

**Municipality/Organization: Town of Westborough**

**EPA NPDES Permit Number: MAR041173**

**TOWN OF WESTBOROUGH, MA  
DEPARTMENT OF PUBLIC WORKS**

**Annual Report**

FOR

***NPDES PHASE II  
SMALL MS4  
GENERAL PERMIT***

***YEAR 15***



**Department of Public Works**

**John M. Walden, Director  
Lisa C. Allain, P.E., Asst. Town Engineer**

**April 24, 2018**

**MA DEP Transmittal Number: X\_277734**

**Annual Report No & Report Period: No. 15 – (March 2017-March 2018)**

**NPDES Phase II Small MS4 General Permit**

**Annual Report**

**EPA NPDES Permit Number: MAR041173**

**Part I. General Information:**

Contact Person: John M. Walden, Department of Public Works Director

Telephone #: (508) 366-3070

Email: [jwalden@town.westborough.ma.us](mailto:jwalden@town.westborough.ma.us)

**Certification:**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature: \_\_\_\_\_



Printed Name: Leigh Emery

Title: Chair, Board of Selectmen

Date: April 24, 2018



Enter your transmittal number

X277734

Transmittal Number

Your unique Transmittal Number can be accessed online:

<http://www.mass.gov/eea/agencies/massdep/service/approvals/transmittal-form-for-payment.html>

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: MassDEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

\* Note: For BWSC Permits, enter the LSP.

A. Permit Information

MAR041173

1. Permit Code: 4 to 7 character code from permit instructions

2. Name of Permit Category

NPDES Phase II Annual Report - Year 14

3. Type of Project or Activity

B. Applicant Information - Firm or Individual

Town of Westborough

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

Emery

Leigh

2. Last Name of Individual

3. First Name of Individual

4. MI

Chairman, Westborough Board of Selectmen - Town Hall, 34 West Main Street

5. Street Address

Westborough

MA

01581

508-366-3076

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

Lisa Allain, P.E.

lallain@town.westborough.ma.us

11. Contact Person

12. e-mail address

C. Facility, Site or Individual Requiring Approval

1. Name of Facility, Site Or Individual

2. Street Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)\*

1. Name of Firm Or Individual

2. Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? [ ] yes [ ] no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

DEP Use Only

Special Provisions:

- 1. [X] Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less). There are no fee exemptions for BWSC permits, regardless of applicant status.
2. [ ] Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. [ ] Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. [ ] Homeowner (according to 310 CMR 4.02).

Permit No:

Rec'd Date:

Reviewer:

Check Number

Dollar Amount

Date

## Part II. Self-Assessment

The 2016 Massachusetts MS4 General Permit effective date was postponed and changed to July 1, 2018. As a result, the Town of Westborough (Town) is required to complete this Permit Year fifteen annual report. The Town has continued its efforts in maintaining compliance with the 2003 Massachusetts MS4 General Permit.

The Town performed several stormwater activities and improvements in Permit Year 15. In particular, the Department of Public Works (DPW) completed the following:

- In year 14, 100% of the known outfalls were field located with GPS, mapped in ArcMap and had written inspection reports written for each one. In year 15, 42 of the outfalls with possible condition issues were re-inspected by the Engineering summer intern. A list of the most critical outfall repairs needed was submitted to the Highway Division.
- The Highway Division completed approximately three drainage improvement projects involving replacing drain pipe. Eight (8) manhole and fifteen (15) catch basin repairs were performed throughout the year. A listing of this work and the locations can be found on Attachment “A”.
- Street sweeping was completed by the Highway Division on 100% of the roads in town with the heavily traveled roads in the downtown area being swept multiple times.
- Approximately 41% of the Town’s catch basins were cleaned this year.
- One major drainage improvement project was designed by the Westborough Engineering Division and completed by an outside contractor on Ruggles Street.
- The Engineering Division continued to gather drainage infrastructure information including field data collection, GIS data compilation and mapping for several roads in town.
- In addition to drainage infrastructure mapping, roadway features such as centerlines, driveways, sidewalks, and sewer manholes were also located Elm Street, Nottingham Road, Sherburne Road, Jefferson Road, Yorkshire Circle, Hundreds Road, Fairview Road, and Meadow Road.
- The Engineering summer intern located by GPS and mapped in ArcMap every known public hydrant. A total of 909 fire hydrants were located.
- The DPW hosted the annual Household Hazardous Waste Collection Day and continued to offer the Rain Barrel program to residents. (See Attachment “B”)
- The Engineering division reviewed and approved 6 stormwater permits, as well as, reviewed over 100+ construction and post-construction submittals for compliance with the Town’s bylaws and the MassDEP stormwater management standards.

- A professor from the “OARS” organization created a science curriculum that focused on stormwater educational topics and was implemented at the Mill Pond School fifth grade class. This was a major goal of year 14 and was a huge success. The students put on a presentation after the program ended to staff, parents and municipal officials.
- The Town participated in annual Earth Day activities and events organized by the Westborough Community Land Trust. (See Attachment “C”)
- The Town of Westborough continues to be an active participant in the Central Massachusetts Stormwater Coalition (Coalition). See Attachment “D” for the Coalitions overview of year 15 activities.
- The DPW will continue to seek educational opportunities for the employees and attend classes and seminars. See Attachment “E” for an example of classes attended and educational materials personnel actively seek out and share with another.
- The Westborough Conservation Officer continued to be an active participant in the NPDES program. There was a vast array of tasks he completed and is outlined in Attachment “F”.

Even with the great work above and the assistance of the Coalition, the Town still struggled to complete several goals this year. Furthermore, it is anticipated that this struggle will continue without dedicated personnel and dedicated yearly funding. Residents and Town Officials still do not have a thorough understanding of the costs and man hours required to satisfy the NPDES MS4 General Permit and Construction General Permit requirements. The 2016 MS4 Permit issued has more stringent standards and many additional requirements. It will become increasingly difficult to comply with the revised permit requirements.

The two catch basin cleaners the DPW owns are antiquated and unreliable. Therefore, catch basin cleaning operations continue to be deficient of the Permit goals each year. This year the situation has changed as funds for a new catch basin cleaning truck were obtained at the Spring 2018 Annual Town Meeting. The truck is expected to be delivered this summer and in conjunction with adding new staff, it is anticipated that our cleaning rate will increase. The DPW will continue, thru the next Permit year, advocating for the funds to replace the second catch basin cleaning truck.

Clearly, the Town has not been able to maintain status quo with the existing permit and now must begin looking at the internal effort and fiscal requirements needed for the new permit. Additional funding is needed. If sufficient funds cannot be obtained from General Fund revenues, a stormwater utility may be required. A major goal in the DPW will be to educate the general public, as well as, other Town Departments about the substantial requirements the Town must meet in the future or potentially be subject to fines.

### ***Part III. Summary of Minimum Control Measures (MCM)***

In previous reports the following were separated into divisions that mirror the six Minimum Control Measures (MCM's) in the 2003 Massachusetts Small MS4 Permit with the technical tasks and resources performed. Note that this year's table description content has been simplified since the majority of the information has not changed. Furthermore, the entire "planned activities" column has been deleted since the Town will be focusing on the Notice of Intent that is due this year and preparing for the new requirements of the 2016 permit . Completing the mapping of infrastructure and editing map areas already in ArcMap will continue to be a major priority this year.

### **Part IV. Assessment and Future Activities**

With the issuance of the new 2016 permit, the Town will face several obstacles to maintain compliance. A Notice of Intent must be completed and submitted for review by September 2018. Furthermore, the complexity of the new permit's annual requirements is daunting and will significantly deplete current levels of resources such as personnel and funding. The Town will continue to use the Coalition to help with the requirements of the new permit and educate staff but other avenues will still need to be investigated.

