



MAY 25 2016
CMT, INC.

Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2015 To March, 2016

Permit No. ILR40 0646

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Rochester Mailing Address 1: 1 Community Drive
 Mailing Address 2: _____ County: Sangamon
 City: Rochester State: IL Zip: 62563-0618 Telephone: 217-498-7192
 Contact Person: Deborah Elderton Email Address: delderton@rochesteril.org
 (Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Sangamon County State of Illinois

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

- B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.
- C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.
- D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)
- E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).
- F. Attach a list of construction projects that your entity has paid for during the reporting period.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Deborah R. Elderton
 Owner Signature:
 Deborah Elderton
 Printed Name:

May 24, 2016
 Date:
 Village Manager
 Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 WATER POLLUTION CONTROL
 COMPLIANCE ASSURANCE SECTION #19
 1021 NORTH GRAND AVENUE EAST
 POST OFFICE BOX 19276
 SPRINGFIELD, ILLINOIS 62794-9276

IL 532 2585
 WPC 691 Rev 6/10

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT FOR:
MARCH, 31 2015 TO MARCH 31, 2016
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
ILR40-0646**

ITEMS TO BE ADDRESSED BY THE VILLAGE OF ROCHESTER:

- A. No changes.**
- B. Status of compliance with permit conditions efforts to achieving BMPs is outlined in the attached BMP Implementation Schedule.**
- C. A memorandum of understanding (MOU) between the Village of Rochester and Rochester High School was approved on September 28, 2009 to facilitate water quality monitoring of local waterways. Sampling was conducted on March 20, 2016. Results are attached. Results are also attached for BIRDS POND VLMP.**
- D. Also, see attached BMP Implementation Schedule.**
- E. Not Applicable.**
- F. Construction projects paid for by the Village of Rochester:**
 - 1. 2015 Motor Fuel Tax Maintenance Program; oil and chipping of select Village streets, patching of streets, replacing deteriorating sidewalks, cleaning of roadway ditches and culverts and street sweeping.**
 - 2. Maintenance work to raise/elevate the Primary Pump Station (sewage).**
 - 3. Constructed an enclosure for road salt storage.**

Village of Rochester Stream Monitoring report by Rochester High School Envirothon Team.

Date of Sampling: May 6, 2014 4:30 to 6:30 pm

Location	DO mg/l	TDS /Conductivity ppm	pH	BOD Mg/l	E.Coli CPU/ 100 ml	Turbidity NTU	Temp C	Nitrate/ Nitrite	Phosphate (PO ₄ -) ppm *also ppm
Phillips 66	8.22	310.7	7.2	*	200	7	16.1	0/0	5
Mavis Dam	9.13	310.1	7.1	*	200	6	18.4	0/0	0
Rt 29 Bridge	8.81	322.1	7.1	*	200	6	16.4	0/0	0
Pump station	7.44	332.8	7.5	*	300	8	16.8	0/0	5

*Pump station site almost dry

Note: Phosphate has not been converted into elemental phosphorus

Date of Sampling: March 20,2016 (early Morning)

Location	DO mg/l	TDS /Conductivity ppm	pH	BOD mg/l	E.Coli CPU/ 100 ml	Turbidity NTU	Temp C	Nitrate/ Nitrite	Phosphate (P0 ₄ -) ppm also ppm
Phillips 66	7.32	316.4	7.2		500	10	5.1	1/0	10 4.37
Mavis Dam	7.58	322.1	7.3		600	10	5.3	1/0	10 4.37
Rt 29 Bridge	7.29	341.9	7.5		400	9	5.1	0/0	15 6.55
Pump station	6.6	312.6	7.5		400	8	4.8	0/0	10 4.37

BIRDS POND

Phil Voth & Harry Hendrickson monitored and removed trash from the pond seven times from March to October, each time measuring 17 parameters using the IEPA Volunteer Monitoring protocol. The pond was dyed blue on March 23 and the transparency went from 48" to 20" thereby reducing plant growth. After the Marine Biochemists hooked up the aerator, the oxygen saturation ranged from 61% to 157% or 5.3 ppm to 16.5 ppm. There was virtually no pond stratification due to the aerators. The temperature ranged from 50 to 84 degrees Fahrenheit. Especially after heavy rains in June, the phosphorus (P) exceeded the 50 ppb maximum desirable level. We know that P is the limiting nutrient for this pond and high levels result in excessive algae and waterweed growth. We have heard many complaints about excessive algae growth which covered more than 5% of the pond at times. To control it we must limit P input to the pond, by NOT USING FERTILIZER WITH P. Please **keep P out of our OND** and if you have a commercial lawn service, specifically require them to use a **NO P fertilizer**. Since most of PFPFA storm sewers drain into the pond, please remember that anything on the streets or runoff from your lot ends up in the pond. Our pond chemical applicator, Marine Biochemists, treated the pond at least monthly with chelated copper sulfate (Cutrine plus) to reduce algae growth and occasionally with Aquathol (endothall) to reduce weeds. These treatments do not remove organic matter or nutrients from the pond, they just settle on the bottom. There were no LEAP grants from IEPA this year despite their being pass-through federal funds, therefore no fish census or education events. Our **plan for 2016** is to dye the pond earlier, continue Marine Biochemists services, continue monitoring, conduct a fish census and pond education event, and consider using sterile triploid grass carp to reduce weeds more naturally.

