



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4's)

Part I. Municipal (MS4) Contact Information

1. Name of Municipality: City of Belvidere MS4 #: ILR400510
 Population (based on 2010 census): 25,027
2. MS4 Mailing Address: 401 Whitney Boulevard City: Belvidere, IL Zip: 61008
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
 Name: Brent Anderson Title: Director of Public Works
 Phone: 815-544-9256 Email Address: banderson@ci.belvidere.il.us

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 15 20 Longitude: 88 52 00
 Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: City Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:
- | City/Village | Township | County |
|--------------|-----------|--------|
| Belvidere | Belvidere | Boone |
-
7. Area of land within your MS4 in square miles: 320
8. Percent of MS4 served by combined sewer: 0 Percent of MS4 served by separate sewer: 100

Impaired Waters

The most recent 303(d) list may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>. Information regarding TMDLs may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/default.aspx>.

- 9.
- | Name(s) of known receiving waters (in and within 3 miles of MS4 area) | Impairment listed on 303d List or TMDL? |
|---|---|
| Kishwaukee River | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Beaver Creek | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| Piscasaw Creek | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Coon Creek | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Mosquito Creek | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| Mayberry Creek | <input type="radio"/> Yes <input checked="" type="radio"/> No |
-

9a. If impaired, which potential causes and source?

Causes: Fecal Coliform, PCBs Source: Unknown

9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan? Yes No

9c. Is the MS4 community included in the chloride variance? Yes No

Program Responsibility

10. Shared Responsibility

Is your MS4 responsible for any permit requirements of another MS4 community? Yes No

Does your MS4 Community rely on another MS4 to satisfy any of the permit requirements? Yes No

11. Co-Permittee

Is your MS4 Community a Co-Permittee with another MS4 Community? Yes No

12. Other contacts responsible for implementation or coordination of Stormwater Management Program

Name: Brent Anderson Title: Director of Public Works

Phone: 815-544-9256 Email: banderson@ci.belvidere.il.us

Area of Responsibility: Stormwater Program Implementation

Name: Dan Anderson Title: Water/Sewer/Street Superintendent

Phone: 815-544-9256 Email: danderson@ci.belvidere.il.us

Area of Responsibility: Operations

Add a row

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Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area

A. Public Education and Outreach

Approximate date first implemented: 2002 Frequency of each BMP program: Annual

Qualifying Local Programs

Measurable Goals (include shared responsibilities)

A.1 Distributed Paper Material

Brief Description of BMP

City has established existing literature to develop a library of information which is available to the public at local government offices or on the City's website.

Measurable Goals, including frequencies

Provide access to information and provide a resource for citizens each year.

Milestones

Year 1:

Monitor distribution/availability of material, add new material and update website as needed.

Year 2:

Monitor distribution/availability of material, add new material and update website as needed.

Year 3:

Monitor distribution/availability of material, add new material and update website as needed.

Year 4:

Monitor distribution/availability of material, add new material and update website as needed.

Year 5:

Monitor distribution/availability of material, add new material and update website as needed.

Additional Info

BMP Number: A.1

Brief Description of BMP: City will promote pollution prevention in a message on its water bills.
Year 1: Place pollution prevention message on water bills.
Year 2: Place pollution prevention message on water bills.
Year 3: Place pollution prevention message on water bills.
Year 4: Place pollution prevention message on water bills.
Year 5: Place pollution prevention message on water bills.

Add a row

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A.2 Speaking Engagement

A.3 Public Service Announcement

Brief Description of BMP

Promote pollution prevention via cable channel by public service announcements.

Measurable Goals, including frequencies

Promote pollution prevention on their cable channel by public service announcements annually.

Milestones

Year 1:

Post advertisements on the cable channel prior to events.

Year 2: Post advertisements on the cable channel prior to events.

Year 3: Post advertisements on the cable channel prior to events.

Year 4: Post advertisements on the cable channel prior to events.

Year 5: Post advertisements on the cable channel prior to events.

Additional Info

BMP Number: _____

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- A.4 Community Event
- A.5 Classroom Education Material
- A.6 Other Public Education

Brief Description of BMP

Educate local citizen at public forums to discuss proposed public improvement projects.

Measurable Goals, including frequencies

Twice per year, estimated.

