

City of Chicopee Massachusetts



Stormwater Report 2012

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**Activities of the Connecticut River Stormwater Committee for
the 2012 Annual Report**

Section 1 Public Education and Outreach

1A Educational Displays

The City posted educational displays on the City's website during the 2012. The City of Chicopee as a member of the Pioneer Valley Planning Commission's Connecticut River Stormwater Subcommittee has joined the Think blue coalition of Massachusetts. The Think Blue campaign developed a marketing campaign centered on the "Think Blue" brand. The group lists the City of Chicopee on its website which includes outreach and educational materials. A summary of the committee's activities is attached to this report. The City as part of the committee also placed several Public Service Announcements on radio and television.

The City of Chicopee has public service announcements on two of its vehicles. One of the vehicles is a pump station box truck with a PSA about stormwater pollution and lawn fertilizers. Attached is a photo of the PSA on the truck. The second vehicle is the City's vac truck. The vac truck has a PSA about stormwater pollution and the importance of picking up pet waste.

The City of Chicopee has posted signs at all active CSOs in order to inform residents of the location and possibility of overflows. Signs are posted to be seen from land and the adjacent water body. Structures were installed at the Medina Street boat ramp, Chicopee River near the Davitt Bridge on Granby Rd. and the Stanley Berchulski Fisherman Access in 2007. The purpose of these structures is to inform users of water quality, such as the results of the Fecal Coliform testing, at that location. In 2012 the posting was updated weekly from early spring to early autumn Fecal Coliform tests were performed and results were posted.

1B Classroom Education

The City supported Chicopee High School with some laboratory supplies and equipment and continues to encourage storm water educational topics to be included. Staff works with a Chicopee High School Chemistry class on storm water related topics.

The testing of some local water bodies was started in the autumn of 2012 and continues throughout the school year. Laurie Catarino & Meagan St. Pierre of the Chicopee WPCF met with Ms. Lukasik of Chicopee High School and her students until they became proficient with the testing. The City of Chicopee did the sampling and delivered them to the students for analysis. Water samples from Bemis Pond, the Chicopee River, Mt. Lake, and the Connecticut River were analyzed for a number of parameters.

The City of Chicopee WPCF provided four tours for students from two local community college Biology classes. This gives students an opportunity to ask questions and to see first hand what steps are being taken to mitigate the water pollution problems the City of Chicopee faces.

1C Local Cable Access

The annual Hazardous Waste drop off was advertised on Chicopee local cable access channel 5.

1D Informational Door Hangers and Mailings

Door hangers are placed on homes in neighborhoods where catch basins were cleaned and maintenance with the City's Vactor truck was done. A mailing was sent to let city residents know the 2012 trash pick up schedule and bulk drop off procedures. Samples of the door hangers and mailings are attached.

1E Hazardous Waste Collection Day

The City conducted an annual household hazardous waste collection for residents on Saturday, October 6, 2012.

The event was publicized in a local newspaper the local cable access channel, four public postings, the City's website, newspapers and a large sign at the front gate.

Information and signups were available to residents at the City's website: www.Chicopeema.gov, at City Hall and at the DPW office.

During the event the DPW collected 410 gallons of used motor oil, 36 vehicle batteries, 3731 linear feet of mercury containing fluorescent light bulbs, 2030 gallons of liquid hazardous waste which includes 1096 gallons of oil based paint.

There is an additional waste collection available to residents by appointment during the months of May - October. Monthly oil based paint collection held May – October.

Examples of the advertisements, signs and a summary of DPW outreach activities are attached.

1F Newspaper Press Releases

The City of Chicopee advertised its Hazardous Waste Collection Day in a local newspaper.

1G CSO Notification E-mail

The City of Chicopee sends emails to surrounding communities so they can be informed about the possible negative effect of the CSOs during rain storms. The City has a CSO facility which is activated when flow at the treatment plant is greater than 25 MGD. During 2012 the e-mail list included Health Department representatives from Holyoke, Chicopee, Springfield and West Springfield. The program was started in mid-summer of 2006. An example of the e-mail is attached.

Section 2 Public Involvement/Participation

2A Community Hotline

The City publicizes the community hotline through the distribution of door-hangers with the catch basin cleaning program and with other mailings. In 2012, 254 catch basins were cleaned and two to four hangers are distributed per basin. The phone number for the City's water pollution control facility is included to facilitate reporting of dumping, illicit discharges, and spill emergencies..

2B Attitude Surveys

The City continued its Customer Survey Program, which involves providing a questionnaire to customers following receipt of service. Two storm water related questions are on the survey form. The survey will be conducted to measure the success of the Public Education and Public Involvement components of the Storm water Management Plan. The two Stormwater questions on the survey in 2012 were: 1) Do you support higher sewer/storm fees for cleaner Chicopee & Conn. Rivers? And 2) Do you support a higher sewer/storm fee to separate sewer pipes to stop sewer backups?

2C Storm Drain Marking

The DPW-WPC stencils catch basins or marks them by installing placards. Messages may include such phrases as "Do Not Dump" or "No Dumping, Drains to River". The DPW-WPCF's collection system department marked approximately 106 catch basins in 2012

2D Watershed Committee

The DPW-WPC encourages and supports the activities of the Chicopee River Watershed Council (CRWC).

2E Conservation Commission

The Conservation Commission reviews building permit applications under both the Massachusetts Wetlands Protection Act and the Chicopee Wetlands Protection Ordinance. Zoning regulations require stormwater management for all new construction. A report of the Conservation Commission's activities is attached.

SECTION 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

3A Mapping Storm Water Outfalls

The City of Chicopee's Engineering Department has located all existing stormwater outfalls using GPS. A condition log of each location has been established to monitor and identify problem areas. This data and a copy of this map is on file with the City Engineer.

3B Develop Illicit Discharge Plan

Chapter 231 of the Chicopee Storm Water Management Ordinance outlines this activity. Additionally, the drainage network plan will serve as a tool to track illicit discharge sources.

Illicit discharges to the storm drain were corrected as they were discovered in 2012. In 2013 as part of expanded illicit discharge plan, the DPW-WPC will inspect outfalls. The outfalls will be photographed and examined for signs of sewage contamination. If flowing, the outfall will be tested using field kits to find possible contamination. Any signs of contamination will require further testing up stream to find the source.

3C Storm Water Discharge Ordinance

The City adopted a Storm Water Management Ordinance (October 28, 2003) to prohibit non-storm water discharges into the MS4 system. A copy was previously sent.

3D Illegal Dumping

The DPW performs regular patrols of areas known for illegal dumping. The DPW has post signage to deter illegal dumping at common dumping areas. The City picks up dumping daily as it occurs to prevent the trash breeding trash phenomenon.

3E Recreational Septage

The Sewer Commission currently allows Chicopee residents with Recreational Vehicles to dump their septage at the WPCF. The program is designed to deter illegal dumping and is provided at no cost to the resident.

3F Failing Septic Systems

The Health Department inspects septic system failures that are used to identify problem areas.

3G Industrial / Business Connections

The Industrial Pretreatment Program's effectiveness is evaluated as required annually each March 1st. This includes the demonstration that EPA requirements for Industrial User monitoring, inspecting, enforcement, and permitting has been satisfied; the City has implemented local discharge limitations that are sufficiently protective to the POTW and its workers, its receiving stream, and sludge disposal options; the City's IPP is appropriately funded and staffed. The IPP report submitted during 2012 will be provided to you upon request.

3H Video Inspection

The DPW – WPC uses a video camera to inspect storm drain pipes and sewer mains as needed to follow up on illicit discharges discovered. Over 43,306 feet at different locations throughout the City were TV inspected in 2012.

Section 4 Construction Site Runoff Control

4A Construction Runoff Ordinance

The City adopted a Storm Water Management Ordinance that requires sediment and erosion control at construction projects with over one acre in total disturbance.

