addressed by the Town and corrected by the site contractors or developers. Enforcement actions were taken when necessary and most items/concerns were addressed by the site contractors or developers.

5.4 Modifications to the Plan

There are no modifications to the Construction Site Runoff component of the Stormwater Management Plan under consideration at this time.

5.5 Activities Planned for 2016

- The Town intends to undertake changes to the Zoning Regulations whereby current RA-1 zoning within public water supply watersheds will be “upzoned” to RA-2, which requires a larger minimum lot size. Some 350 acres of existing land will be affected by this change. Public hearings on the matter are planned for Spring 2016.
- Continue inspections and enforcement of all current regulations. Review regulations to consider including provisions for controlling construction wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes at the construction site that may cause adverse impacts to water quality.
- Construction site inspection activity will be documented, including but not limited to the following information:
 - Name
 - Site
 - Type
 - Date Reviewed
 - Date Commences
 - Date Inspected
- The Town’s regulations will be reviewed relative to soil erosion and sedimentation control requirements, and to ensure that construction projects resulting in land disturbance of greater than 1 acre will be tracked for compliance. The Town’s regulations will be reviewed for necessary changes to comply with the SWMP and the CT DEEP Phase II general permit.

6.0 POST CONSTRUCTION STORMWATER MANAGEMENT

6.1 Plan Review

The Planning and Zoning Department and the Inland Wetlands Agency (when necessary) review construction plans for post-construction stormwater management considerations as well as general water quality issues. These reviews also address open space requirements in subdivision projects. For complex engineering projects, the Town utilizes their on-call consulting engineering firm to review and comment on the project plans. Review of stormwater structures are based on guidance contained in the 2004 Connecticut Stormwater Quality Manual, as amended. One third of the Town is located within a public drinking water supply watershed (3 watersheds within the political boundaries). All projects proposed within those areas must also undergo review by the applicable public drinking water provider (i.e., Connecticut Water, City of Waterbury, and South Central Regional Water Authority). Project reviews focus on the preservation of water quality and protection of drinking water supplies, including review of stormwater controls. The Town ensures that the comments provided by the public drinking water provider are noted and changes to the project design are made by the developer.

6.2 Structures Installed

The Town prefers to take ownership of all installed stormwater structures to ensure that operation and maintenance activities are controlled and recorded. The Town is considering using swales instead of curbing in some areas. Officials are also evaluating the use of other structural stormwater treatment practices in accordance with the 2004 Connecticut Stormwater Quality Manual, as amended.

6.3 Structures Inspected

The structural control measures installed in Year 12 were inspected during construction for compliance with the approved plans. All major stormwater structures in the Town that are maintained by the DPW are inspected approximately three times per year and maintained as necessary. The 2004 Connecticut Stormwater Quality Manual, as amended, is used as a guide for operation and maintenance activities on stormwater structures. Maintenance records are retained by the DPW. The Town inspects the oil/water separator at the Town Garage weekly. The structure is cleaned as necessary by a licensed waste hauler.

6.4 Modifications to Plan

There are no modifications to the Post Construction component of the Stormwater Management Plan under consideration at this time.

6.5 Activities Planned for 2016

- The Town of Prospect will continue to develop procedures for addressing post construction BMPs for all residential and commercial projects. Construction site inspection activities will be documented including, but not limited to, the following information:
 - Project
 - Site
 - Type Structure
 - Date Installed
 - Date Inspected
- The Town's regulations will be reviewed relative to post construction stormwater management requirements and to ensure that construction projects resulting in land disturbance of greater than one acre will be tracked for compliance. The Town's regulations will be reviewed for necessary changes to comply with the SWMP and the CT DEEP Phase II general permit.

7.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING

7.1 Employee Training Conducted

The Town Garage employees receive training and are equipped to address incidental oil or petroleum spills with on-site spill response resources. In Year 12, all DPW employees were provided education regarding spill response, containment, clean up, hazard assessment, hazardous conditions and stormwater awareness. Department personnel will utilize the training and resources to address incidental on- and off-site spills. Town DPW employees also receive training and State certification as landfill and recycling attendants.

7.2 Street Sweeping

The Town hires a contractor to sweep Town roadways on an annual basis. All streets are swept at a minimum frequency of once each year beginning in the spring to remove winter road sand and other debris. All roads in the town are swept in the spring. All roads with painted striping are swept a second time during the summer, when line striping is reapplied throughout the town. During Year 12, 125 curb miles were swept at least once, representing 100% of Town roadways. Approximately 3,200 cubic yards of material were removed from Town streets during this process. Given that the Town deposited approximately 3,400 cubic yards of sand during the winter leading into Year 12, street sweeping alone prevented nearly 95% of the winter sand from reaching waters of the State. During Year 12, street sweepings were disposed of at the Town landfill. The sweepings are currently used as fill and mixed into the top course of the landfill.

7.3 Snow Removal

The Town continues to use environmentally responsible sand/salt application practices, using untreated sand/salt mixture. As stated above, the Town of Prospect applied 3,400 cubic yards of the mixture during the winter leading into Year 12. The Town has and continues to use a salt shed for covered storage of all of their deicing materials.