**Part III. Summary of Minimum Control Measures**

**1. PUBLIC EDUCATION & OUTREACH**

<b>BMP ID#</b>	<b>BMP Description</b>	<b>Responsible Dept/person</b>	<b>Measurable Goal(S)</b>	<b>Progress on Goal(s)- Permit Year 15</b>
<b>General Public</b>				
1. A	Educational Posters with handouts	DPW	1. Display educational posters & handouts at Spring and Fall TM 2. Find new locations to display posters	1. DISCONTINUED in Permit Year 14. 2. The DPW has on display an educational poster available for public viewing in which every 6 months it is changed.
1.B&C.	Cable TV Outreach	DPW	Run PSA's and bulletins on Westborough cable tv	DISCONTINUED in Permit Year 14.
1. D	Town Website	DPW	Post stormwater information on Town website	Ongoing. Stormwater information remains on the website
1. E	Educational Stormwater display	DPW	Exhibit a stormwater display at Library and Senior Center – ON HOLD.	In anticipation of the new 2016 NPDES permit requirements being issued, creating new displays was delayed to ensure efforts made would be in compliance with the new permit.
<b>Homeowners</b>				
1. F	Mailings	DPW	Mail educational flyers that target specific issues pertaining to homeowners & stormwater	The last brochure that was created and mailed to every Westborough homeowner on public water was in Spring 2016
1.G	Letters to detention basin abutters	Con Com Officer	Mail educational letters to detention basin abutters about function and importance of no dumping	All abutters to the 50+ town owned detention basins received educational letters from Con Com Department.
<b>Students</b>				
1. H	Education	DPW	Conduct grade appropriate presentations w/ Environscape	Environscape presentation was included in the new stormwater lesson plan implemented at the Mill Pond School.
1. I	Education	DPW	To engage and work with schools to increase discussions with students on stormwater issues	Mill Pond School 5 <sup>th</sup> grade has implemented into their 2017-2018 curriculum an entire lesson plan on stormwater. Very successful.
1.J	Education	DPW	Educate general public using new technologies	We have made no progress however we anticipate this goal to remain valid for new 2016 NPDES permit.
1.K	Target potential high commercial polluters	DPW / Con Com officer	Educate specific industries stormwater pollution they generated	Con Com Officer targets the 69 DEP registered hazardous waste generators. (see attached)

**2. PUBLIC INVOLVEMENT AND PARTICIPATION**

<b>BMP ID#</b>	<b>BMP Description</b>	<b>Responsible Dept/person</b>	<b>Measurable Goal(S)</b>	<b>Progress on Goal(s)- Permit Year 15</b>
<b>General Public</b>				
2. A	Catch Basin Stenciling	DPW	Solicit and have volunteers perform CB Stenciling	There was no interest this year and no catch basins were done
2. B	Hazardous Waste Collection Day	Board of Health	Hold Hazardous Waste Collection Day annually	Completed. It is held annually at the DPW facility.
2. C	Rain Barrel Program	DPW	Participate in the rain Barrel program in coordination with The Great American Rain Barrel Company	Completed. The Town continues to participate in this annually. Link was added to the DPW website.
2. D	Earth-day clean up	WCLT	Earth Day Clean-up (Westborough Community Land Trust)	Completed. The Town continues to participate in this annually.

2.E	Hold public meeting to educate people on stormwater	DPW	Advertise and hold meeting	This was not completed in Year 15.
<b>Students</b>				
2.F	Education video	DPW	Create educational videos	Ongoing, the goal was to have a new video created since the 3 being run on the local cable station are from 2013.
2.G	School student involvement	Many	Improve school student involvement	Mill Pond School has taken the lead and plans on including another grade to participate in the stormwater curriculum.

### 3. ILLISCIT DISCHARGE DETECTION AND ELIMINATION

BMP ID#	BMP Description	Responsible Dept/person	Measurable Goal(S)	Progress on Goal(s)- Permit Year 15
3.A	Stormwater System Mapping	DPW	Focus on QA/QC of the maps between the field and the database	Ongoing. When time allowed field checks were made to ensure map accuracy. Discrepancies were added by GPS
3.B		DPW	Map all and inspect all outfalls. Monitor outfall for contamination and begin water quality field testing.	1. All known outfalls were inspected, reports written and mapped by GPS. 2. Did not develop or begin water quality program for 10% outfalls. Will develop one that is in compliance with the new MS4 permit
3.C		GIS/MIS	Make changes and up-dates to main database	Ongoing. Need to become a priority.
3.D	Inventory commercial properties with drain system directly discharges to municipal drainage system	CON COM Officer	Identify, create a database and map all of the commercial properties. Identify which sites discharge directly into the municipal drainage system.	The database has been created and continues to be updated. Mapping has not occurred at this time due to time and financial constraints.
3.E	Identify and eliminate illicit discharges from non-residential sites	CON COM Officer	Identify sites that are illicitly discharging into the municipal drainage system and take corrective action where applicable	The database has been created to highlight these sites. The Con Com officer has taken the steps to eliminate the discharges.
3.F	IDDE Plan	DPW	Record conditions of each CB on "CB Inspection Sheet". Create and record information on a computer spreadsheet	DPW crews continue to fill out CB inspection forms during CB cleaning operations. All goals from last year are ongoing.
3.G		DPW	Contract camera work to inspect existing drainage networks	As budget allows continue to camera high priority areas. No camera work was performed in Year 15.
3.H		DPW	SSES activities	Completed.
3.I	Bylaw Ordinance	DPW	Implementation of IDDE by-law	Reviewed by the Coalition and no improvements were suggested.
3.J	Inspection & Enforcement	DPW/ Bldg Dept	Solicit help from other Town departments in continuing to find and/or prevent illicit connections	No action was taken on this goal. Therefore, this is goal is carried over to the new permit year.

4. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

BMP ID#	BMP Description	Responsible Dept/person	Measurable Goal(s)	Progress on Goal(s)- Permit Year 15
4.A	Stormwater Regulatory Mechanism	DPW/ Planning Dept	Develop and implement a bylaw for E&S control utilizing appropriate BMPs	Completed. Stormwater By-law adopted in Year 6.
4.B	Stormwater Management Policy	DPW	Review all incoming projects for compliance of stormwater management policy, including, proposed use of BMPs, erosion control plans and SWPPP.	Ongoing. DPW continues to review all submissions and evaluate for conformance of regulations
4.C	Stormwater Management Policy	CON COM Officer	Review all incoming projects from Conservation Commission Officer's point of view apply Con Com stormwater management policy(s).	Ongoing. Con Com Officer continues to review all project submissions and writes detail Order of Conditions to ensure compliance.
4.D	Inspection & Enforcement	DPW/ CON COM Agent	Conduct construction site inspections. Keep inspection records and violation reports Follow stormwater by-law procedures for any violations	Ongoing. Designated staff has been trained & perform regular inspections on all active construction sites

