CITY OF BATAVIA

JEFFERY D. SCHIELKE
Mayor

VIA EMAIL

May 31, 2013

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Subject: **National Pollutant Discharge Elimination System, Phase II**
Permit No. ILR400288
City of Batavia 2012-2013 Annual Inspection Report

Dear Sir or Madam:

Attached is the Phase II NPDES Annual MS4 Facility Inspection Report for the City of Batavia that covers the period from March 2012 to March 2013.

Please call me at (630) 454-2757 or e-mail me at apodraza@cityofbatavia.net if you have any questions about this matter.

Sincerely,

Andrea M. Podraza, P.E., CFM
Civil Engineer

S:\Eng Shared\Stormwater-Floodplain Mgmt\NPDES Phase II\2012-2013 Annual Report\IEPA 2012-2013 Annual Report Transmittal.doc

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, 2012 To March, 2013

Permit No. ILR40 0288

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

Name: CITY OF BATAVIA Mailing Address 1: 100 N. ISLAND AVENUE

Mailing Address 2: County: Kane

City: BATAVIA State: IL Zip: 60510 Telephone: 630-454-2750

Contact Person: ANDREA M . PODRAZA, P.E., CFM Email Address: APODRAZA@CITYOFBATAVIA.NET
(Person responsible for Annual Report)

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

KANE COUNTY DUPAGE COUNTY

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 ☐
2. Public Participation/Involvement ☐
3. Illicit Discharge Detection & Elimination ☐
4. Construction Site Runoff Control ☐
5. Post-Construction Runoff Control ☐
6. Pollution Prevention/Good Housekeeping ☐

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))

Andrea M Podraza
Owner Signature:

5/31/13
Date:

ANDREA M. PODRAZA
Printed Name:

CIVIL ENGINEER
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

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
YEAR 5: 2012-2013
NPDES PERMIT FOR STORM SEWER DISCHARGES FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
BATAVIA, ILLINOIS

Item A: Changes to Best Management Practices

There have been no changes to the Best Management Practices for the six minimum control measures as originally submitted on the NOI for this reporting period.

Item B: - Status of Compliance With Permit Conditions

PERMIT CONDITION: BMP No.A4: Public Education and Outreach: Community Event

The City of Batavia will continue to assist with hosting the Environ-Expo events as they occur. Environ Expo is a free citywide event held at the Batavia City Hall to showcase ideas about conserving energy, water, and resources with the intention of making the community a cleaner, safer, more sustainable place to live.

Measurable Goal(s), including frequencies: City to host/assist with one event per year.

Milestones:
Year 1: As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. With budgets being tightened this event has been put on hold. We have shifted our focus to Classroom Education Material, BMP No. A5 for the remainder of this permit.
2. On April 14, 2012 the City of Batavia hosted The Conservation Foundation to present its Conservation @ Home program to enlighten residents how to incorporate BMPs in their own yards by the use of plants and trees. In addition the speaker, Jim Kleinwatcher, spoke about how to incorporate rain barrels and rain gardens into residential yards as well. In explaining how these plants and barrels work he illustrated how the plants roots are as deep as 15', that the plants take the water in and bring them to the roots therefore recharging the aquifer. In addition, he mentioned how incorporating these features can solve yard problems, such as reducing the rate of runoff from each lot. Additional information was available in supplied brochures from The Conservation Foundation. This year the City held the 3rd Annual Rain barrel sale online and sold about 50 rain barrels.
3. The City has obtained a copy of After the Storm produced by The Weather Channel and EPA and Batavia Public Access Television has aired it numerous times throughout the year. It explains what watersheds are and how to prevent pollution of the watershed we live in and how it affects others. It aired on BATV from March 6 & 7, 2013 two times each day.

PERMIT CONDITION: BMP No.A5: Public Education and Outreach: Classroom Education Material

The City of Batavia proposes to develop lesson plans for children/students of multiple age groups to educate them about the stormwater in and around their community. This includes stories at the library for toddler aged children, interactive worksheets and/or videos for elementary/middle school students and pseudo stormwater projects for the high school students. The engineers will have direct contact with the school for creating and implementing these projects.

Measurable Goal(s), including frequencies: City to assist in one education project as a minimum per year per age group.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. **Toddler Age Group:** Nothing was planned for this permit year, and the City has decided to switch this to middle school age group, as the toddler age group is a difficult audience to capture.

2. **Elementary School Age Group:** On Tuesday, May 22, 2012 Gary Holm, Director of Public Works spent part of the afternoon with the elementary students in an event called Truck Tales at the Batavia Public Library. During this event he read a story related to Stormwater issues, distributed pamphlets from APWA (American Public Works Association) and brought a Public Works truck for the children to view. Below is the flyer that was published for this event:

Celebrate Public Works Week

May 20-26

TRUCK TALES

Do you have a child that loves trucks?

Join Allison from the Batavia Public Library and
City of Batavia's Public Works Director, Gary Holm, for truck stories.
Then climb aboard one of the trucks from Batavia Public Works.

Children ages 5 - 8 are invited to join us on
Tuesday, May 22 at 4:00 p.m.
in the Reading Garden (weather permitting)

Please register beginning May 1 with
Youth Services at the Library, call (630) 879-4775.

3. **Middle School Age Group:** In years past the Middle School have assembled a group to do storm sewer stenciling and City Staff went to assist and explain engineering items for a contest the students were entering. This year due to time constraints and class schedules information was passed along to the teachers to explain and incorporate into their lesson plans.

4. **High School Age Group:** This year due to time constraints, staff changes at the high school and change in lesson plans the City Staff did not teach a class at the high school. The students have been made aware of events around the City that they could volunteer at to expose them to stormwater. Hopefully next school year City Staff and High School staff will be able to coordinate a project with the students.

PERMIT CONDITION: BMP No.A6: Public Education and Outreach: Other Public Education

The City of Batavia proposes to develop a database of all property owners that abut and include local streams. Best Management Practice information will be mailed and otherwise made available to these property owners to help them in preserving and maintaining the riparian areas along the streams. The City will offer assistance and educational programs toward this end also. The City's plan to acquire GIS capabilities will improve future implementation of this program.

Measurable Goal(s), including frequencies: Complete one property owner database each year with one educational mailing made and/or program held for that group of property owners that same year.

Milestones:
Year 1: Complete database for property owners along the Mahoney Creek Tributary.
Year 2: Complete database for property owners along Batavia Creek.
Year 3: Complete database for property owners along Mahoney Creek.
Year 4: Complete database for property owners along McKee Road Tributary of Mill Creek.
Year 5: Complete database for property owners along the Mill Creek.