7.4 Catch Basin Cleaning

The Town hires a contractor to clean Town catch basins on an annual basis. The Town currently maintains a cleaning rotation in which 1/3 of all municipal catch basins are cleaned annually (approximately 700 catch basins per year), and all existing sedimentation basins are maintained by mowing and cleaning. The catch basin cleaning effort primarily occurs in the spring (lasting 2 to 3 weeks), resulting in the collection of winter debris. Chronic problem storm sewer lines may be TV inspected as necessary to determine their current condition and provide information about any problems. The DPW retains copies of all completed TV investigations. In addition, the DPW will inspect problematic drainage systems prior to forecast storm events, and will respond to nuisance flooding and other catch basin-related complaints. Supplemental to annual general cleaning, catch basin maintenance resulted in the replacement of approximately 60 catch basin frames and grates in 2015. In some cases, an entirely new catch basin structure was inserted to replace the existing basin. New catch

basins include sumps in locations where they currently do not exist. During Year 12, approximately 300 cubic yards of material was removed from the catch basins cleaned (1/3 of the Town system). In combination with street sweeping, over 90% of the sand applied to Town roadways during the 2014-2015 winter season was prevented from reaching waters of the State. The collected sediment was stored at the Town landfill. The sediments are currently used as fill and mixed into the top course of the landfill.

7.5 Construction Activities

The Highway Department conducts some construction projects that require soil erosion and sediment controls (i.e., hay bales, filter fabric sediment bags in catch basins). Appropriate controls were installed and maintained throughout the duration of these projects. The 2002 Connecticut Guidelines for Soil Erosion and Sediment Control are used as a guide by Town staff.

7.6 System Upgrades/Repairs

The Town routinely completes upgrades to the municipal storm drainage system. Approximately 3,000 feet of storm sewer piping was replaced in 2015.

7.7 Complaint Responses

Complaints to the Town regarding the general housekeeping of municipal facilities are directed to the appropriate department (usually Land Use Inspector via P&Z or Inland Wetlands) for investigation and response. Requests from the public are typically received in the early spring for prompt sweeping of winter road sand and cleaning of catch basins.

7.8 Spill Response Activities

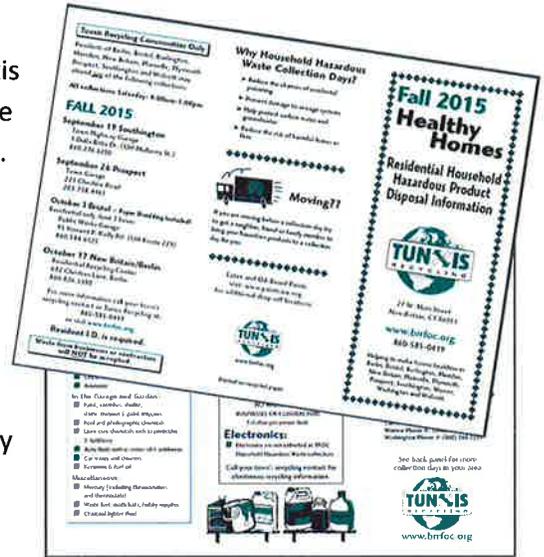
Significant spills are handled by the Prospect Fire Department. CT DEEP is notified of all spill situations as they occur. The Fire Department is prepared to respond to hazardous spills within the Town. Town staff (excluding fire fighters) did not participate in any significant spill response activities during Year 12. The DPW facility maintains spill containment supplies including Speedi-Dry, absorbent pads, and containment booms at the DPW headquarters.

7.9 Transfer Station

Managerial oversight of the Town's Transfer Station falls under the jurisdiction of the DPW. Freon is removed from bulk waste items by a certified company prior to final disposal at a certified facility. As stated above, DPW employees receive training and State certification as landfill and recycling attendants. The Transfer Station has a CTDEEP permit for the Discharge of Stormwater Associated with Industrial Activities (DEEP-PERD-GP-014). This permit required the Town to develop and implement a site specific Stormwater Pollution Prevention Plan including employee training and regular site inspections. The permit also requires the Town to collect annual water samples from the site.

7.10 Household Hazardous Waste Collection

Prospect residents are invited to bring hazardous wastes to Tunxis Recycling in Bristol for free disposal. A wide range of materials are accepted including cleaners, batteries, fertilizers, and pesticides. Tunxis Recycling also sponsors local Collection Days when residents can dispose of hazardous wastes at a more convenient, local location. In Prospect, the Public Works Garage serves as the collection location during these events. Local collection days are typically offered in Prospect every other year at during the last weekend in September. For these events, Clean Harbors operates the collection center for the day, and the Town widely advertises the event for its residents.



7.11 Municipal Facility Inspection

The Town performs routine inspections of its facilities to maintain them in a neat and orderly condition. The DPW performs weekly (minimum) inspections and cleaning of their facilities. The DPW Director and various foremen conduct these inspections. Silt sacks are maintained in the DPW Garage’s catch basins. These controls minimize the amount of sediment and floatables that are discharged from the system’s outfall. The controls are maintained and replaced as necessary. The Town Public Works Garage has a CTDEEP permit for the Discharge of Stormwater Associated with Industrial Activities (DEEP-PERD-GP-014). This permit required the Town to develop and implement a site specific Stormwater Pollution Prevention Plan including employee training and regular site inspections. The permit also requires the Town to collect annual water samples from the site.