5. POST-CONSTRUCTION STORMWATER MANAGEMENT

BMP ID#	BMP Description	Responsible Dept/person	Measurable Goal(s)	Progress on Goal(s)- Permit Year 14
5.A	Regulatory Mechanism	DPW/ Planning Dept	Bylaw that regulates the control of post construction runoff and the evaluate for appropriate BMPs	Completed. Stormwater By-law adopted in Year 6 included provisions for post-construction runoff.
5.B	Stormwater Management Policy	DPW/ Planning Dept	Review all projects at various stages of construction for compliance of stormwater policy and conformance of BMP's	Ongoing. DPW reviews all submissions and evaluates proposed BMPs for conformance of regulations.
5.C	Inspection & Enforcement	DPW/ CON COM Agent	Designate staff and perform inspections for each project	Ongoing. Designated staff performs regular inspections of all active construction sites
5.D	Inspection & Enforcement	CON COM Agent	Create database and perform inspections	Ongoing. Database has been created and inspections occur on a regular basis. All inspections are recorded in database.
5.E	BMP Operation & Maintenance Procedures	DPW/ CON COM Agent	Develop operation and maintenance procedures for submission on each project	Ongoing. Procedures continue to be required for all projects. Continue requiring O&M plans.
5.F	Sampling to verify compliance with stormwater policies	TBD	Perform sampling on downstream watersheds of projects that have suspected negative impacts to the watershed.	No action was taken on this goal set for this year due to the anticipated release of the new MS4 permit and it's requirements

6. POLLUTION PREVENTION/ GOOD HOUSEKEEPING

BMP ID#	BMP Description	Responsible Dept/person	Measurable Goal(S)	Progress on Goal(s)- Permit Year 15
6.A	Employee Training	DPW	Develop and implement a training program for all DPW employees to attend	Will revise program to comply with new MS4 permit requirements.
6.B		DPW	Attend seminars and classes to educate employees in new requirements of the MS4 permit	Ongoing. Due to time and financial constraints very few seminars and/or classes were attended
6.C		Con Com Officer	Develop and conduct training/seminars for all municipal employees	Although no new presentations were contacted in-house the Con Com Officer did 2 presentations to the public.
6.D	Stormwater System O&M	DPW	Enhance the existing storm drain system and CB cleaning. Increase cleanings and strengthen record keeping.	New equipment funding was not approved at ATM. The Town will continue to struggle in compliance of this item until there is dedicated funding.
6.E		DPW/CON COM Officer	Maintain Town stormwater infrastructure by performing annual maintenance inspections.	Ongoing. All Town owned detention basins are inspected and mowed annually.
6.F	Pesticide / Fertilizer Reduction	DPW (Highway/Parks)	Develop and implements a management program for application. summarize yearly.	Ongoing. Application of fertilizers and pesticides is reviewed each year and modifications made.
6.G	Municipal vehicles Maintenance and Repair	DPW	Review maintenance and repair vehicle repair program. make improvements that increase stormwater pollution prevention	Completed and ongoing. Spill collection devices are continuously being utilized. All oils and wastes are disposed of in one location and removed/disposed of by an outside party
6.H	Municipal Roads	DPW	Enhance street sweeping operations. Computerize record keeping system.	Ongoing. Evaluate program annually to look for trends and trouble areas. 100% of the streets were swept Spring and Fall. Downtown area was swept bi-weekly during summer months. Funding was requested at ATM but the request was not approved.
6.I		DPW	Establish a collection site to accept oil & grease waste to be properly disposed of	Completed and ongoing. The collection center for oil & grease waste at the DPW has been maintained for many years. Waste is picked up and disposed of by a qualified Vendor
6.J	Hazardous Waste	DPW	Establish a collection site to accept antifreeze waste to be properly disposed of	Completed and ongoing. The collection center for just antifreeze waste products continues to be maintained. Waste is picked up and disposed of by a qualified Vendor.
6.K	Municipal (School) Infrastructure	Con Com Officer	Inventory municipal property infrastructure and set up maintenance program	Ongoing but no progress was made this past year. Several sites still need to be GPS'd

7. BMPs FOR MEETING TMDL WASTE LOAD ALLOCATIONS

BMP ID#	BMP Description	Responsible Dept/person	Measurable Goal(S)	Progress on Goal(s)- Permit Year 15
7.A	Prioritize around the Assabet River	DPW	Develop a plan to meet this goal;	N/A
7.B	Phosphorus investigation	DPW	Start sampling in suspect high Phosphorus areas of Town.	N/A





# TOWN OF WESTBOROUGH MASSACHUSETTS

DEPARTMENT OF PUBLIC WORKS

131 OAK STREET  
WESTBOROUGH, MA 01581-3317  
TEL. (508) 366-3070  
FAX 366-3074

John M. Walden, Director  
Richard Voutas, Assistant Director  
Carl J. Balduf, P.E., P.L.S., Town Engineer

Brian Antonioli, Operations Manager  
Maria-Elaina Riggieri, Business Administrator

April 17, 2018

**TO:** Lisa Allain, P.E.  
Assistant Town Engineer

**FR:** Steve Winchell  
Highway Leadman

**RE:** Drainage Projects March 2017 - April 2018

## **DRAINAGE PROJECTS** (March 2017 – April 2018)

### Manhole & Catch Basin Repair

Lyman Street	CB (2)
Byard Lane	CB
Ruggles Street	CB (2)
John Street	MH
Milk Street	CB (2)
Whitney Street	CB
Otis Street	CCB
East main Street	MH (7)
Wachusett Drive	CB
Mathieu Drive	CB
Lincoln Street	CB
Flanders Road	CB
Lee Ann Circle	CB
Pinecrest Drive	CB

### Drainage Improvements

- Replace section of drainage pipe between Church Street & West Street
- Fixed Section of Drainage Pipe at Chauncy Street
- Fixed Section of Drainage Pipe at Crestview Drive

Lisa's Jobs: Ruggles Street & Adams Street

Catch Basin Cleaning: 41% of Town

# 2017 HOUSEHOLD HAZARDOUS WASTE DROP-OFF DAY

Saturday, September 30, 2017  
7:30 a.m. - 12:00 p.m.

DPW Facility, 133 Oak Street

## WHAT YOU SHOULD BRING

### AUTOMOTIVE SUPPLIES

Brake & Transmission Fluid  
Car Cleaners & Wax  
Engine & Radiator Flush  
Gasoline / Diesel / Kerosene  
Antifreeze  
Motor Oil  
Vehicle Batteries  
Engine Degreaser

### PAINTS & SOLVENTS

Oil Based Paint  
Lead / Mercury Paint  
Turpentine & Paint Thinner  
Cleaning Fluids  
Wood Preservatives & Stains  
Wood Strippers  
Spray Paint  
Adhesives  
Spray Lubricants  
Driveway Sealant

### UNRESTRICTED PESTICIDES

Flea Control Products  
Fertilizer w/Pesticides  
Ant & Roach/Wasp Spray  
Snail / Slug / Rat Poison  
Houseplant Insecticides  
Herbicides  
Fungicides  
Insecticides  
No-pest Strips

### HOBBY SUPPLIES

Home Chemistry Sets  
Silk Screen Inks / Solvents  
Shellac & Lacquer  
Solvent Based Glue  
Gun Cleaning Solvents  
Photo Chemicals  
Rubber Cement  
Pool Chemicals  
Muriatic Acid  
Propane Tanks

### HOUSEHOLD CLEANERS & MISC.

Drain / Oven / Floor Cleaners  
Arts & Crafts Supplies  
Moth Balls  
Furniture & Metal Polish  
Fluorescent Lamps  
Ammonia/Bleach & Disinfectants  
Rechargeable Batteries / button cells  
Spot Remover  
Moth Balls  
Dry Clean Fluid  
Dyes  
Cosmetics  
Mercury

## ASBESTOS

**Note:** Asbestos heating insulation will be accepted from a residential dwelling, only if it is approved in writing by the Board of Health, and under 3 square/linear feet, doubled bagged, wetted, and labeled. Small asbestos items, such as ironing board covers & brake pads are OK.