Milestones

Year 1: Each public meeting in Capital Improvements Program.

Year 2: Each public meeting in Capital Improvements Program.

Year 3: Each public meeting in Capital Improvements Program.

Year 4: Each public meeting in Capital Improvements Program.

Year 5: Each public meeting in Capital Improvements Program.

Additional Info

BMP Number: _____

Add a row

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B. Public Participation/Involvement

Approximate date first implemented: 2002 Frequency of each BMP program: Annual

Qualifying Local Programs

(B1) Kishwaukee River Ecosystem Partnership - The mission of this group is to integrate the interests and participation of local communities and private, public and corporate landowners to enhance and protect watersheds through ecosystem-based management.
(B1) Regional Storm Water Committee. City has two permanent seats on this committee.
(B6) The Boone County Soil & Water Conservation District (BCSWCD) and the Boone County Conservation District (BCCD) conduct several programs throughout the year educating and involving the public on pollution prevention and stormwater issues.

Measurable Goals (include shared responsibilities)

B.1 Public Panel

Brief Description of BMP

Representatives of the BCSWCD and BCCD have permanent seats on the Kishwaukee River Ecosystem Partnership Council.

Measurable Goals, including frequencies

90% attendance at meetings and Partnership functions annually.

Milestones

- Year 1: Attend meetings and Partnership functions.
- Year 2: Attend meetings and Partnership functions.
- Year 3: Attend meetings and Partnership functions.
- Year 4: Attend meetings and Partnership functions.
- Year 5: Attend meetings and Partnership functions.

Additional Info

BMP Number: B.1

City participation in the Regional Storm Water Management Committee for Boone County.
Measurable Goal(s), including frequencies: 90% attendance at meetings and technical committees.
Milestones: Year 1: Attend scheduled meetings.
Year 2: Attend scheduled meetings.
Year 3: Attend scheduled meetings.
Year 4: Attend scheduled meetings.
Year 5: Attend scheduled meetings.

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- B.2 Educational Volunteer
- B.3 Stakeholder Meeting
- B.4 Public Hearing
- B.5 Volunteer Monitoring
- B.6. Program Involvement

Brief Description of BMP

Annual events and programs conducted and sponsored by the BCSWCD and BCCD.

Measurable Goals, including frequencies

Annual events and programs, will monitor and obtain annual report from BCSWCD and BCCD.

Milestones

Year 1: Obtain annual reports.

Year 2: Obtain annual reports.

Year 3: Obtain annual reports.

Year 4: Obtain annual reports.

Year 5: Obtain annual reports.

Additional Info

BMP Number: _____

Add a row

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B.7 Other Public Involvement

C. Illicit Discharge Detection and Elimination

Approximate date first implemented: 2002 Frequency of each BMP program: Annual

Qualifying Local Programs

(C2) Boone County Health Department inspects, reviews, and permits septic systems within city watershed.
(C2) City Ordinance 114-601 prohibits discharging any polluting substances into any storm sewer in the city.

C.1 Sewer Map Preparation

Brief Description of BMP

Create digital map of storm sewer system.

Measurable Goals, including frequencies

Map complete system and integrate map into city-wide GIS database (approximately 50% complete to date).

Milestones

Year 1: Complete 10% of database.

Year 2: Complete 10% of database.

Year 3: Complete 10% of database.

Year 4: Complete 10% of database.

Year 5: Complete 10% of database.

Additional Info

Measurable Goals (include shared responsibilities)

BMP Number: _____

Add a row

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C.2 Regulatory Control Program

Brief Description of BMP

Local ordinance and programs to identify and eliminate illegal connections and illicit discharges.

Measurable Goals, including frequencies

Implement City storm sewer ordinance and Boone County Health Department program to review and administer permits for septic systems annually.

Milestones

Year 1: Implement City storm sewer ordinance and BCHD program.

Year 2: Implement City storm sewer ordinance and BCHD program.

Year 3: Implement City storm sewer ordinance and BCHD program.

Year 4: Implement City storm sewer ordinance and BCHD program.

Year 5: Implement City storm sewer ordinance and BCHD program.

