CITY OF BATAVIA

JEFFERY D. SCHIELKE
Mayor

VIA EMAIL

May 31, 2016

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 2015-2016 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 2015 to March 2016.

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
Senior Civil Engineer

S:\Eng Shared\Stormwater-Floodplain Mgmt\NPDES Phase II\2015-2016 Annual Report\IEPA 2015-2016 Annual Report Transmittal.docx

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
YEAR 7: 2015-2016
NPDES PERMIT FOR STORM SEWER DISCHARGES FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
BATAVIA, ILLINOIS

Item A: Changes to Best Management Practices

This is the last report from the previous NOI reporting seasons, therefore there have been no changes to the Best Management Practices for the six minimum control measures as originally submitted on the NOI.

Item B: - Status of Compliance With Permit Conditions

PERMIT CONDITION: **BMP No.A1: Public Education and Outreach: Distributed Paper Material**
Community magazine "Neighbors of Batavia" distributed bi-monthly with articles related to each specific season regarding maintenance of stormwater facilities and individual properties, upcoming events and general information. In addition there are New Homeowner Handouts.

Measurable Goal(s), including frequencies: To provide information and resources to homeowners for best management practices on their property and surrounding neighborhoods. To notify residents of community events as they occur relating to stormwater and bettering the community of Batavia. Provide at least 3 articles / pieces of information relating to the seasons throughout the year & advertise for at least 2 annual events.

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.
Year 6: As stated above.

COMPLIANCE ACTIVITIES:

1. Rain Barrel Sale, Conservation @ Home and native planting education with Save the Date for the River Clean-up and Touch a Truck – read a storm water story – March / April 2016

Currents

Create a natural area

Are you looking for a way to make your yard more environmentally friendly and to attract butterflies?

If so then come to City Hall on Wed., April 13, at 7pm to see the Conservation Foundation's Conservation@Home program, which encourages and recognizes property owners that protect and/or create yards that are environmentally friendly and conserve water.

Whether you are starting from a grass lawn or have existing natural areas, the Conservation@Home program can help you make your yard more attractive to wildlife and retain precious rainwater by planting native vegetation, creating butterfly and rain gardens, using rain barrels, and removing exotic species of plants. The selection and use of native plants will help solve common yard problems such as wet spots, not enough variety of color, or grass won't grow, etc.

In addition, yards with native landscaping reduce local flooding and clean pollution from rainwater before it reaches our rivers, lakes, and ponds. Native planting can be incorporated into any landscape style and provides a healthier backyard environment for your family to enjoy.

Some of the topics to be covered in this program are rain barrels, rain gardens, and native plants. Rain barrels are simply large containers that capture rainwater at the end of your downspout, which you can then use to water plants, wash your car, and further reduce your water bill while also reducing polluted runoff from getting to our rivers and streams! Rain gardens are shallow depressions planted with native plants that are accustomed to wet conditions. Native plants grow naturally and need no watering or fertilizers once established. Participants will receive a butterfly attraction and identification pamphlet, and native plant guide as well as a few other informational handouts.

As a homeowner participating in Conservation @ Home, you can have a personal visit to your yard to receive specific advice. We have a number of helpful brochures, places to buy plants, as well as professional references to aid your project. Qualified participants can become a C@H member to earn a yard sign and one-year membership to The Conservation Foundation for only $50. Come to Batavia City Hall in the Council Chamber at 7pm to learn more. We hope to see you!

14

630-454-2000 • www.cityofbatavia.net

6th annual rain barrel sale is in April

The city will be hosting the 6th Annual Rain Barrel Sale with The Conservation Foundation, which will be taking orders for your rain barrels during our pre-sale, starting now until the end of the business day on Mon., April 25, for online orders only. The orders placed online are for credit card purchases only. Cash or check purchases can be placed directly with the Conservation Foundation representative at the program on April 13. The Conservation Foundation Rain Barrels are 55 gallons each and made from recycled food grade plastic. The rain barrels come equipped with a spigot, garden hose threaded overflow and screw off lid with a screen to keep out bugs and debris, and a 1-year warranty. There are two options for pricing and delivery: a barrel with standard pick-up or a barrel with home delivery. The prices for these options are $60 or $65 respectively and rail barrels are available in the following colors: black, blue, grey, and terra cotta.

To place an order, go to *cityofbatavia.net/rainbarrels* anytime from now until April 25. The orders will be delivered Sat., April 30, from 9-11am to Clark Island Skate Park, located along the Fox River off Route 25 at approximately 411 S. River St. Remember to bring your receipt! If you choose to have home delivery, you will be prompted to complete more information on the website. The delivery date will be coordinated with the supplier when enough barrels are purchased in the area. If you cannot make it or have additional questions, please contact Jim Kleinwachter with The Conservation Foundation at 630-553-0687 Ext. 302.

For more information on The Conservation Foundation visit their website at *theconservationfoundation.org*.

Save the Date:

Spring is coming soon and so is a Fox River Clean-Up Day

May 21—Co-sponsored by the City of Batavia and Friends of the Fox River. Check the City's website at *cityofbatavia.net* or the May/June issue of *Neighbors* for more information.