4B Construction Plan Review

Under the Storm Water Management Ordinance, applicants with projects with disturbance over one acre will be required to submit sediment and erosion control plans for City review and approval. The Planning Departments reviewed projects for storm water management compliance in 2012. The Conservation Commission reviews projects for storm water management and compliance with the Chicopee Wetlands Protection Ordinance. The Engineering Department reviews commercial, and subdivision sites along with infrastructure improvements.

4C Inspection / Reporting

Under the Storm Water Management Ordinance, projects with disturbance over one acre will be required to have regular inspection of sediment and erosion controls and reporting of construction activities. The commercial sites and subdivisions referred to above were inspected for adherence to the approved plans.

SECTION 5 POST CONSTRUCTION STORMWATER MANAGEMENT

5A Post Construction Runoff Ordinance

The City adopted a Storm Water Management ordinance to address post construction runoff from projects with over one acre in total disturbance.

5B Site Plan Review

Under the Storm Water Management Ordinance applicants with projects with disturbance over one acre are required to submit storm water control plans for City review and approval.

5C Storm Water System Maintenance Plan

Under the Storm Water Management Ordinance projects with disturbance over one acre are required to include a program outlining procedures for long term operation and maintenance of storm water facilities.

SECTION 6 GOOD HOUSEKEEPING / POLLUTION PREVENTION

6A Municipal Maintenance Activity Program

The City is continuing to work to develop a program to outline procedures associated with maintenance of open spaces and parks, vehicular fleets, City-related construction activities, streets and the storm sewer system. The City is evaluating existing municipal procedures; modifying any procedures as needed, and implementation of the program plans.

6B Training of Municipal Employees

Municipal employees performing activities under the new Municipal Maintenance Activity Program (BMP #6A) are informed of new policies and procedures. This will occur pending adoption of the Program. DPW employees will also be informed of the Storm Water Pollution Prevention Plan requirements for the DPW, as applicable.

6C Storm Water Pollution Prevention Plan / MSGP

The DPW has finalized an Integrated Pollution Prevention Plan (IPPP) which includes Stormwater Pollution Prevention Plan (SWPPP) and a Spill Prevention Countermeasure and Control (SPCC). The plans were reviewed, revised and implemented during calendar year 2008. This is part of the City's Phase II Stormwater Program Multi-Sector General Permit (MSGP), and in accordance with EPA regulations 40 CFR 112. The DPW implemented the best management practices outlined in the plan.

6D Catch Basin Cleaning Program

The City cleaned approximately 254 catch basins in 2012. Informational flyers are distributed to homes in the immediate area around the basins.

6E Street Sweeping

For calendar 2012 the City had three mechanical sweepers. Street sweepers were on the road continuously from March through November 2012. Every street in the City was swept at least once. Most main arteries were swept several times as sweepers moved in and out of secondary streets. While only monthly sweeping is required in the business districts the City set a higher goal. The Central business districts, Chicopee Falls, Fairview, Willimansett, Aldenville and Chicopee Center, were swept once per week.

6F Used Oil Recycling

The City collected 410 gallons of used oil in 2012 at the DPW facility for utilization as a regulated recyclable material in the DPW garage waste oil heater. The City will continue to offer Used Oil Recycling.

6G Hazardous Waste Collection

The City continued its annual Hazardous Waste Collection Day; in 2012 it was held in October. Every year, the City publicizes the collection day through newspaper ads, radio and local cable access. There is also seasonal paint collection at the DPW.

SECTION 7 BMPs for Meeting TMDLs

7A TMDL for Connecticut River

According to the Massachusetts Year 2012 Integrated List of Waters, the Connecticut River is designated as Category 5 “Waters requiring a TMDL”. The targeted pollutants are priority organics, pathogens, and suspended solids. Sources of priority organics may include but are not limited to: road surfaces, inadequate fueling areas or practices, illegal dumping. Sources of pathogens may include but are not limited to: pet waste, winter road maintenance materials, illicit sewer discharges, and failing septic systems. Sources of these suspended solids may include but are not limited to: lawn care products, litter, winter road maintenance materials, erosion from construction activities, and illicit sewer discharges. The Storm water Management Program includes many BMPs to address reduction of contaminants from these sources under all Six Minimum Control categories.

7B TMDL for Chicopee River

According to the Massachusetts Year 2012 Integrated List of Waters, the Chicopee River is designated as Category 5 “Waters requiring a TMDL”. The targeted pollutant is pathogens. Sources of pathogens may include but are not limited to: pet waste, winter road maintenance materials, illicit sewer discharges, and failing septic systems. The Storm water Management Program includes many BMPs to address reduction of contaminants from these sources under all Six Minimum Control categories. The City will implement these BMPs under the responsible department and timeframes as previously described.

7C TMDL for Bemis Pond

According to the Massachusetts Year 2012 Integrated List of Waters, Bemis Pond, as a portion of Abbey Brook, is designated as Category 5 “Waters requiring a TMDL”. The targeted pollutant is suspended solids. Sources of this pollutant may include but are not limited to: lawn care products, litter, winter road maintenance materials, erosion from construction activities, and illicit sewer discharges. The Storm water Management Program includes many BMPs to address reduction of contaminants from these sources under all Six Minimum Control categories. The City will implement these BMPs under the responsible department and timeframes as previously described.

**CONNECTICUT RIVER STORMWATER COMMITTEE
2012 ANNUAL REPORT
JANUARY 1 TO DECEMBER 31, 2012**

The following is a summary of the work of the Connecticut River Stormwater Committee during the 2012 calendar year:

Member Community	Committee Representative and Department
Agawam	Tracey DeMaio, Department of Public Works
Chicopee	Joe Kietner, Waste Water Treatment Division
Easthampton	Stuart Beckley, Planning Department; Jim Gracia, DPW
Granby	Dave Derosiers, Highway Department
Holyoke	Matt Sokop, Department of Public Works
Longmeadow	Chris Reed, Department of Public Works
Ludlow	Jim Goudreau, Department of Public Works
Southwick	Richard Grannells, Department of Public Works
South Hadley	Melissa Labonte, Department of Public Works
Springfield	Kevin Chaffee, Conservation Commission
West Springfield	Jim Lyons, Department of Public Works
Westfield	Charles Darling, Water Resources Department

Low Impact Development Code (LID) Review for Chicopee and Ludlow

The Pioneer Valley Regional Ventures Center (PVRVC) was provided mitigation funds in the amount of \$24,000 as the result of Clean Water Action's Notice of Complaint against Ginmar Enterprises Inc. for use on projects related to stormwater benefiting water quality in the Chicopee River. The SEP addressed stormwater pollution for the improvement of water quality in the Chicopee River through: 1) education and outreach to chief elected officials in Chicopee and abutting communities; 2) develop innovative strategies for expanding green infrastructure for stormwater management including performance standards to reduce stormwater impacts from development; and 3) education and outreach to operators of industrial facilities within the Chicopee River watershed about proper best management practices for stormwater to reduce runoff and water quality degradation.

The Draft 2010 NPDES MS4 Permit for the Merrimack, Interstate and South Coastal regions issued October 24, 2010 requires MS4s to perform a local code review to assess the feasibility of implementing Low Impact Development (LID) techniques in new development and re-development at all scales. To address this requirement, PVPC developed a Green Infrastructure Checklist to use in reviewing local codes. The code review checklist was then implemented in the City of Chicopee and the Town of Ludlow, both communities share a border with the Chicopee River. From the checklist, two assessment and recommendation reports were generated for each community:

- Street and Parking Standards and Recommendations for Implementing Low Impact Development
- Local Regulation Review for the Feasibility of Having Low Impact Development

These reports present our assessments and recommendations regarding the landscaping of right-of-ways and parking lots, the curb and grade requirements of roadways and parking lots, and the dimension and layout requirements of streets, sidewalks, driveways, and parking spaces that influence the creation of impervious surfaces in right of ways, residential and nonresidential lots. The reports propose changes to the existing language of the zoning ordinances and subdivision regulations to allow for or encourage the use of LID integrated management practices. In making our recommendations of street, sidewalk, driveway, and parking lot dimensions, we referenced LID standards proposed in:

- Massachusetts Low Impact Development Toolkit by the Metropolitan Area Planning Council (MAPC), and
- "Better Site Design: A Handbook for Changing Development Rules in Your Community" by the Center for Watershed Protection, from which MAPC based their recommendations.