COMPLIANCE ACTIVITIES:

1. A list of all those residents along Mill Creek was created using our information already created in our GIS database. The City will continue to create lists of these residents the same way in future mailings. A letter was mailed to all residents and businesses along Mill Creek. The letter that was submitted to those residents is included below:

CITY OF BATAVIA

JEFFERY D. SCHIELKE
Mayor

June 7, 2012

Re: MILL CREEK

Dear Resident:

You are getting this letter because you live directly adjacent to Mill Creek.

As a resident along Mill Creek, the City of Batavia would like to pass on information regarding watersheds and how you can help keep your portion of the creek clean. Enclosed with this letter is a map of the Mill Creek Watershed. The watershed map shows all the areas that eventually drain to Mill Creek and eventually the Fox River. The Welcome to your Watershed brochure enclosed describes more about Watersheds and how they work. In addition the brochure shares friendly practices each resident could implement in their own household to improve the natural state of the stream. The last page of the brochure has a list of references for some more information on specific ways to improve the watershed.

As the summer season approaches please keep these ideas in mind to help promote a healthy watershed. After a summer of everyone enjoying being outside the City of Batavia is anticipating a 2nd clean-up day this year, Batavians For A Healthy River. The fall clean-up day (to remove some debris that was washed onto the shore after the summer, cut down brush, etc.) for the Fox River will be a Saturday morning in September from 8:00am-12pm. If you are interested in learning more please visit www.bataviansforahealthyriver.org. For future events please watch your Neighbors publications for more information.

Sincerely,

Andrea M. Podraza, P.E., CFM
Civil Engineer

Enclosures
Cc: Noel A. Basquin, City Engineer
File – Stormwater – NPDES II

S:\Eng Shared\Stormwater-Floodplain Mgmt\NPDES Phase II\2012-2013 Annual Report\Mill Creek Mailing\Mill Creek Notice to Residents - MASTER.docx

100 North Island Avenue ♦ Batavia, Illinois 60510 ♦ Phone: 630-454-2000 ♦ www.cityofbatavia.net

2.

In addition, a copy of the Watershed Map for Mill Creek, Welcome to Your Watershed information, Fox River Watershed information, Top Ten Things Streamside and Shoreline Property Owners Can Do To Protect Kane County Waters were also included in the mailing. These pieces of information were given to the residents to educate them on the natural area near their home, how to preserve it and show them how many residents are included in their watershed.

The supplemental information included in this mailing is below:

1. Know Where You Live

Sure you know what road you live on – what town or township, and even what zip code. But do you know what watershed you live in? Do you know who lives upstream and downstream of you? Check out the enclosed map then go online to www.co.kane.il.us/kcstorm/watersheds to find out more about your 'watershed address'.

2. Shore up that Shoreline

Over time, you can lose valuable property through shoreline erosion. Stabilize your shoreline by using native vegetation and bioengineering techniques.

A buffer of native vegetation along a streambank holds the soil in place with deep roots and acts as a filter, reducing the speed of water across your yard, and allowing sediments to settle out before they clog our streams and rivers.

Permits are required for grading, installation of stabilization materials and structures like piers and docks.

3. Let Nature Be (But Keep it Flowing)

Fallen trees or snags provide excellent habitat and serve other useful purposes. Obstructions should be removed if they begin to cause flooding.

4. Don't Dump Debris

A natural, healthy shoreline includes plants, trees, and shrubs that shed leaves and other vegetative debris along the water's edge. But too much of a good thing is not good for the water. Grass clippings, leaf piles, and excess soil piles all pose a threat to healthy water. Keep those landscape debris polluters out of the waterways by using mulch piles away from the water's edge or bagging for landscape waste pickup.

5. Take Care of Your Septic

Septic system leakage and discharge pollutes our streams and lakes with nutrients. Septic tanks should be inspected and cleaned out every 2-3 years. For more information, see www.kanehealth.com/PDFs/Environmental/SepticSystem.pdf

6. Keep the Objectionables Out

Bring household hazardous wastes to approved collection sites. Hazardous wastes (gasoline, solvents, oil paints, fertilizers, pesticides, expired medications etc.), if dumped in your backyard, down the drain, or down the gutter, will end up in our streams and rivers.

7. Show You're Skilled – Get Permits to Build

There are four (4) agencies that oversee construction activities on Kane County creeks and shorelines:

- Kane County Building Department or Municipal Building Permit Office
- U.S. Army Corps of Engineers
- Illinois Department of Natural Resources - Office of Water Resources
- Illinois Environmental Protection Agency

A permit is required prior to most construction near water bodies. Failure to obtain permits prior to construction could be cause for fines and penalties.

8. Go Easy on the Green

Green, lush grass looks great on a ballfield, but the fertilizers and pesticides used to create that 'green carpet' effect can wreak havoc if they migrate into a stream or river. Try native plant gardens instead, or use grass species which don't require chemicals.

9. Join Forces

Interested in knowing more about your 'watershed neighborhood'? Find others in your area who are also trying to preserve and protect the local waters - watershed groups are active and the more people involved, the better! See Kane County's watershed information website: www.co.kane.il.us/kcstorm/watersheds

10. Enjoy Your View!

By following these guidelines, you can reap all the benefits of living with a waterfront property – birds singing, clear, clean water, and the pride of knowing you are doing a world of good for your downstream watershed neighbors!

Agency Contacts for Permits

U.S. Army Corps of Engineers, Chicago District
Regulatory Branch
111 North Canal St. Suite 600
Chicago, IL 60606-7206
312-846-5530 Ext 4026
www.usace.army.mil

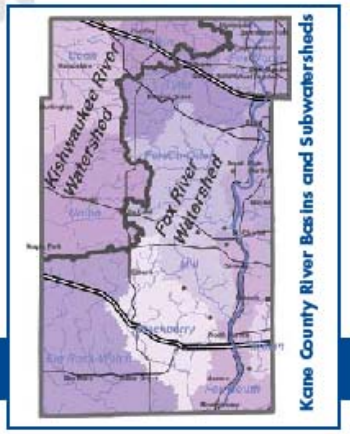
IL Department of Natural Resources
2050 W. Stearns Road
Bartlett, Illinois 60103
847-608-3100 www.dnr.state.il.us/owr

Kane-DuPage Soil & Water Conservation District
2315 Dean Street, Suite 100
St. Charles, Illinois 60175
630.584.7961 Ext. 3 www.kanedupageswcd.org

Kane County Development Department
719 Batavia Avenue
Geneva, IL 60134
630-208-3480 www.co.kane.il.us/development

Kane County Department of Environmental & Building Management
719 Batavia Avenue; Building A • Geneva, IL 60134
630.208.5118 • www.co.kane.il.us/kcstorm

Kane County Environmental & Building Management



<u>PERMIT CONDITION:</u> BMP No.B6: <u>Public Participation/Involvement: Program Coordination</u>

The City of Batavia will continue to work with the Batavia Park District, local environmental groups, and individual citizens groups to organize and participate in clean ups and ecological restoration projects for the reaches of the Fox River and tributary streams that are within the City's jurisdiction.