## ITEMS NOT ACCEPTED

Latex paint  
Appliances & CFC's  
Biological Waste  
Explosive Materials  
Radioactive Materials  
Smoke Detectors  
Empty Aerosol Cans  
Sand / Street Sweepings, Absorbent Material  
Unclassified construction debris: such as siding, shingles, transite board, pipe  
Prescription Meds  
PCB's  
Garbage  
Ammunition  
Fireworks  
Septage  
Tires

Please do not bring empty or nearly empty containers. Empty containers may be disposed of with regular household trash.

## How to Package Household Hazardous Wastes For Transportation

1. Keep all products in original containers.
2. Make sure all lids and caps are tight.
3. Place items securely in box for transport.
4. Use newspaper or cardboard for filler.
5. Place leaking containers in additional bags.
6. Label all boxes and bags.
7. Do not leave material in unvented vehicle.
8. Do not smoke near chemicals.

## WHAT TO EXPECT:

At the drop-off site, be prepared to stay in your vehicle through the whole transfer process. Upon arrival, you will be directed to a reception area where you will be required to show proof of residency. The type and amount of waste that you have brought will also be checked at that time. You will then be directed to a collection area, where your wastes will be removed from your vehicle. Finally, you will be directed toward the exit.

Westborough Board of Health  
34 West Main Street  
Westborough, MA 01581

Printed on Recycled Paper



**ATTENTION - The Following Items Will Not Be Accepted**

**Latex paint**

Latex paint can be disposed of as trash if dry. To dry small amounts, remove lid and let the paint dry in the can. For larger amounts, mix in kitty litter or pour one-inch layers of paint in a cardboard box lined with a plastic bag. Stir the paint occasionally to speed drying. Put completely dried paint in the trash.

**Styrofoam**

Styrofoam will not be collected at the event.

**Prescription Medications**

Prescription medication will not be accepted at the event. A permanent medication disposal box is located in the lobby of the Westborough Police Department. Do not flush your discarded medications down the drain!

**Sharps**

As of July 1, 2012 household sharps (needles, lancets, etc.) may no longer be disposed of in the household trash. Westborough residents may bring sharps to the Senior Center between 9AM and 4 PM Monday through Friday. Sharps must be brought to the facility in a sharps container.

**DO NOT BRING THE FOLLOWING:**

- LATEX PAINT
- EMPTY CONTAINERS
- SHARPS (needles, lancets/syringes)
- ALKALINE BATTERIES
- PRESCRIPTION MEDICATIONS
- STYROFOAM
- ELECTRONICS

**COMMON QUESTIONS**

1. **Will any material be refused?** Yes. The contractors reserve the right to refuse any material which is not deemed acceptable by the managing site chemist.
2. **What if I can't identify a material?** Keep materials in the original containers when possible. A chemist will be present to help with difficult identification.
3. **Will I have to wait in line?** Yes. Expect a wait. The DPW gate will open at 7:30 am. Please do not arrive before 7:30 am. The gate will close promptly at 12 noon.
4. **Will I be charged a fee?** No, unless you have an unusually large quantity from one household. Contact Health Director Steven Baccari before September 22, at 366-3045 for details.
5. **Do I have to prove I live in Westborough?** Yes. Bring your driver's license.

6. **Are businesses excluded from participating?** Yes. Only household hazardous waste will be accepted.
7. **Can I bring a neighbor's materials?** Yes. Bring a list of the neighbor's materials, and include their name, address, and phone number.
8. **Should I bring empty or nearly empty containers?** No. It is o.k. to put these in your regular trash. Please do not bring empty containers to the collection day.

Please remember, the "best" method of disposal for paints, solvents, cleaners, unrestricted pesticides, hobby supplies, pool chemicals, auto supplies, etc., is proper use. If these types of products are not banned, restricted, or outdated, use according to their label instructions or give to a neighbor to use.

**Town of Westborough Household Hazardous Waste Day**

**Date:** Saturday, September 30, 2017  
**Time:** 7:30 am - 12:00 pm  
**Where:** DPW Facility, 133 Oak St.

**Be Prepared to Present Proof of Residence**



**Westborough** is encouraging residents to harvest and save rainwater by offering **40% off the retail of a price Great American Rain Barrel.**

#### **REASONS WHY YOU SHOULD PURCHASE A RAIN BARREL**

- Save approximately \$200 in annual water bills with a 60-gallon rain barrel.
- Help stressed trees and gardens during dry spells. *In 2016, 48% of towns in MA had water bans.*
- Rainwater has no chemicals, chlorine or fluoride – great for plants and lawn.
- One rain barrel can pay for itself in one season.
- You can help towns manage water supplies and storm water runoff.

#### **ABOUT THE GREAT AMERICAN RAIN BARREL**

- 100% re-purposed rain barrels ***produced in Massachusetts.***
- Most durable rain barrels on the market: 3/16" wall thickness.
- Last for years when properly drained & stored for winter.
- Screen filtered to keep mosquitoes out.
- Several rain barrels can be linked together — easy 5-minute setup
- Available Colors: Forest Green, Earth Brown, and Nantucket Grey. Also available unpainted.

**Discount Price for Town Residents:** \$ 69 price 40 % Off Retail

**How to Order:** [www.greatamericanrainbarrel.com/community/](http://www.greatamericanrainbarrel.com/community/) and

**select your town** or call (800)251-2352

**Pick-Up:** Week of April 23-27<sup>th</sup>, 2018

Westborough DPW 131 Oak St Westborough, MA

**Deadline:** April 15<sup>th</sup>, Midnight

# Community Advocate

Your Hometown  
News Source.  
Since 1974.



## WESTBOROUGH: Earth Day town-wide clean-up in Westborough

**April 22, 2017 @ 6:30 am**

Westborough -Join the Westborough Community Land Trust's annual town-wide litter clean-up on Earth Day Saturday, April 22 and enjoy a picnic lunch afterwards! Early birds can meet at 6:30 a.m. at Westmeadow Plaza or Bellows Road. Families are invited at 9:30 a.m. to the new location on the Bay State Commons Green.

New this year is optional online signup. Visit <http://westboroughlandtrust.org/earth-day-signup> to choose your cleanup location in advance and avoid the lines. Come on your own, or rally your family, co-workers, or neighbors and form a team to beautify the town!

At noon, volunteers will be treated to pizza, healthy side dishes, beverages, and dessert at the Bay State Commons Green gazebo, courtesy of Arturo's Ristorante, Dunkin' Donuts on Route 9, Roche Bros., and both Westborough Stop & Shop stores. Volunteers also get a free bouquet courtesy of Mugford's Flower Shoppe!

For the cleanup, wear gloves, long pants, long sleeves, and sturdy shoes. Trash bags and rubber gloves will be provided.

### Details

#### Date:

April 22, 2017

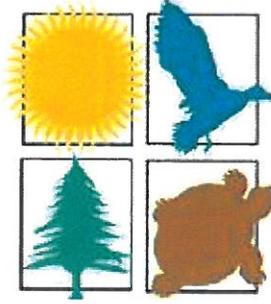
#### Time:

6:30 am

### Venue

Westmeadow Plaza

*Westborough, MA*



[WCLT Home](#)

## Calendar of Events

[WCLT on Facebook](#)

[About WCLT](#)

[About Us](#)[Contact WCLT](#)[Join WCLT](#)

[WCLT Programs](#)

[Land Protection](#)[Stewardship](#)[Education](#)

[Information](#)

[Nature Notes](#)[Sightings](#)[Volunteer Opportunities](#)[WCLT Properties](#)[Reports of Interest](#)[Partners](#)[Hall of Fame](#)[Past Events](#)

[Recreation](#)

[Charm Bracelet and Local Trails](#)

# Calendar of Events

Also check out the [Westborough Walks Meetup group](#) for hikes and activities guided by volunteers from WCLT.