For Ludlow, the following bylaws and regulations were reviewed:

- a. Zoning Bylaws (version: May 14, 2012)
- b. Subdivision Rules and Regulations (effective: May 24, 2012)
- c. Smart Growth Overlay District Bylaw
- d. Design Standards for the town of Ludlow Chapter 40R Smart Growth Overlay District (version: May 13, 2011)
- e. Regulations for Construction within the Public Way (version: October 2012)

For Chicopee, the following ordinances and regulations were reviewed:

- a. current City Code Chapter 275
- b. Subdivision Regulations (April 7, 2005 version) for the right of way and parking lot guidelines that influence the creation of impervious cover

For each community the reports were submitted to the Planning Department and Department of Public Works for review and comment. The green infrastructure checklist and reports will also be presented to the Connecticut River Stormwater Committee at their February 12, 2013 meeting.

Outreach to Industrial Facilities

Also funded under the Clean Water Action SEP, PVPC performed outreach to industrial facilities with a NPDES Multi-Sector General Permit. The U.S. EPA Region 1 office provided a list of the NPDES Multi Sector General Permit holders in Hampshire and Hampden counties. During the summer of 2012, PVPC reviewed electronic submissions of their annual NPDES reports, and conducted phone interviews with a representative at each company to discuss their MSGP annual report submittals and to identify if training and/or outreach was needed to help them comply. Surprisingly, each of the representatives spoken to could not identify further training

and/or assistance needed. Overall, there seemed to be a lack of interest, or perhaps a wariness, to talk with a representative outside of their company about this regulatory compliance issue despite the fact that we emphasized that we were not a regulatory or enforcement entity. This wariness should be considered when conducting future outreach, and some means to incentivize the discussion needs to be considered.

Building Inspectors Workshop Planning

In follow up to the two workshops sponsored by PVPC on Green Infrastructure and Low Impact Development for municipal officials (1/30/12 Best Management Practices; 2/13/12 Exploring the Possibilities: Building Green Infrastructure in Your Community), we attempted to plan a third workshop targeting building inspectors. Building Inspectors are generally the Zoning Code Enforcement Officers as well as the entity that signs off on Building Permits. It is important that they are knowledgeable about green infrastructure, local stormwater bylaws, and the NPDES MS4 requirements and overview. Our intention is to work with the Western Mass Building Inspectors Association to co-host this workshop at one of their existing meetings to draw a larger crowd. It is our intention to offer CEUs for the workshop. However the Association contacts have been unresponsive for 8 months now. The Southwick Building Inspector offered to help contact the organization as he is a member, but he has not been able to connect us with the Association. This effort has been tabled until further notice.

TURI Grant – Organic Landcare at 5 Municipal Parks – Spring Outreach Events

2012 was the second half of a one year grant (September 2011 – June 30, 2012) from the Toxics Use Reduction Institute (TURI) at UMASS Lowell to promote organic landcare at municipal parks. PVPC received a Toxics Use Reduction Institute Grant (TURI) from UMASS Lowell to transition five municipal parks to organic land care programs. Participating parks included:

- *School Street Park, Agawam* - Within walking distance of the Connecticut River, School Street Park features 50 acres of land with four multi-purpose athletic fields, a handicap accessible playscape, a basketball court, shuffleboard and bocce ball courts, walking trails, picnic tables, and a historic barn. The park has a high volume of adult and children using the park.
- *Look Park, Northampton* – Look Park offers recreational opportunities for walkers, runners, bikers, etc. One of the focal points of the park is a grass 2,200 person capacity outdoor concert theatre. Earlier this year, through the use of a TURI grant this outdoor theater transitioned to a petrochemical and pesticide free venue.
- *Greenwood Park, Longmeadow* – The Park abuts Greenwood Center which houses the Council on Aging and the Longmeadow Park and Recreation Childcare Center. The Childcare Center uses Greenwood Park daily for its outdoor activities, as does the Council on Aging for certain seasonal events.
- *Town Center Park, Ludlow* – The Town plans to, with the help of this grant, transition a park where the summer community concert series is held pesticide and petrochemical free. The park is located in a highly visible area in the center of Town and the concert series is well attended.
- *Wistariahurst Museum grounds, Holyoke* - In 1959, Wistariahurst was given to the City of Holyoke for cultural and educational purposes. The grounds contain extensive

ornamental gardens and an expansive lawn. The Museum is home to the Master Gardener's Association and hosts weekly meetings and multiple plant sales and regional conferences throughout the year.

In 2012, the following outreach events were held:

- Friday, March 16, 2012 - Going Organic for Landscape Contractors 8am-noon – workshop for traditional landscape contractors, co-sponsored by Valley Green in Holyoke.
- Tuesday, April 24, 2012 – Week of the Young Child Parade, Ludlow –Think Blue display booth, donated the story walk “All the Way to the Ocean” by Joel Harper.
- Saturday, April 28, 2012 -Agawam Little League Jamboree and Earth Day celebration Think Blue display booth
- Saturday, May 12, 2012 – Look Park Lawnathon with Paul Tukey of Safelawns Foundation
- Saturday, May 19, 2012 – Longmeadow Days on the Town Common – Think Blue display booth with the DPW

EPA Soak Up the Rain Campaign

EPA has requested our assistance in promoting their new “Soak Up the Rain Campaign” by promoting rain gardens and other LID systems in the Pioneer Valley. PVPC is in negotiation with EPA about establishing a contract for programming in 2013.

Outreach and Training Events

“Skip the Scotts” at the Western Mass Master Gardener’s Annual Symposium on Saturday, March 31, 2012 at Dean Technical High School in Holyoke. This workshop targeted residential lawn owners about how to transition to organic lawn care practices.

The Green Infrastructure Workshop presentations (1/30/12 BMPs; 2/13/12 Exploring the Possibilities: Building Green Infrastructure in Your Community) are available at:
<http://www.sustainableknowledgecorridor.org/site/content/green-infrastructure>

Updated Greenscapes Guide

In collaboration with the Greenscapes Coalition, the Greenscapes Guide was updated. Copies were distributed to member communities for distribution at town offices, and are available at outreach events.

Community Innovation Challenge Grant Application

PVPC submitted a \$500,000 grant application to the MA Department of Finance and Administration’s Community Innovation Challenge Grant Program for the following services:
Task 1: Storm sewer database software implementation with mobile device application
Task 2: Outfall Mapping, Monitoring, and Illicit Detection Program
Task 3: Model Stormwater Pollution Prevention Plans (SWPPP) for MS4 Owned Facilities
Task 4: Pilot Cost Optimization Modeling for Nitrogen Removal
Task 5: Regional Education and Outreach Utilizing PVPC’s Think Blue Campaign

The grant was not funded due to a significant budget cut by the Governor.

