



# 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, 2014 \_\_\_\_\_ To March, 2015 \_\_\_\_\_

Permit No. ILR40 0510

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

Name: City of Belvidere Mailing Address 1: 401 Whitney Boulevard  
Mailing Address 2: \_\_\_\_\_ County: Boone  
City: Belvidere State: IL Zip: 61008 Telephone: 815-544-9256  
Contact Person: Brent Anderson Email Address: banderson@ci.belvidere.il.us  
(Person responsible for Annual Report)

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

Belvidere

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

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

Owner Signature:

Brent Anderson  
Printed Name:

5/20/2015  
Date:

Director of Public Works  
Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto: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

# ANNUAL FACILITY INSPECTION REPORT

March 2014 – March 2015

City of Belvidere

## SECTION A

No changes have been made.

## SECTION B

Public Education and Outreach:

(A-1) The City continues to maintain a kiosk of information in the entry of City Hall, including stormwater and pollution prevention.

(A-1) We include a pollution prevention message on our water bills at least quarterly.

(A-3) Storm sewer pollution prevention is promoted on local cable access channel 20.

(A-6) Storm Sewer pollution prevention was discussed at the public meeting for the 2015-2016 Budget.

Public Participation/Involvement:

(B-1) Two representatives from the City are on the Regional Storm Water Management Committee, which is tasked with developing the Boone County Comprehensive Stormwater Management Plan.

(B-1) One representative from the City is on the Northern Regional Groundwater Protection Planning Committee, which is tasked with public education and local government assistance in protecting the ground water resources of the northern region.

(B-1) A link is maintained on the City's website for the Kishwaukee River Ecosystem Partnership (KREP).

(B-6) The Kishwaukee River Clean Up Day was held on July 23, 2014.

In addition to the above, the Boone County Conservation District (BCCD) and the Boone County Soil & Water Conservation District (BCSWCD) provides public outreach relative to NPDES storm water requirements. A copy of their summaries of activities is attached.

Illicit Discharge Detection and Elimination:

(C-1) Work continues on developing our City-wide GIS database storm sewer system map. Storm Basins M and N were completed during this reporting period.

(C-2) The Boone County Health Department continues to inspect, review and permit septic systems within the City watershed.

(C-2) Completed annual outfall inspections.

Construction Site Runoff Control:

(D-1, D-2, D-3, D-4, D-6) We continue to enforce local ordinances 151.42 and 151.45 regulating stormwater runoff, sediment and erosion control. The Boone County Soil & Water Conservation District continues to review all subdivision plans and conducts on site inspections during construction on behalf of the City for sediment and erosion control.

Post-Construction Runoff Control:

(E-1) The Belvidere/Boone County Planning Department continues to administer the Boone County Comprehensive Plan.

(E-2, E-4) The City of Belvidere and the Boone County Soil and Water Conservation District continue to administer the regulation of storm water runoff facilities and the maximization of the water quality through the use of structural BMP's for all new developments and redevelopments.

(E-5, E-6) Completed maintenance inspections on active detention ponds.

Pollution Prevention/Good Housekeeping:

(F-1) Training of City employees in pollution prevention is ongoing.

(F-2) The City continues to sweep streets on a regular basis, conduct the fall leaf pickup program as well as conducting a branch pickup program twice a year.

(F-4) All fluids from City equipment maintained at the Street Department are collected and recycled.

The Best Management Practices (BMP's) outlined in the City's MS4 NPDES Permit provides the necessary guidance for the City to achieve the statutory goal of reducing the discharge of pollutants to the maximum extent practicable.

Through the activities of this reporting period, the City is taking positive steps in reaching the goal.

SECTION D

**SUMMARY OF STORM WATER ACTIVITIES 2015/2016**

Public Education and Outreach:

Maintain and distribute stormwater and pollution prevention resource material for citizens.

Maintain stormwater and pollution prevention information on City's website.

Include pollution prevention messages on water billings at least quarterly.

Post storm sewer pollution prevention information on public access cable channel 20 and the City's website.

BCCD & BCSWCD to continue their public education and outreach activities.

Public Participation/Involvement:

Attend Regional Storm Water Management Committee functions.

Attend Northern Regional Groundwater Committee functions.

Work release cleanup of specific areas of the City.

BCCD & BCSWCD to continue their public education and outreach activities.

Illicit Discharge Detection & Elimination:

Continue creation of digital map of City storm sewer system.

Continue outfall inspections.

Construction Site Runoff Control:

BCSWCD review and inspection of all development and redevelopment projects in the City.