Your elected city officials

Mayor– Jeffery D. Schielke
City Clerk– Heidi Wetzel
Treasurer– Gerald R. Miller

Alderman Serving until May 2019
Ward 1 Carl Fischer *cfischer@cityofbatavia.net*
Ward 2 Alan P. Wolff *awolff@cityofbatavia.net*
Ward 3 Dan Chanzit *dchanzit@cityofbatavia.net*
Ward 4 Susan Stark *sstark@cityofbatavia.net*
Ward 5 Lucy Thelin-Atac *lthelina@cityofbatavia.net*
Ward 6 Michael Russotto *mrussott@cityofbatavia.net*
Ward 7 David J. Brown *dbrown@cityofbatavia.net*

Alderman Serving until May 2017
Ward 1 Michael O'Brien *mobrien@cityofbatavia.net*
Ward 2 Martin J. Callahan *mcallahan@cityofbatavia.net*
Ward 3 Kyle Hohmann *khohmann@cityofbatavia.net*
Ward 4 Paula Mueller *pmueller@cityofbatavia.net*
Ward 5 Kevin Botterman *kbotterm@cityofbatavia.net*
Ward 6 Nicholas P. Cerone *ncerone@cityofbatavia.net*
Ward 7 Drew McFadden *dmcfadden@cityofbatavia.net*

15

2. Notice that the City can assist with small drainage requests from residents – March/April 2015

Brush collection resumes

Curbside residential brush pickup resumes in May. Only City of Batavia single-family residents that pay the monthly leaf/brush fee on their utility bill are eligible for the curbside residential collection. Please have brush out no sooner than the weekend before your scheduled pickup to prevent possible code violation. Brush cannot be left out on the parkway between collection dates. Keep in mind that crews can move through an area very quickly, and once they pass your address they will not return until the next scheduled pickup date. The amount of brush that has been placed out citywide dictates how quickly your area will be reached, but each side of town is typically completed by Friday of the scheduled week. Major storms may affect the pickup schedule. Unincorporated residents should contact their township offices regarding the brush collection services that may be available to them.

The following procedures must be followed to ensure the collection of your brush:

- Brush/limbs are to be at the curb for collection no later than 7am on Monday of your scheduled week.
- Please note that the maximum diameter is 6" (logs cannot be split).
- Maximum length of limbs is 12'.
- Stack brush in one large pile with the cut ends facing the curb away from mailboxes, utility poles/boxes, hydrants, and parked vehicles.
- Brush should be placed in the front or side parkway and will not be collected from alleys or vacant lots.
- Brush/limbs must not be tied, bundled, in containers, bagged, or in the street.
- Do not place stumps, roots, landscape material, lumber, firewood, or foreign objects in pile.
- Program is for residentially-generated brush only, not contractor removals or trimming.

For materials that do not meet the above specifications:

- Advanced Disposal will collect yard waste bags/32-gallon containers (not to exceed 50 pounds per bag/32-gallon container) consisting of twigs, evergreen clippings, roots, stumps, and plants on your regular trash collection day, beginning in April. Any generic yard waste bag can be used, and a refuse/yard waste sticker should be affixed to the bag or can. Prepaid bags are no longer available. 32-gallon containers must be clearly marked "Yard Waste" on the front.
- Residents with limbs/brush exceeding the requirements for the Residential Brush Collection Program can contact a private service to have them removed at the resident's expense.

If your brush was out at 7am on Monday of your scheduled collection week and not collected by the end of the workday on Friday, please notify the Street Division no later than the following Monday. For missed brush calls received after Monday, collection will be handled during the next monthly collection.

East Side Collection	West Side Collection
May 11	May 18
June 8	June 15
July 13	July 20
Aug. 10	Aug. 17
Sept. 14	Sept. 21
Oct. 12	Oct. 19
Nov. 30—Citywide	Nov. 30—Citywide

If you have any questions, please call the Street Division at 630-454-2400 weekdays from 7am–4pm or visit our website at *cityofbatavia.net*.

Test your home for radon

Cold weather might put a damper on outdoor activities, but according to the Illinois Emergency Management Agency (IEMA) it's a great time to test your home for cancer-causing radon gas that has been found in nearly 40 percent of Illinois homes tested.

Radon is a colorless, odorless, tasteless gas that comes from the radioactive decay of naturally occurring uranium in the soil. It can enter homes and buildings through small cracks in the foundation, sump pumps or soil in crawlspaces. Elevated levels of the radioactive gas have been found in all 102 Illinois counties.

Radon is the leading cause of lung cancer in non-smokers and the second leading cause of lung cancer overall in the U.S. IEMA estimates nearly 1,200 Illinois citizens die from radon-related lung cancer each year.

It is best to test for radon under 'closed house' conditions, meaning your windows and doors are closed except for normal traffic in and out of doors. The winter months are a good time to conduct a radon test and find out if your home has high levels of radon.

The IEMA website includes information about radon and lists of licensed measurement and mitigation professionals. Information is also available through IEMA's Radon Hotline at 800-325-1245.

Add a tree to your parkway

The City of Batavia is again offering its residents the opportunity to purchase a parkway tree, as part of its commitment to reforestation in Batavia. Funding is derived from the City of Batavia Electric Utility, and the program is administered by the Street Division of Batavia Public Works. The available species are locally grown, quality trees that do well in city parkways. We offer a variety of species each year to provide a diversified parkway tree population for our community. Resident pays one-half of the tree cost, which will be posted on the city's website. Cost covers the tree, planting, and mulch. Residents will be invoiced for their share of the tree cost after planting.

To apply for a tree:

- Please submit request forms by the date specified for the tree you choose (forms available at *cityofbatavia.net*). If you require a paper form, call us at the number below and one will be sent to you.
- Depending upon availability, we are planning to offer one species in very limited quantities for spring planting; information will be posted on the city's website when available. A list of additional species that will be offered for the fall planting will be posted at a later date.
- Placement of trees is subject to location of utilities and space requirements. For example, our minimum spacing is generally 40' between trees and 10' from driveways, manholes, and hydrants. Only lower-growth trees such as crabapples can be planted beneath overhead wires.

Please call the Street Division at 630-454-2400 with any questions.

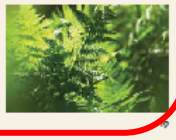
Request an inspection for drainage problems

Did you know that the City of Batavia has an online drainage inspection request form? As spring approaches, when the frost thaws and the rainy season begins, residents may start noticing drainage problems around their house and yard. The City of Batavia has a simple form for reporting a problem with drainage, i.e. standing water for over 72 hours, blocked drainage ways, etc. The link is *cityofbatavia.net/drainage*. After residents complete the online form and answer a few common questions relating to drainage, they will be contacted by a city staff member within seven days of submission to discuss the issue.

If residents experience a sewer back up or some type of uncontrollable flooding of water in their basements, they should call Batavia Public Works at 630-454-2300 first.