IEPA Annual Facility Inspection Report for 2015 / 2016: NPDES Permit for Storm Water Discharges from MS4: Items B & D

BMP No.	BMP Description	Measureable Goal(s)	Milestones	Documentation Required	Timeline	Status of	Still	Progress
					March 31 to March 31	Compliance	Appropriate?	
A.1	Discuss stormwater issues and trends with Village Board and Public Works Committee	Continue to educate Village Officials and staff about stormwater issues	Select & discuss one article per year from professional publication	Provide copy of article discussed	2014 / 2015	Complete	Yes	Discussed proposed revisions to ILR40 MS4 permit on 06/23/2014 Discussed asset management for SW, Community Education Through Art, reducing runoff with vegetation and IL Urban Flooding Report
			Select & discuss one article per year from professional publication		2015 / 2016	Complete	Yes	
			Select & discuss one article per year from professional publication		2016 / 2017	Incomplete	Yes	
			Select & discuss one article per year from professional publication		2017 / 2018	Incomplete	Yes	
			Select & discuss one article per year from professional publication		2018 / 2019	Incomplete	Yes	
A.6	Include stormwater information on Village website	Maintain "stormwater" tab to the Village website	Post general & updated stormwater information to Village website	Document updating efforts	2014 / 2015	Complete	Yes	See: http://www.rochesteril.org/Development/StormwaterManagement/tabid/94/Default.aspx See: http://www.rochesteril.org/Development/StormwaterManagement/tabid/94/Default.aspx
			Post general & updated stormwater information to Village website		2015 / 2016	Complete	Yes	
			Post general & updated stormwater information to Village website		2016 / 2017	Incomplete	Yes	
			Post general & updated stormwater information to Village website		2017 / 2018	Incomplete	Yes	
			Post general & updated stormwater information to Village website		2018 / 2019	Incomplete	Yes	
B.5	Volunteer monitoring of local streams and ponds	Engage the RHS in stream monitoring and PFPHA in monitoring wet bottom detention pond	Update intergovernmental agreements and provide direction on testing	Provide copy of Public of Public Works Committee meeting minutes	2014 / 2015	Incomplete	Yes	Delayed Monitoring performed by RHS staff & students
			Continue RHS & PFPHA monitoring of streams & ponds; compile data		2015 / 2016	Complete	Yes	
			Continue RHS & PFPHA monitoring of streams & ponds; compile data		2016 / 2017	Incomplete	Yes	
			Continue RHS & PFPHA monitoring of streams & ponds; compile data		2017 / 2018	Incomplete	Yes	
			Continue RHS & PFPHA monitoring of streams & ponds; compile data		2018 / 2019	Incomplete	Yes	
C.1	Maintain and update watershed and storm sewer mapping	Maintain & update watershed and storm sewer mapping	Continue updating mapping & storm sewer information as available	Provide copy of updated watershed & storm sewer system map	2014 / 2015	Complete	Yes	No new information provided or discovered No new information provided or discovered
			Continue updating mapping & storm sewer information as available		2015 / 2016	Complete	Yes	
			Continue updating mapping & storm sewer information as available		2016 / 2017	Incomplete	Yes	
			Continue updating mapping & storm sewer information as available		2017 / 2018	Incomplete	Yes	
			Continue updating mapping & storm sewer information as available		2018 / 2019	Incomplete	Yes	
C.2	Implement Illicit Discharge and Elimination Plan (IDDE)	Perform dry weather screening of stormwater outfalls & follow response procedures in IDDE plan	Perform dry weather screening & follow response procedures in IDDE	Provide copy of IDDE plan and inspection findings	2014 / 2015	Complete	Yes	Implementing IDDE plan Implementing IDDE plan
			Perform dry weather screening & follow response procedures in IDDE		2015 / 2016	Complete	Yes	
			Perform dry weather screening & follow response procedures in IDDE		2016 / 2017	Incomplete	Yes	
			Perform dry weather screening & follow response procedures in IDDE		2017 / 2018	Incomplete	Yes	
			Perform dry weather screening & follow response procedures in IDDE		2018 / 2019	Incomplete	Yes	
D.1 & D.2	Perform construction site inspections to ensure compliance with Village erosion and sediment control requirements - Chapter 35-11 and BMPs	Perform construction site inspections annually, as necessary	Enforce Village Code 35-11, as necessary	Provide copy of Code & enforcement efforts	2014 / 2015	Complete	Yes	Village Center development site inspected No new construction