Additional Info

BMP Number: C.2

Brief Description of BMP: Enforcement of Ordinance 114-601 which prohibits discharging any polluted substances into storm sewers.
Measurable Goal(s), including frequencies: Locate problem areas, identify sources using maps, enforce the ordinance and document.
Milestones: Year 1: Inspect 10% of all outfalls, report violations to City Attorney for enforcement.
Year 2: Inspect 10% of all outfalls, report violations to City Attorney for enforcement.
Year 3: Inspect 10% of all outfalls, report violations to City Attorney for enforcement.
Year 4: Inspect 10% of all outfalls, report violations to City Attorney for enforcement.
Year 5: Inspect 10% of all outfalls, report violations to City Attorney for enforcement.

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- C.3 Detection/Elimination Prioritization Plan
- C.4 Illicit Discharge Tracing Procedures
- C.5 Illicit Source Removal Procedures
- C.6 Program Evaluation and Assessment
- C.7 Visual Dry Weather Screening
- C.8 Pollutant Field Testing
- C.9 Public Notification
- C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

Approximate date first implemented: 2002 Frequency of each BMP program: Annual

Qualifying Local Programs

The BCSWCD program reviews all subdivision plans and does on-site inspections during construction.

Measurable Goals (include shared responsibilities)

D.1 Regulatory Control Program

Brief Description of BMP

Implementation of Ordinances 151.42 and 151.45 regulating storm water runoff and sediment and erosion control.

Measurable Goals, including frequencies

All new development and redevelopment projects within the City limits comply, annually.

Milestones

Year 1: BCSWCD annual report of activities submitted to the City.

Year 2: BCSWCD annual report of activities submitted to the City.

Year 3: BCSWCD annual report of activities submitted to the City.

Year 4: BCSWCD annual report of activities submitted to the City.

Year 5: BCSWCD annual report of activities submitted to the City.

Additional Info

BMP Number: _____

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D.2 Erosion and Sediment Control BMPs

Brief Description of BMP

Enforcement of Ordinances 151.42 and 151.45 regulating storm water runoff and sediment and erosion control.

Measurable Goals, including frequencies

All new development and redevelopment projects within the City limits comply with ordinances, annually.

Milestones

Year 1: BCSWCD annual report of activities submitted to the City.

Year 2: BCSWCD annual report of activities submitted to the City.

Year 3: BCSWCD annual report of activities submitted to the City.

Year 4: BCSWCD annual report of activities submitted to the City.

Year 5: BCSWCD annual report of activities submitted to the City.

Additional Info

BMP Number: _____

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D.3 Other Waste Control Program

Brief Description of BMP

Enforcement of Ordinances 151.42 and 151.45 regulating storm water runoff and sediment and erosion control.

Measurable Goals, including frequencies

All new development and redevelopment projects within the City limits comply with ordinances.

Milestones

Year 1:

BCSWCD annual report of activities submitted to the City.

Year 2:

BCSWCD annual report of activities submitted to the City.

Year 3:

BCSWCD annual report of activities submitted to the City.

Year 4:

BCSWCD annual report of activities submitted to the City.

Year 5:

BCSWCD annual report of activities submitted to the City.

Additional Info

BMP Number: _____

Add a row

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D.4 Site Plan Review Procedures

Brief Description of BMP

Enforcement of Ordinances 151.42 and 151.45 regulating storm water runoff and sediment and erosion control.

Measurable Goals, including frequencies

All new development and redevelopment projects within the City limits comply with ordinances.

Milestones

Year 1:

BCSWCD annual report of activities submitted to the City.

Year 2:

BCSWCD annual report of activities submitted to the City.

Year 3:

BCSWCD annual report of activities submitted to the City.

Year 4:

BCSWCD annual report of activities submitted to the City.

Year 5: BCSWCD annual report of activities submitted to the City.

Additional Info

BMP Number: _____

Add a row

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D.5 Public Information Handling Procedures

D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP

Enforcement of Ordinances 151.42 and 151.45 regulating storm water runoff and sediment and erosion control.

Measurable Goals, including frequencies

All new development and redevelopment projects within the city limits comply with ordinances annually.

Milestones

Year 1: BCSWCD annual report of activities submitted to the City.

Year 2: BCSWCD annual report of activities submitted to the City.

Year 3: BCSWCD annual report of activities submitted to the City.