General Administration

- FY12 Work Plan and Budget (July 1, 2012 – June 30, 2013)
- Many Stormwater Committee members also participated in the development of the Pioneer Valley Green Infrastructure Plan, coordinated by Patty Gambarini at PVPC. The GI Plan provides a detailed analysis of opportunities for green infrastructure in the Pioneer Valley, and sets for the plan for implementing more projects in the coming years. The Stormwater Committee will continue to participate in promoting green infrastructure.
- Meeting Dates – The Stormwater Committee met four times in 2012:

February 3, 2012

April 5, 2012

June 8, 2012

September 10, 2012

Chicopee High School Stormwater Monitoring Program

Bemis Pond

<u>Date:</u>	<u>pH:</u>	<u>Alkalinity</u>	<u>DO:</u>	<u>Turbidity</u>	<u>TColiform</u>	<u>E Coli:</u>	<u>Hardness:</u>	<u>Ammonia:</u>	<u>Nitrate:</u>	<u>Chloride:</u>	<u>Nitrite:</u>	<u>Phosphorus</u>	<u>Iron:</u>	<u>Weather</u>
12/6/2012	7.11	12.6	20				125	0.2				0.21	2.4	
12/13/2012	8.86	128.8	15.8	1			120	0.6	0.8	175	0.02	0.59	1.4	

Chicopee High School Stormwater Monitoring Program

Chicopee River

<u>Date:</u>	<u>pH:</u>	<u>Alkalinity</u>	<u>DO:</u>	<u>Turbidity</u>	<u>TColiform</u>	<u>E Coli:</u>	<u>Hardness:</u>	<u>Ammonia:</u>	<u>Nitrate:</u>	<u>Chloride:</u>	<u>Nitrite:</u>	<u>Phosphorus</u>	<u>Iron:</u>	<u>Weather</u>
10/25/2012	6.83	18.5	9.6	6		8	29.2		0.23	40	0.001		0.6	
11/1/2012	7.05	17	10.4	5		111	23.8	0		34	0.005	0.22	0.48	
11/8/2012	7.18	10	13.8	10			30.1	0	0.7	35	0	0.32	0.49	
11/15/2012	7.35	12	12.3	0		16	29.9	0.03	1	10	0.007	0.11	0.38	
11/29/2012	7.5	33	13.2	9		130	44	0.05	0.6	37.5	0	0.35	0.25	
12/6/2012	7.22	22.5	14.5	6			33.2	0.01	1.2	40		0.26	0.44	
12/13/2012	6.67	14	13.7	15			109	0.02	3.3	39	0.028	0.29	0.25	
12/20/2012	6.29	27	15	6			110	0.08		37	0.5	0.19	0.39	

Chicopee High School Stormwater Monitoring Program

Conn. River

<u>Date:</u>	<u>pH:</u>	<u>Alkalinity</u>	<u>DO:</u>	<u>Turbidity</u>	<u>TColiform</u>	<u>E Coli:</u>	<u>Hardness:</u>	<u>Ammonia:</u>	<u>Nitrate:</u>	<u>Chloride:</u>	<u>Nitrite:</u>	<u>Phosphorus</u>	<u>Iron:</u>	<u>Weather</u>
10/25/2012	6.8	15	10.4	0		16			2.8	18.5	0.01		0.21	
11/1/2012	7.23	21.5	11.2	24		30	3.14	0	0.6	20	0.001	0.32	0.41	
11/8/2012	7.01	19	12.3	12			28.6	0	1	23	0.002	0.16	0.27	
11/15/2012	7.15	21	14.6	5		44	36.1	0.05	0.3	26	0.004	0.2	0.26	
11/29/2012	7.16	35	14.1	14		167	56.4	0.07	0.7	30	0.009	0.23	0.16	
12/6/2012	7.07	35	13.3	20			121	0.6	1.4	30		0.1	0.25	
12/13/2012	6.60	34	15.8	5			132	0.05	0.6	30	0.001	0.19	0.41	
12/20/2012	6.45	30	13.4	37			116	0.05	0.1	26	0.05	0.19	0.39	

Chicopee High School Stormwater Monitoring Program

Mt. Lake

<u>Date:</u>	<u>pH:</u>	<u>Alkalinity</u>	<u>DO:</u>	<u>Turbidity</u>	<u>TColiform</u>	<u>E Coli:</u>	<u>Hardness:</u>	<u>Ammonia:</u>	<u>Nitrate:</u>	<u>Chloride:</u>	<u>Nitrite:</u>	<u>Phosphorus</u>	<u>Iron:</u>	<u>Weather</u>
10/25/2012	6.6		10.2	9		22		0	1.5			0.29	0.51	
11/1/2012	6.78		10.2	3		48	68	0	1.7	101.5	0.003	0.25	0.4	
11/8/2012	6.80	15	12.32	3				0	1.3	15	0	0.89	0.45	
11/15/2012	7.01	16	12.4	1		36	61.2	0	1.4	125	0	0.23	0.35	
11/29/2012	7.15	11	13.1	9		12	66.8	0.02	0.9	150	0.002	0.3	0.42	
12/6/2012	7.09	27	12.9	23				0.01	2	170		0.63	0.47	
12/13/2012	6.5	21	14.2				123	0.04	0.9	21.5	0.001	0.19	0.32	
12/20/2012	6.38	27	12.9	7			138	0.05	0.3	149	0.003	0.09	0.21	

How are we doing? Would you please let us know?

Chicopee Water Pollution Control - WPC -

How was:

- 1) The quality & completeness of the on-site service?
☐ Poor ☐ Fair ☐ Good ☐ Excellent ☐ Outstanding
- 2) Your WPC Crew's knowledge & experience?
☐ Poor ☐ Fair ☐ Good ☐ Excellent ☐ Outstanding
- 3) Do you support higher sewer/storm fees for cleaner Chicopee & Conn. Rivers?
☐ Yes ☐ No
- 4) Do you support a higher sewer/storm fee to separate storm & sewer pipes to stop sewer backups?
☐ Yes ☐ No

Thank You

Overall, what is your impression of the services provided by WPC - Staff?

☐ Poor ☐ Fair ☐ Good ☐ Excellent ☐ Outstanding

Comments? Suggestions? (How could we improve our services to you?)

Name (optional):



A Catch Basin Cleaning Crew from the City of Chicopee Visited Your Neighborhood Today

(Date) & (Initial)

A City of Chicopee catch basin cleaning truck was here today to keep your catch basin in good working order. Catch basins are the openings in the curb and street that allow rain water to drain from outside your home to the storm drain system underground. Catch basins are a vital part of the City's emergency network to prevent flooding.

When catch basins become clogged with trash and debris, they usually smell bad, attract rodents and flies, and during a rain storm may cause flooding in your neighborhood. A clean catch basin helps make a healthier neighborhood, and keeps us safe during the rainy season. It also means a cleaner river.

Our storm drain system moves water from your home directly to the river or a combined sewer overflow (CSO) with little or no treatment. The trash, debris and harmful chemicals that end up in the catch basin pollute our rivers.

So remember . . . **Storm Drains are for Rainwater Only!**

What Can You Do to Help?

The pollution in storm drains comes from things we do every day, which means it is an every day problem. The good news is that we can all be part of the solution. Here are eight things you can do to keep your neighborhood's catch basins and our storm drain system clean:

1. **DON'T LITTER!** Never throw waste of any kind into a catch basin or on the street. Everything winds up in the storm drains and goes straight to the river.
2. Don't over-water your lawn and garden, and be careful about using pesticides, herbicides and fertilizers.
3. **Keep these things out of the catch basin:** gas, oil and antifreeze from cars, pesticides and fertilizers from lawns and gardens; and animal wastes.
4. Sweep your driveways and sidewalks — never use a hose.
5. Pick up after your pets.
6. Wash cars on grass or gravel surfaces.
7. Report trash dumping on streets or in alleys.
8. Remove leaves from top of catch basins.

**Call 594-3585 to Report Trash
Dumping or a Clogged Catch Basin.**

Keep Our City's Catch Basins Clean
Board of Sewer Commissioners



It is our mission to enhance our environment, to preserve natural resources and to protect the public health of our community.

In order to provide better and reliable service:

This street is scheduled to have the sewer main pipeline cleaned by City of Chicopee crews on _____ between the hours of _____.

This work is done to reduce sewer back-ups, street flooding, and foul odors. A high-pressure sewer "vactor" truck is used to clean the pipe. This cleaning process usually is performed without any inconvenience to the resident.

While very rarely there is a problem, occasionally a resident may experience:

- Water back up into homes that have sinks and drains in the basement.
- Water in the toilets may make 'gurgling' sounds.
- Water in the drains of sinks and toilets may drain.
- Water level in toilets may rise.

Recommendations:

- Close shut-off valve (if you have one) when the truck is in front of your residence or if no one is home that day.
- Close lid to your toilets.
- Put old towel over toilet lid.
- After the truck leaves or when someone comes home, run water for about thirty seconds in all sinks and flush toilets once to refill water traps.

This is only a precautionary measure. It is very rare that these problems occur. If you have any questions or concerns do not hesitate to call 594-3585.