7.12 Modifications to Plan

There are no modifications to the Pollution Prevention/Good Housekeeping component of the Stormwater Management Plan under consideration at this time.

7.13 Activities Planned for 2016

- The DPW is planning to conduct major reconstruction of Scott Road, part of which will include the design and installation of upgraded storm water controls, including new piping systems and catch basins.
- The Town is planning to remove sediment deposits from the pond in McGrath Park that have accumulated during the years due to runoff from adjacent areas.
- DPW will consider documenting all pertinent maintenance/cleaning operations.
- The DPW will continue to conducting employee training on stormwater awareness.
- The Town will continue their permit required sampling program.
- The Town will follow up on any problems identified through the discharge sampling program.

8.0 ANNUAL STORMWATER MONITORING

The CT DEEP Phase II General Permit requires annual stormwater monitoring of at least two outfalls from each of three land uses (industrial, commercial, and residential) for a total of six (6) outfall locations. Monitoring parameters, procedures, and storm event criteria are described in the General Permit. The Town has selected sampling outfalls based on the land use(s) within the drainage areas of the outfalls as well as practical considerations including accessibility and proximity to other sampling locations. The 2015 stormwater samples were collected and the results are included in Appendix B.

SECTION 9 - CERTIFICATION AND SIGNATURE

9.1 CERTIFICATION REQUIREMENTS

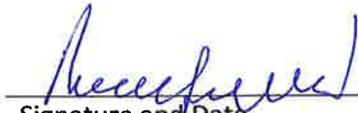
This plan and any document, including but not limited to any notice, information or report, which is submitted to the commissioner of the CTDEEP under the general permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems shall be signed by the chief elected official or principal executive officer, and by the individual or individuals responsible for preparing such document as defined in Section 22a-430-3(b) (2) of the Regulations of Connecticut State Agencies.

9.2 CERTIFICATION AND SIGNATURE

"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."

Preparer's Signature

Robert Chatfield
Mayor / Director of Public Works
Town of Prospect, Connecticut

 3 JUNE 2016
Signature and Date

Preparer's Signature

Eugene McCarthy
Assistant Director of Public Works
Town of Prospect, Connecticut

 3 JUNE 2016
Signature and Date

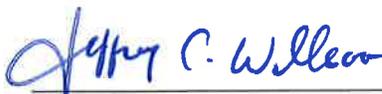
Preparer's Signature

Christopher Wester, P.E.
Vice President
Weston & Sampson Engineers, Inc.