**Saturday**

**April 22, 2017**

**Earth Day Event**

**TWO MEETING TIMES:**

**6:30 AM,**

**9:30 AM**



## Earth Day Town-Wide Cleanup

Westborough needs a little spring cleaning! Join the annual town-wide litter clean-up sponsored by WCLT!

Early birds meet at 6:30 am at West Meadow Plaza or Bellows Road.

Families are invited at 9:30 am, at the Bay State Commons Green.

**NEW THIS YEAR: ONLINE SIGNUP!** Check back a few weeks before the event.

Help your kids learn to care for the earth! Rally your co-workers or neighbors and form a team to beautify our town! You will feel the pride of a job well done.

Wear gloves, long pants, long sleeves, and sturdy shoes. Trash bags and rubber gloves will be provided. No reservation required.

Contact:

[earthday@westboroughlandtrust.org](mailto:earthday@westboroughlandtrust.org)

## Central Massachusetts Regional Stormwater Coalition Coalition Activities in Year 15 (April 1, 2017-March 31, 2018)

### Introduction

The Central Massachusetts Regional Stormwater Coalition (CMRSWC) is an MS4 resource for all 30 member communities. CMRSWC has three standing sub-committees to allow members to focus efforts on specific issues important to the Coalition. These sub-committees are:

- Education Sub-Committee: responsible for developing and promoting outreach and educational materials required by the MS4 permit. The Education sub-committee is also responsible for planning and scheduling the Annual Meeting, educational workshops, and other forums for discussion of MS4 topics. The committee is CMRSWC's primary liaison to professional organizations and university partnerships.
- Technical Sub-Committee: responsible for managing Coalition's website and shared equipment resources; advising members on relevant technical issues including GIS system maintenance and upgrades.
- Legislative Sub-Committee: serves as the liaison to the Massachusetts Statewide Stormwater Collaborative; responsible for tracking MS4 related legislation and regulations and keeping the legislature and regulatory agencies informed of the concerns of member communities.

The CMRSWC Steering Committee held four meetings during this 12 month reporting cycle. The CMRSWC Annual Meeting was held on November 15, 2017 in Worcester. Members of CMRSWC also attended and actively participated in the Massachusetts Statewide Municipal Stormwater Coalition meetings.

### MS4 Workshops and Technical Training (Minimum Control Measures 3, 4, 5, and 6)

#### *Best Management Practices Technical Tour*

On October 25, 2017, CMRSWC sponsored a technical tour and workshop for DPWs, Highway, and other staff in member communities responsible for the operations and maintenance of local roads, drainage, sidewalks, parking lots, and other public infrastructure. The tour was led by a team from Fuss & O'Neill and took attendees from 14 communities on a "road trip" to visit sites at Dennison Lubricants (Worcester), Tufts Veterinary School (North Grafton), and several Mass DCR sites. At each site, participants had the opportunity to learn about the BMPs in use at the site from a variety of staff from DCR and Mass DOT, as well as engineers and project owners. A lunch program offered additional opportunities to discuss stormwater management techniques. Handouts, presentation materials, and video footage of the tour are being offered to CMRSWC members through the website.

#### *Videos and Templates (Minimum Control Measures 1, 3, 4, 5, 6)*

As a follow-up to the Best Management Practices Technical Tour, 12 new CMRSWC videos were produced that feature the various BMPs visited on the tour, presentations from the day, and additional detailed footage recorded at the BMP sites after the event.

***Department of Conservation and Recreation Education and Outreach Materials (Minimum Control Measures 1 and 2)***

As part of the Stormwater BMP Technical Tour, Kelley Freda from the Department of Conservation and Resources presented participants with stormwater education and outreach materials available from DCR. She distributed a packet of various brochures targeting a diverse audience. These materials are available from the DCR website [www.mass.gov/dcr/watersupply](http://www.mass.gov/dcr/watersupply)

**Worcester Polytechnic Institute Water Resource Outreach Center (Minimum Control Measures 1 and 2)**

Worcester Polytechnic Institute's (WPI) Massachusetts Water Resource Outreach Center (WROC) is dedicated to assisting Central and Eastern Massachusetts municipalities and watershed associations with their water resource needs through student project collaboration. CMRSWC has been working with the WPI-WROC and MassDEP on Interactive Qualifying Projects (IQPs) since 2012.

The CMRSWC and MassDEP sponsored a 2017 WPI-WROC project called "Stormwater Management Educational Materials for Central Massachusetts Municipalities." Municipalities are required to distribute educational materials on stormwater issues to comply with the MS4 permit; "the ultimate objective being to increase knowledge and change behavior of the public so that pollutants in stormwater are reduced." The project team used public surveys and questionnaires to assess the public's understanding of stormwater and stormwater runoff. The results showed that most people do not understand what stormwater is, how it gets into our waterbodies and the impacts it has on water quality and public health. Focusing on increasing awareness of the importance of protecting our water among our elementary school student population, the WPI students developed a stormwater toolkit featuring an activity book and stickers for children. The activity book includes opportunities for parents to participate and ask questions.

Building on the previous work for educational materials, the 2018 student team worked with stormwater experts at MassDEP, MA Department of Education representatives and school teachers from Shrewsbury and Holden to develop a 5<sup>th</sup> grade watershed curriculum that meets the new Massachusetts Next Generation science standards. Components of the curriculum include the water cycle, watersheds, stormwater runoff and other environmental features that demonstrate to children how runoff and contaminants affect water quality. The students will be presenting their findings on May 1, 2018 at 4:00 p.m. at the MassDEP Central Regional Office in Worcester.

More information is available at: <http://wp.wpi.edu/wroc/>

**EnviroScape Nonpoint Source Pollution Model (Minimum Control Measures 1 and 2)**

The CMRSWC owns two 3D EnviroScape® Watershed/Nonpoint Source models which are available for use by our members. These models provide a hands-on, interactive demonstration of the sources and effects of water pollution and ways to prevent pollution. The CMRSWC sponsored a booth at the EcoTarium's Earth Day Celebration in April using the model to teach about stormwater education. Several member communities including Holden, Charlton, Framingham, Hopkinton, Lunenburg, Palmer, Shrewsbury, Auburn, & Dudley have used the EnviroScape model for presentations at Earth Day festivals, school programs, scouting events, and public works open houses.

## **Member Needs Survey**

In March 2018, CMRSWC contracted with Fuss & O'Neill to develop a technical needs survey that measured the concerns of member communities with respect to compliance with the updated MS4 General Permit for Stormwater Discharges (which is currently stayed pending judicial review). The survey served as a follow-up to the first coalition member survey in the fall of 2016 and asked members to rank certain programs/tasks that CMRSWC could support to assist members in complying with the MS4 Permit. The survey also requested that respondents identify the CMRSWC tools, resources, and events that they made use of during 2017 or provide feedback on why they chose not to take advantage of such tools or events.