Post-Construction Runoff Control:

Continue annual inspection of detention ponds that have been completed and accepted by the City.

Pollution Prevention/Good Housekeeping:

Continue employee training in pollution prevention.

Sweep streets on a regular basis.

Complete fall leaf pickup. (November)

Complete branch pickup program (May/October)

SECTION F

Project: Main and Meadow Redevelopment – Brownfields Site  
Permit #: ILR10P521

# Summary Report For 2014

Boone County Conservation District (BCCD) Public Outreach Efforts Relative to:

1. Stormwater Management Best Management Practices
2. Erosion and Sediment Control
3. Preservation of Surface and Groundwater Quality
4. Conversion of Acquired Cropland to Native Plant Communities

## Educational Programs:

Program	Program Description	Target Audience	Date(s)	Number of Participants
Groundwater Festival	Nearly 400 Fourth and Fifth Grade Students, teachers, and chaperones from Boone, Winnebago and McHenry Counties attended the annual Groundwater Festival held at Rock Valley College. This event is organized and sponsored by several local agencies and organizations. The students, teachers, and guests travel to four different learning stations that have an expert demonstrator to discuss issues associated with water quality, groundwater infiltration and stormwater runoff, and much more.	Fourth and fifth grade classes from school districts within the region.	March 12 <sup>th</sup> , 2014	Nearly 400
Long Prairie Trail Clean-up	BCCD organizes an annual volunteer trail clean-up trash and debris along the trail. The trail crosses the Beaver Creek and Piskasaw Creek and numerous tributaries to them. This clean-up removes debris that might otherwise degrade these high quality streams.	General Public, Bike Clubs, Scout Groups, other Youth Organizations Regional Audience	April 12 <sup>th</sup> , 2014 8 a.m. to 2:30 p.m.	10 people
Flora Nature Preserve Clean-up	Volunteers attend to clean-up debris and litter; assist with the removal of invasive species, and learn about the ecological functions and values of a dolomite prairie. This includes discussions of groundwater recharge and the site's close association with the Troy Bedrock Valley.	General Public	February, 2014	35 participants
Kishwaukee River Clean-up	The BCCD publicizes, organizes and implements a river clean-up that invites the public to canoe the Kishwaukee River and pick-up trash between the canoe launch at Hickory Bill Island and the Distillery Road Conservation Area. Canoeists collected several truck-loads of debris.	General Public – Regional Audience	July 23 <sup>rd</sup> , 2014 9:00 a.m. to 2:00 p.m.	18 participants

Program	Program Description	Target Audience	Date(s)	Number of Participants
Boone County Fair	<p>The BCCD and the Northern Regional Groundwater Planning and Protection Committee rent a large tent and set-up a display. This year's theme was two-fold. Informing people about new conservation and existing conservation lands. Nearly all of these areas are located on the Kishwaukee River Watershed, including the high quality tributaries – Beaver Creek, Coon Creek, and Piskasaw Creek. BCCD properties provide many ecological functions and values including: storage and filtration of floodwaters; enhanced groundwater recharge due to native vegetation; habitat for a diverse range of plant and animal species, including many species listed as species of concern; all sites are located within an Illinois designated Conservation Opportunity Area; and most sites are open to passive public uses.</p> <p>The booth also featured presentations using a streambank erosion model with demonstrations by BCCD professionals.</p> <p>The Northern Regional Groundwater Committee provided information handouts and educational activity booklets for youth. The NRGPPC also held a daily drawing for a rain water collection system.</p>	General Public – Regional Audience	<p>August 6<sup>th</sup> through the 11<sup>th</sup>.</p> <p>Fair Booth was staffed from 9:00 a.m. to 9:00 p.m. each day</p>	Several Thousand visitors stopped at the booth
Tour of BCCD Sites	The BCCD held a tour of Conservation Areas for Rockford University Students. Stops included sites where best management practices have been installed to control streambank erosion; lands were acquired to preserve the Kishwaukee River Riparian corridor – including high quality wetlands; habitat restoration projects that reduce stormwater runoff, improve groundwater infiltration, natural storage and conveyance of floodwaters, and a host of other conservation functions and values.	Rockford University – Learning in Retirement Program	Thursday, May 8 <sup>th</sup> .	14 Participants
Northern Regional Groundwater Planning and Protection Committee	This committee, established by the Illinois Groundwater Protection Act, serves as a regional resource to educate and promote BMP's that preserve the quality and quantity of our local groundwater resources. BCCD Executive Director serves as the Chairperson of this committee.	<p>General Public – Regional Audience</p> <p>Local Public Officials – Regional Audience</p> <p>Youth and Adult Education – Regional Audience</p>	Monthly, 2014	1000's annually