Sincerely,
Board of Sewer Commissioners

THINK MORE IS BETTER?
TELL THAT TO THE FISH.

When you fertilize your lawn, right before you mow, or
when you mow, it can flow into rivers, streams and bays,
harming plants and animals.

Help keep our waters blue...use less
fertilizer, use it at the right time, and keep it
on your lawn.

www.ThinkAgainThinkBlue.org



THINK AGAIN
THINK BLUE



CITY OF CHICOPEE

DEPARTMENT OF PUBLIC WORKS

Stanley W. Kulig, P.E.
Superintendent

Steven J. Frederick, P.E.
City Engineer

CY '12 ANNUAL REPORT DPW EDUCATION & OUTREACH TASKS

Employee Training – October 6th, 2012

Pre-event refresher training for all DPW personnel involved with hazardous and universal waste handling during upcoming HHW Drop-Off

Household Hazardous Waste Drop-Off Day – October 6th, 2012

Collected 410 gallons used motor oil, 36 vehicle batteries, 3731 linear feet of mercury-containing fluorescent light bulbs, 2,030gal liquid HW, including 1,096 gallons oil-based paint

Public Announcements –

For HHW event: Televised Aldermanic meeting September 17th, 2012

Cable Access Channel: run from September 5th to the 19th, 2012

HHW Registration form and confirmation letter in city hall offices

Local Newspaper: Chicopee Register September 5th edition

Public posting: Public Library-Main Branch, City Hall entrances,
Chicopee landfill, Chicopee DPW

16-foot canvas poster displayed at DPW front gate

HHW downloadable sign-up form and information sheet is made
available to all residents on the web site www.chicopeema.gov

2012 trash pickup schedule sent to 24,000+ homes

For certain HW drop-off during the year: Posting at DPW front counter and at landfill

Respectfully submitted,

Barry Brouillard
Environmental Programs Coordinator

"COMMITTED TO PUBLIC SERVICE"

115 Baskin Drive • Chicopee, MA 01020

Administration (413) 594-3557 • Fax (413) 594-3569

Engineering (413) 594-3416 • Fax (413) 594-3441



Chicopee Recycles!

Household Hazardous Waste Day

413/594-3557

Pick Up Registration
Form Now



Hazardous waste accepted during the year at DPW BY APPOINTMENT ONLY:

- Oil-based paint, oil-based stain, and oil-based polyurethane – all must be fluid, not solid
Must be in original cans with readable labels, minimum quart, maximum 5 gallon size
- Motor oil*, clean and not mixed with water, gas, diesel, or antifreeze;
OIL CAN BE MIXED WITH BRAKE*, HYDRAULIC*, OR TRANSMISSION FLUID* ONLY
***These fluids are not accepted in June, July, or August to meet state requirements**
- Antifreeze
- Car batteries, button batteries, and rechargeables; (household batteries can be thrown away)
- Fluorescent light bulbs, including compact fluorescents
- Thermometers & thermostats
- Elemental mercury (Hg)
- Mercury-containing items such as ballasts and high-intensity bulbs

The above items cannot be placed in your trash – dry, empty containers can be thrown away

Please transport hazardous items safely-contain leaks within another container with absorbent.

DPW reserves the right to refuse items based on their nature or quantity.

The above items are accepted during months May-October **by appointment.**

Contact Barry Brouillard, DPW Environmental Coordinator at 594-3557 to leave a detailed message or email at bbrouillard@chicopeema.gov to schedule a drop-off appointment time.

A Message from Mayor Michael D. Bissonnette

Thank you for taking the time to keep Chicopee clean by recycling and properly disposing of your waste. Every time we recycle, we help to prolong the use of the Chicopee Landfill by keeping materials that we can reuse out of it. Thanks to you, recycling is 40% higher and trash weights are lower, resulting in lower taxes to our homeowners and taxpayers.

If you have any questions, comments or suggestions on how we can keep Chicopee clean and environmentally friendly, please call my office at 413-594-1500.

Mayor Michael D. Bissonnette

WHAT IS RECYCLABLE?

- Metal food cans, glass jars, bottles and plastics labeled #1 - #7, gift wrap and tissue paper
- All paper, magazines, soft cover books, junk mail, envelopes and shredded paper in paper bags
- Cardboard boxes, empty and flattened
- Gift, cereal, shoe, and frozen dinner boxes

WHAT IS NOT RECYCLABLE?

- Hangers, styrofoam, flower pots, metallic gift wrap, tinsel, bows or ribbons
- Pizza boxes or containers with food inside, please rinse out
- Paper plates, napkins, towels or kleenex
- Small appliances, light bulbs, plastic bags, dishes, glasses or plastic utensils

Extra recycling carts available at the DPW

BULK ITEMS DROP-OFF AT CHICOPEE LANDFILL

FREE to all residents in personal vehicles (cars, vans, small trailers, pickup trucks)

Residents must pre-register at the Landfill or by calling the DPW at 413-594-3557

A current valid Driver's License is required to enter the landfill drop-off area

Landfill Hours: Tuesday - Friday 7am -4pm, Saturday 7am -12pm, CLOSED MONDAY

Landfill address: 161 New Lombard Rd., off of Burnett Rd.

WHAT YOU CAN BRING

- Household trash and yard waste**
- Appliances*, scrap metal* and furniture*
- Mattresses and box springs*
- TV/computer monitors* and electronics*
- Structural wood* and renovation materials
- Propane tanks from gas grills*
- Fluorescent light bulbs*
- Refrigerators*, freezers* and A/C's *
- Recycling (cans, bottles, paper, cardboard) **

WHAT YOU CANNOT BRING

- Asphalt, brick and concrete
- Paint and paint products
- Hazardous Waste
- Medical Waste
- Industrial Waste
- Asbestos
- Liquids
- Vehicles or vehicle parts

***CANNOT BE PICKED UP CURBSIDE ** CANNOT BE MIXED WITH TRASH**

HAZARDOUS WASTE DROP-OFF DAY – SATURDAY, OCTOBER 6, 2012

LOCATION: DPW PARKING LOT AT 115 BASKIN DR., OFF OF FULLER RD.

Pre-register in September; look for ads in the Chicopee Register and on Channel 5

For the latest news, events, school closings, parking bans and emergency information, go to:

www.chicopeema.gov



CITY OF CHICOPEE

2012 CURBSIDE COLLECTION SCHEDULE

TRASH – RECYCLING – YARD WASTE

Note: Sanitation collections will be delayed one day after every noted holiday in calendar.

☐ DENOTES HOLIDAY

January						
	S	M	T	W	T	F
Y	1	2	3	4	5	6
R	8	9	10	11	12	13
Y	15	16	17	18	19	20
R	22	23	24	25	26	27
Y	29	30	31			

February						
	S	M	T	W	T	F
Y				1	2	3
R	5	6	7	8	9	10
Y	12	13	14	15	16	17
R	19	20	21	22	23	24
Y	26	27	28	29		

March						
	S	M	T	W	T	F
Y					1	2
R	4	5	6	7	8	9
Y	11	12	13	14	15	16
R	18	19	20	21	22	23
Y	25	26	27	28	29	30

April						
	S	M	T	W	T	F
R	1	2	3	4	5	6
Y	8	9	10	11	12	13
R	15	16	17	18	19	20
Y	22	23	24	25	26	27
R	29	30				

May						
	S	M	T	W	T	F
R			1	2	3	4
Y	6	7	8	9	10	11
R	13	14	15	16	17	18
Y	20	21	22	23	24	25
R	27	28	29	30	31	

June						
	S	M	T	W	T	F
R					1	2
Y	3	4	5	6	7	8
R	10	11	12	13	14	15
Y	17	18	19	20	21	22
R	24	25	26	27	28	29

July						
	S	M	T	W	T	F
Y	1	2	3	4	5	6
R	8	9	10	11	12	13
Y	15	16	17	18	19	20
R	22	23	24	25	26	27
Y	29	30	31			

August						
	S	M	T	W	T	F
Y				1	2	3
R	5	6	7	8	9	10
Y	12	13	14	15	16	17
R	19	20	21	22	23	24
Y	26	27	28	29	30	31