Coalition members ranked their needs as follows:

1. Maintain the CMRSWC Website with Available Tools and Templates
2. Provide Written IDDE Program Template and Training
3. Provide NOI/SWMP Template and Training

Coalition members ranked their compliance concerns as follows:

1. Preparation of NOI and SWMP
2. Performing Outfall Inspections
3. Performing Outfall Inventory Ranking
4. Meeting TMDL Requirements
5. Developing Written Catchment Investigation Procedures
6. Designing and Constructing BMP Retrofits
7. Designing and Maintaining SWPPPs
8. Identifying and Removing Illicit/Illegal Discharges
9. Developing a Written IDDE Program
10. Mapping the Storm Sewer System

## **Statewide Stormwater Coalition Grant Award**

CMRSWC announced at its January 8<sup>th</sup> Steering Committee Meeting a \$200,000 grant from the State to the Statewide Stormwater Coalition to develop and implement a statewide stormwater education and outreach campaign. The project will provide stormwater education materials to communities across the state, including CMRSWC member communities. The funds, issued through the Commonwealth's Fiscal Year 2018 "MS4 Municipal Assistance Grant Program," recognize the important work of stormwater coalitions and regionalized stormwater management. Materials will be made available in July 2018.

## **Conclusion**

Working as a group, CMRSWC collectively protects regional water resources while assisting communities with meeting requirements of the MS4 permit in an efficient and cost-effective manner. Member communities continue to benefit from the use of CMRSWC tools, resources, and events to continue to implement their MS4 program with local staff and resources.

# Stormwater Management

## Course Description

EPA's new MS4 permit becomes effective this summer and requires municipalities to enhance their stormwater programs, with potentially major implications on stormwater program and good housekeeping budget and staffing needs. This presentation will guide participants through efficiently developing an effective stormwater program that meets the requirements of the 6 minimum control measures. Options for collaboration, work sharing within a municipality, asset management, and best practices will be shared. The workshop will feature case studies from successful municipal programs as well as guided peer sharing discussions. An update of MassDEP and MassDOT's efforts in light of the new requirements will also be shared.

Participants can expect to learn more about new requirements of the upcoming permit with a focus on:

- first steps
- illicit discharge detection and elimination
- good housekeeping
- tips and tools for building an efficient program

## Target Audience

Stormwater Coordinators, DPW directors, town engineers, anyone who will be involved with MS4 permit compliance in a planning or implementation role.

## Instructors

Anne Bastoni, Project Manager at VHB

Annie Bastoni is a Project Manager within VHB's Water Resources group focused on providing clients with innovative solutions to complying with stormwater regulations and other challenges. She served as MassDOT's Stormwater Program Manager for 3 years working to strengthen their stormwater program with a focus on asset management, outreach, and stormwater best management practice (BMP) construction and inspection.

Lori Kennedy, Project Manager at VHB

Lori Kennedy is a VHB Project Manager specializing in integrated water resources planning. She has experience in stormwater management, low-impact development (LID), green infrastructure, hydrologic and hydraulic modeling, sustainability, and permitting.

## Class Dates:

**February 6, 2018**

MassDOT District Office, 185 Kneeland Street, Boston, Massachusetts

**February 13, 2018**

Chatham Fire-Rescue, 135 Depot Road, Chatham, Massachusetts

**February 15, 2018**

Acton Public Safety Facility, 371 Main Street, Acton, Massachusetts

**February 28, 2018**

UMass Center Springfield, 1500 Main Street, Springfield, Massachusetts

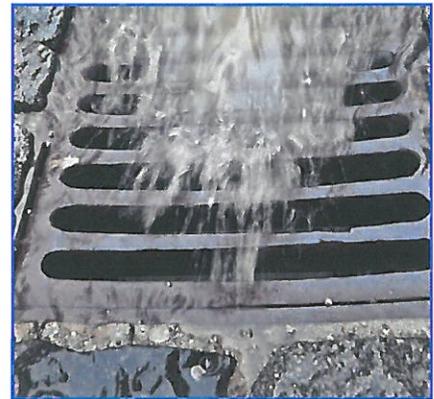
## Registration Fee:

**\$75.00 Public Sector/\$150.00 Private Sector**

If applicable, make checks payable to: University of Massachusetts. Please include course name and full name of attendee(s) on check Mail to: Baystate Roads, UMass Transportation Center, 214 Marston Hall, 130 Natural Resources Rd., Amherst, MA 01003.

*Cancellations must be received 7 days prior to the workshop or you will be invoiced.*

**The Course counts towards 1 Road Scholar and 0.6 CEUs**



*This event is accessible to people with disabilities and individuals with limited English proficiency. If you need a reasonable accommodation (such as American Sign Language Interpreters, assistive listening devices, handouts in alternate formats, etc.) and/or language assistance (such as translated documents or an interpreter) to fully participate, please contact Cindy Schaedig at 413-577-2762 or cschaedig@ecs.umass.edu at least 14 days prior to the event. Such services are provided free of charge*

*This Baystate Roads (LTAP) workshop is a cooperative effort of the Federal Highway Administration, the Massachusetts Department of Transportation and the University of Massachusetts Transportation Center.*

**massDOT**  
Massachusetts Department of Transportation

U.S. Department of Transportation  
**Federal Highway Administration**





Welcome to the first issue of the NMSA newsletter for 2018. We have been working on a general framework for NMSA actions and projects. The condensed version of this framework is:

1. **Establish Communication – With Public and Decision Makers**
2. **Planning – Develop a Plan for Infrastructure Improvements**
3. **Cost – Develop a Cost Estimate for the Plan**
4. **Financing – Find a way to pay to implement the Plan**

More on this framework on the next NMSA member call. In the meantime, enjoy the latest in stormwater news:

## NMSA News

Two new NMSA members have joined since the fall of 2017:

- Kentucky Stormwater Association. Read about their organization here: <http://www.kystormwater.org/>
- Maine Water Environment Association. Read about their organization here: <https://www.mewea.org/>

Welcome to our new members. See all of our membership at: [www.nationalstormwateralliance.org](http://www.nationalstormwateralliance.org)

## State, National and International News

**“WOTUS” Update.** The U.S. Environmental Protection Agency (EPA) and U.S. Department of the Army (the agencies) are proposing to amend the effective date of the 2015 rule defining “waters of the United States.” The agencies are proposing that the 2015 rule would not go into effect until two years after the action is finalized and published in the Federal Register. NMSA has developed an extensive [comment letter](#) on the proposed revisions. More on the EPA action here: [www.epa.gov/wotus-rule](http://www.epa.gov/wotus-rule)

First Circuit Shuts Down Use of TMDLs to Expand NPDES Stormwater Permitting  
[Legal Opinion Here - http://media.ca1.uscourts.gov/pdf/opinions/17-1166P-01A.pdf](http://media.ca1.uscourts.gov/pdf/opinions/17-1166P-01A.pdf)  
[Lawfirm article here.](#)

### **EPA Issues Request for Comment on Discharges via Direct Hydrologic Connection to Surface Water**

Last week EPA issued a request for comment on how pollutants that are discharged into groundwater that flows through a direct connection into jurisdictional surface waters should be treated under the Clean Water Act.

Over the years, the courts, EPA, states, tribes and local communities have addressed this type of pollutant source in different ways under the Clean Water Act. The agency wants to hear from all stakeholders about a number of key issues, including whether EPA should provide guidance or rulemaking or should review and potentially clarify any previous agency statements on the issue of how discharges from point sources that reach



New Website: **Public-Private Partnerships (P3s) in the Great Lakes Delivery and Finance of Green Stormwater Infrastructure** Solutions to ailing infrastructure include cheaper delivery and access to more capital. For more information: <http://www.p3greatlakes.org/>

The University of Maryland Environmental Finance Center recently published a report, **Holistically Analyzing the Benefits of Green Infrastructure**. This document is intended to help smaller local governments, particularly those with MS4 stormwater programs, to evaluate the benefits of green infrastructure. It details how combining green and gray infrastructure systems allows local governments to lower costs, solve systemic water challenges and enhance a community's quality of life. [Click here for more information.](#)

## Webinars/Training

RESPEC is organizing a **BASINS/HSPF Training Workshop** at the facilities sponsored by the AECOM office at Research Triangle Park (RTP), North Carolina. The workshop will train attendees on the use of Better Assessment Science Integrating point and Nonpoint Sources (BASINS), Hydrologic Simulation Program – Fortran (HSPF), and other model tools and techniques. The workshop will span 4.5 days (April 16-20, 2018) and focus on model setup, model structure, calibration, and model scenario generation. The workshop location is 1600 Perimeter Park Drive, Suite 400, Morrisville, NCA-27560. Draft schedule of the workshop is available at <http://www.respec.com/wp/wp-content/uploads/2017/02/BASINS-HSPF-WorkshopSchedule.pdf>.