			Enforce Village Code 35-11, as necessary		2015 / 2016	Complete	Yes	
			Enforce Village Code 35-11, as necessary		2016 / 2017	Incomplete	Yes	
			Enforce Village Code 35-11, as necessary		2017 / 2018	Incomplete	Yes	
			Enforce Village Code 35-11, as necessary		2018 / 2019	Incomplete	Yes	
D.4	Perform construction site inspections to ensure compliance with Village erosion and sediment control requirements - Chapter 35-11 and BMPs	Review plans for disturbing activities proposed to disturb greater than 1 acre & 5,000 SF within 25 feet of watercourse, document outcome	Review construction site plans & document reviews as submitted	Provide copy of plan review comments by Village Engineer	2014 / 2015	Completed	Yes	No construction plans submitted for consideration this year No construction plans submitted for consideration this year
			Review construction site plans & document reviews as submitted		2015 / 2016	Complete	Yes	
			Review construction site plans & document reviews as submitted		2016 / 2017	Incomplete	Yes	
			Review construction site plans & document reviews as submitted		2017 / 2018	Incomplete	Yes	
			Review construction site plans & document reviews as submitted		2018 / 2019	Incomplete	Yes	
D.6	Inspect and enforce Village Code Chapter 35-11 - Soil & Erosion control through Public Works Department	Inspect construction activities and document incidences of non-compliance. Issue "stop work" orders as necessary	Performed by Building Inspector or Public Works Supt as needed	Provide notes from inspections and follow-up inspections	2014 / 2015	Completed	Yes	No violations observed No violations observed
			Performed by Building Inspector or Public Works Supt as needed		2015 / 2016	Complete	Yes	
			Performed by Building Inspector or Public Works Supt as needed		2016 / 2017	Incomplete	Yes	
			Performed by Building Inspector or Public Works Supt as needed		2017 / 2018	Incomplete	Yes	
			Performed by Building Inspector or Public Works Supt as needed		2018 / 2019	Incomplete	Yes	
E.4	Review BMP Designs for proposed construction sites	Review BMP designs for proposed construction sites, as submitted	Perform BMP design review and document review comments & resolution	Provide copy of plan review letters and inspection notes	2014 / 2015	Completed	Yes	No construction plans submitted for consideration this year No construction plans submitted for consideration this year
			Perform BMP design review and document review comments & resolution		2015 / 2016	Complete	Yes	
			Perform BMP design review and document review comments & resolution		2016 / 2017	Incomplete	Yes	
			Perform BMP design review and document review comments & resolution		2017 / 2018	Incomplete	Yes	
			Perform BMP design review and document review comments & resolution		2018 / 2019	Incomplete	Yes	
E.6	Post-Construction Inspections	Inspect developments with previously approved BMPs	Perform inspections annually or more for sites deemed inadequate	Provide copy of field notes from inspection	2014 / 2015	Completed	Yes	No inspections required No inspections required
			Perform inspections annually or more for sites deemed inadequate		2015 / 2016	Complete	Yes	
			Perform inspections annually or more for sites deemed inadequate		2016 / 2017	Incomplete	Yes	
			Perform inspections annually or more for sites deemed inadequate		2017 / 2018	Incomplete	Yes	
			Perform inspections annually or more for sites deemed inadequate		2018 / 2019	Incomplete	Yes	
F.2	Maintain existing storm sewer, inlets & detention ponds to ensure functionality	Clean 20% of storm sewers & inlets, inspect 20% of detention ponds	Clean 20% of gutters and inlets annually & inspect 20% of detention ponds	Provide copy of storm sewer & detention pond system map with progress	2014 / 2015	Incomplete	Yes	Unable to perform Unable to perform
			Clean 20% of gutters and inlets annually & inspect 20% of detention ponds		2015 / 2016	Incomplete	Yes	
			Clean 20% of gutters and inlets annually & inspect 20% of detention ponds		2016 / 2017	Incomplete	Yes	
			Clean 20% of gutters and inlets annually & inspect 20% of detention ponds		2017 / 2018	Incomplete	Yes	
			Clean 20% of gutters and inlets annually & inspect 20% of detention ponds		2018 / 2019	Incomplete	Yes	