



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, 2017 To March, 2018

Permit No. ILR40 0510

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

Name: City of Belvidere Mailing Address 1: 401 Whitney Blvd.

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)

City of 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:

Date:

May 30, 2018

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



CITY OF BELVIDERE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

**2018 ANNUAL FACILITY INSPECTION REPORT
MARCH 2017 TO MARCH 2018 REPORTING PERIOD**

A. CHANGES TO BEST MANAGEMENT PRACTICES

There were no changes to the Best Management Practices (BMPs) commitments in the City of Belvidere's Notice of Intent (NOI) for the reporting period of March 2017 to March 2018.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The City of Belvidere committed to implement several BMPs in order to meet the requirements of the NPDES Phase II Stormwater Program. The following is a status of the implementation of the BMPs during the reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

BMP No. A.1 Distribute Paper Material

Measurable Goal(s), including frequencies: Improve access to information and provide a resource for citizens.

Milestones: Monitor distribution/availability of material, add new material and update website as needed. Place pollution prevention messages on water bills.

BMP Status: The City continues to maintain a kiosk of information in the entry of City Hall, including stormwater and pollution prevention. The City also includes pollution prevention messages on water bills.

BMP No. A.3 Public Service Announcement

Measurable Goal(s), including frequencies: The City will promote pollution prevention on their cable channel by public service announcement annually.

Milestones: Post advertisements on the cable channel prior to events.

BMP Status: Stormwater pollution prevention information is provided on local cable access Channel 20.

BMP No. A.6 Other Public Education

Measurable Goal(s), including frequencies: The City will educate local citizens at public forums to discuss proposed public improvement projects.

Milestones: Provide public forums annually.

BMP Status: Storm sewer pollution prevention was discussed during an annual budget presentation.

BMP No. B.1 Public Panel

Measurable Goal(s), including frequencies: The City will attend meetings and local partnership functions. Representatives of the BCSWCD and BCCD have permanent seats on the Kishwaukee River Ecosystem Partnership Council.

Milestones: Attend Regional Storm Water Management Committee and Northern Regional Groundwater Committee functions.

BMP Status: Two representatives from the City are on the Regional Storm Water Management Committee, which is tasked with developing and maintaining the Boone County Comprehensive Stormwater Management Plan.

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 of Illinois.

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

BMP No. B.6 Program Involvement

Measurable Goal(s), including frequencies: Participation in events and public involvement programs sponsored by the BCSWCD and BCCD.

Milestones: Work release cleanup of specific areas of the City. BCCD & BCSWCD to continue their public education and outreach activities.

BMP Status: BCCD conducted numerous public outreach and involvement events in the reporting period that reached thousands of people, and included pollution prevention and stormwater BMP information. A summary report of these events is attached to this report.

BMP No. C.1 Storm Sewer Map Preparation

Measurable Goal(s), including frequencies: Map the complete system and integrate map into City-wide GIS database.

Milestones: Complete 10% of database.

BMP Status: Work continues on developing the City-wide GIS database storm sewer system map.

BMP No. C.2 Regulatory Control Program

Measurable Goal(s), including frequencies: Boone County Health Department reviews and administers permits for septic systems. The City will screen stormwater outfalls, and report discharges to City Attorney for enforcement.

Milestones: Monitor elimination of illegal septic systems and update regulations as needed. Continue outfall screening.

BMP Status: The Boone County Health Department continues to inspect, review and permit septic systems within the watershed.

The City inspected over 70 outfalls. No illicit discharges were found.

BMP No. D.1-D.6 Construction Site Runoff Control

Measurable Goal(s), including frequencies: All new development and redevelopment projects within City limits comply with Ordinances 151.42 and 151.45 which regulate storm water runoff and sediment and erosion control.

Milestones: BCSWCD annual report of activities submitted to City.

BMP Status: The City continues 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.

BMP No. E.1 Community Control Strategy

Measurable Goal(s), including frequencies: Review plan annually and update for new issues. 100% of new developments to comply with the plan.

Milestones: Monitor compliance at all Planning & Zoning Board meetings.

BMP Status: The Belvidere/Boone County Planning Department continues to administer the Boone County Comprehensive Plan.

BMP No. E.2/E.4 Regulatory Control Program & Pre-Construction Review of BMP Designs

Measurable Goal(s), including frequencies: All new developments and redevelopments comply with ordinance.