 6-3-2016
Signature and Date

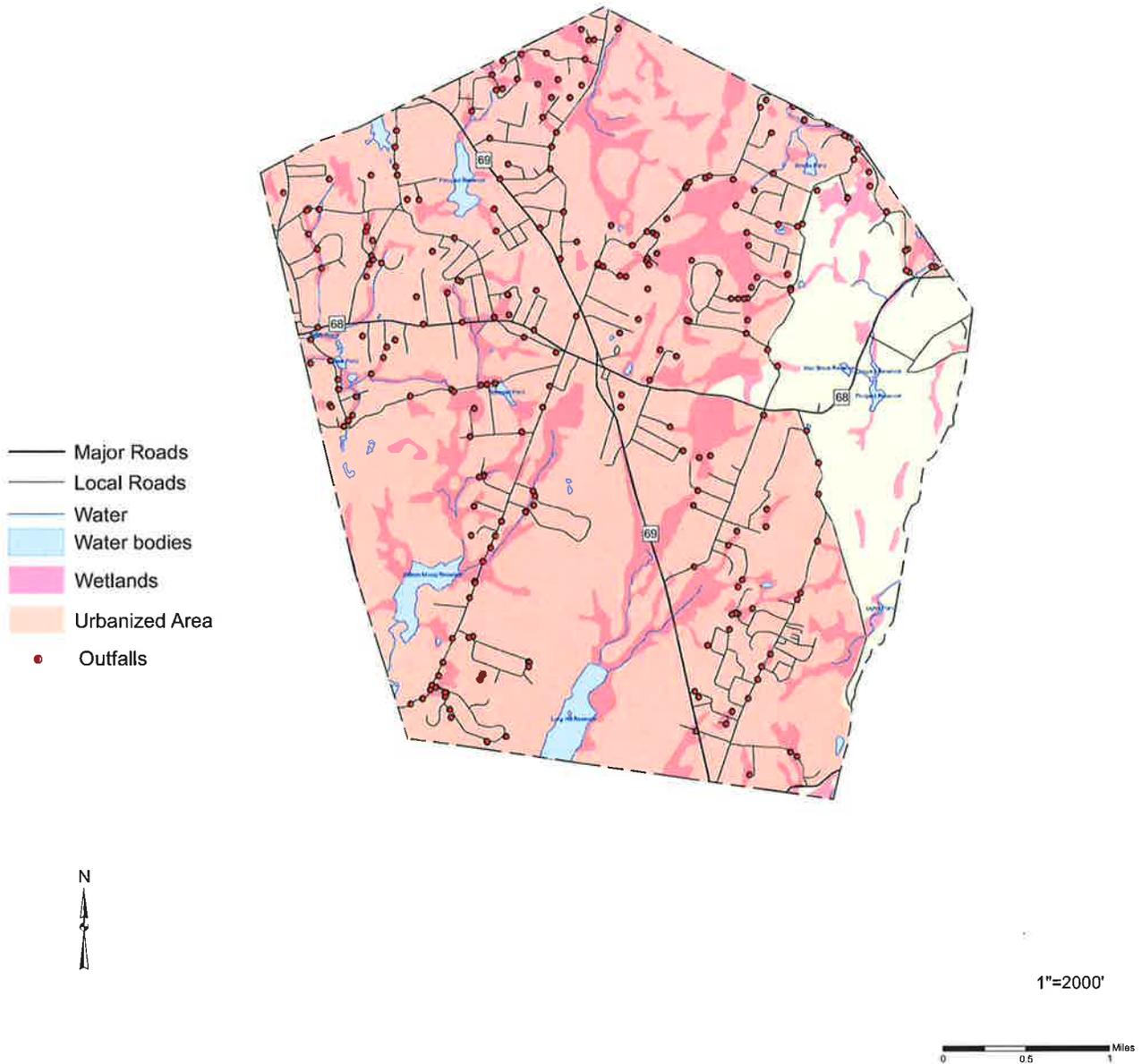
Preparer's Signature

Jeffrey Willson, LEP
Project Manager
Weston & Sampson Engineers, Inc.

 6-3-2016
Signature and Date

Prospect

Urbanized Areas and Storm Water Outfalls $\geq 15"$ in Diameter



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.
January 2006



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certificate of Registration

Issued To:

TOWN OF PROSPECT

For The

STORMWATER - SMALL MUNICIPAL SEPARATE STORM
SEWER SYSTEMS

General Permit

Arthur J. Rocque, Jr.

Facility Information
PROSPECT, TOWN OF
MS4 PERMIT
PROSPECT CT 06712

Application No.: 200402295
Issue Date: 24-AUG-04
Exp. Date: 08-JAN-09
Site No.: 115-042

PERMIT NO. 200402295

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712

Report Date..... 17-Sep-15
 EML Project ID..... 150827-PPT
 Your Project ID..... Prospect Landfill
 Quarterly Samples
 Date Sampled..... 27-Aug-15
 Date Submitted..... 27-Aug-15

cc: Chesprocott Health Dept.

Attn: Mayor Bob Chatfield

Results in mg/L unless otherwise noted.
 ND = Not Detected. NR = Not Required.

Compound	Det. Limit	MW-1	MW-2	S-1	S-2	S-3	Field Blank
Total Dissolved Solids	<1	240.	227.	157.	152.	170.	ND
Total Suspended Solids	<1	65.0	218.	40.0	93.0	43.0	ND
Alkalinity	<1	194.5	150.1	51.95	57.06	56.53	ND
Biochemical Oxygen Demand ₂₀	<1	24.9	2.4	26.4	40.9	31.9	ND
Chemical Oxygen Demand	<1	7.5	7.5	53.0	63.8	25.6	ND
Iron, Dissolved	<0.02	0.96	0.02	NR	NR	NR	ND
Iron, Total	<0.02	NR	NR	5.03	2.27	3.53	ND
Manganese, Dissolved	<0.02	0.33	0.02	NR	NR	NR	ND
Manganese, Total	<0.02	NR	NR	1.27	0.89	1.06	ND
Ammonia as N	<0.1	ND	ND	ND	ND	ND	ND
Nitrate as N	<0.1	ND	0.14	0.45	ND	0.21	ND
Chloride	<1	12.82	8.41	35.96	35.75	35.86	ND

Tab:PPT-mwp2

Technical Reviewer: *[Signature]*
 Transcript Reviewer: *[Signature]*

Title *AGM*
 Title *[Signature]*



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 17-Sep-15
 EML Project ID..... 150827-PPT
 Your Project ID..... Prospect Landfill
 Quarterly Samples
 Date Sampled..... 27-Aug-15
 Date Submitted..... 27-Aug-15
 cc: Chesprocott Health Dept.

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712

Attn: Mayor Bob Chatfield

Results in ug/L unless otherwise noted.
 ND = Not Detected.