Here are some springtime reminders to help prevent flooding in your home:

- Make sure that the grading slopes away from your home so water is directed away from the foundation.
- Check all landscape borders and edging, as they can prevent water from flowing away from the home. These borders can be forced up by frost over the winter and will be a problem in the spring.
- Fill sunken areas around window wells and foundation.
- Check your sump pump for proper operation.
- Does your sump pump have a check valve to prevent water from flowing back into the pit?
- Supplement your electric sump pump with a backup sump pump or power source such as a generator. Backup sump pumps can help the primary pump during high-flow periods.
- Keep basement window wells clear of leaves and debris to prevent water from penetrating through the window.
- Keep gutters clean and extend downspouts 5-10 feet away from your home.
- Filling in swales/ditches or placing obstructions such as sandboxes or shrubbery in those areas can change the flow of water and cause drainage problems.
- Residents can assist in the prevention of street flooding by keeping leaves, grass, and trash out of the street and away from storm sewers in their area.



3. Save the Date and Touch a Truck – read a storm water story – March / April 2016

Come out and help the City of Batavia celebrate Public Works Week (May 15–21)

Save the date:
Batavia's Director of Public Works Gary Holm will be reading some stories with themes about Public Works and Engineering on Thurs., May 19, at 10am for children of all ages in the Reading Garden at the Batavia Public Library (weather permitting). After story time, Gary will let the children climb aboard one of the snowplows from Batavia Public Works. Registration begins May 1 with Youth Services at the library: 630-879-4775.

Yard waste collection resumes

Advanced Disposal will resume collecting yard waste for residents on your first regular refuse collection date in April. The yard waste collection season runs through the end of November.

Please keep parkways clean

Please keep our beautiful neighborhoods attractive. As tempting as it is to try to give something away and avoid placing a sticker on old furniture, etc., it is a violation of city code for these articles to be placed on the parkway until the day before waste pickup. You may receive a fine, and in the event the city must remove materials, you will be charged the expense of the private contractor. Likewise, please bring your trash cans, toters, etc. back in as soon as emptied. Leaving them out undermines the effort everyone else on the block expends to keep Batavia beautiful. If you know of a rental that has this issue, let us know and we'll also contact the landlord. Thanks.

Recycling carts available

If you are a City of Batavia resident and still using your old recycle bin(s), perhaps you need a different sized recycling cart. You may contact the Advanced Disposal Customer Service Office at 630-587-8282 to make arrangements to exchange carts. Recycling carts are available in 35-gallon, 65-gallon, or 95-gallon sizes.

County offers residential electronics recycling options

The City of Batavia electronics recycling site is now permanently closed. Kane County offers monthly electronics recycling events for its residents at 540 S. Randall Rd. in St. Charles (Circuit Court Clerk's Office) on the second Saturday of the month from 8am to 12pm. The next electronics recycling event is scheduled for Sat., April 9. Events are not held in January, February, March, or December. In addition, at press time, a permanent drop-off location for Kane County residents only is available at St. Charles Public Works, 1405 S. Seventh Ave. in St. Charles. That facility is open Monday–Friday from 8am to 3pm. Items cannot be dropped off outside of these hours. The City of St. Charles is considering cancelling its program. Please call 630-377-4405 to see if it is still in operation. If you have any questions, please contact the Kane County Recycling Coordinator at 630-208-3841 or check the Kane County Recycling website at *countyofkane.org/recycling* for other available options.

PERMIT CONDITION: **BMP No.A2:** **Public Education and Outreach: Speaking Engagement**

The City of Batavia will work in conjunction with The Conservation Foundation to host their Conservation @ Home presentation. The Conservation @ Home presentation is a free citywide engagement that is held at the Batavia City Hall. It is a program that enlighten residents how to incorporate BMPs in their own yards by the use of plants and trees. In addition the City hosts an annual Rain Barrel Sale at the same time. The program explains how native plants and rain barrels work and how these can reduce the rate of runoff from each lot.

Measurable Goal(s), including frequencies: This program helps to educate the residents about green practices that can be incorporated into individual properties as well as the benefits of rain barrels and using native plants to recharge the aquifer. Annual presentation in April with a rain barrel sale.

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. On April 8, 2015 the City of Batavia hosted The Conservation Foundation to present its Conservation @ Home program. Additional information was available in supplied brochures from The Conservation Foundation. This year the City held the 5th Annual Rain barrel sale online and sold 30 rain barrels.