September						
	S	M	T	W	T	F
Y						1
R	2	3	4	5	6	7
Y	9	10	11	12	13	14
R	16	17	18	19	20	21
Y	23	24	25	26	27	28
R	30					

October						
	S	M	T	W	T	F
R		1	2	3	4	5
Y	7	8	9	10	11	12
R	14	15	16	17	18	19
Y	21	22	23	24	25	26
R	28	29	30	31		

November						
	S	M	T	W	T	F
R					1	2
Y	4	5	6	7	8	9
R	11	12	13	14	15	16
Y	18	19	20	21	22	23
R	25	26	27	28	29	30

December						
	S	M	T	W	T	F
R						1
Y	2	3	4	5	6	7
R	9	10	11	12	13	14
Y	16	17	18	19	20	21
R	23	24	25	26	27	28
Y	30	31				

TRASH IS COLLECTED WEEKLY

☐ R= Recycling Week

☐ Y= Yard Waste Week

- Green Recycling Carts Required, NO plastic bags
- Cardboard Boxes can be flat and left next to the cart
- NO trash in cardboard boxes or in Recycling Carts
- Please separate all recycling from trash

- Yard waste can be placed in paper bags, open cardboard boxes, uncovered, unlined 32-gallon volume maximum barrels – NO large barrels
- Branches/Brush 3' long by 3" around and tied

SCRAP METAL AND BUILDING WOOD IS NO LONGER COLLECTED CURBSIDE - SELF HAUL TO LANDFILL
 Rubbish – Recycling – Yard Waste must be out by 7 AM
 No earlier than 7 PM the day before pickup - Maximum 32 Gallon Barrels
 Place barrels, bags several feet apart from recycling carts & yard waste for efficient pickup

Thank you for your attention and cooperation
Michael D. Bissonnette, Mayor

DPW Hotline 413-594-3557 or www.chicopeema.gov
Chicopee Department of Public Works

HOUSEHOLD HAZARDOUS WASTE DROP-OFF DAY

SATURDAY, OCTOBER 6th

REGISTER NOW



CHICOPEE SCHOOLS COMMUNITY TELEVISION - CABLE CHANNEL 5 **COMMUNITY BULLETIN BOARD FOR NON-PROFIT ORGANIZATIONS**

define to be used when submitting messages for our Community Bulletin Board. Because of limited space available, events happening in Chicopee will be given priority over events happening in other cities or towns. All messages are limited to Non-Profit Organizations. LISTINGS MUST BE SUBMITTED AT LEAST 72 HOURS BEFORE YOU WANT THEM TO APPEAR AND WILL RUN A MAXIMUM OF 1-2 WEEKS FROM START DATE. Messages are limited to 30 characters across and 8 lines down. Please list your announcement EXACTLY as you want it to appear. It will automatically be centered. Do not use more spaces than shown or your message will not break one word into two lines. Please use punctuation and remember that commas, periods, etc. each use one space. For your convenience, make additional copies for use in the future, or use a separate piece of paper and use these guidelines of 8 lines down and 30 characters across.

or using Chicopee Schools Community TV - Cable Channel 5.

Start Date:

Sept. 5th

(runs 2 weeks maximum)

Thank you.

H	O	U	S	E	H	O	L	D		H	A	Z	A	R	D	O	U	S		P	R	O	D	U	C	T	S		
S	A	T	U	R	D	A	Y	,		O	C	T	O	B	E	R		6	T	H	,		9	A	M	-	1	2	
P	R	E	-	R	E	G	I	S	T	R	A	T	I	O	N		I	S		R	E	Q	U	I	R	E	D	.	
S	I	G	N		U	P		W	I	T	H		C	U	T	-	A	N	D	-	M	A	I	L		F	O	R	M
A	T		M	O	S	T		C	I	T	Y		H	A	L	L		O	F	F	I	C	E	S	,		D	P	W
E	L	E	C	T	R	I	C		L	I	G	H	T	,		L	A	N	D	F	I	L	L	,		A	N	D	
O	N	L	I	N	E		A	T		C	H	I	C	O	P	E	E	M	A	.	G	O	V						

Ms. Janet Benard

Chicopee Public Schools
 Telecommunications Dept.
 617 Montgomery St.
 Chicopee, MA 01020

(413) 594-3442

Submitted by -

Name:

Barry Bragillard

Address:

715 Barkin Dr.
Chicopee MA 01020

Phone:

594-2557

594-3569 (fax)

Organization:

Chicopee DPW

City of Chicopee, Massachusetts
Department of Planning & Development
Development Projects Reviewed for
Stormwater Management Compliance in 2012

In addition to the larger projects listed below the Planning and Conservation Department reviewed 14 building permit applications for single -family residences. Zoning regulations require stormwater management for all new construction.

Chicopee Soccer Complex <i>Don Cameron</i>	First Ave. <i>Indoor/Outdoor Soccer/Recreation</i>	Site plan review included review of stormwater management system for onsite retention, treatment and infiltration.
Interstate Towing <i>Jeremy Procon</i>	Westover Rd. <i>Addition to existing building.</i>	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.
Chicopee Solar – Citizens Energy Solar Farm <i>Chicopee Solar LLC.</i>	Memorial Dr./Pendleton Ave. <i>Solar Panel array.</i>	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.
My Kids Dentist – Dental Office <i>Montgomery Development Group LLC.</i>	Bay State Rd. <i>Dental Office building</i>	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.
Bertera Chrysler Jeep <i>Aldo Bertera</i>	Memorial Dr. (former Topor Dodge) <i>Addition to existing building and reorganization of parking</i>	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.
Elms College Science Center <i>Brian Doherty</i>	Springfield St. New Science Center building	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.
RiverMills Community Center <i>City Of Chicopee</i>	West Main St. <i>New Senior/Community Center</i>	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.
Friendly's <i>Friendly's Restaurants LLC.</i>	Memorial Dr. <i>Renovations and parking adjustments</i>	Site plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration.

- Served on the Green Infrastructure Planning Committee convened by Pioneer Valley Planning Commission to develop a regional plan to improve storm water management practices. See http://pvpc.org/resource_center/projects-plans.shtml for content.
- Participated in a Building Green Infrastructure workshop held at Holyoke Community College sponsored by pioneer Valley Planning Commission.

Joe Kietner

From: Bill Wood

Sent: Wednesday, March 13, 2013 7:25 AM

To: Allan Sbrega; Bill Wood; Bob Paquette; Boisjolie, Kurt (DEP); Brian Fitzgerald (fitzgerb@ci.holyoke.ma.us); Craig Biela; Fletcher Shepard; George Harding (harding.george@epa.gov); Helen Caulton (hcaulton@springfieldcityhall.com); Jean Galloway (jgalloway@west-springfield.ma.us); Joe Kietner; Laurie Catarino; Laurie Goff; Lisa Sanders; Nils Lucander; Phil Touchette; Robert Roske; Roy Guilmain; Steve Patuano; Thomas Shea

Subject: Chicopee Jones Ferry CSO Notification

Chicopee Jones Ferry CSO Notification

03/19/2013

Dear Health Official:

Please be advised that precipitation (as recorded at the Chicopee Water Pollution Control Facility) within the previous (24 hrs) hours may have resulted in combined sewer overflow discharges from the City of Chicopee's sewage collection system to both the Connecticut and Chicopee Rivers. These discharges may have negative water quality impacts downstream including the Connecticut River adjacent to your community. Swimming, fishing, boating and other uses which may involve water contact is discouraged.

*Bill Wood
Senior Pump Station Operator
Chicopee WPC
(413)594-1572 Ext. 200 Phone
(413)594-3585 Phone
(413)594-3588 Fax
(413)262-8921 Cell
bwood@chicopeema.gov*

3/15/2013



CITY OF CHICOPEE

DEPARTMENT OF PUBLIC WORKS



Stanley W. Kulig, P.E.
Superintendent

Thomas Hamel
Project Supervisor

Thomas Shea
Chief Operator

TO: JOE KIETNER, ENVIRONMENTAL COMPLIANCE SUPERVISOR
FROM: LAURIE GOFF, PRETREATMENT COORDINATOR

DATE: MARCH 19, 2013

RE: REQUIRED INFORMATION FOR ANNUAL STORMWATER MANAGEMENT COMPLIANCE REPORT

This correspondence is intended to fulfill the Industrial Pretreatment Program's reporting requirements for inclusion in the Stormwater Management Compliance Annual Report to EPA.