Milestones: BCSWCD and City will continue reviewing plans.

BMP Status: The City 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

BMP No. E.5/E6 Site Inspections During Construction & Post-Construction Inspections

Measurable Goal(s), including frequencies: All construction site inspections routinely and finished developments inspected annually.

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

BMP Status: Completed maintenance inspections on active detention ponds along with outfall screening.

BMP No. F.1 Employee Training Program

Measurable Goal(s), including frequencies: Train City employees annually on identifying illicit discharges and other pollution prevention measures.

Milestones: Continue employee training in pollution prevention.

BMP Status: Training of City employees on stormwater pollution prevention is ongoing.

BMP No. F.2 Inspection and Maintenance Program

Measurable Goal(s), including frequencies: Sweep 100% of streets twice per year. Perform annual fall leaf pickup program for 100% of corporate limits. Control dumping and runoff from snow storage site.

Milestones: Continue tracking and reporting sweeper hours monthly and leaf pickup crew hours annually. Continue monitoring runoff and retrain employees at the annual snow-meeting. Control dumping and runoff from snow storage site.

BMP Status: 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. Staff have been trained on winter deicing material and snow storage and handling.

BMP No. F.4 Municipal Operations Waste Disposal

Measurable Goal(s), including frequencies: Properly collect and recycle waste fluids.

Milestones: Review existing recycling effectiveness and renew contract.

BMP Status: All fluids from City equipment maintained at the Street Department are properly collected and recycled.

C. INFORMATION AND DATA COLLECTION RESULTS

Activities this reporting period consisted primarily of program and BMP implementation. No sampling data was collected during this period. Stormwater outfalls were inspected, including visual observations, and no illicit discharges or other issues were identified.

D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES

The following activities are planned to be performed during the next reporting period:

BMP No. A.1 Distribute Paper Material

Measurable Goal(s), including frequencies: Improve access to information and provide a resource for citizens.

Milestones: Monitor distribution/availability of material, add new material and update website as needed. Place pollution prevention messages on the water bills.

BMP No. A.3 Public Service Announcement

Measurable Goal(s), including frequencies: The City will promote pollution prevention on their cable channel by public service announcement annually.

Milestones: Post advertisements on the cable channel prior to events.

BMP No. A.6 Other Public Education

Measurable Goal(s), including frequencies: The City will educate local citizens at public forums to discuss proposed public improvement projects.

Milestones: Provide public forums twice per year.

BMP No. B.1 Public Panel

Measurable Goal(s), including frequencies: The City will have 90% attendance at meetings and Partnership functions. Representatives of the BCSWCD and BCCD have permanent seats on the Kishwaukee River Ecosystem Partnership Council.

Milestones: Attend Regional Storm Water Management Committee and Northern Regional Groundwater Committee functions.

BMP No. B.6 Program Involvement

Measurable Goal(s), including frequencies: Monitor and obtain annual report from annual events and programs sponsored by the BCSWCD and BCCD.

Milestones: Work release cleanup of specific areas of the City. BCCD & BCSWCD to continue their public education and outreach activities.

BMP No. C.1 Storm Sewer Map Preparation

Measurable Goal(s), including frequencies: Map complete system and integrate map into City-wide GIS database (approximately 50% complete to date).

Milestones: Complete 10% of database.

BMP No. C.2 Regulatory Control Program

Measurable Goal(s), including frequencies: Boone County Health Department reviews and administers permits for septic systems. The City will inspect outfalls and report violations to City Attorney for enforcement.

Milestones: Monitor elimination of illegal septic systems and update regulations as needed. Continue outfall inspections.

BMP No. D.1-D.6 Construction Site Runoff Control

Measurable Goal(s), including frequencies: All new development and redevelopment projects within City limits comply with Ordinances 151.42 and 151.45 which regulate storm water runoff and sediment and erosion control.

Milestones: BCSWCD annual report of activities submitted to City.

BMP No. E.1 Community Control Strategy

Measurable Goal(s), including frequencies: Review plan annually and update for new issues. 100% of new developments to comply with the plan.

Milestones: Monitor compliance at all Planning & Zoning Board meetings.