Measurable Goal(s), including frequencies: Host at least two clean-up/restoration events each year.

Milestones:
Year 1: Continue with at least two stream clean-up/restoration events.
Year 2: Continue with at least two stream clean-up/restoration events.
Year 3: Continue with at least two stream clean-up/restoration events.
Year 4: Continue with at least two stream clean-up/restoration events.
Year 5: Continue with at least two stream clean-up/restoration events.

<u>COMPLIANCE ACTIVITIES:</u>

1. **<u>May 19, 2012 Fox River Trail Clean up:</u>** City staff worked with BHR and other local volunteers to co-host a spring clean-up workday that focused on the Fox River shoreline and adjacent trails south of downtown Batavia. The City of Batavia provided the dumpster for debris removal and the equipment to transport the collected debris to the dumpster. Below is the flyer promoting the clean-up along with another article advertising the event in Batavia's local Neighbors Magazine:

Fox River Cleanup 2012
in Batavia

Saturday, May 19, 8:00 AM - Noon

Meet at the parking lot on Rt. 25 by Clark Island & the Skate Park, Batavia

Local groups are encouraged to organize and join in this effort.
Trash bags supplied.
Bring work gloves and dress appropriately.

A few canoes are needed and volunteers experienced in removal of trash from the river.
Those with waders should bring them.

PLEASE NOTE: All participants will be asked to sign a waiver form.
All children should be accompanied by a parent or adult and must have a signed form.
Waivers can be downloaded in advance from our Website:

bataviansforahealthyriver.org

For more information or to arrange for your group to volunteer for the Batavia Cleanup, please contact:

Jessi DeMartini at 630- 871-7548

OR Becky Hoag at 482-9157 Email: info@bataviansforahealthyriver.org

Batavians For A Healthy River

This Fox River Cleanup is being supported by an Illinois EPA SCALE Grant

Printed on recycled paper

Currents

630-454-2000 • www.cityofbatavia.net

Street improvements scheduled May–July

Construction of the 2012 Street Program is anticipated to begin in mid May, 2012 with completion anticipated by the end of July 2012. This year's program includes pavement resurfacing, sidewalk repairs, curb repairs, pavement patching, and restoration. The tentative improvement locations are as follows, please visit the city's website as noted below after May 1 for a complete list of revised streets:

Roadway	From	To	Improvement Type
Blackhawk Drive	608 Blackhawk Drive	Pontiac Drive	Minor Resurface
Crestview Drive	Western Avenue	Parkview Drive	Minor Resurface
Forest Avenue	Ozier Drive	Dead End	Minor Resurface
Hamlet Street	Lathem Street	Just north of Lake Street	Minor Resurface
Hart Road	Judd Lane	Norcross Drive	Minor Resurface
Maves Drive	Prairie Street	Forest Avenue	Minor Resurface
McKee Street	Randall Road	Barton Trail	Minor Resurface
McKee Street	Randall Road	East end of BP Gas Station	Minor Resurface
McKee Street Right Turn Lane	Menards Entrance	Steak & Shake Entrance	Minor Resurface
Mill Street	McKee Street	Peebles Court	Minor Resurface
Ozier Drive	Prairie Street	Forest Avenue	Minor Resurface
Parkview Drive	Pontiac Drive	1061 Parkview Drive	Minor Resurface
Peebles Court	Mill Street	Cul-de-sac	Minor Resurface
Pontiac Drive	Blackhawk Drive	Robin Drive	Minor Resurface
Raddant Road	Pine Street	Chillem Drive	Minor Resurface
Robin Drive	Winnebago Trail	1015 Robin Drive	Minor Resurface
Shabbona Trail	Wauborsee Trail	707 Shabbona Trail	Minor Resurface
VanBuren Street	Manchester Drive	Pine Street	Minor Resurface
Wagner/Larkspur	IL Prairie Path	City Limits	Minor Resurface
Winnebago Trail	Crestview Drive	Robin Drive	Minor Resurface

Main Street LAPP

This project includes the resurfacing, pavement patching and storm sewer repairs of Main Street from Randall Road to VanNortwick Avenue. This work is anticipated to begin in early June with completion by the end of June.

For project updates, schedules and other project information regarding these projects, please visit the city's website at *cityofbatavia.net/engineering* under the Public Improvements Page. If you have any questions regarding this program, contact the Street Program Hotline at 630-454-2770.

Your elected city officials

Mayor–
Jeffery D. Schielke

City Clerk–
Heidi Wetzel

Treasurer–
Gerald R. Miller

Aldermen Serving through 2015
Garran Sparks, Ward 1
Alan P. Wolff, Ward 2
Dan Chanzit, Ward 3
Susan Stark, Ward 4
Lucy Thelin-Atac, Ward 5
Lisa Clark, Ward 6
David J. Brown, Ward 7

Aldermen Serving through 2013
Michael F. O'Brien, Ward 1
Victor Dietz, Ward 2
Janet Jungels, Ward 3
James T. Volk, Ward 4
Eldon Frydendall, Ward 5
Robert Liva, Ward 6
Dawn Tenuta, Ward 7

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City of Batavia plans mosquito abatement program

The City of Batavia and its private contractor provide a comprehensive Mosquito Abatement Program designed primarily to minimize mosquito larvae from hatching into adult mosquitoes. This is accomplished by treating mosquitoes in the larval state within storm sewer catch basins, as well as any area of standing or stagnant water within the city limits. The larval treatment of storm sewer catch basins is performed on a schedule to ensure the treatment remains active for the entire season. Treatments to ponds and stagnant water are done only if the presence of mosquito larvae is detected. While every effort is made to control the mosquito population, it is not possible to eliminate all larval-state mosquitoes entirely.