Program	Program Description	Target Audience	Date(s)	Number of Participants
Boone County Agricultural Conference	This two day conference was held by the Boone County Agricultural Preservation Commission and Co-sponsored by the Boone County Conservation District and the Northern Regional Groundwater Protection and Planning Committee (NRGPPC). The BCCD had a booth to provide information and inform attendees about their respective roles with Agriculture and Conservation.	General Public – Regional Audience  Local Public Officials – Regional Audience	July 12, 2014	Approximately 20 attendees
Hooked on Fishing	BCCD in partnership with the Coon Creek Casters, a local conservation group, hosts an event to expose youth and their parents to fishing and appreciation of outdoor experiences. Ethical behaviors associated with natural resources are stressed as part of this experience.	Regional youth and their parents and guardians	June 7 <sup>th</sup> , 2014  Annual Event	136 youth  100 adult parents and guardians  Dozens of mentors
BCCD Summer Camp Programs	BCCD runs three different camps for different age levels throughout the summer. Each week long camp involves a conservation education theme. Every camp includes discussions on waste generation, proper disposal of their waste, and consequences of their actions relative to the natural environment and wildlife.	Camp Redwing – 5 weeks, ages 6 to 11  Camp Ducktails – 5 weeks, ages 4 & 5  Camp Redtail – 2 weeks, ages 12-15	Summer 2014	200 participants  12 staff
Illinois Extension Service: Master Naturalist Course	Course runs seven weeks meeting once each week. A wide range of natural resource topics are covered. BCCD Staff taught several sessions of this course.	Adult Education – general public	Fall/Winter 2014  Annual Activity	~ 20 participants
Stormwater Technical Seminar: <i>The Case for Changes in Stormwater Management</i>	A half day seminar cosponsored by a group of local conservation organizations including the Boone County Conservation District, the Natural Land Institute, the Northern Regional Groundwater Protection and Planning Committee, et.al.	Professional Engineers and Consultants, Local Public Officials, and the public at large	August 26 <sup>th</sup> , 2014	53 participants

**Other Activities of the Boone County Conservation District that affect water quality preservation efforts:**

- **Land Acquisitions:**
  - No new land acquisitions this year.
- **Update-Revision of Regional Greenways Plan** – Boone and Winnebago Counties. Coordination with RMAP and other agencies to continually update this plan. The current effort has evolved into an annual review and revision now that the document is in a digital format. There were some new GIS elements added to expand the utilization of the Greenways plan in local and regional transportation projects and other planning processes.
- **Habitat Restoration:** The BCCD Natural Resource Department has several habitat restoration projects underway.

- **Piscasaw Fen** – Continued management and removal of invasive species on 30 acres of riparian corridor along Piscasaw Creek and associated wetlands. Convert acquired cropland to native habitat. Approximately 15 additional-acres of cropland has been restored to a very diverse, native plant community (more than 100 species of native plants).
- **LIB Conservation Area:** Restoration work involves removal of invasive species in the Kishwaukee bottomlands. Focus on removal of Japanese Honeysuckle, buckthorn, and other invasive, woody vegetation using a tracked skid steer with a Fecon mower attachment.
- **Kinnikinnick Creek Conservation Area:** Removal of invasive trees and shrubs, re-establishment of native hardwood forest and ground cover, to expand the buffer to the Kinnikinnick Creek Nature Preserve.
- **Distillery Road Conservation Area:** Also located in the Kishwaukee River Bottomlands across the Kishwaukee River from the LIB Conservation Area. Habitat restoration – Oak/Hickory Savanna and associated short prairie grassland. Several hundred acre restoration to native plant ecology in a bottomland hardwood, grassland, and wetland complex.



## Summary Report for April 2014 to March 2015

### Boone County Soil & Water Conservation District Public Outreach Efforts Relative to NPDES Phase II Regulatory Requirements.