BMP No. E.2/E.4 Regulatory Control Program & Pre-Construction Review of BMP Designs

Measurable Goal(s), including frequencies: All new developments and redevelopments comply with ordinance.

Milestones: BCSWCD and City will continue reviewing plans.

BMP No. E.5/E.6 Site Inspections During Construction & Post-Construction Inspections

Measurable Goal(s), including frequencies: All construction site inspections routinely and finished developments inspected annually.

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

BMP No. F.1 Employee Training Program

Measurable Goal(s), including frequencies: Train City employees annually on identifying illicit discharges and other pollution prevention measures. Estimated two hours annually.

Milestones: Continue employee training in pollution prevention.

BMP No. F.2 Inspection and Maintenance Program

Measurable Goal(s), including frequencies: Sweep 100% of streets twice per year. Perform annual fall leaf pickup program for 100% of corporate limits. Ensure no illicit discharges from snow disposal site.

Milestones: Continue tracking and reporting sweeper hours monthly and leaf pickup crew hours annually. Continue monitoring runoff and retrain employees at the annual snow-meeting.

BMP No. F.4 Municipal Operations Waste Disposal

Measurable Goal(s), including frequencies: All waste fluids are collected and recycled.

Milestones: Review existing recycling effectiveness and renew contract.

E. NOTICE OF RELIANCE ON ANOTHER GOVERNMENT ENTITY

The City coordinates with and relies on the Boone County Soil & Water Conservation District to satisfy BMP D.1-D.6, Construction Site Runoff Control, and BMP E.2/E.4 Regulatory Control Program & Pre-Construction Review of BMP Designs. BCSWCD provides an annual report of activities.

The City coordinates with and relies on the Boone County Conservation District to satisfy BMP B.6, Public Participation and Involvement. A summary report of outreach activities is provided each year.

F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD

City owned projects greater than one acre that were active during the reporting period:

- Main and Meadow Redevelopment – Brownfields Site
Permit #: ILR10P521
- Trip Road Reconstruction Project

Summary Report For 2017

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. Acquisition of important conservation lands to preserve and enhance ecological functions & values
5. Conversion of acquired cropland to native plant communities to implement Illinois State Wildlife Action Plan goals and objectives

Educational Programs:

Program	Program Description	Target Audience	Date(s)	Number of Participants
Groundwater Festival	More than 600 Fourth and Fifth Grade Students, teachers, and chaperones from Boone and Winnebago 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 8 th , 2017	Over 600
Seminar – Illinois Groundwater Professionals; Forest Hills Lodge	Presentation on local geology, surface water and groundwater issues, and an in situ field exercise at the presentation site. The new Mercy Medical Center was also used to discuss stormwater management and surface water runoff.	Well and Septic Contractors, Public Health Officials, Municipal and County Officials, and other members of the organization.	Tuesday, March 28, 2017	100 to 150 participants
Boone County Water Preservation and Protection Action Committee	<p>A group of local officials representing the City of Belvidere, Boone County, Boone County Conservation District, Boone County Soil and Water Conservation District, Farm Bureau, the local Parks & Conservation Foundation, citizens at large and other organizations.</p> <p>This Committee has formed several subcommittees and is working to develop tools (maps) that identify sensitive aquifer recharge areas, funding to assess and develop 3-Dimensional groundwater modeling, and establish measures to protect and sustain water resources in this area.</p>	On-going effort – public officials, general public, municipal water supply, and local/regional community outreach	Monthly meetings or meetings as needed to facilitate momentum and progress	Active membership consists of local agency staff and other committee members – approximately 12 people.