Our contractor is required to monitor the presence of adult mosquitoes in six traps at various locations within the city. These traps are collected three times a week to verify the quantity, species, and gender of the mosquitoes. Information acquired from the traps allows the City of Batavia to determine the need to perform an aerial adulticide application to a specific area or throughout the city. In addition, after a heavy rain event occurs, our contractor may suggest a citywide adulticide treatment. This treatment would be done just after the major hatch, which typically occurs 7–14 days after the rain event. The presence of a mosquito carrying the West Nile Virus could also prompt a citywide aerial adulticide application.

What residents can do:

- Always use a good quality repellent, especially at dawn or dusk when mosquitoes are most active.
- Eliminate any areas where standing water can collect for more than seven days including old tires, children's pools, buckets, and clogged gutters. Change water in birdbaths frequently.
- When mowing the lawn, direct grass clippings away from the street. Otherwise, grass can wash into the street storm sewers and provide the perfect breeding environment for mosquitoes that commonly carry the West Nile Virus.

Residents can sign up for an automated notification that is provided in advance of adulticide aerial spraying. This information is available on the city's website: *cityofbatavia.net*.

Please call the Street Division of Batavia Public Works at 630-454-2400 with any questions.

Spring river cleanup is May 19

Batavians For A Healthy River (BHR) needs volunteers for a Fox River Cleanup in Batavia on Sat., May 19, 8:30am–12pm. The group will meet at the parking lot on Rt. 25 by Clark Island and the Skate Park. This cleanup is supported and funded by the Illinois EPA through a SCALE grant. The cleanup will focus on shoreline and river cleanup. In addition, those interested in removal of invasive plant species (garlic mustard) are welcome. Dress appropriately (be prepared for mud and wet) and bring work gloves. Trash bags and other equipment will be provided. A few canoes and volunteers experienced in removal of trash using canoes in the river are needed (use depends on water levels and velocity). Those with waders should bring them.

Volunteers can just show up on May 19. Those with questions or who are organizing small groups to participate can better assist in the planning by contacting *info@bataviansforahealthyriver.org*.

All participants will be asked to sign a waiver form. All children must be accompanied by a parent or supervising adult and must have a waiver form signed by a parent or guardian. For more information and to obtain a waiver visit the website: *bataviansforahealthyriver.org*.

And remember this from Dr. Seuss:
UNLESS someone like you
Cares a whole awful lot,
Nothing is going to get better.
It's not.

Be a steward to the Fox River and surrounding land that flows through our town. Thank you Batavia!

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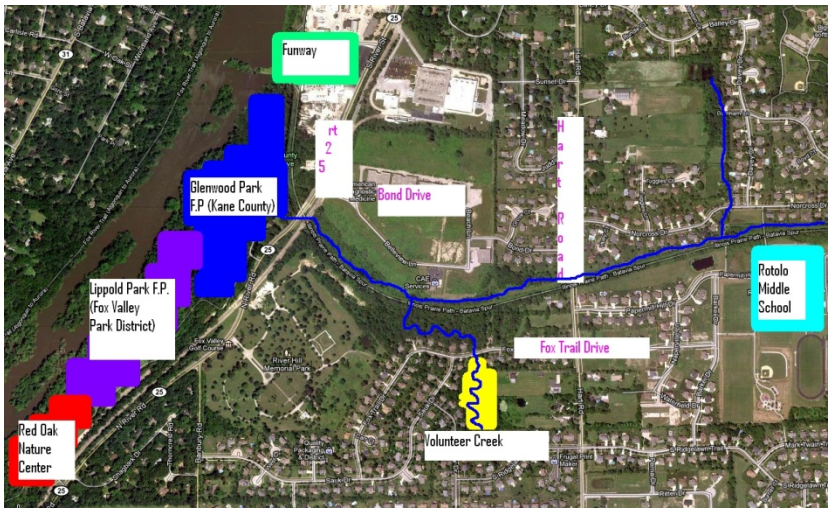
2. **<u>Fall 2012 Fox River Trail Clean up:</u>** Due to time and budget constraints of volunteers and local organizations the fall clean-up did not occur. We anticipate continuing with another clean-up in the spring.

There have been many cooperative efforts between the City of Batavia and Batavians For A Healthy River over the past six years that have helped get the local citizenry involved in water resource stewardship activities.

3. **<u>Fall 2012 'Volunteer Creek', a tributary to Batavia Creek Clean up:</u>** A group headed by a local environmentalist decided to clear the brush and bring back the natural look to the creek in the fall of 2011. This year's clean-up events were continued maintenance and removal of invasive plants. This project was all built on volunteerism. This year the group met on Nov 18, 2012, Dec 14-16, Dec 21-24, Jan 4-7 and Jan 11-14. Below is a map showing the location of the creek in correlation to other waterways in town:



Below is a photo after the 2011 season showing how much brush was removed from the area highlighted in the map above in yellow:

<u>PERMIT CONDITION:</u> BMP No.B6: <u>Public Participation/Involvement: Program Coordination</u>

The City of Batavia has started a Storm Sewer Stenciling Program to get the community involved with marking all roadway storm sewers with manholes, catch basins and inlets within the City's limits. The marking states "DO NOT DRAIN DUMPS TO RIVER. This project will be coordinated from the Engineering Department and available to any resident or group in Batavia. The program got its start from the help of the Kane DuPage Soil and Water Conservation District by providing stencils, pamphlets and informational door hangers.

Measurable Goal(s), including frequencies: Paint at least two streets each year.

Milestones: **Year 1:** BMP was not in place this year.
Year 2: Continue with at least two street painting events.
Year 3: Continue with at least two street painting events.
Year 4: Continue with at least two street painting events.
Year 5: Continue with at least two street painting events.

COMPLIANCE ACTIVITIES:

1. This past year we had no volunteers, therefore no painting was done throughout the City. City Staff has time constraints and was not able to promote it as much as it has in the past. We hope to have more volunteers in the next year.

PERMIT CONDITION: **BMP No.C1: Illicit Discharge Detection and Elimination: Storm Sewer Map Preparation**

The City of Batavia will complete accurate, up-to-date geographic information system mapping of the City's stormwater management system, including storm sewers, detention facilities, and outfalls to natural streams, rivers and wetlands.