Year 4: BCSWCD annual report of activities submitted to the City.

Year 5: BCSWCD annual report of activities submitted to the City.

Additional Info

BMP Number: _____

Add a row

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D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: 2002 Frequency of each BMP program: Annual

Qualifying Local Programs

(E1) The Boone County Comprehensive Plan promotes improved water quality by guiding growth of the community away from sensitive areas and by restricting certain types of growth to areas that can support it without compromising water quality.

E.1 Community Control Strategy

Brief Description of BMP

Comprehensive Land Use Plan promotes and emphasizes protecting sensitive areas and controls growth in these areas.

Measurable Goals (include shared responsibilities)

Measurable Goals, including frequencies

Review plan annually and update for new issues. 100% of new development to comply with the plan.

Milestones

Year 1: Monitor compliance at all Planning and Zoning Board meetings.

Year 2: Monitor compliance at all Planning and Zoning Board meetings.

Year 3: Monitor compliance at all Planning and Zoning Board meetings.

Year 4: Monitor compliance at all Planning and Zoning Board meetings.

Year 5: Monitor compliance at all Planning and Zoning Board meetings.

Additional Info

BMP Number: _____

[Empty text box for additional information]

Add a row

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E.2 Regulatory Control Program

Brief Description of BMP

City Ordinances 151.42 and 151.45 regulate the design of stormwater run-off facilities and encourage structural BMP's to maximize the water quality of storm water run-off from all new developments and redevelopments. Ordinance and plan review process control design of stormwater run-off facilities and encourages structural BMP's.

Measurable Goals, including frequencies

All new developments and redevelopments comply with ordinance annually.

Milestones

Year 1: All plans reviewed by BCSWCD and City.

Year 2: All plans reviewed by BCSWCD and City.

Year 3: All plans reviewed by BCSWCD and City.

Year 4: All plans reviewed by BCSWCD and City.

Year 5: All plans reviewed by BCSWCD and City.

Additional Info

BMP Number: _____

[Empty text box for additional information]

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E.3 Long Term O & M Procedures

E.4 Pre-Construction Review of BMP Designs

Brief Description of BMP

City Ordinances 151.42 and 151.45 regulate the design of stormwater run-off facilities and encourage structural BMP's to maximize the water quality of storm water run-off from all new developments and redevelopments. Ordinance and plan review process control design of stormwater run-off facilities and encourages structural BMP's.

Measurable Goals, including frequencies

All new developments and redevelopments comply with ordinance annually.

Milestones

Year 1: All plans reviewed by BCSWCD and City.

Year 2: All plans reviewed by BCSWCD and City.

Year 3: All plans reviewed by BCSWCD and City.

Year 4: All plans reviewed by BCSWCD and City.

Year 5: All plans reviewed by BCSWCD and City.

Additional Info

BMP Number: _____

Add a row

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E.5 Site Inspections During Construction

Brief Description of BMP

City and BCSWCD provide inspection during construction and follow-up inspections once the storm water structures are completed.

Measurable Goals, including frequencies

All construction sites inspected routinely and finished developments inspected annually.

Milestones

Year 1: Inspect all active detention ponds annually.

Year 2: Inspect all active detention ponds annually.

Year 3: Inspect all active detention ponds annually.

Year 4: Inspect all active detention ponds annually.

Year 5: Inspect all active detention ponds annually.

Additional Info

BMP Number: _____

Add a row

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E.6 Post-Construction Inspections

Brief Description of BMP

City and BCSWCD provide inspection during construction and follow-up inspections once the storm water structures are completed.

Measurable Goals, including frequencies

All construction sites inspected routinely and finished developments inspected annually.

Milestones

Year 1: Inspect all active detention ponds annually.

Year 2: Inspect all active detention ponds annually.

Year 3: Inspect all active detention ponds annually.

Year 4: Inspect all active detention ponds annually.

Year 5: Inspect all active detention ponds annually.

Additional Info

BMP Number: _____

Add a row

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E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Approximate date first implemented: 2002 Frequency of each BMP program: Annually

Qualifying Local Programs

(F2) Control dumping and run-off from snow storage site.
(F4) All fluids from vehicle maintenance for Public Works are collected and recycled.

F.1 Employee Training Program

Brief Description of BMP

Employee training to emphasize the importance of pollution prevention.