Order	Delivery	Pick Up Event 4/18/15			Rain Barrels			
Date	Date	Name	Address	City	Black	Grey	Terra Cotta	Blue
3/12/2015		Courtney Huyser	687 Blackhawk Dr	Batavia	1			
3/13/2015		Kathryn Feazel-Kwiatko	1242 Halladay Dr	Batavia			2	
3/16/2015		John Connolly	436 Grove Ct	Batavia		1		
3/21/2015		Gregory Johnson	0s557 skyline Dr	Batavia			1	
3/25/2015		Julie Surina	1208 Anderson Dr	Batavia	1			
3/29/2015		Julie Beirne	817 North Ave	Batavia			1	
3/31/2015		Erik Rogalny	3155 Wagner Ct	Aurora				
4/6/2015		Amy E Lewis	825 Roberts Ln	Batavia			1	
4/9/2015		Kirsten Casas	307 Taubert Ave	Batavia			2	
4/11/2015		Jennifer Nahn	320 Maple Ln	batavia			1	
4/12/2015		Ann Marie Jezioro	1327 Chestnut Ln	Yorkville	1			
4/12/2015		Kathryn Minnich-Meyer	1503 Whitehall Ct	Batavia	1			
4/13/2015		Suzan Avila	828 Bernadette Ln	Batavia				1
4/13/2015		Tina Keenon	1S539 Bayberry Ln	Wheaton	1			
4/14/2015		Joseph Maggio	1243 Hillsboro Dr	Batavia			2	
4/15/2015		Carolyn Burnham	531 Viking Dr	Batavia				1
					5	1	10	2
BARRELS FOR DELIVERY								
3/1/2015	3/4/2015	Ronald Mathis	669 Mair Ct	Batavia		1		
3/6/2015	3/11/2015	Jennifer Tonn	845 Roberts Ln	Batavia	1			
3/10/2015	3/11/2015	Karine Picchietti	1051 Danforth	Batavia	1			
3/12/2015		Veronika Glosky	37w449 Schuster Ln	Batavia				
3/20/2015	3/30/2015	Marge Turner	1226 Danforth Dr	Batavia	1			
3/29/2015	4/1/2015	Jim Widenhoefer	718 Carlisle Rd	Batavia			1	
4/1/2015		Hema Sadasivan	1712 Carr Ct	Batavia			1	
4/10/2015	4/14/2015	Geoffrey Bradley	851 Rocksbury Ct	Batavia	2			
4/11/2015		Matt Loboda	930 N. Forest Ave	Batavia				
4/11/2015		Miller Prosser	1157 Miller Ct	Batavia				
4/12/2015	4/14/2015	Craig Wojtkiewicz	640 Roberts Ln	Batavia	1			
4/12/2015	4/14/2015	Shreyas Bhat	1250 North Ave	Batavia	1			
4/12/2015	4/14/2015	Vince Bellafiore	618 Viking Dri	Batavia			2	
4/13/2015		Janet Heine	506 S Forest Ave	Batavia				
4/14/2015		Derrick Lynd	775 Carriage	Batavia				
4/14/2015		Marion Squires	332 Walnut St	Batavia				
4/14/2015	cancel per	Reynaldo Avila	828 Bernadette Ln	Batavia				
4/15/2015		Christian Rask	1357 Johnstone Dr	Batavia				
					7	1	4	0

PERMIT CONDITION: **BMP No.A3:** **Public Education and Outreach: Public Service Announcement**
The City, through BATV will air "After the Storm". The video shows protecting the nation's water resources with focus on the interconnections between water supply, water quality and the economic vitality and quality of life in our communities. Courtesy of EPA & the Weather Channel. In addition there are various sources of social media including, but not limited to the City's website, www.cityofbatavia.net, the City's Facebook page for the City and its various departments and commissions, that update the public about upcoming events and useful resource information.

Measurable Goal(s), including frequencies: Air video multiple times during the spring and fall annually. Update social media to list the most current practices, regulations and upcoming events.

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 video aired on BATV on April 24-26, April 29-30, May 6-7, May 8-10, 2015, four times each day. The fall the video was unable to air due to technical difficulties.

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 younger elementary aged children, interactive worksheets, stormwater model and/or videos or a tour of the Public Works facility 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. **Younger Elementary Age Group:** On Monday, May 19, 2015 Gary Holm, Director of Public Works spent part of the afternoon with the younger 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 17-23

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 all ages are invited to join us on
Tuesday, May 19 at 10:00a.m.
in the Reading Garden (weather and
construction permitting)

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

2. **Elementary / 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.

3. **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 continued to be made aware of events around the City that they could volunteer at to expose them to stormwater. Instead this year Staff is planning on attending Career Day at the high school on April 7, 2016. They plan to discuss all different types of Civil Engineers, including Stormwater Engineers. 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 will create 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 riprarian areas along the streams. The City will offer assistance and educational programs toward this end also. The City's Geographic Information System (GIS) will assist in implementing 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 Mahoney Creek & Tributary.
Year 2: Complete database for property owners along Batavia Creek.
Year 3: Complete database for property owners along McKee Road Tributary of Mill Creek.
Year 4: Complete database for property owners along the Mill Creek.
Year 5: Complete database for property owners along the Fox River

COMPLIANCE ACTIVITIES:

1. A list of all those residents along Batavia Creek, within Batavia's corporate limits, 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 Batavia Creek. The letter that was submitted to those residents & businesses is included below:

CITY OF BATAVIA

JEFFERY D. SCHIELKE
Mayor

June 8, 2015

RE: BATAVIA CREEK

Dear Property Owner:

You are getting this letter because you live directly adjacent to or your business is directly adjacent to Batavia Creek.

As a resident along Batavia 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 Batavia Creek Watershed. The watershed map shows all the areas that eventually drain to Batavia Creek. 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 gets into full swing please keep these ideas in mind to help promote a healthy watershed. The City of Batavia just held a spring clean-up day (to remove some debris that was washed onto the shore after the winter, cut down brush, etc.) for the Fox River and hopes to plans another one again in the fall. Please watch your Neighbors publications, the City Website, City E-Blasts and/or the City's Facebook page for more information.