Volatiles

Method: 601 + 602

Analyst: MCC
 Analysis Completed: 7-Sep-15 1425

Compound	Det. Limit			Field	Trip
		MW-1	MW-2	Blank	Blank
Benzene	<1	ND	ND	ND	ND
Dichlorobromomethane	<1	ND	ND	ND	ND
Bromoform	<1	ND	ND	ND	ND
Bromomethane	<1	ND	ND	ND	ND
Carbon tetrachloride	<1	ND	ND	ND	ND
Chlorobenzene	<1	ND	ND	ND	ND
Chloroethane	<1	ND	ND	ND	ND
2-Chloroethylvinylether	<1	ND	ND	ND	ND
Chloroform	<1	ND	ND	ND	ND
Chloromethane	<1	ND	ND	ND	ND
Chlorodibromomethane	<1	ND	ND	ND	ND
1,2-Dichlorobenzene	<1	ND	ND	ND	ND
1,3-Dichlorobenzene	<1	ND	ND	ND	ND
1,4-Dichlorobenzene	<1	ND	ND	ND	ND
1,1-Dichloroethane	<1	ND	ND	ND	ND
1,2-Dichloroethane	<1	ND	ND	ND	ND
1,1-Dichloroethylene	<1	ND	ND	ND	ND
Dichlorodifluoromethane	<1	ND	ND	ND	ND
1,2-t-Dichloroethylene	<1	ND	ND	ND	ND
1,2-Dichloropropane	<1	ND	ND	ND	ND
1,3-c-Dichloropropylene	<1	ND	ND	ND	ND
1,3-t-Dichloropropylene	<1	ND	ND	ND	ND
Ethylbenzene	<1	ND	ND	ND	ND
Methylene chloride	<1	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	<1	ND	ND	ND	ND
Tetrachloroethylene (PCE)	<1	ND	ND	ND	ND
Toluene	<1	ND	ND	ND	ND
1,1,1-Trichloroethane	<1	ND	ND	ND	ND
1,1,2-Trichloroethane	<1	ND	ND	ND	ND
Trichloroethylene (TCE)	<1	ND	ND	ND	ND
Trichlorofluoromethane	<1	ND	ND	ND	ND
Vinyl chloride	<1	ND	ND	ND	ND

Technical Reviewer: 

Title: 

Transcript Reviewer: 

Title: 





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: Prospect

Mailing Address: 36 Center Street, Town Hall

Contact Person: Mr. Bob Chatfield Title: Mayor

Phone: 203-758-4461 Permit Registration #GSM: 000105

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Hotchkiss Field Rt 69 / Scott Road

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): Filling Mill Brook

Time of Start of Discharge: 1300

Date/Time Collected: 10-Sep-15 @ 1300 Water Temperature: 10.2°C

Person Collecting Sample: Andrew M. Burke

Storm Magnitude (inches): 0.31" Storm Duration (hours) 5

Date of Previous Storm Event: 11-Aug-15

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-H+B	5.32 (S.U.)	EML, Inc.
Rain pH	4500-H+B	5.83 (S.U.)	
Hardness	2340B	10.10 (mg/L)	
Conductivity	2510B	26. (umhos)	
Oil & Grease	1664B	1.6 (mg/L)	
COD	5220D	147. (mg/L)	
Turbidity	2130B	43.9 (NTU)	
TSS	2540D	244. (mg/L)	
TP	4500-P E	0.08 (mg/L)	
Ammonia	4500-NH3 D	0.56 (mg/L)	
TKN	4500-NorgB	1.5 (mg/L)	
NO ₃ +NO ₂	4500-NO3 F	0.51 (mg/L)	
E. coli	m-ColiBlue24	100 (cfu/100mL)	

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: Robert J Chatfield
 (Print Name)

Signature: [Handwritten Signature] Date: 2 Oct 2015



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: Prospect
 Mailing Address: 36 Center Street, Town Hall
 Contact Person: Mr. Bob Chatfield Title: Mayor
 Phone: 203-758-4461 Permit Registration #GSM: 000105

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Rt 69 / Knapp Drive
 Please check the appropriate area description: Industrial Commercial Residential
 Receiving Water (name, basin): Bever Brook
 Time of Start of Discharge: 1300
 Date/Time Collected: 10-Sep-15 @ 1310 Water Temperature: 10.6°C
 Person Collecting Sample: Andrew M. Burke
 Storm Magnitude (inches): 0.31" Storm Duration (hours): 5
 Date of Previous Storm Event: 11-Aug-15

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-H+B	5.08 (S.U.)	EML, Inc.
Rain pH	4500-H+B	5.83 (S.U.)	
Hardness	2340B	2.42 (mg/L)	
Conductivity	2510B	14. (umhos)	
Oil & Grease	1664B	1.6 (mg/L)	
COD	5220D	50.2 (mg/L)	
Turbidity	2130B	16.8 (NTU)	
TSS	2540D	44.0 (mg/L)	
TP	4500-P E	0.11 (mg/L)	
Ammonia	4500-NH3 D	0.37 (mg/L)	
TKN	4500-NorgB	1.02 (mg/L)	
NO ₃ +NO ₂	4500-NO3 F	0.16 (mg/L)	
E. coli	m-ColiBlue24	80 (cfu/100mL)	

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: Robert J Chatfield
 (Print Name)
 Signature: [Handwritten Signature] Date: 2 Oct 2015

Report Date..... 25-Sep-15
 EML Project ID..... 150910-PPT-B
 Your Project ID..... MS4 -Stormwater
 DSN Location..... C-2
 Rt 69 / Knapp Dr.
 Date Sampled..... 10-Sep-15
 Date Submitted..... 10-Sep-15

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712
 Attn: Mayor Bob Chatfield

Results in mg/L unless otherwise noted.
 ND = Not Detected. NR = Not Required.

