



Illinois Environmental Protection Agency

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

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

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

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

Report Period: From March, 2012 To March, 2013

Permit No. ILR40 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:

MAY 20, 2013

Date:

Director of Public Works

Title:

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

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

ANNUAL FACILITY INSPECTION REPORT

March 2012 – March 2013

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 2013-2014 Budget as well as the public meeting for the Downtown TIF Improvement Project.

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) 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 August 25, 2012.

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 J, K-1 and L 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 2013/2014

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

Public Participation/Involvement:

Attend Regional Storm Water Management 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

Project: Belvidere Downtown TIF Improvements 2012
Permit #: ILR10Q441

Summary Report For 2012

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	More than 300 Fourth and Fifth Grade Students, teachers, and chaparones 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 13 th , 2012	More than 300
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 Piscasaw 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 28 th , 2012 8 a.m. to 2:30 p.m.	50
Barnes and Noble Presentation	Earth Day program that incorporated themes on surface and groundwater preservation, habitat restoration, and other environmental topics	Open to the general public	April 20 th , 2012	50 people

Program	Program Description	Target Audience	Date(s)	Number of Participants
Rockford Boys and Girls Club – Spencer Conservation Area Clean-up	BCCD organized a clean-up activity with youth members of the Rockford Boys and Girls Club. Several truckloads of debris were removed from the drainage ditch that borders the northern property line of the Spencer Conservation Area. Debris was collected along the ditch and adjacent land. Youth were also provided an opportunity to learn how their actions can affect high quality natural areas – like the Kishwaukee River, as part of this event.	Rockford Boys and Girls Club	Saturday, May 5 th , 2012 8:00 a.m. to 1:30 p.m.	Approximately 20 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, 2012	30 participants
A River Gathering	The Four Rivers Coalition, which includes the BCCD, hosted a four day conference focused on the four rivers of the Boone, Winnebago, DeKalb, Rock, and McHenry Counties along the Wisconsin/Illinois State line. There were many speakers, tours, educational activities, and other functions associated with this event. The BCCD was a major sponsor and was heavily involved in the planning and implementation of this event.	General Public, Public Officials, Teachers, Environmental Organizations, Farm Organizations, Regional Media, etc... Regional Audience	To be held in June of 2013 – this is an event that occurs every other year.	Event for 2013 was planned throughout 2012
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	August 25 th , 2012 9:00 a.m. to 2:00 p.m.	20 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 focused on BMP's for maintain surface and groundwater quality. A streambank water table display was used to demonstrate and discuss the causes, effects and methods to address streambank erosion.</p> <p>The Northern Regional Groundwater Committee sponsored a rain barrel drawing each day of the fair except Sunday, a total of five rain barrels were given away.</p>	General Public – Regional Audience	<p>August 7th through the 12th.</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. 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.	Grand Victoria Foundation Board and Staff; Illinois Clean Energy Community Foundation Board and/or Staff; Illinois Department of Natural Resources State Administration Officials – Jim Herkert, et.al.	Tuesday, June 12 th .	25 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 Vice Chair 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, 2012	1000's annually
Tour of BCCD Sites	The BCCD held a tour of Conservation Areas. 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.	Illinois Association of Conservation Districts	<p>August 26th, 2011</p> <p>Two Day Event</p>	60
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 2 nd , 2012	<p>110 youth</p> <p>100 adult parents and guardians</p> <p>Dozens of mentors</p>

Program	Program Description	Target Audience	Date(s)	Number of Participants
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 – 6 weeks, ages 6 to 11 Camp Ducktails – 6 weeks, ages 4 & 5 Camp Redtail – 2 weeks, ages 12-15	Summer 2012	175 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 2012	20 participants

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

➤ **Land Acquisitions:**

- Verona Properties – 221-acres of conservation land along the Kishwaukee River Riparian corridor and Beaver Creek corridor. Native habitat restoration planned at this site (nearly 35-acres of cropland are to be restored to native plant communities)
- Funderburg Property – 82-acres of conservation land along the Piscasaw Creek which is tributary to the Kishwaukee River. This site requires no reversion of cropland to native habitat, but it is preserving more than 65-acres of riparian wetlands, floodplain, and riparian corridor.
- Note: Both of these land acquisitions were accomplished with funds awarded by various grant sources.

➤ **Update-Revision of Regional Greenways Plan** – Boone and Winnebago Counties. Coordination with RMAP and other agencies to update the third edition of this plan. The current effort has evolved into an annual review and revision now that the document is in a digital format.

➤ **Habitat Restoration:** The BCCD Natural Resource Department has several habitat restoration projects underway.

- **Piscasaw Fen** – Removal of invasive species on 30 acres of riparian corridor along Piscasaw Creek and associated wetlands. Convert acquired cropland to native habitat. Approximately 20-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 2012 to March 2013

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 13, 2013	More than 600
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 7,8,9,10,11,12	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 2012	1,000 printed
Safety Town	Safety town is a day camp sponsored by local Granges for youth from kindergarten to sixth grade. BCSWCD staff presented sessions with children, parents and chaperones on groundwater, pollution and ways to protect our water resources using the groundwater model.	Elementary school children	July 11, 2012	Approximately 100 children and parents

Program	Program Description	Target Audience	Date(s)	Number of Participants
Ag in the Classroom	Annually the District participates in Ag in the Classroom with the Boone County Farm Bureau. Our presentation includes a groundwater model and discusses with children, teachers and chaperones possible sources of pollution and ways to protect water resources. The groundwater model illustrates elements of the water cycle, the connection between ground and surface water and how we impact those resources.	Third grade students	April 17, 2012	Approximately 600 students, parent and chaperones yearly
Medication Collection	The District conducted its third 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 9, 2012	Approximately 254 families participated
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 3,5,2012	Approximately 200 – 250 students and teachers annually
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. 12, 2012, March 6, 2013	Approximately 176

Program	Program Description	Target Audience	Date(s)	Number of Participants
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 host every fourth year. Topics in the presentation include water quality and erosion and sediment control.	High school students and teachers	Oct. 4, 2012	120 students yearly
Summer Agricultural Institute	BC SWCD staff regularly participates in this Farm Bureau sponsored program intended to further education K-12 teachers from Boone, Winnebago, and Ogle counties on Ag issues. The program addresses soils, water, crops, livestock, environmental issues, and technological advances in the industry. District staff has used this opportunity to inform educators on soils, erosion and sediment control and conservation farming practices.	K-12 Teachers	July 11, 2012	15 teachers yearly
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 2012 through March 2013	9 sites with multiple inspections
Brochures	Boone County SWCD compiled, edited and printed brochures on Illicit Discharge, Fertilizers & Pesticides, Road Salt, Landscape and Water Conservation and Hazardous Materials	General Public	Oct. 2012 Feb. 2013	4 sites are distributing brochures