Measurable Goals, including frequencies

Train city employees annually on identifying illicit discharges and other pollution prevention measures.

Milestones

Year 1: Update training materials and perform annual training session.

Year 2: Update training materials and perform annual training session.

Year 3: Update training materials and perform annual training session.

Measurable Goals (include shared responsibilities)

Year 4: Update training materials and perform annual training session.

Year 5: Update training materials and perform annual training session.

Additional Info

BMP Number: _____

[Empty text box for additional information]

Add a row

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F.2 Inspection and Maintenance Program

Brief Description of BMP

Street sweeping and fall leaf pickup program.

Measurable Goals, including frequencies

Sweep 100% of streets twice per year. Perform annual fall leaf pickup program for 100% of corporate limits.

Milestones

Year 1: Track and report sweeper hours monthly and leaf pickup crew hours annually.

Year 2: Track and report sweeper hours monthly and leaf pickup crew hours annually.

Year 3: Track and report sweeper hours monthly and leaf pickup crew hours annually.

Year 4: Track and report sweeper hours monthly and leaf pickup crew hours annually.

Year 5: Track and report sweeper hours monthly and leaf pickup crew hours annually.

Additional Info

BMP Number: F.2

Brief Description of BMP: Control dumping and run-off from snow storage site.
Measurable Goal(s), including frequencies: No illicit discharges from snow disposal site.
Milestones: Year 1: Monitor run-off and retrain employees at annual snow meeting.
Year 2: Monitor run-off and retrain employees at annual snow meeting.
Year 3: Monitor run-off and retrain employees at annual snow meeting.
Year 4: Monitor run-off and retrain employees at annual snow meeting.
Year 5: Monitor run-off and retrain employees at annual snow meeting.

Add a row

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F.3 Municipal Operations Storm Water Control

F.4 Municipal Operations Waste Disposal

Brief Description of BMP

Waste fluids at public works departments in recycling program performed by contractor.

Measurable Goals, including frequencies

All waste fluids collected and recycled annually.

Milestones

- Year 1: Review existing recycling effectiveness and renew contract.
- Year 2: Review existing recycling effectiveness and renew contract.
- Year 3: Review existing recycling effectiveness and renew contract.
- Year 4: Review existing recycling effectiveness and renew contract.
- Year 5: Review existing recycling effectiveness and renew contract.

Additional Info

BMP Number: _____

Add a row

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F.5 Flood Management/Assess Guidelines

F.6 Other Municipal Operations Controls

Brief Description of BMP

Road salt is stored in a permanent structure to prevent contact with stormwater.

Measurable Goals, including frequencies

Road salt is stored in a permanent structure annually.

Milestones

- Year 1: Store road salt in permanent structure.
- Year 2: Store road salt in permanent structure.
- Year 3: Store road salt in permanent structure.
- Year 4: Store road salt in permanent structure.
- Year 5: Store road salt in permanent structure.

Additional Info

BMP Number: _____

Add a row

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BMPs Currently Implemented and Proposed

BMP Number	Location
See above BMPs	

Add a row

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Approximate Pollutant Reduction Resulting from each BMP

BMP Number	Pollutant	Reduction
Undetermined		

Add a row

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Instream Monitoring Program

Is there an instream monitoring program currently in place? Yes No

Is an instream monitoring program currently being proposed? Yes No

If Yes, which parameters are monitored and at what frequency?

Parameter	Frequency
TSS	Quarterly
Fecal Coliform	Quarterly
Total Phosphorus	Quarterly
Oil and Grease	Quarterly
Chlorides	Quarterly
Total Nitrogen	Quarterly

Add a row

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Sediment Monitoring

Is sediment monitoring currently taking place? Yes No

Sample Monitoring of Outfalls

Is sample monitoring of outfalls currently taking place? Yes No

Other Monitoring

Describe other types of monitoring implemented or proposed to evaluate the BMP effectiveness or water quality impact of stormwater.

Water quality sampling is performed upstream and downstream of the City's storm sewer system area. Sampling is performed quarterly. Data is available from the City for review.

Part III. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

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)).

Brent Anderson

Director of Public Works

Authorized Representative Name

Title



Authorized Representative Signature

Date

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.