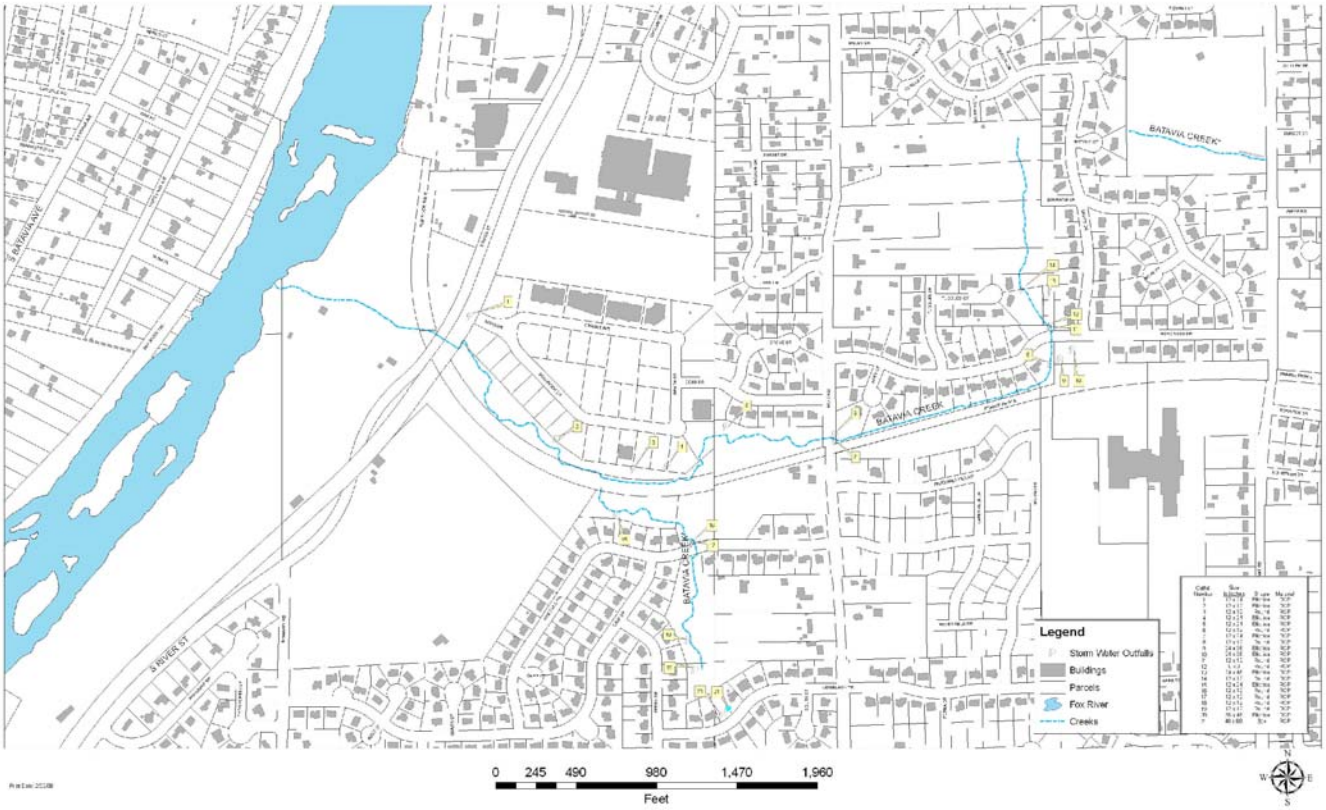
Measurable Goal(s), including frequencies: Complete one study per year in accordance with funding availability. Start implementing study recommendations in the first fiscal year after the study is completed.

Milestones: **Year 1:** Complete GPS data collection of the City's existing storm sewer network (including outfalls) and integrate the database with the City's geographic information system.
Year 2: Add/upgrade storm sewer GPS information as new developments are added and modifications are made to the existing stormwater infrastructure.
Year 3: Same as above.
Year 4: Same as above.
Year 5: Same as above.

COMPLIANCE ACTIVITIES:

1. **Citywide Stormwater Management System Mapping** : The City has continued to update the database of all projects once completion has occurred utilitzing as-built construction plans. This has helped with the collection of information for the entire system. The map has the locations of all the outfalls in the city including structures discharging into the Fox River and numerous creeks and tributaries. This year the City's Engineering & GIS Departments started picking up additional storm sewer information of older storm sewer systems where no as-builts are available to assist in system updates. The City plans on expanding this type of collection and keep it as an ongoing activity. Below is a sample of the map put together for the Batavia Creek Storm Sewer Outfalls:

Batavia Creek Storm Sewer Outfalls



PERMIT CONDITION: **BMP No.D2: Construction Site Runoff Control: Erosion and Sediment Control BMP's**

Temporary and permanent erosion and sediment control BMP's will continue to be required for all development and redevelopment projects in accordance with the Kane County Stormwater Management Ordinance.

Measurable Goal(s), including frequencies: BMP's will be implemented as development projects occur.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. **Erosion and Sediment Control BMPs:** As stated in the objective of this section, all projects completed in Batavia where earth disturbance occurs, following the Kane County Stormwater Management Ordinance, have temporary and permanent erosion and sediment control Best Management Practices in place. This has been monitored by both the City of Batavia's Engineering Staff along with Kane-DuPage Soil and Water Conservation District, who is on retainer to monitor the site conditions during construction.

PERMIT CONDITION: **BMP No.D4: Construction Site Runoff Control: Site Plan Review Procedures**

The City of Batavia will continue its agreement with the Kane-DuPage Soil and Water Conservation District (KDSWCD) to review engineering plans submitted for new development or redevelopment projects for conformance with current soil erosion and sediment control (SESC) standards.

Measurable Goal(s), including frequencies: KDSWCD reviews will take place as building permit application submittals are made to the city.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. All new development and redevelopment projects have to illustrate compliance with the latest soil erosion and sediment control standards by submitting engineering plans to KDSWCD and provide the City of Batavia with an approval letter. A sample approval letter is below:

Kane – DuPage Soil & Water
Conservation District

March 5, 2013

Dan Katz, E.I.T.
Manhard Consulting, Ltd.
900 Woodlands Parkway
Vernon Hills, IL 60061

KDSWCD File: 13e008
Approved Plan Set Dated: 03/05/2013

Dear Mr. Katz:

I received your revised soil erosion and sedimentation control plan submittal for the Proposed Pep Boys and Retail project located in Batavia, Illinois. Thank you for incorporating our comments into the plan, it will improve the quality of protection for the natural resources, both on and off site. This letter and a set of stamped plans located at the construction office on site, will serve to certify that the erosion and sediment control plans meet Technical Standards.

We will visit the site several times during the course of construction to assess compliance with the specifications and will be glad to address specific issues that may arise during the course of construction.