Parameter	Results	Det Limit	Method	Date	Completed Time	Analyst
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Wet Chemistry

Wet Chemistry

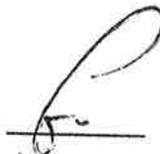
Sample pH (S.U.)	5.08		4500-H+B	10-Sep-15	1700	MCC
Hardness	2.42	<1	2340B	14-Sep-15	1644	ST
Sp. Conductivity (umhos)	14.	<2	2510B	17-Sep-15	1420	AVM
Oil & Grease, Total	1.6	<1	1664A	16-Sep-15	1700	AB
Chemical Oxygen Demand	50.2	<1	5220D	14-Sep-15	1700	AB
Turbidity (N.T.U.)	16.8	<0.02	2130B	10-Sep-15	1630	LD
Total Suspended Solids	44.0	<1	2540D	11-Sep-15	1700	AB
Phosphorus as P	0.11	<0.05	4500-P E	24-Sep-15	1030	ST
Ammonia as N	0.37	<0.1	4500-NH ₃ D	17-Sep-15	1545	LD
Total Kjeldahl Nitrogen	1.02	<0.1	4500-N _{org} B	23-Sep-15	1430	JC
Nitrate/Nitrite as N	0.16	<0.1	4500-NO ₃ F	11-Sep-15	1645	ST
E.coli (cfu/100mL)	80		m-ColiBlue 24	11-Sep-15	1600	JC

Tab:PPT

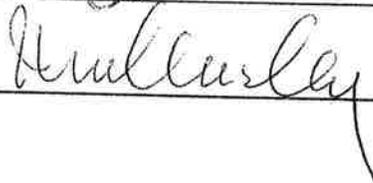
Technical Reviewer:



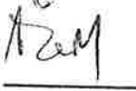
Title:



Transcript Reviewer:



Title:





ENVIRONMENTAL MONITORING LABORATORY, INC.



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: Prospect

Mailing Address: 36 Center Street, Town Hall

Contact Person: Mr. Bob Chatfield Title: Mayor

Phone: 203-758-4461 Permit Registration #GSM: 000105

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Buckley Lane / Grammar Ave.

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): Fidhine Mill Brook

Time of Start of Discharge: 1300

Date/Time Collected: 10-Sep-15 @ 1320 Water Temperature: 9.4°C

Person Collecting Sample: Andrew M. Burke

Storm Magnitude (inches): 0.31" Storm Duration (hours): 5

Date of Previous Storm Event: 11-Aug-15

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-H+B	5.77 (S.U.)	EML, Inc.
Rain pH	4500-H+B	5.83 (S.U.)	
Hardness	2340B	13.01 (mg/L)	
Conductivity	2510B	91. (umhos)	
Oil & Grease	1664B	ND<1 (mg/L)	
COD	5220D	73.8 (mg/L)	
Turbidity	2130B	112.4 (NTU)	
TSS	2540D	142. (mg/L)	
TP	4500-P E	0.11 (mg/L)	
Ammonia	4500-NH3 D	ND<0.1 (mg/L)	
TKN	4500-NorgB	ND<0.1 (mg/L)	
NO ₃ +NO ₂	4500-NO3 F	0.76 (mg/L)	
E. coli	m-ColiBlue24	380 (cfu/100mL)	

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: Robert J Chatfield
(Print Name)

Signature: [Handwritten Signature] Date: 10/8/2015

Report Date..... 25-Sep-15
 EML Project ID..... 150910-PPT-C
 Your Project ID..... MS4 -Stormwater
 DSN Location..... I-1
 Buckley Lane / Grammar Ave
 Date Sampled..... 10-Sep-15
 Date Submitted..... 10-Sep-15

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712
 Attn: Mayor Bob Chatfield

Results in mg/L unless otherwise noted.
 ND = Not Detected. NR = Not Required.

Parameter	Results	Det Limit	Method	Date	Completed Time	Analyst
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Wet Chemistry

Sample pH (S.U.)	5.77		4500-H+B	10-Sep-15	1700	MCC
Hardness	13.01	<1	2340B	14-Sep-15	1645	ST
Sp. Conductivity (umhos)	91.	<2	2510B	17-Sep-15	1420	AVM
Oil & Grease, Total	ND	<1	1664A	16-Sep-15	1700	AB
Chemical Oxygen Demand	73.8	<1	5220D	14-Sep-15	1700	AB
Turbidity (N.T.U.)	112.4	<0.02	2130B	10-Sep-15	1630	LD
Total Suspended Solids	142.	<1	2540D	11-Sep-15	1700	AB
Phosphorus as P	0.11	<0.05	4500-P E	24-Sep-15	1030	ST
Ammonia as N	ND	<0.1	4500-NH ₃ D	17-Sep-15	1545	LD
Total Kjeldahl Nitrogen	ND	<0.1	4500-N _{org} B	21-Sep-15	1630	JC
Nitrate/Nitrite as N	0.76	<0.1	4500-NO ₃ F	11-Sep-15	1645	ST
E.coli (cfu/100mL)	380		m-ColiBlue 24	11-Sep-15	1600	JC

Tab:PPT

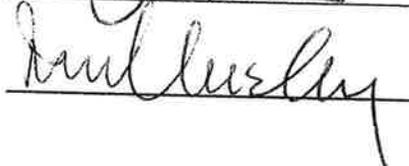
Technical Reviewer:



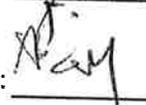
Title:



Transcript Reviewer:



Title:




ENVIRONMENTAL MONITORING LABORATORY, INC.