Sincerely,

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

Cc: Rahat Bari, City Engineer
File – Stormwater – NPDES II

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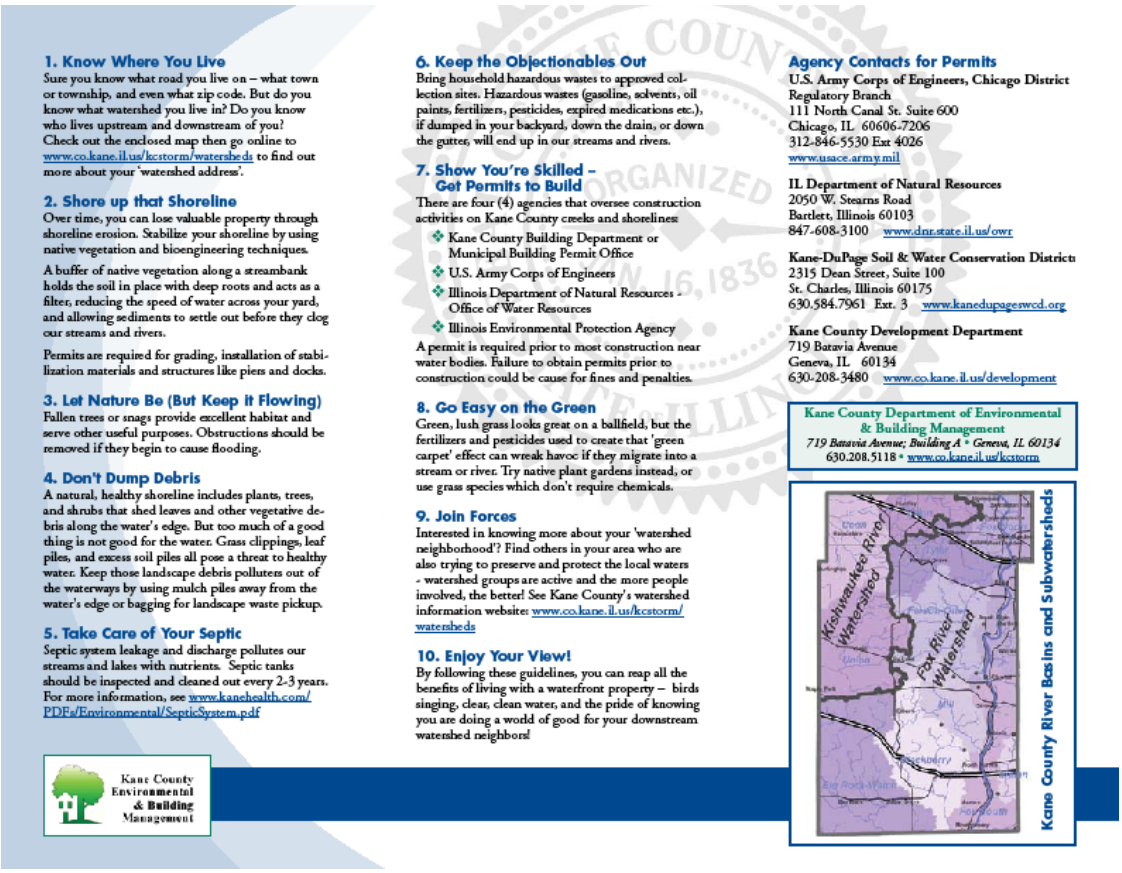
100 North Island Avenue ♦ Batavia, Illinois 60510 ♦ Phone: 630-454-2000 ♦ www.cityofbatavia.net

In addition, a copy of the Watershed Map for Batavia 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 pollutes 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

Kane County Environmental & Building Management

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

PERMIT CONDITION: BMP No.B3: Public Participation/Involvement: Stakeholder Meeting

The City of Batavia will continue to work with and support the Fox River Study Group in preparation of the Fox River Implementation Plan. The Fox River Implementation Plan (FRIP) will be the roadmap for watershed decision makers that will define the reductions in pollutant discharges needed and in-stream projects to be executed that, when implemented, will improve the water quality of the Fox River.

Measurable Goal(s), including frequencies: Resolve the dissolved oxygen and algal impairments which cause the Fox River to not meet its Designated Uses as defined by the IEPA [303(d) List], replace a traditional TMDL plan, and prepare recommendations developed based on good science with input from local decision makers. Continue to have Staff presence at monthly & annual meetings and continue to complete the FRIP with the goals set by FRSG.

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. Byron Ritchason, Superintendent of Wastewater Facilities, is the Assistant Secretary of the Board of Directors of the Fox River Study Group. He attends the monthly meetings. The annual meeting was held on October 29, 2015 at the City of Batavia where multiple staff members were present. This year the board presented the report and their findings. They submitted the FRIP to the IEPA in December. Forward progress was made on how municipalities can help reduce TMDL load as well as exploring ways to remove this section of the Fox River from the IEPA 303(d) list.

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

COMPLIANCE ACTIVITIES:

2. **May 16, 2015 Fox River Trail Clean up:** City staff worked with Friends of the Fox River (FOFR) 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 an article advertising the event in Batavia's local Neighbors Magazine:

630-454-2000 • www.cityofbatavia.net

6th annual rain barrel sale is in April

The city will be hosting the 6th Annual Rain Barrel Sale with The Conservation Foundation, which will be taking orders for your rain barrels during our pre-sale, starting now until the end of the business day on Mon., April 25, for online orders only. The orders placed online are for credit card purchases only. Cash or check purchases can be placed directly with the Conservation Foundation representative at the program on April 13. The Conservation Foundation Rain Barrels are 55 gallons each and made from recycled food grade plastic. The rain barrels come equipped with a spigot, garden hose threaded overflow and screw off lid with a screen to keep out bugs and debris, and a 1-year warranty. There are two options for pricing and delivery: a barrel with standard pick-up or a barrel with home delivery. The prices for these options are $60 or $65 respectively and rail barrels are available in the following colors: black, blue, grey, and terra cotta.

To place an order, go to *cityofbatavia.net/rainbarrels* anytime from now until April 25. The orders will be delivered Sat., April 30, from 9–11am to Clark Island Skate Park, located along the Fox River off Route 25 at approximately 411 S. River St. Remember to bring your receipt! If you choose to have home delivery, you will be prompted to complete more information on the website. The delivery date will be coordinated with the supplier when enough barrels are purchased in the area. If you cannot make it or have additional questions, please contact Jim Kleinwacther with The Conservation Foundation at 630-553-0687 Ext. 302.

For more information on The Conservation Foundation visit their website at *theconservationfoundation.org.*

Save the Date:

Spring is coming soon and so is a Fox River Clean-Up Day

May 21—Co-sponsored by the City of Batavia and Friends of the Fox River. Check the City's website at *cityofbatavia.net* or the May/June issue of *Neighbors* for more information.