IPP staff completed the following tasks during 2012:

- The Industrial Pretreatment Program's effectiveness is evaluated as required annually each March 1st. This includes the demonstration that EPA requirements for Industrial User monitoring, inspecting, enforcement, and permitting has been satisfied. During 2013, the City also reviewed existing local discharge limitations, showing they are sufficiently protective to the POTW and its workers, its receiving stream, and sludge disposal options. The City's IPP is appropriately funded and staffed. The reports submitted for calendar year 2012 will be provided to you upon request.
- WPC staff involved the public in projects during 2012. During the spring, water quality sampling and analysis was performed by students of Chicopee High School. These sites include Bemis Pond, Mountain Lake and points on both the Connecticut and Chicopee Rivers.

If I can provide any additional information, let me know.

Laurie Goff
IPP Coordinator
City of Chicopee

Pretreat/letters00/strmanrep12

Water Pollution Control

CITY OF CHICOPEE
WATER DEPARTMENT

115 Baskin Drive - Chicopee, MA. 01020
Tel 413 / 594-3420 • Fax 413 / 594-3461

Alan Starzyk
WATER SUPERINTENDENT

MEMORANDUM

TO: Joe Kietner, Environmental Compliance Supervisor

FROM: Alan Starzyk, Chicopee Water Department

DATE: March 12, 2013

SUBJECT: Storm Water Management Annual Report

Chicopee Water Department
Pollution Prevention

Listed below is the Maintenance/Prevention, and Employee Training program that the Chicopee Water Department has implemented or will implement to continue to participate in the Storm Water Phase II Requirements.

Maintenance and Prevention – Chicopee Water Treatment Plant

- a. Daily inspection of Chlorination and chemical feed apparatus
- b. Scheduled maintenance on Chlorination feed lines
- c. Tier II report outlining emergency and chemical inventory
- d. Weekly sight inspections of facilities
- e. Routine maintenance of septic system logged and dated
- f. Storage of chemicals in clearly marked and approved storage containers
- g. Routine inspection of fire extinguishers

Maintenance and Prevention – Water Department Office

- a. Weekly sight inspection of facility
- b. Storage of chemicals in clearly marked and approved storage containers
- c. Vehicle washing program which prevents soap from entering city drain lines
- d. Routine cleaning of catch basin and drains located on property
- e. Routine inspection of fire extinguishers
- f. Dechlorination of superchlorinated water used for water main disinfection

Employee Training

- a. Annual review of Material Safety Data Sheets
- b. Various safety seminars presented by vendors of purchased chemicals
- c. Safety seminars to promote a safe work environment
- d. Spill containment training for stored chemical
- e. Tanker hazard decal identification training
- f. CPR and Workplace first aid training

C-0471-30-01 (8100)
March 18, 2013

Tighe&Bond

www.tighebond.com

Joe Kietner
Environmental Compliance Supervisor
City of Chicopee
Wastewater Treatment Plant
80 Medina Street
Chicopee, MA 01013

RECEIVED
2013 MAR 19 P 1:59

POLLUTION CONTROL
CITY OF CHICOPEE

Re: Phase II Stormwater Pollution Prevention Plan Update

Dear Mr. Kietner:

This Stormwater Pollution Prevention Planning (SWPPP) update is provided on behalf of Chicopee Electric Light (CEL). This correspondence is intended to summarize the SWPPP implementation elements of the facility. We understand that this summary will be included in the City's Stormwater Phase II Update due to the EPA. Further, we recognize that implementation of the SWPPP for the facility was included in the City's original Phase II plan.

Although the multi-sector general permit (MSGP) is not required for municipal entities for activities associated with transportation facilities, specifically vehicle and fleet maintenance, CEL has chosen to proactively address the need to implement stormwater pollution prevention measures in order to assist the City with the Phase II Plan. Further, because CEL stores greater than 1,320 gallons of oil onsite, they maintain a spill prevention control and countermeasures (SPCC) plan in order to meet the Environmental Protection Agency's (EPA's) 40 CFR 112 requirements.

In past updates, we've documented the key components of CEL's SWPPP & SPCC planning efforts. We've detailed Comprehensive Site Compliance evaluations conducted at the facility jointly by Tighe & Bond and CEL representatives. Further, we've documented best management practices (BMPs) specific for facilities that conduct transportation activities. EPA refers to these activities in its Sector P of the MSGP.

A key component of CEL's pollution prevention planning is personnel training. With that in mind, over twenty CEL staff members were trained relative to SPCC planning, Emergency Planning, Community Right to Know Act (EPCRA) and Hazard Communication in March of 2013. As an electric utility with fleet vehicles, a focus of the training was preventing exposure of fuel oils and transformer oils to stormwater and releases to the environment.

CEL's stormwater discharges are authorized under National Pollutant Discharge Elimination System (NDPES) MSGP number MAR05CW66. In accordance with the 2008 MSGP, facilities that discharge to impaired waterways must monitor for all pollutants which the waterbody is impaired for and which a standard analytical method exists. CEL's stormwater discharges into the Chicopee River (segment MA36-25_2008) between Chicopee Falls and the confluence with Connecticut River, both directly and via Abbey Brook. This segment of the Chicopee River is impaired for pathogens, a pollutant for which a TMDL has not been established. The activities at the CEL facility include vehicle maintenance, fueling and washing, as well as fuel, hazardous waste and inactive transformer storage. These activities and stored materials neither produce nor contain pathogens. Additionally, there is no septic system discharge, animal waste accumulation, or illicit sanitary connections to storm sewers



at the facility. However, in accordance with U.S. EPA 2008 MSGP Monitoring Guidance for Discharges into Impaired Waters; Parameters and Methods for Operators Discharging into Massachusetts Waters, CEL samples stormwater discharges for E. coli annually and does not believe that the facility activities are contributing to the impairment of the Chicopee River. As specified in the MSGP, CEL will conduct another sampling event in 2013 and report the results to the Environmental Protection Agency.

On August 30, 2012, a Comprehensive Site Evaluation was conducted at the facility jointly by Tighe & Bond and CEL representatives. Regulated drainage areas were visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures currently in use for the purpose of reducing or eliminating pollutant loading to stormwater were evaluated to determine their effectiveness in accomplishing the terms of the MSGP. This report was submitted electronically to the EPA.

Lastly, in the next 12-18 months, CEL is anticipating minor construction activities at 725 Front Street. These construction activities shall consist of the installation of new emission controls for their existing generators (as required by the United States Environmental Protection Agency), as well as the replacement of an underground storage tank (UST) with an aboveground storage tank (AST). Portions of the generator upgrades will occur within the 200-foot Riverfront Area of Abbey Brook. The work includes the construction of three 10' x 10' concrete pads adjacent to the existing generators, as well as a temporary contractor staging area. This work will not result in an increase in impervious area. UST removal activities may extend into the 100-foot Buffer Zone of a culverted section of Abbey Brook within the CEL main facility parcel. The proposed replacement tank, which will be installed at grade, will be located within a previously developed portion of the Riverfront Area associated with the Chicopee River, as well as within the [Chapter 272] 100-foot Buffer Zone to Bordering Land Subject to Flooding. In February of 2013, CEL filed a Request for Determination (RDA) as required under the Massachusetts Wetlands Protection Act (MAWPA) and Chapter 272 of the City of Chicopee Wetlands Protection Ordinance (Chapter 272, Ordinance). In the RDA, CEL outlined specific controls to minimize any impacts to stormwater during construction. Straw wattles will be installed at the top of the vegetated slope between the proposed contractor staging area and the daylighted section of Abbey Brook. The contractor will also be required to install catchbasin inlet protection (e.g. silt sacks) to all catch basins within 100 feet of proposed activities that will disturb the ground surface.