### **Building Resilient Communities with Green Infrastructure and Hazard Mitigation Planning**

Thursday, March 1, 2018 1:00-2:30pm EST First webcast in EPA's 2018 Green Infrastructure Webcast Series. [For more information click here.](#)

The benefits of incorporating green infrastructure into hazard mitigation planning to improve community resiliency have long been recognized. In this webcast, presenters will focus on two pilot projects co-sponsored by the U.S. Environmental Protection Agency (EPA) and the Federal Emergency Management Agency (FEMA), in which two communities enhanced their resiliency by integrating green infrastructure elements of their stormwater and watershed plans into their hazard mitigation plans to achieve co benefits such as improving water quality and preserving resources.

“**Introduction to EPA’s Watershed Management Optimization Support Tool (WMOST) v3**”, is scheduled for *Thursday March 8<sup>th</sup> at 1pm Eastern*. This webinar will introduce the **Watershed Management Optimization Support Tool**. Version 3 of EPA’s Watershed Management Optimization Support Tool (WMOST) will be released in early 2018 (<https://www.epa.gov/exposure-assessment-models/wmost>). WMOST is designed to facilitate integrated water management among communities, utilities, watershed organizations, consultants, and others. WMOST identifies the most cost-effective suite of management practices to meet user-designated water quantity and/or water quality goals at the HUC12 – HUC10 watershed scale, looking across potential solutions in drinking water, wastewater, stormwater (gray and green infrastructure), and land conservation programs. Additional tools are being developed to apply WMOST as part of a robust decision-making process, including a complementary version of WMOST that uses a multi-objective evolutionary algorithm to generate numerous management solutions simultaneously. The webinar will provide background,



jurisdictional surface waters through groundwater is treated under the Clean Water Act and in the agency's permitting program.

This input will help inform potential next steps that could provide clarity on this issue. The comment period will be open for 90 days after the notice is published in the Federal Register. [The Federal Register Notice is available here.](#) [For more information, visit here.](#)

## Grant Opportunities

### NOAA Environmental Literacy Grants: Supporting the Education of K-12 Students and the Public for Community Resilience – \$2 million

Applications Due: April 6, 2018; Eligible Entities: State, local, and Indian tribal governments

The goal of this Federal Funding Opportunity (FFO) is to support the education of K-12 students and the public so they are knowledgeable of the ways in which their community can become more resilient to extreme weather events and/or other environmental hazards, and become involved in achieving that resilience. Many U.S. communities are increasingly contending with issues related to preventing, withstanding, and recovering from disruptions caused by extreme weather, such as severe storms, tornadoes, hurricanes, flooding, heavy precipitation events, persistent drought, heat waves, increased global temperatures, acidification of the ocean, and sea level rise. These extreme weather and climate events put stress on infrastructure, ecological systems, and the humans that live in the impacted places. Education projects focused on resilience enable and empower community members, including children and youth, to protect themselves and their communities from these hazards. Projects through these grants should build the environmental literacy necessary for communities to become more resilient to extreme weather and other environmental hazards they face. Project topics must relate to NOAA's mission in the areas of ocean, coastal, Great Lakes, weather, and climate sciences and stewardship and should focus on one or more of the goals of NOAA's Next Generation Strategic Plan: healthy oceans; weather-ready nation; climate adaptation and mitigation; and resilient coastal communities and economies. [For more information, click here.](#)

## Tools and Reports

The Government Accounting Office (GAO) publicly released a new report analyzing the use of green infrastructure (GI) by municipalities to meet EPA's stormwater requirements. The report, titled **EPA Pilot Project to Increase Use of Green Infrastructure Could Benefit from Documenting Collaborative Agreements**, was prepared in September 2017, but not publicly released until October 30th. The report investigated the level of GI adoption by municipalities, along with funding mechanisms, and the challenges integrating GI into stormwater management efforts, and lastly, focused on the role of U.S. EPA in promoting the use of GI at the local level. See: <https://www.gao.gov/assets/690/687478.pdf>



## TOWN OF WESTBOROUGH MASSACHUSETTS

45 West Main Street  
Forbes Municipal Building,  
2<sup>nd</sup> Floor, Suite 22  
Westborough, Ma. 01581

May 5, 2017

RE: 2017 Stormwater Maintenance Inspection

The Town of Westborough acting through its Conservation Commission will be performing the annual site inspections on all commercial, industrial, and high density residential properties in Town.

I personally want to thank all of the property owners & managers for their cooperation last year in fulfilling their obligations in maintaining their drainage structures. May of 2016, Jim Harvey, CEO and Treasurer, E.L Harveys & Sons was the recipient of the Stormwater Management and Water Quality Award for their efforts in the protection Westborough's natural resources

**Please contact me before June 23, 2017 to schedule an inspection of your property(s), this meeting is mandatory to ensure compliance.** The intent of the site inspections is to ensure that the following maintenance activities are performed on your property(s):

- Clean catchbasins/leaching catchbasins, oil/water separators or similar structure(s) via a sediment *vacuum* truck.
- Maintain (i.e. mow) all detention basin(s).
- Remove all vegetation within 20-feet of any drainage structure(s), (i.e. headwalls, drainage outfalls, or related structures).
- Remove vegetation within all drainage swales and rip-rap aprons.
- Remove trash from within drainage swales, detention basins, and wetlands.
- Sweep pavement surfaces.
- If your property is subject to an Operation and Maintenance Plan pursuant to a permit either by or jointly required by the Planning Board and the Conservation Commission please adhere to those site specific requirements.

I will be able to assist you and your contractors should any questions arise regarding any of the above maintenance requirements. I can meet with your contractors on-site so that they have a clear understanding of the scope of work so that you can receive accurate quotes.

I have enclosed a copy of the Department of Environmental Protection's fact sheet entitled "Management of Catch Basins Cleanings". The material removed from catch basins must be disposed of at a licensed DEP landfill. Please ensure that your catch basin cleaning contractor provides written documentation that this has occurred. I have also enclosed a vendor list to help assist you in obtaining services related to the maintenance of stormwater structures.

***It is your responsibility to please submit all receipts related to your stormwater maintenance requirements to me so that I can keep your file updated. In the event that receipts are not submitted I will be contacting you for that information.*** Please submit to the following address:

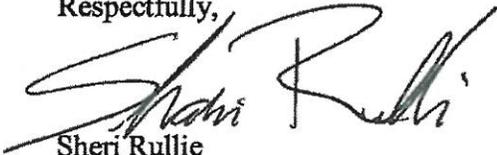
45 West Main St.  
Westborough, MA 01581.  
Attn: Sheri Rullie, Administrative Assistant Conservation  
Or by email [SRullie@town.westborough.ma.us](mailto:SRullie@town.westborough.ma.us).