Program	Program Description	Target Audience	Date(s)	Number of Participants
Groundwater Festival	Each year District staff participates in the Youth Groundwater Festival. More than 600 fourth and fifth grade students, teachers and chaperones from Boone, Winnebago, and McHenry Counties attend. This is the nineteenth year of the event which includes four different learning stations that have an expert demonstrator to discuss issues associated with water quality, groundwater infiltration and stormwater runoff, and much more.	Fourth and fifth grade classes from school districts within the region	March 11, 2015	150
Boone County Fair	The BCCD and Northern Regional Groundwater Planning and Protection Committee rented a tent and set-up displays that addressed specific issues related to water resources. The display included demonstrations with different models such as the groundwater model and information on a variety of topics related to water quality and quantity.	General Public	August 5-10, 2014	Several thousand during the course of the fair
Brochures	The District and Boone County Alliance for Clean Water updated a brochure for distribution at County offices for the general public providing information on BMPs and who to contact regarding water issues.	General Public	April 2014-March 2015	4 sites distributing brochures. Printed as needed.
Brochures	Boone County SWCD updated, edited, and printed brochures on Illicit Discharge, Fertilizers & Pesticides, Road Salt, Landscape and Water Conservation, and Hazardous Materials	General Public	July-October 2014	4 sites distributing brochures. Printed as needed.

<b>Program</b>	<b>Program Description</b>	<b>Target Audience</b>	<b>Date(s)</b>	<b>Number of Participants</b>
Cost-Share for Well Decommissioning Brochures	The District compiled, edited, and printed brochures on well decommissioning and cost-share available to Boone County residents.	General Public	September 2014	2 sites distributing brochures. Printed as needed.
Medication Collection	The District conducted its fifth unused medication collection in Boone County. It was a collaborative effort with Keep Northern Illinois Beautiful, Belvidere Township and other sponsors. A large part of the effort is outreach and education on the problems with improper disposal of unused medications that make their way into our surface and groundwater. Outreach included sending flyers to churches, schools, media outlets, and businesses in Boone County regarding the collection.	General Public	June 14, 2014	Approximately 313 families participated
Medication Collection Brochures	Boone County Soil & Water Conservation District compiled, edited, and printed brochures on pharmaceuticals and groundwater protection.	General Public	May-June 2014	Approximately 50 distributed at the Medication Collection
Envirothon	Envirothon is a National competition for High School students on five subject areas: Aquatics, Forestry, Soils, Wildlife and a current topic. Its mission is "Fostering environmentally conscious decision making young adults". Our Northeastern event is bigger than the State Envirothon and Boone County sends two teams.	High School students and teachers	April 8 <sup>th</sup> & 10 <sup>th</sup> 2014	Approximately 200 – 250 students and teachers annually
Envirothon & Scholarship Presentations	The District visited high schools to provide information on the Envirothon and scholarship opportunities to boost participation from Boone County. The presentation is based on materials handed out to teachers in early October.	High School students and teachers	Oct. 27, 2014: North Boone High School  Nov. 6, 2014: Belvidere High School  Nov. 6, 2014: Belvidere North High School	Approximately 35 students from North Boone, 20 from Belvidere High School, and 20 from Belvidere North High School

<b>Program</b>	<b>Program Description</b>	<b>Target Audience</b>	<b>Date(s)</b>	<b>Number of Participants</b>
Land Use Council 16 Leopold Education Project (LEP)Scholarship Presentation	The District visited the Community Foundation of Illinois in Rockford to promote the LEP Scholarship. A presentation was given on eligibility, application materials, and awards.	High school students, teachers, counselors	October 27 <sup>th</sup> and November 6 <sup>th</sup> , 2014	About 75
4-H Award & Recognition	Youth in 4-H complete projects in various topic areas and document completed projects to receive awards. Boone County SWCD sponsors an award for youth in the topics of: Entomology, geology, plant science, and natural resources.	Youth ages 8-18	Oct. 26 <sup>th</sup> , 2014	Approximately 50 youth, parents, 4-H leaders, and presenters. (About 200 total)
Soil Judging	Every year District and NRCS staff visits the High Schools in Boone County and provides information on soil judging for agricultural students and FFA members. Students compete in a regional soil judging contest which we hosted in 2014. Topics in the presentation include water quality and erosion and sediment control.	High school students and teachers	Oct. 23 <sup>rd</sup> , 2014	130 students
Erosion and Sediment Control Workshops	Boone County SWCD staff assisted in planning and hosting workshops for engineers, consultants, site managers and contractors at Rock Valley College. These workshops directly address NPDES requirements and BMPs.	Engineers, consultants, site managers, contractors	Dec. 11 <sup>th</sup> , 2014 and March 18, 2015	Approximately 176
Erosion and Sediment Control Inspections	Boone County SWCD staff conducts inspections for compliance for erosion and sediment control as mandated by the Boone County Subdivision Code. Staff also reviews plans and follows up on the implementation of the plans.	Contractors, site managers, consultants	April 2014 through March 2015	8 sites with multiple inspections