If you have any questions or require additional information, please do not hesitate to contact me at (413) 875-1607.

Very truly yours,

TIGHE & BOND, INC.



Timothy Kucab
Environmental Compliance Specialist

Cc: James M. Lisowski, Asst. Gen. Mgr. – CEL

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CITY OF CHICOPEE

PARKS AND RECREATION DEPARTMENT



STANLEY J. WALCZAK, C.P.R.P.
Superintendent

RICHARD G. MACIOLEK
Assistant Superintendent

March 15, 2013

To: Joe Kietner, Environmental Compliance Supervisor

From: Richard Maciolek, Acting Superintendent

Re: 2012 Storm Water Management Activity Report

Dear Mr. Kietner:

Listed below is our Storm Water Management Activity Report which documents specific areas by our department in three separate sections listed to comply with necessary requirements.

A. Municipal Maintenance Activity Report

1. We continue to use a zero radius mower which eliminates clumping of grass near storm drains.
2. We continue with our Integrated Pest Management (IPM) system which provides effective and environmentally sensitive approaches to pest problems.
3. The Department carefully uses fertilizer from paved areas to prevent drain pollutions.
4. Catch basins in parks are cleaned regularly to prevent litter accumulation from entering the storm system.
5. D.P.W. Sweeper helps clean roadways in parks and cemeteries to prevent sand and salt buildup from storm water areas.
6. Paint cans and brushes are properly disposed of when product is depleted or empty.
7. The Department continues to purchase recycled plastic items such as park benches, picnic tables and players benches. This year, we will be adding new player benches and trash receptacles at Fairview, Ike Alpert and Dana Parks with recycled plastic materials.

- B.**
1. Waste oil is properly stored and removed on a regular basis. Oil spills are properly addressed by department employees.
 2. Mowers are cleaned in areas where clippings do not infiltrate storm drains.
 3. Our landscape craftsman attended a turf management seminar in Farmington, Connecticut on February 22, 2012 about the proper use of chemicals for pesticide, herbicide and insecticide applications.
 4. The grounds maintenance craftsman meets monthly with a turf company representative to review the turf application process.

5. We have converted our irrigation system to an automatic flow system which will conserve water and avoid overuse at Szot Park.

C. **Storm Water Pollution Plan**

1. Employees are trained to use a best management practice where park operations directly effect storm water concerns.
2. Continue to offer training seminars to all employees to emphasize proper handling of chemicals, oils, spill prevention and clean-up as well as other general housekeeping practices to avoid site run off problems.
3. Work with other city agencies to identify and rectify problem areas that will reduce storm water concerns.

**City of Chicopee, Massachusetts
Conservation Commission
Development Projects Reviewed for
Stormwater Management Compliance in 2012**

In addition to the larger projects listed below the Planning and Conservation Department reviewed 14 building permit applications for single -family residences. Zoning regulations require stormwater management for all new construction.

North Aldenville and Montgomery St./Sheridan St. Sewer Separation Project <i>City of Chicopee</i>	Numerous streets in project area.	Improvements to sanitary sewer and stormwater systems to reduce CSOs into Connecticut and Chicopee Rivers.
RiverMills Community Center <i>City of Chicopee</i>	West Main St. <i>New Senior/Community Center</i>	Site Plan review included review and approval of stormwater management system for onsite retention, treatment and infiltration

- Served on the Green Infrastructure Planning Committee convened by Pioneer Valley Planning Commission to develop a regional plan to improve storm water management practices. See http://pvpc.org/resource_center/projects-plans.shtml for content.
- Participated in a Building Green Infrastructure workshop held at Holyoke Community College sponsored by pioneer Valley Planning Commission.



City of Chicopee

FIRE DEPARTMENT HEADQUARTERS

80 Church Street • Chicopee, MA 01020-1815



Tel.: (413) 594-1630
Fax: (413) 594-1645

Stephen S. Burkott
Chief of the Department

March 19, 2013

Mr. Joe Kietner, Environmental Compliance Officer
Department of Public Works
80 Medina Street
Chicopee, MA 01013

RE: Annual Storm Water Management Report

Dear Mr. Kietner:

As in the past, the Chicopee Fire Department continues to maintain storm water management practices that address means of minimizing contamination of the storm water system. We continue our Best Management Practices at all of our facilities.

Best Management Practices

Hard surface areas such as apparatus floors shall be swept prior to washing. All debris will be placed in the trash. This will insure no hazardous materials or chemicals are washed down drains. All floor drains shall be cleaned after washing floors. A spill cleanup bucket with speedy dry shall be placed in each station to be used for the absorbance of liquid spills.

Landscaped areas will be maintained as required to reduce the introduction of leaves and other landscape waste into the storm water system.

Driveways and sidewalks shall be swept May 1st, August 1st and October 1st or as necessary to eliminate sand and salt from entering the water system.

A plain detailing water flow destination for each station floor drain shall be developed and submitted by the Water Department.

Vehicles are to be cleaned where runoff will be directed to the sewer system as opposed to the storm water system.

Our newer sub-station on James Street as well as the recently renovated Grattan Street fire station have oil/water separators installed.

2013 MAR 20 P 1:16
RECEIVED
POLLUTION CONTROL
DIV OF CHICOPEE

Fire Prevention pays the highest dividends ~ the saving of life and property

Training

Best Management Practices are part of recruit training and are included in this department's periodic review of departmental Standard Operating Guidelines.

Sincerely,

A handwritten signature in blue ink that reads "Stephen S. Burkott". The signature is written in a cursive style with a large, stylized "S" at the beginning.

Stephen S. Burkott
Chief of the Department

Storm Water Pollution Prevention**Date:** April 3, 2006 *D/c*

Purpose: To adopt practices to prevent and eliminate water pollution from fire department operations. The goal of the Storm Water Management guideline is to improve water quality and address water quality problems by implementation of performance standards for water run-off management.

General: The Environmental Protection Agency has mandated a Storm Water Management Program for the City of Chicopee. All city departments must comply with this mandate. The program is designed to eliminate water pollution due to water run-off. By eliminating the discharge of contaminated water into the storm water system water pollution can be greatly reduced. Several easily followed steps can be performed to reduce this pollution.

BEST MANAGEMENT PRACTICES:

Hard surface areas such as apparatus floors shall be swept prior to washing. All debris will be placed in the trash. This will insure no hazardous materials or chemicals are washed down drains. All floor drains shall be cleaned after washing floors. A spill cleanup bucket with speedy dry shall be placed in each station to be used for the absorbent of liquid spills.

Landscape areas will be maintained as required to reduce introduction of leaves and other landscape waste into the storm water system.

Driveways and sidewalks shall be swept May 1, August 1, and October 1 or as necessary to eliminate sand and salt from entering the water system.

A plan detailing water flow destination for each station floor drain shall be developed and submitted by the Water department.

Vehicles are to be cleaned where runoff will be directed to the sewer system as apposed to the storm water system.

TRAINING:

Best management practices shall become part of recruit training with an annual review of this departmental Standard Operating Guideline.

Springfield Technical Community College



One Armory Square, Suite 1, P.O. Box 9000, Springfield, MA 01102-9000
Telephone (413) 781-7822 • www.stcc.edu



October 25, 2012

Mr. Joe Kietner,
Environmental Compliance Supervisor
Chicopee Water Pollution Control
80 Medina St.
Chicopee, MA 01013

Dear Joe,

Today was another great pair of tours of the water treatment plant. Thanks to your knowledge and expertise, the Environmental Biology students have a much greater appreciation of the process of wastewater treatment and the workings of a treatment plant. I truly appreciate your continual willingness to host the class each year.

I hope the coming year is healthy and productive.

Sincerely,

A handwritten signature in dark ink, appearing to read "Ken".

Ken Petit,
Biology Department
STCC

RECEIVED
2012 OCT 31 P 2:05
WATER POLLUTION CONTROL
CITY OF CHICOPEE