***If you are an owner of auto dealership, car wash, auto/truck-repair/body shop, parking garage, or any other use that constitutes a higher pollutant load in accordance with DEP regulations, please ensure that your oil/water separator is cleaned.***

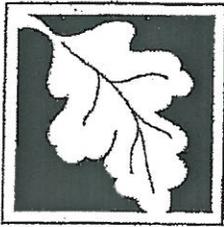
Lastly, please adhere to your requirements with the Westborough Department of Public Works relating to the cleaning of grease traps should your property(s) contain one. Questions regarding grease traps can be forwarded to DPW at 508-366-3070.

Thank you for ensuring that the above requirements are performed in a timely manner. Your cooperation ultimately protects your property(s) and the Town of Westborough's environment from stormwater contamination.

Respectfully,



Sheri Rullie  
Administrative Assistant Conservation



Massachusetts  
Department  
of  
ENVIRONMENTAL  
PROTECTION

# fact sheet

## Management of Catch Basin Cleanings

*Catch basin cleanings – solid materials such as leaves, sand and twigs removed from storm water collection systems during cleaning operations – are typically classified as a solid waste by the Massachusetts Department of Environmental Protection (DEP). Catch basin cleanings must be handled and disposed in accordance with the agency's applicable regulations, policies and guidance.*

### Handling and disposal

Except as explained below, catch basin cleanings from storm water-only drainage systems may be disposed at any landfill that is permitted by DEP to accept solid waste.

DEP does not routinely require storm water only catch basin cleanings to be tested before disposal, unless there is evidence that they have been contaminated by a spill or some other means. Contaminated catch basin cleanings must be evaluated in accordance with the Hazardous Waste Regulations, 310 CMR 30.000, and handled as Hazardous Waste if appropriate.

Systems that collect storm water run-off into sanitary sewers are called "combined sewers." DEP may require cleanings from combined sewer catch basins to be tested before disposal.

### Landfill restrictions

DEP regulations found at 310 CMR 19.130(7) prohibit Massachusetts landfills from accepting materials that contain free draining liquids. When there is no free water in a truck used to transport catch basin cleanings, the agency will generally be satisfied that the material is sufficiently dry. Otherwise, the material will need to undergo a Paint Filter Liquids Test.

One way to remove liquids is to use a hydraulic lift truck during catch basin cleaning operations so that the material can be decanted at the site. After material from several catch basins along the same system is loaded, the truck may be elevated so that any free draining liquid is allowed to flow back into the drainage structure.

DEP may approve catch basin cleanings for use as grading and shaping material at landfills undergoing closure (see the agency's *Revised Guidelines for Determining Closure Activities at Inactive Unlined Landfill Sites* for additional information). Catch basin cleanings may be used as daily cover or grading material at active landfills only with specific DEP approval of the proposed use.

Consult with the Solid Waste Section Chief in the appropriate DEP Regional Office for information about applying for an approval and/or a Beneficial Use Determination (see 310 CMR 19.060) for other uses, including non-landfill uses.

### For more information

Contact Jim Roberts at (617) 292-5983 or [James.Roberts@state.ma.us](mailto:James.Roberts@state.ma.us)

Massachusetts Department of  
Environmental Protection  
One Winter Street  
Boston, MA 02108-4746

Commonwealth of  
Massachusetts  
Mitt Romney, Governor

Executive Office of  
Environmental Affairs  
Ellen Roy Herzfelder, Secretary

Department of  
Environmental Protection  
Robert W. Gollidge Jr.,  
Commissioner

Produced by the  
Bureau of Waste Prevention  
April 2004.

Printed on recycled paper.

This information is available in  
alternate format by calling our  
ADA Coordinator at  
(617) 574-6872

## **Catchbasin Cleaning/Oil & Water Separator Maintenance Contractors**

*All catchbasins shall be cleaned to the bottom of the structure. Materials removed from the catchbasins and oil/water separators shall be disposed of pursuant to all applicable State/Federal laws.*

Tony Garcia  
VacTone Environmental Services, Inc.  
99 Muggett Hill Rd., Charlton, MA 01507  
(cell 508-304-4102)

Araco Inc.  
920 Washington St., South Easton, MA 02375  
Adam Arakelian  
508-238-8066

Rapid Flow  
P.O. Box 499 Revere, MA 02151  
Office # 781-289-7106  
Mark Meads (cell 617-799-4433)  
Tony Silvestri (cell 617-799-4444)

Atlantic Drain Services, Inc.  
Tony Teixeira  
435R High Park Ave.  
Rosendale, MA 02131  
617-442-7020

## **Vegetation Removal Contractors**

*All vegetation shall be removed from the site and coordinated with Derek Saari, Asst. Town Planner/Conservation Officer.*

J B Sawmill & Land Clearing, Inc.  
Joshua Brassard  
36 Fruit St., Hopkinton, MA 01748  
(cell 774-245-0639) 508-435-6877

Curtis Tree Service  
Curtis Brodmerkle  
Ashby, MA 01431  
(cell 978-230-1343)

Johnson Lawn Enforcement  
Jeff Johnson  
(cell 508-962-7644)

## **Detention Basin Excavating Contractors**

*All detention basin work shall be coordinated with a Professional Engineer and Derek Saari, Asst. Town Planner/Conservation Officer.*

Fryer Engineering  
9 Stearns Rd., Upton, MA 01568  
John Fryer  
(cell 774-696-0294)

Orlando Excavating  
12 Mctaggart St., Westborough, MA 01581  
Steve Orlando  
508-366-7457

R.B. Johnson & Son  
9 Warren St, Westborough, MA 01581  
Mike Johnson  
(cell 508-277-6261)

Doug Uhlman Excavating LLC  
151 East Main St. Westborough, MA  
Doug Uhlman  
(cell 508-962-3939)



# TOWN OF WESTBOROUGH MASSACHUSETTS

## Conservation Commission

Forbes Municipal Building  
45 West Main Street  
Westborough, MA 01581

June 20, 2017

RE: Town of Westborough Stormwater Detention Basin Education Letter

Dear Westborough Resident,

On behalf of the Westborough Conservation Commission and the Department of Public Works, this letter is intended to provide a general overview of the regulated mandates that the Town must adhere to relative to the yearly maintenance of approximately 50 stormwater detention basins in Town. As a resident in Westborough, this letter is being sent to you because your property is in close proximity to a detention basin. There are approximately 120 individual properties that have received this generic letter.

Stormwater detention basins can vary in size but their function remains the same. The detention basins receive stormwater from the subdivision roadways whereby stormwater is collected within catchbasins then conveyed to the detention basins. The detention basins are designed to treat and slowly release the stormwater to the adjacent wetland resource areas. These detention basins were permitted both by the Conservation Commission and the Planning Board and became the responsibility of the Department of Public Works to maintain after the subdivision roads were accepted as public ways at various Town Meetings.

The Department of Public Works mows all the detention basins once per year and conducts other required maintenance. The Town has been observing numerous yard waste dumping within some of the detention basins and even upon some of the most critical man-made concrete components. Dumping yard waste within the detention basins and the associated utility easements can cause the detention basin to malfunction and is also a Wetlands Protection Act violation.

The Town will inspect the detention basins frequently to ensure that yard waste dumping is not occurring and will notify owners if warranted to remove the yard waste from the regulated detention basins and utility easements.

Should you have any questions please feel free to contact me Conservation Commission Administrative Assistant, Sheri Rullie at 508-366-3014 and if you need to leave a voicemail please state your address so that we can respond as promptly as possible. Thank you for your cooperation and support.

Respectfully Submitted,

Sheri Rullie  
Conservation Commission Administrative Assistant