Sincerely,

Ashley Jennings
Resource Analyst
Kane-DuPage Soil and Water Conservation District

ECC: Noel Basquin, City of Batavia
Andrea Podraza, City of Batavia

2315 Dean Street, Suite 100 St. Charles, Illinois 60175 (630) 584-7961x3 Fax: (630) 584-9534
www.kanedupageswcd.org

All programs and services of the Kane-DuPage SWCD are offered on a nondiscriminatory basis, without regard to race, color, national origin, religion, sex, marital status, or handicap.

PERMIT CONDITION: **BMP No.D6: Construction Site Runoff Control: Site Inspection/Enforcement Procedures**

The City of Batavia will continue its agreement with the Kane-DuPage Soil and Water Conservation District (KDSWCD) to conduct periodic construction site inspections for proper SESC installation and effectiveness. City engineering staff also will continue to perform both scheduled and ad-hoc construction site inspections to ensure that SESC measures are in place and working.

Measurable Goal(s), including frequencies: Both KDSWCD and City of Batavia staff inspections and routine reviews will take place as building permits are issued.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. The City of Batavia routinely inspects all projects under construction. In addition, the City gets calls notifying the department when sites are delinquent in complying with SESC measures. When there are delinquencies the City notifies the property owner(s) immediately via written notification, as shown below and they have 48 hours to fix the problem otherwise they will start incurring violation fees.

CITY OF BATAVIA
Engineering Department
100 North Island Avenue
Batavia, Illinois 60510
Phone: (630) 454-2000
Fax: (630) 454-2775

STOP WORK TWO DAY NOTICE FAX

To:	Fax#:
From:	Date:

This notice is to inform you that the following location has failed a random site inspection for erosion control:

Address: **(insert address here)**
Lot#: **(insert lot# here)**
Development Name: **(insert developer name here)**
Developer: **(insert developer here)**
Builder: **(insert builder here)**

Please resolve this deficiency or a STOP WORK ORDER will be issued on **(insert day, month date, year)**

Under Chapter 11 of the City of Batavia Subdivision Control Ordinance, failure to comply will result in a Notice to Appear and a fine of up to $750.00 per day will be imposed.

Signature:

Inspected By: (insert name here)

Inspection Date: (insert date here)

S:\Eng Shared\Batavia Stormwater-Floodplain Management\NPDES Phase II\2008-2009 Annual Report\Two-day notice_NPDES.doc

PERMIT CONDITION: **BMP No.E4: Post-Construction Runoff Control: Pre-Construction Review of BMP Designs**

The City of Batavia will continue to complete in-house reviews of development and re-development engineering plans for conformance with current BMP design standards. Currently, the City has three licensed professional Civil Engineers on staff.

Measurable Goal(s), including frequencies: In-house final engineering plan reviews will take place as building permit application submittals are made to the City.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. The City of Batavia's Engineering Department reviews each plan set for conformance with the current BMP standards and will recommend additional measures where seen fit.

PERMIT CONDITION: **BMP No.E5: Post-Construction Runoff Control: Site Inspections During Construction**

The City of Batavia will continue to complete in-house site work inspections of development and re-development projects. Currently, the City has one full-time Engineering Inspector on staff.

Measurable Goal(s), including frequencies: City of Batavia scheduled staff inspections and routine reviews will take place as building permits are issued.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. The City of Batavia's full-time Engineering Inspector is scheduled to hold inspections when the utilities are installed, after the curb, sidewalk and approach are installed, and after final grading while making sure that soil erosion control measures are in place during all inspections.

PERMIT CONDITION: **BMP No.E6: Post-Construction Runoff Control: Post-Construction Inspections**

The City of Batavia will continue to monitor the constructed stormwater management systems of both private and public projects. A one-year maintenance letter of credit is required for all public and private projects to ensure that the performance of the constructed project meets the original design intent and applicable City codes. City of Batavia Public Works, Engineering, and Code Compliance staff are all involved in the post-construction monitoring process.

Measurable Goal(s), including frequencies: City of Batavia Engineering and Public Works staff participate in a final walk-through inspection and punch-list preparation for each private and public construction project. These inspections occur as projects are completed and requests for final acceptance are made. Staff then makes a recommendation for acceptance to the City Council, which is the City's final approving authority. The Code Compliance Department is involved in post-construction matters to the extent that questions / comments / complaints about City code applicability arise.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. City of Batavia staff has performed post-construction final walk-through inspections as projects are completed. These inspections are to verify that the site has been constructed to the standards and design as approved in the Final Engineering Plans.

PERMIT CONDITION: **BMP No.F5: Pollution Prevention/Good Housekeeping: Flood Management/ Assess Guidelines**

The City of Batavia will continue to complete updated hydrologic and hydraulic studies for all perennial and intermittent streams within the municipal boundaries using current data and modeling methodology. In addition to accurately quantifying floodplains and flood risks, these studies will help identify and quantify riparian areas that are eligible for protection as special management areas under the Kane County Stormwater Management Ordinance.

Measurable Goal(s), including frequencies: Complete one study per year in accordance with funding availability. Start implementing study recommendations in the first fiscal year after the study is completed.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

COMPLIANCE ACTIVITIES:

1. **Illinois Green Infrastructure Grant (IGIG):** The City worked with Christopher B. Burke Engineering who prepared a grant application for installing a permeable paver parking lot as part of the streetscape improvements to City Hall. The particular parking lot that the grant would go towards is the existing west main parking lot. Submissions were turned in December 2011, the City did not get awarded the grant at that time so the City applied again this year, submitting in December 2012. Awards will be granted in July 2013.
2. **Mahoney Creek Watershed:** The City had intentions of applying for a 319 Grant last few permit years, but time constraints with other projects and limited resources has held up applying for the grant until either the spring of 2013. The City applied for a Streambank Stabilization Restoration Program grant through the Kane DuPage Soil and Water Conservation District which were due April 2013. If the City gets awarded the grant, the money will be utilized towards stabilization material such as rip rap that will help improve the bank of the creek. The entire watershed will be evaluated, but currently there is a 5-year program to do the upper reach of the watershed and tributary. The watershed would be improved by implementing BMPs, providing additional storage areas, stabilizing creek banks, upsizing and adding storm sewer in areas that are prone to flooding. These improvements will be expanded upon as final design begins.

PERMIT CONDITION: **BMP No.F6: Pollution Prevention/Good Housekeeping: Other Municipal Operations Controls**

The City of Batavia proposes to retrofit existing storm sewer and stormwater detention facilities with BMP's as the need for significant repair of these facilities and/or replacements of facility components arise. BMP's will be implemented outside of the need for such maintenance, as funding will allow. The City will complete a study that will develop a comprehensive retrofitting plan and identify locations and priorities to maximize the water quality benefits as early in the program as possible.