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: Prospect

Mailing Address: 36 Center Street, Town Hall

Contact Person: Mr. Bob Chatfield Title: Mayor

Phone: 203-758-4461 Permit Registration #GSM: 000105

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Rt 69 / Grammar Ind. Park

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): Filling Mill Brook

Time of Start of Discharge: 1300

Date/Time Collected: 10-Sep-15 @ 1330 Water Temperature: 10.9°C

Person Collecting Sample: Andrew M. Burke

Storm Magnitude (inches): 0.31" Storm Duration (hours): 5

Date of Previous Storm Event: 11-Aug-15

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-H+B	5.39 (S.U.)	EML, Inc.
Rain pH	4500-H+B	5.83 (S.U.)	
Hardness	2340B	25.39 (mg/L)	
Conductivity	2510B	80. (umhos)	
Oil & Grease	1664B	5.2 (mg/L)	
COD	5220D	63.8 (mg/L)	
Turbidity	2130B	88.7 (NTU)	
TSS	2540D	104. (mg/L)	
TP	4500-P E	0.05 (mg/L)	
Ammonia	4500-NH3 D	ND<0.1 (mg/L)	
TKN	4500-NorgB	ND<0.1 (mg/L)	
NO ₃ +NO ₂	4500-NO3 F	0.65 (mg/L)	
E. coli	m-ColiBlue24	420 (cfu/100mL)	

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: Robert J Chatfield
 (Print Name)

Signature: [Signature] Date: 20th 2015

Report Date..... 25-Sep-15
 EML Project ID..... 150910-PPT-D
 Your Project ID..... MS4 -Stormwater
 DSN Location..... I-2
 Rt 69 / Grammar Ind. Park
 Date Sampled..... 10-Sep-15
 Date Submitted..... 10-Sep-15

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712
 Attn: Mayor Bob Chatfield

Results in mg/L unless otherwise noted.
 ND = Not Detected. NR = Not Required.

Parameter	Results	Det Limit	Method	Date	Completed Time	Analyst
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Wet Chemistry

Sample pH (S.U.)	5.39		4500-H+B	10-Sep-15	1700	MCC
Hardness	25.39	<1	2340B	14-Sep-15	1646	ST
Sp. Conductivity (umhos)	80.	<2	2510B	17-Sep-15	1420	AVM
Oil & Grease, Total	5.2	<1	1664A	16-Sep-15	1700	AB
Chemical Oxygen Demand	63.8	<1	5220D	14-Sep-15	1700	AB
Turbidity (N.T.U.)	88.7	<0.02	2130B	10-Sep-15	1630	LD
Total Suspended Solids	104.	<1	2540D	11-Sep-15	1700	AB
Phosphorus as P	0.05	<0.05	4500-P E	24-Sep-15	1030	ST
Ammonia as N	ND	<0.1	4500-NH ₃ D	17-Sep-15	1545	LD
Total Kjeldahl Nitrogen	ND	<0.1	4500-N _{org} B	21-Sep-15	1630	JC
Nitrate/Nitrite as N	0.65	<0.1	4500-NO ₃ F	11-Sep-15	1645	ST
E.coli (cfu/100mL)	420		m-ColiBlue 24	11-Sep-15	1600	JC

Tab:PPT

Technical Reviewer:

Title:

Transcript Reviewer:

Title:



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 25-Sep-15
 EML Project ID..... 150910-PPT-E
 Your Project ID..... MS4 -Stormwater
 DSN Location..... R-1
 Cook Rd / Valley Rd
 Date Sampled..... 10-Sep-15
 Date Submitted..... 10-Sep-15

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712
 Attn: Mayor Bob Chatfield

Results in mg/L unless otherwise noted.
 ND = Not Detected. NR = Not Required.

Parameter	Results	Det Limit	Method	Date	Completed Time	Analyst
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Wet Chemistry

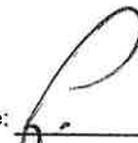
Sample pH (S.U.)	5.09		4500-H+B	10-Sep-15	1700	MCC
Hardness	5.77	<1	2340B	14-Sep-15	1646	ST
Sp. Conductivity (umhos)	53.	<2	2510B	17-Sep-15	1420	AVM
Oil & Grease, Total	1.6	<1	1664A	16-Sep-15	1700	AB
Chemical Oxygen Demand	63.8	<1	5220D	14-Sep-15	1700	AB
Turbidity (N.T.U.)	54.9	<0.02	2130B	10-Sep-15	1630	LD
Total Suspended Solids	110.	<1	2540D	11-Sep-15	1700	AB
Phosphorus as P	0.09	<0.05	4500-P E	24-Sep-15	1030	ST
Ammonia as N	ND	<0.1	4500-NH ₃ D	17-Sep-15	1545	LD
Total Kjeldahl Nitrogen	ND	<0.1	4500-N _{org} B	21-Sep-15	1620	JC
Nitrate/Nitrite as N	0.48	<0.1	4500-NO ₃ F	11-Sep-15	1645	ST
E.coli (cfu/100mL)	480		m-ColiBlue 24	11-Sep-15	1600	JC

150910-PPT

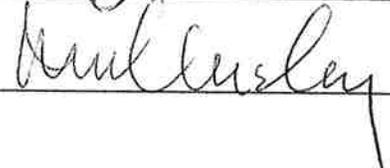
Technical Reviewer:



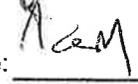
Title:



Transcript Reviewer:



Title:




ENVIRONMENTAL MONITORING LABORATORY, INC.