Your elected city officials

Mayor– Jeffery D. Schielke
City Clerk– Heidi Wetzel
Treasurer– Gerald R. Miller

Aldermen Serving until May 2019
Ward 1 Carl Fischer *cfischer@cityofbatavia.net*
Ward 2 Alan P. Wolff *awolff@cityofbatavia.net*
Ward 3 Dan Chanzit *dchanzit@cityofbatavia.net*
Ward 4 Susan Stark *sstark@cityofbatavia.net*
Ward 5 Lucy Thelin-Atac *lthelina@cityofbatavia.net*
Ward 6 Michael Russotto *mrussott@cityofbatavia.net*
Ward 7 David J. Brown *dbrown@cityofbatavia.net*

Aldermen Serving until May 2017
Ward 1 Michael O'Brien *mobrien@cityofbatavia.net*
Ward 2 Martin J. Callahan *mcallahan@cityofbatavia.net*
Ward 3 Kyle Hohmann *khohmann@cityofbatavia.net*
Ward 4 Paula Mueller *pmueller@cityofbatavia.net*
Ward 5 Kevin Botterman *kbotterm@cityofbatavia.net*
Ward 6 Nicholas P. Cerone *ncerone@cityofbatavia.net*
Ward 7 Drew McFadden *dmcfadden@cityofbatavia.net*

15

Below are some pictures from the Clean-up event:

<u>PERMIT CONDITION</u>: BMP No.C1: <u>Illicit Discharge Detection and Elimination: Storm Sewer Map Preparation</u>

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: An overall City map was created for the stormwater infrastructure system. Individual maps were created for each tributary to all receiving streams, river and major wetland within the City's municipal limits. Since all the information is collected this will be an ongoing add/upgrade of storm sewer information as new developments are added and modifications are made to the existing stormwater infrastructure.

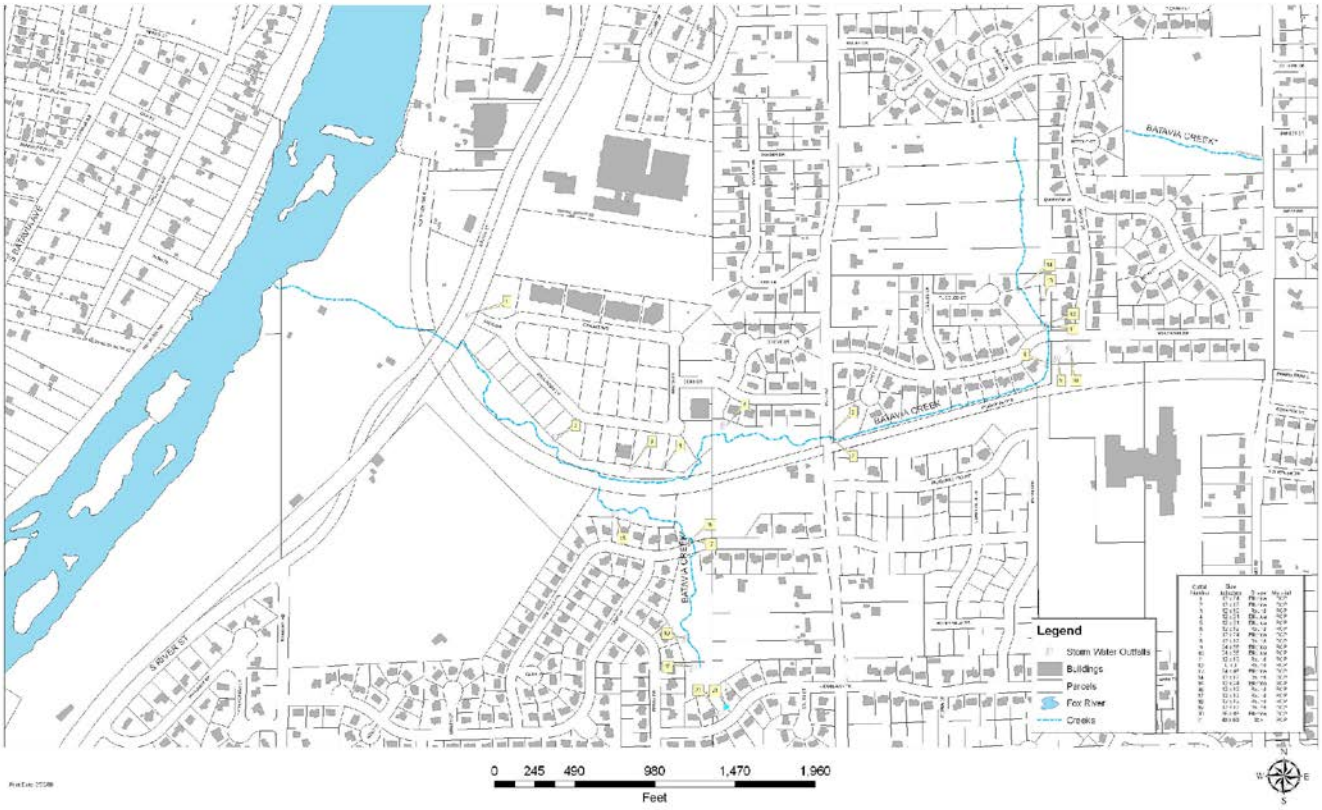
Milestones: **Year 1:** Same as above.
Year 2: Same as above.
Year 3: Same as above.
Year 4: Same as above.

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. 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

June 9, 2015

Jason Green, P.E.
W-T Engineering, Inc.
2675 Pratum Avenue
Hoffman Estates, IL 60192

KDSWCD File: 15e012
USACE Number: LRC-2012-478
Approved Plan Set Dated: 06/04/2015

Dear Mr. Green:

I received your revised soil erosion and sedimentation control plan submittal for the Batavia Speedway 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: Andrea Podraza, City of Batavia
Rahat Bari, City of Batavia
Kimberly Kubiak, USACE
Keith Wozniak, USACE

2315 Dean Street, Suite 100 St. Charles, Illinois 60175 (630) 584-7961x3
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 two licensed professional Civil Engineers on staff. In addition the Staff has retained a wetland scientist to review BMP plans to be in general conformance with Kane County Stormwater Technical Manual and then to field check until the BMP has fully established.

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 and Code Compliance staff are all involved in the post-construction monitoring process.