Program	Program Description	Target Audience	Date(s)	Number of Participants
Career Education Association of North Central Illinois (CEANCI)	<p>The Boone County Conservation District set-up a working streambank erosion model and demonstrated erosion control practices</p> <p>The City of Belvidere set-up their remote camera and demonstrated their ability to remotely assess infrastructure associated with stormwater management facilities.</p>	Winnebago and Boone County Middle-School students, teachers and chaperones. The local media also attended this event	Friday, April 7, 2017	2,293 sixth and seventh grade students – more than 800 were from Boone County Schools
Environmental AP Class – Hononegah High School	Field Experience at Kinnikinnick Creek Conservation Area. Aquatic assessment of Kinnikinnick Creek.	AP Environmental Science Students	Wednesday, April 12, 2017	40 students, teachers and chaperones
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 23rd, 2016 8 a.m. to 2:30 p.m.	196 people
Illinois Extension Service – Master Naturalist Certification Program	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 including: Environmental Ethics; Native Habitats of Northern Illinois; Geology and Soils of Northern Illinois; and Native Cultural History.	U of I Extension Master Naturalist Training Program participants	April – May Four, three-hour sessions	12 Participants
We Are Science Conference	Demonstrated Groundwater Model to professional science educators. Program was organized by Burpee Museum to support Winnebago and Boone County Science Educators.	Science Teachers – Boone & Winnebago Counties	Thursday, June 8 th	200 Science Teachers
Regional Metropolitan Agency Planning (RMAP) Technical Committee	Provide natural resource and environmental perspective to regional transportation and infrastructure planning.	Local & Regional Public Officials, Transportation Professionals, Municipal and County Planning Agencies	Monthly Meetings (3 rd Thursday of each month)	35 – 40 regular 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 Piscasaw 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.</p>	General Public – Regional Audience	<p>August 8th through the 14th.</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	Tuesday, May 21 st .	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, 2017	1000's annually

Program	Program Description	Target Audience	Date(s)	Number of Participants
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 3rd, 2017 Annual Event	174 youth 111 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 2017	200 participants 12 staff
Kishwaukee River Safety Protocol Meetings	Due to a number of emergency response circumstances several local agencies, including: The Boone County Sheriff's Department, City of Belvidere Police Department, City of Belvidere and Boone County EMS personnel, Boone County Conservation District and the Belvidere Park District all met to discuss managing access to the Kishwaukee River and its tributary streams during high flow conditions.	Local EMS and Land Management Agencies.	Initial meeting: Wednesday, July 19, 2017	10 participantsD
Green Cities Campaign – IDNR Update to the State Wildlife Action Plan; And – Local Implementation Efforts	BCCD staff participated in a series of meetings with the Natural Land Institute, IDNR Technical Staff, the Winnebago County Forest Preserve District Staff, Rockford Park District Staff, and others to review and update the Green Cities Campaign (urban component of the State of Illinois Wildlife Action Plan).	BCCD Staff – on going effort – Native Seed Exchange; Collaborative Habitat Restoration; Pollinator Habitat; Removal of Invasive Species...	Monthly Meetings	~ 20 participants
Belvidere High School Environmental Club	BCCD staff assisted the BHS Environmental Organization (KARE) to conduct a clean-up at Spencer Conservation Area	KARE Club, including Advisor, BCCD staff	Tuesday, May 23rd 3:30 – 5:30 pm	~ 20 participants
Dedication of East County Line Conservation Area	Public Dedication Program for this new 89-acre site, canoe/kayak put-in/take-out. A group canoe/kayak paddle from this site to Red Horse Bend canoe launch followed the dedication program.	Local Officials, Grant Sources, Resource Agencies, General Public	Saturday, August 26, 2017	~ 40 people
Update – Boone County Comprehensive Plan	BCCD participated in preparing and submitting written input toward the update	Local Public Officials and the General Public	Initial meeting	Perhaps 50 people.

Program	Program Description	Target Audience	Date(s)	Number of Participants
	process of the Boone County Comprehensive Plan. Board members and staff participated in public meetings and workshops to contribute input and engage with other members of the public.		with BCCD involvement occurred on Thursday, September 7 th	
Hidden Treasures Bus Tour	Day-long educational program targeting adults interested in learning more about important conservation lands and the benefits for wildlife, surface and groundwater resources, passive recreational activities, and educational opportunities.	General Public	Saturday, October 28, 2017	~ 30 participants
Region One Planning Council Environmental Committee	Regional committee intended to prioritize, assess and propose environmental actions that the community can implement.	Regional participants from environmental and natural resource agencies, education, or other affiliations interested in addressing local environmental concerns. Water resources is a key aspect of this effort.	First meeting was held on Thursday, October 26 th . Meets every other month	~ 40 people

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

➤ Land Acquisitions:

- The BCCD Opened 89-acres of property to public use – including a paddle-sport put-in/take-out on the Kishwaukee River. This property is located along East County Line Road with the Kishwaukee River flowing across it. The site preserves important conservation lands; bottomland hardwood floodplain and wetlands occupy a significant area of this property. The BCCD will manage and enhance this site for natural ecological functions and values, as well as passive recreational activities.