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>Prospect</u>		
Mailing Address:	<u>36 Center Street, Town Hall</u>		
Contact Person:	<u>Mr. Bob Chatfield</u>	Title:	<u>Mayor</u>
Phone:	<u>203-758-4461</u>	Permit Registration #GSM:	<u>000105</u>

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): <u>Talmadge Hill Road</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>Quinnipiac</u>	
Time of Start of Discharge: <u>1300</u>	
Date/Time Collected: <u>10-Sep-15 @ 1350</u>	Water Temperature: <u>10.6 c</u>
Person Collecting Sample: <u>Andrew M. Burke</u>	
Storm Magnitude (inches): <u>0.31"</u>	Storm Duration (hours): <u>5</u>
Date of Previous Storm Event: <u>11-Aug-15</u>	

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-H+B	5.51 (S.U.)	EML, Inc.
Rain pH	4500-H+B	5.83 (S.U.)	
Hardness	2340B	ND<1 (mg/L)	
Conductivity	2510B	27. (umhos)	
Oil & Grease	1664B	2.0 (mg/L)	
COD	5220D	58.5 (mg/L)	
Turbidity	2130B	44.5 (NTU)	
TSS	2540D	121.0 (mg/L)	
TP	4500-P E	0.06 (mg/L)	
Ammonia	4500-NH3 D	0.20 (mg/L)	
TKN	4500-NorgB	1.02 (mg/L)	
NO ₃ +NO ₂	4500-NO3 F	0.45 (mg/L)	
E. coli	m-ColiBlue24	400 (cfu/100mL)	

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: Robert J Chatfield
(Print Name)

Signature: [Handwritten Signature] Date: 2 Oct 2015

Report Date..... 25-Sep-15
 EML Project ID..... 150910-PPT-F
 Your Project ID..... MS4 -Stormwater
 DSN Location..... R-2
 Talmadge Hill Rd
 Date Sampled..... 10-Sep-15
 Date Submitted..... 10-Sep-15

Town of Prospect
 Town Hall
 36 Center Street
 Prospect, CT 06712
 Attn: Mayor Bob Chatfield

Results in mg/L unless otherwise noted.
 ND = Not Detected. NR = Not Required.

Parameter	Results	Det Limit	Method	Date	Completed Time	Analyst
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Wet Chemistry

Sample pH (S.U.)	5.51		4500-H+B	10-Sep-15	1700	MCC
Hardness	ND	<1	2340B	14-Sep-15	1648	ST
Sp. Conductivity (umhos)	27.	<2	2510B	17-Sep-15	1420	AVM
Oil & Grease, Total	2.0	<1	1664A	16-Sep-15	1700	AB
Chemical Oxygen Demand	58.5	<1	5220D	14-Sep-15	1700	AB
Turbidity (N.T.U.)	44.5	<0.02	2130B	10-Sep-15	1630	LD
Total Suspended Solids	121.0	<1	2540D	11-Sep-15	1700	AB
Phosphorus as P	0.06	<0.05	4500-P E	24-Sep-15	1030	ST
Ammonia as N	0.20	<0.1	4500-NH ₃ D	17-Sep-15	1545	LD
Total Kjeldahl Nitrogen	1.02	<0.1	4500-N _{org} B	23-Sep-15	1430	JC
Nitrate/Nitrite as N	0.45	<0.1	4500-NO ₃ F	11-Sep-15	1645	ST
E.coli (cfu/100mL)	400		m-ColiBlue 24	11-Sep-15	1600	JC

Tab:PPT

Technical Reviewer: [Signature]
 Transcript Reviewer: [Signature]

Title: [Signature]
 Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.



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: Prospect

Mailing Address: 36 Center Street, Town Hall

Contact Person: Mr. Bob Chatfield Title: Mayor

Phone: 203-758-4461 Permit Registration #GSM: 000105

SAMPLING INFORMATION

Discharge Location (Lat/Long or other description): Cook Road / Valley Road

Please check the appropriate area description: Industrial Commercial Residential

Receiving Water (name, basin): William's Brook

Time of Start of Discharge: 1300

Date/Time Collected: 10-Sep-15 @ 1340 Water Temperature: 11.2°c

Person Collecting Sample: Andrew M. Burke

Storm Magnitude (inches): 0.31" Storm Duration (hours): 5

Date of Previous Storm Event: 11-Aug-15

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Sample pH	4500-H+B	5.09 (S.U.)	EML, Inc.
Rain pH	4500-H+B	5.83 (S.U.)	
Hardness	2340B	5.77 (mg/L)	
Conductivity	2510B	53. (umhos)	
Oil & Grease	1664B	1.6 (mg/L)	
COD	5220D	63.8 (mg/L)	
Turbidity	2130B	54.9 (NTU)	
TSS	2540D	110. (mg/L)	
TP	4500-P E	0.09 (mg/L)	
Ammonia	4500-NH3 D	ND<0.1 (mg/L)	
TKN	4500-NorgB	ND<0.1 (mg/L)	
NO ₃ +NO ₂	4500-NO3 F	0.48 (mg/L)	
E. coli	m-ColiBlue24	480 (cfu/100mL)	

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Authorized Official: Robert J. Chatfield
 (Print Name)

Signature: [Signature] Date: 20th 2015