Measurable Goal(s), including frequencies: City of Batavia Public Works staff participates 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. **Mahoney Creek Watershed:** The City hired Gewalt Hamilton & Associates to review the hydrology & hydraulics at the Mahoney Creek at Wilson Street & the Mahoney Creek Tributary at Woodland Hills Road. In this study GHA is assembling final engineering plans to stabilize the banks of the creek prior to entering the culvert under Wilson Street and after exiting the culvert under Woodland Hills Road. Engineering Plans were completed in July 2015. In addition the City, with the assistance of GHA, applied for a 319 Grant for both of those projects. The City received a letter stating we were not awarded the 319 grants for either project in early March 2016. At this time we are seeking funding options for both projects.

   The remainder of the watershed will be evaluated as an ongoing project, and currently there is a 5-year program to extend to the limits of the watershed and tributary. The plan for the watershed is to improve the area 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.

2. **Indian Creek Watershed / Ward 1 Drainage:** The City experienced heavier than normal rains in June 2015. As a result areas of rain the city experienced flooding and back-ups. The City Council allocated $400,000 to investigate the areas that had the most damage and affected the most residents. The City hired WBK Engineering, LLC in February 2016 to review the hydrology & hydraulics of Ward 1 on the City's east side which is tributary to Indian Creek on the east side of Kirk Road. During the June 2015 rain event this area had severe street flooding and some residents experienced water entering their house too. The study will propose areas where the sewers can be upsized to handle the flow and determine if the culvert needs to be upsized. WBK will present this study in August 2016 and the report will provide the findings where it analyzes the existing storm sewer capacity as well as overland flood routes and the capacity of the drainage culvert south of Giese Road at Kirk.

3. **Fox River Watershed / Area 2 & 3 in the Combined Sewer Area:** The City experienced heavier than normal rains in June 2015. As a result areas of rain the city experienced flooding and back-ups. The City Council allocated $400,000 to investigate the areas that had the most damage and affected the most residents. This is the second area that the City will be focusing on and will be awarding a contract in June 2016 with a final presentation in September 2016. This study area will analyze the downstream sewer capacity and design routing to separate a combined storm & sanitary sewer into separate utilities.

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: Re-evaluate and prioritize the previous list of City owned detention facilities that are good candidates for retrofit projects. Solicit proposals from qualified consultants and/or contractors to develop retrofitting plans for the one or two highest priority facilities.

Year 2: Budget engineering funding for one or two detention retrofit projects. Complete necessary coordination with adjoining property owners to prepare for construction next season.

Year 3: Budget construction funding & construct one or two facilities. Solicit proposals from qualified consultants and/or contractors to develop retrofitting plans for the next one or two highest priority facilities.

Year 4: Budget engineering funding for one or two detention retrofit projects. Complete necessary coordination with adjoining property owners to prepare for construction next season.

Year 5: Budget construction funding & construct one or two facilities. Solicit proposals from qualified consultants and/or contractors to develop retrofitting plans for the next one or two highest priority facilities.

COMPLIANCE ACTIVITIES:

1. **Retrofit locations:** The City has identified six 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 and was budgeted for 2014, but based on the proposals it has been held off until the summer of 2015. The fall of 2015 a contractor was hired to transform the basin to a native basin and currently are awaiting blooms in the spring and summer of 2016.
    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 fifth location is the detention pond at the northeast corner of Deerpath and Main Street.
    f. The basin at the northwest corner of Danforth & Millview is the last location.

    The last five 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. The City has starting funding improvements at Nagel Basin. The City saw it fit to move this one ahead of the second basin. There was routine maintenance and now is scheduled to be converted to a native basin as well.

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

The City of Batavia plans to continue street sweeping operations. This measure helps remove pollutants from the waterways and storm sewer system, therefore improving overall water quality.

Measurable Goal(s), including frequencies: Measurement will be in how many times each item is cleaned: streets 8 times per year, downtown streets 4 times per month from April to October.

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 met the measurable goal this permit period. In addition September 24, 2015 two employees from the Street Department attending a training session for Public Roads Deicing Workshop at DuPage County DOT.

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

The City of Batavia plans to continue routine storm sewer system cleaning. This measure helps remove pollutants from the waterways and storm sewer system while also evaluating the integrity of some of the overall system. Overall water quality is improved and the system is being monitored routinely to perform minor repairs and avoiding major repair items.

Measurable Goal(s), including frequencies: Measurement will be in how many linear feet/miles of sewer is cleaned: approximately 3-4 miles of storm sewer cleaned 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. The City met the measurable goal this permit period. In addition on February 24, 2016 sixteen Street Department staff members attending training for Vac-Con Combination Sewer Cleaning Machine.

Item C: - List of Information Collected & Analyzed for 2015-2016

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

Item D: - Proposed April 2016 – February 2017 Permit Activities

PERMIT CONDITION: **BMP No.A3: Public Education and Outreach: Public Service Announcement**

The City, through BATV will air "After the Storm". The video shows protecting the nation's water resources with focus on the interconnections between water supply, water quality and the economic vitality and quality of life in our communities. Courtesy of EPA & the Weather Channel. In addition there are various sources of social media including, but not limited to the City's website, www.cityofbatavia.net, the City's Facebook page for the City and its various departments and commissions, that update the public about upcoming events and useful resource information.

Measurable Goal(s), including frequencies: Air video multiple times during the spring and fall annually. Update social media to list the most current practices, regulations and upcoming events.

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. Staff will plan to air the episodes in March/April and again in September/October.

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

The City of Batavia is changing this BMP to host the Conservation @ Home program every year in April put on by the Conservation Foundation. In addition the City will hold an annual Rain Barrel Sale that will coincide with the Conservation @ Home program. Conservation @ Home is a free citywide event held at the Batavia City Hall to enlighten residents how to incorporate BMPs in their own yards by the use of plants and trees. In addition discussion about how to incorporate rain barrels and rain gardens into residential yards will take place.

Measurable Goal(s), including frequencies: City to host 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.

PROPOSED ACTIVITIES:

1. Staff will plan an event for early to mid April and run the Rain Barrel Sale to coincide with dates near the Conservation @ Home event.

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 younger elementary aged children, interactive worksheets, stormwater model and/or videos or a tour of the Public Works facility 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.