➤ 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. All cropland at this site has been restored to a very diverse, native plant community (more than 125 species of native plants). Project was completed in February 2015.
- **Piscasaw Fen** – Wetland restoration work was completed in the fall of 2017. Approximately six-acres of wetlands have been restored in a prior converted agricultural field. Drain tile was improved and modified. Monitoring wells have been installed and woody invasive plants were removed. New drain tile was installed with a watertable management structure to assist with groundwater management and facilitate existing (pass through) drainage from adjacent properties.

- **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. District continues to monitor this restoration site to control re-sprouts of invasive plant species.
- **Kinnikinnick Creek Conservation Area:** A new United States Fish and Wildlife Service habitat restoration grant project has been initiated at this site. The new project will focus on restoring native habitat for pollinator species, including Monarch Butterflies and other species in greatest need of conservation. Other project work continues with the 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.
- **Prescribed burning:** BCCD staff conducted prescribed burning at Piscasaw Fen, Distillery Road Conservation Area, Flora Prairie, Spencer Conservation Area, Kinnikinnick Creek Conservation Area, Ipsen Road Conservation Area and other sites to control invasive species and improve native habitats.
- **Kishwaukee Valley Conservation Area:** The Parks & Conservation Foundation applied for and received a \$32,000 Illinois Clean Energy Community Foundation Stewardship Challenge Grant. Six acres of habitat was enhanced by removing invasive vegetation, removing old fencing materials, cutting down and removing a non-native red pine plantation at the end of its life cycle. Frost seeding more than 125 species of native plants on a four-acre cropland area to expand and restore nesting habitat for the State Endangered Blanding's Turtle and other species in greatest need of Conservation as detailed in the Illinois Department of Natural Resource State Wildlife Action Plan. This project was completed in April 2017. The restoration areas have been managed with prescribed burning and mowing activities.
- **Spencer Conservation Area:** BCCD has implemented a new Memorial Habitat Program. This program allows groups or individuals to contribute memorial funds toward the restoration of native habitat at BCCD Conservation Areas with a focus at the Spencer Conservation Area in Belvidere. Memorials can be established to create ¼ to 1-acre native plantings with up to 125 species of native plants. There have been several memorial plantings established. Larger scale plantings can also be arranged for those willing to invest more funding.

Summary Report for April 2017 to March 2018

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 event includes four different learning stations that have an expert demonstrator to discuss issues associated with water quality, groundwater infiltration and stormwater runoff.	Fourth and fifth grade classes from school districts within the region	March 2017	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 2017	Several thousand during the course of the fair.
Northern Regional Groundwater Planning and Protection Committee	Monthly meeting reports on groundwater issues and conservation.	Committee Members	April 2017- March 2018	20 Members
Brochures	The District and Boone County Alliance for Clean Water brochure for distribution at County offices for the general public providing information on BMPs and who to contact regarding water issues.	General Public	April 2017- March 2018	Four sites distributing brochures. Printed as needed.
Brochures	Boone County SWCD brochures on Illicit Discharge, Fertilizers & Pesticides, Road Salt, Landscape and Water Conservation, and Hazardous Materials.	General Public	April 2017- March 2018	Four sites distributing brochures. Printed as needed.

Program	Program Description	Target Audience	Date(s)	Number of Participants
Medication Collection	The District conducted its eighth 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 and impacts on surface and groundwater.	General Public	June 2017	Approximately 293 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 4 th & 6 th 2017	Approximately 200 – 250 students and teachers annually
Cost-Share for Well Decommissioning	The District brochures on well decommissioning and cost-share available to Boone County residents.	General Public	April 2017- March 2018	One site distributing brochures. Printed as needed.
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 DeKalb SWCD hosted in 2015. Topics in the presentation include water quality and erosion and sediment control.	High school students and teachers	October 2017	56
Erosion and Sediment Control Workshops	Boone County SWCD staff assisted in planning and hosting a workshop for engineers, consultants, site managers and contractors at Rock Valley College. This workshop directly addresses NPDES requirements and BMPs.	Engineers, consultants, site managers, contractors	March 2018	Approximately 130
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 2017 - March 2018	Multiple sites, 11 inspections