Measurable Goal(s), including frequencies: Measurement will be in numbers of BMP retrofitted storm sewer structures and detention facilities.

Milestones: **Year 1:** Identify several City owned detention facilities that are good candidates for retrofit projects. Solicit proposals from qualified consultants and/or contractors to develop retrofitting plans for each selected facility.
Year 2: Budget engineering and construction funding for one detention retrofit project. Complete necessary coordination with adjoining property owners.
Year 3: Continue above process with another detention facility.
Year 4: Continue above process with another detention facility.
Year 5: Continue above process with another detention facility.

COMPLIANCE ACTIVITIES:

1. **Retrofit locations:** The City has identified five locations throughout the City where retrofitted basins would benefit the system. The basins and status updates are as follows:
    a. The first location is the detention pond at the northeast corner of Edwards and Raddant Road. A request for proposal has been sought for this location in the past. The City is reviewing the cost associated with this as well as the feasibility over the next permit year.
    b. The second location is the detention pond on the south side of Wind Energy Pass just east of Raddant Road.
    c. The third location is the pond located at the south end of the Public Works facility.
    d. The forth location is a small portion of the pond between Bradford and North Avenue.
    e. The last location is the detention pond at the northeast corner of Deerpath and Main Street.

    The last four locations have not been solicited for consultants at this time due to budget restraints. The City of Batavia is looking at doing some of these retrofit projects in house when funds are available.

Item C: - List of Information Collected & Analyzed for 2012-2013

The City did not collect or analyze any monitoring data during this reporting period.

Item D: - Proposed April 2013 – March 2014 Permit Activities

PERMIT CONDITION: **BMP No.A5:** **Public Education and Outreach: Classroom Education Material**
The City of Batavia proposes to develop lesson plans for children/students of multiple age groups to educate them about the stormwater in and around their community. This includes stories at the library for elementary school aged children, interactive worksheets and/or videos for middle school students and pseudo stormwater projects for the high school students. The engineers will have direct contact with the school for creating and implementing these projects.

Measurable Goal(s), including frequencies: City to assist in one education project as a minimum per year per age group.

Milestones: **Year 1:** As stated above.
Year 2: As stated above.
Year 3: As stated above.
Year 4: As stated above.
Year 5: As stated above.

PROPOSED ACTIVITIES:

1. **Elementary School Aged Children:** On Wednesday, May 22, 2012 Gary Holm, Director of Public Works will spend part of the afternoon with the elementary students in an event called Truck Tales at the Batavia Public Library. During this event he will read a story related to Stormwater issues,

distribute pamphlets from APWA (American Public Works Association) and bring a snow plow for the children to view.

2. **Middle School Age Group:** We plan to work with their Ecology Club by distributing interactive worksheets, discussing civil engineering or participating in our Storm Stenciling Program.

3. **High School Age Group:** We are working with the teachers to determine what needs will best satisfy and correlate with their course work at this time as it relates to stormwater management.

PERMIT CONDITION: BMP No.A6: Public Education and Outreach: Other Public Education

The City of Batavia proposes to develop a database of all property owners that abut and include local streams. Best Management Practice information will be mailed and otherwise made available to these property owners to help them in preserving and maintaining the riparian areas along the streams. The City will offer assistance and educational programs toward this end also. The City's plan to acquire GIS capabilities will improve future implementation of this program.

Measurable Goal(s), including frequencies: Complete one property owner database each year with one educational mailing made and/or program held for that group of property owners that same year.

Milestones:
Year 1: Complete database for property owners along the Mahoney Creek Tributary.
Year 2: Complete database for property owners along Batavia Creek.
Year 3: Complete database for property owners along Mahoney Creek.
Year 4: Complete database for property owners along McKee Road Tributary of Mill Creek.
Year 5: Complete database for property owners along Mill Creek.
Year 6: Complete database for property owners along the Fox River.

PROPOSED ACTIVITIES:

This year we will complete a database for the property owners along the Fox River and distribute a copy of the Watershed map for the Fox River, Welcome to your Watershed Information, Fox River Watershed information, Top Ten Things Streamside and Shoreline Property Owners Can Do To Protect Kane County Waters in a mailing.

PERMIT CONDITION: BMP No. B6: Public Participation/Involvement: Program Coordination

The City of Batavia will continue to work with the Batavia Park District, local environmental groups, and individual citizens groups to organize and participate in clean ups and ecological restoration projects for the reaches of the Fox River and tributary streams that are within the City's jurisdiction.

Measurable Goal(s), including frequencies: Host at least two clean-up/restoration events each year.

Milestones:
Year 1: Continue with at least two stream clean-up/restoration events.
Year 2: Continue with at least two stream clean-up/restoration events.
Year 3: Continue with at least two stream clean-up/restoration events.
Year 4: Continue with at least two stream clean-up/restoration events.
Year 5: Continue with at least two stream clean-up/restoration events.

PROPOSED ACTIVITIES:

1. **May 18, 2013 & September/October 2013 Fox River Trail Cleanups:** Scheduled clean-up of the trails and banks of the Fox River immediately south of downtown Batavia. City staff will participate in this event sponsored by a local citizens' environmental group, Friends of the Fox River (FOFR). The City will supply vehicles for debris collection and dumpster for disposal.

2. **Additional Stream Cleanup Events:** Additional clean-ups of the Fox River and tributary streams are possible, but we are not aware of any scheduled dates at this time.

PERMIT CONDITION: BMP No.B6: Public Participation/Involvement: Program Coordination

The City of Batavia has started a Storm Sewer Stenciling Program to get the community involved with marking all roadway storm sewers with manholes, catch basins and inlets within the City's limits. The marking states "DO NOT DRAIN DUMPS TO RIVER. This project will be coordinated from the Engineering Department and available to any resident or group in Batavia. The program got its start from the help of the Kane DuPage Soil and Water Conservation District by providing stencils, pamphlets and informational door hangers.

Measurable Goal(s), including frequencies: Paint at least two streets each year.

Milestones:
- **Year 1:** BMP was not in place this year.
- **Year 2:** Continue with at least two street painting events.
- **Year 3:** Continue with at least two street painting events.
- **Year 4:** Continue with at least two street painting events.
- **Year 5:** Continue with at least two street painting events.

PROPOSED ACTIVITIES:

As of right now no groups are scheduled to stencil, but we anticipate at maybe 1-2 groups/outings to sign up throughout the stenciling season, weather permitting.