PROPOSED ACTIVITIES:

1. **Younger Elementary Age Group:** On Thursday, May 19, 2016 Gary Holm, Director of Public Works is scheduled to attend an event called Truck Tales at the Batavia Public Library with the younger elementary students. 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:

2. **Middle School Age Group:** We plan to work with their Ecology Club by distributing interactive worksheets, discussing civil engineering.

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 and attend any upcoming Career Day events to promote and explain Civil Engineering.

PERMIT CONDITION: BMP No.A6: Public Education and Outreach: Other Public Education
The City of Batavia will create 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 riprarian areas along the streams. The City will offer assistance and educational programs toward this end also. The City's Geographic Information System (GIS) will assist in implementing 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 Mahoney Creek & Tributary.
Year 2: Complete database for property owners along Batavia Creek.
Year 3: Complete database for property owners along McKee Road Tributary of Mill Creek.
Year 4: Complete database for property owners along the Mill Creek.
Year 5: Complete database for property owners along the Fox River

PROPOSED ACTIVITIES:
1. A list of all those residents along McKee Road Tributary of Mill Creek will be created using our information already created in our GIS database. A letter will be mailed to all residents and businesses along McKee Road Tributary of Mill Creek in June and include 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.

PERMIT CONDITION: BMP No. B3: Public Participation/Involvement: Stakeholder Meeting
The City of Batavia will continue to work with and support the Fox River Study Group in preparation of the Fox River Implementation Plan. The Fox River Implementation Plan (FRIP) will be the roadmap for watershed decision makers that will define the reductions in pollutant discharges needed and in-stream projects to be executed that, when implemented, will improve the water quality of the Fox River.

Measurable Goal(s), including frequencies: Resolve the dissolved oxygen and algal impairments which cause the Fox River to not meet its Designated Uses as defined by the IEPA [303(d) List], replace a traditional TMDL plan, and prepare recommendations developed based on good science with input from local decision makers. Continue to have Staff presence at monthly & annual meetings and continue to complete the FRIP with the goals set by FRSG.

Measurable Goal(s), including frequencies: Attend monthly stakeholder meetings and provide support.

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. Attend monthly stakeholder meetings and support with suggestions and feedback on proposed course of action as stated in the measurable goal.

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

PROPOSED ACTIVITIES:

1. **May 21, 2016 Fox River Trail Cleanup:** Scheduled clean-up of the trails and banks of the Fox River immediately south of downtown Batavia. City staff will participate in this event co-sponsored with 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. 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:

4. **Mahoney Creek Watershed:** The City hired Gewalt Hamilton & Associates to review the hydrology & hydraulics at the Mahoney Creek at Wilson Street & the Mahoney Creek Tributary at Woodland Hills Road. In this study GHA is assembling final engineering plans to stabilize the banks of the creek prior to entering the culvert under Wilson Street and after exiting the culvert under Woodland Hills Road. Engineering Plans were completed in July 2015. In addition the City, with the assistance of GHA, applied for a 319 Grant for both of those projects. The City received a letter stating we were not awarded the 319 grants for either project in early March 2016. At this time we are seeking funding options for both projects.

   The remainder of the watershed will be evaluated as an ongoing project, and currently there is a 5-year program to extend to the limits of the watershed and tributary. The plan for the watershed is to improve the area 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.

5. **Indian Creek Watershed / Ward 1 Drainage:** The City experienced heavier than normal rains in June 2015. As a result areas of rain the city experienced flooding and back-ups. The City Council allocated $400,000 to investigate the areas that had the most damage and affected the most residents. The City hired WBK Engineering, LLC in February 2016 to review the hydrology & hydraulics of Ward 1 on the City's east side which is tributary to Indian Creek on the east side of Kirk Road. During the June 2015 rain event this area had severe street flooding and some residents experienced water entering their house too. The study will propose areas where the sewers can be upsized to handle the flow and determine if the culvert needs to be upsized. WBK will present this study in August 2016 and the report will provide the findings where it analyzes the existing storm sewer capacity as well as overland flood routes and the capacity of the drainage culvert south of Giese Road at Kirk. With the findings of the final report additional funding will be sought to make improvements in this area.

6. **Fox River Watershed / Area 2 & 3 in the Combined Sewer Area:** The City experienced heavier than normal rains in June 2015. As a result areas of rain the city experienced flooding and back-ups. The City Council allocated $400,000 to investigate the areas that had the most damage and affected the most residents. This is the second area that the City will be focusing on and will be awarding a contract in June 2016 with a final presentation in September 2016. This study area will analyze the downstream sewer capacity and design routing to separate a combined storm & sanitary sewer into separate utilities. Area 2 will have completed final engineering plans by September and the City plans to go out to bid in the fall or winter for construction. As for Area 3 the City will review the findings and then move forward with future separation plans, either all at once or phasing the design and construction.

Item E: - Permit Obligations Provided by Other Government Entity for 2015-2016

NPDES Phase II – 2015-2016 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 and 2014 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.

2. 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.countyofkane.org/FDER/Pages/environmentalResources/stormwaterEducation.aspx

   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. Copies were distributed in local newspapers in addition 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 http://www.countyofkane.org/FDER/Pages/environmentalResources/water.aspx

3. 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 Batavia Creek, Mill Creek, McKee Creek and Mahoney Creek.

CM 2: Public Involvement and Participation:

1. 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.

2. 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. There is a drop off from 9am-2pm every Saturday and Sunday near Naperville Public Works at 156 Fort Hill Drive, Naperville, IL 60540.

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.

Item F: - List of Construction Projects active for 2015-2016

The following is a list of projects that the City of Batavia had active during 2015-2016:

1. Drainage Program (minor drainage improvements for specific locations)
2. Street Program – Resurface
3. Rt. 25 & Rt. 31 Pedestrian Crossing
4. Conversion of Normandy Detention Basin to native plants
5. Conversion of Nagel Detention Basin
6. Braeburn Marsh & Windmill Lakes Maintenance
7. Routine maintenance and replacement of storm sewers
8. Routine maintenance and monitoring of detention basins

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