PERMIT CONDITION: BMP No. F5: Pollution Prevention/Good Housekeeping: Flood Management/ Assess Guidelines

The City of Batavia will continue to complete updated hydrologic and hydraulic studies for all perennial and intermittent streams within the municipal boundaries using current data and modeling methodology. In addition to accurately quantifying floodplains and flood risks, these studies will help identify and quantify riparian areas that are eligible for protection as special management areas under the Kane County Stormwater Management Ordinance.

Measurable Goal(s), including frequencies: Complete one study per year in accordance with funding availability. Start implementing study recommendations in the first fiscal year after the study is completed.

Milestones:
- **Year 1:** As stated above.
- **Year 2:** As stated above.
- **Year 3:** As stated above.
- **Year 4:** As stated above.
- **Year 5:** As stated above.

PROPOSED ACTIVITIES:

1. **Possible Grants:**
   a. *Streambank Stabilization & Restoration Program*: The City has applied for a SSRP Grant in order to receive additional funds to improve the Mahoney Creek. This Creek is in need of stabilization measures, as well as routine maintenance of such items as gabion baskets, soil erosion and removal of silt build up around bridge structures. The City has already budgeted funds for Mahoney Creek this year. The application was submitted April 15, 2013 and award of the grant would be given near the end of June 2013. If selected for the grant we will be able to extend the capital funds already allotted to this project to work on improving this drainage area by implementing BMPs, possibly providing additional storage areas by dredging, stabilizing creek banks where some areas will utilize native plants, upsizing and adding storm sewer in areas that are prone to flooding as well. These improvements will be expanded upon as the application is being filed out and final plans area designed. If we do not get the grant this year some work will take place on the creek and most likely will try to apply for the grant again next year for another phase of the improvements.
   b. *IGIG*: The City applied for the IGIG Grant in 2011 but was not awarded the grant and reapplied in 2012 for the same location as previously applied for; the west parking lot in front of City Hall. The City is planning on revising the parking lot to a permeable pavement.

Item E: - Permit Obligations Provided by Other Government Entity for 2012-2013

NPDES Phase II – 2012-2013 Kane County Activities
Kane County Department of Environmental and Building Management

General:

1. The following activities were conducted county-wide by Kane County and are intended to satisfy NPDES Phase II permit requirements for these two control measures for local governments within Kane County. This information is excerpted from the Kane County Department of Environmental and Building Management 2009 NOI to the NPDES Phase II Report.

CM 1: Public Education and Outreach:

1. Brochure Development and Distribution:
   Two brochures were produced, printed and distributed, "Top Ten Things Streamside Property Owners Can Do" and "How to be a Clean Water Champion", while "Kane County's Guide to Living on a Waterway" was developed with members of the Friends of the Fox River, the Fox River Ecosystem Partnership, and the Kane-DuPage Soil & Water Conservation District. These brochures are readily available at the City of Batavia's City hall as well as on Kane County's Stormwater Management website: http://www.co.kane.il.us/kcstorm/education/public/brochures.asp

2. Speaker's Bureau:
   This year due to budget constraints they did not have speaking engagements, but did work on educating subdivisions in unincorporated Kane County. This in turn helps those communities that are downstream of these areas. There were many opportunities that were made available to those residents.

3. Other Public Service Announcement Activities:
   a. School Education: The County has, in the past, contracted with the Kane-DuPage Soil & Water Conservation District (KDSWCD) to conduct related K-12 educational activities in Kane County schools. During 2008, the county has developed a website containing resources for stormwater education. The programs are specific to Kane County stormwater, water quality and general water and watershed educational topics. The website is located at: http://www.co.kane.il.us/kcstorm/education

   b. Public Education: The County published the annual edition of "Kane County Recycles" which includes information on household hazardous waste and used motor oil recycling programs. 60,000 copies were distributed in local newspapers and 20,000 copies to county, municipal and township offices. The information contained in the Kane County Recycles publication can be found online at http://www.countyofkane.org/pages/recycling

   c. Kane County's Stormwater and Environmental Management Department maintains a website that includes information about, flooding and water conservation information for Kane County residents. The Kane County Environmental Management Department website address is www.co.kane.il.us/kcstorm/index.asp .

4. Tributary Signage:
   In 2003, Kane County developed standard tributary identification signs featuring the winning artwork from a student poster contest. A total of 130 signs were placed at stream crossings since the beginning of the program. Kane County will still provide the design of the sign to municipalities that are still interested in participating in identifying the streams. The City of Batavia has placed numerous signs around town at all of our stream crossings, including Mill Creek, McKee Creek and Mahoney Creek.

CM 2: Public Involvement and Participation:

1. Stream Monitoring Program:
   The Friends of the Fox River continued to operate its stream-monitoring network, although not under contract with Kane County. A total of 44 locations are now being monitored throughout Kane County.

In 2006 Kane County assisted the Friends of the Fox River in assembling a website to display and disseminate data from the monitoring. The website link is http://www.friendsofthefoxriver.org/frwmn-sites/frwmn_main.htm

This year due to budgetary constraints, Kane County allocated $35,000 through the Kane County Riverboat Grant fund for stream gauge monitoring in 2013. The Group collects data and develops watershed models that demonstrate non-point source pollution sources.

2. Storm Drain Stenciling Program:

   Kane County along with Kane-DuPage Soil & Water District continues to make storm drain stenciling supplies available to local interested groups.

3. Other Public Participation/Involvement Activities:

   a. Used Motor Oil Program: The County has suspended the one drop-off event for used motor oil due to lack of funding from the EPA. Batavia as well as St. Charles now have curbside collections April through October.

   b. The County continued its involvement of a comprehensive Household Hazardous collection program. A collection event for the county was suspended due to state funding problems, but the state still maintains a permanent drop-off facility in Naperville, IL every Saturday and Sunday. In addition the program still includes a door-to-door collection service for a limited number of communities in Kane County. A total of 2,138 households participated in this event in the past year collecting a total of 230,000 lbs of hazardous waste.

Item F: - List of Construction Projects active for 2012-2013

The following is a list of projects that the City of Batavia had active during 2012-2013:

1. Drainage Program (minor drainage improvements for specific locations)
2. Street Program – Resurface
3. Deerpath Road Bridge Phase I & II Engineering
4. Rt. 25 & Wilson Street Intersection Interconnection Improvement
5. Streetscape – River Street (Complete rebuild as a permeable paver street/walk (woonerf) & update underground utilities)
6. Braeburn Marsh Maintenance

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