



Illinois Environmental Protection Agency

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

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, 2019 To March, 2020

Permit No. ILR40 0619

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

Name: Village of Beecher Mailing Address 1: 625 Dixie Highway

Mailing Address 2: _____ County: Will

City: Beecher State: IL Zip: 60401 Telephone: 708-946-2261

Contact Person: Robert O. Barber Email Address: bobadm@villageofbeecher.org
(Person responsible for Annual Report)

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

Village of Beecher

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

- | | | | |
|----------------------------------------------|--------------------------|-------------------------------------------|--------------------------|
| 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

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:

Robert O. Barber

Printed Name:

5/29/2020

Date:

Village Administrator

Title:

EMAIL COMPLETED FORM TO:

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



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

2020 MS4 PROGRAM ANNUAL FACILITY INSPECTION REPORT

REPORTING PERIOD MARCH 2019 TO MARCH 2020

A. CHANGES TO BEST MANAGEMENT PRACTICES

The Village of Beecher committed to a number of stormwater BMPs in order to meet the requirements of the NPDES Phase II stormwater program. The Village has developed a Stormwater Management Plan and has posted it to the Water & Sewer System Reports section of the Village website, along with the program NOI, annual reports, and other program information.

During this reporting period, no changes were made to the Village's Best Management Practices.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The best management practices, along with measurable goals and milestones for the reporting year are provided below:

BMP No. A1 Newsletter Articles

Measurable Goal(s), including frequencies: Publish stormwater articles in the Village newsletter annually. These articles should address stormwater issues, as explained in the Village's original Notice of Intent.

Milestone: Continue annual publication of newsletter articles.

BMP Status: The Village published two education articles in its newsletter about stormwater pollution prevention. These are also on the Village website.

BMP No. A1 Village Website

Measureable Goal(s), including frequencies: Stormwater pollution prevention articles will be available at all times on the Village's website. These articles provide information to concerned citizens on how to help reduce pollutant loading in the area's receiving waters.

Milestone: Maintain stormwater pollution prevention articles on the Village's website.

BMP Status: There are over 20 different stormwater pollution prevention articles on the Village's website at <http://www.villageofbeecher.org/storm-water-management>

BMP No. B2 Trim Creek Clean-Up

Measurable Goal(s), including frequencies: Continue a fall clean-up of Trim Creek during the years of this program. Evaluate the effectiveness of the program.

Milestone: Continue to participate in the program.

BMP Status: In 2019, the Beecher Public Works Department participated in the fall clean-up for Trim Creek.

BMP No. B7 Public Reporting

Measurable Goal(s), including frequencies: Inform all residents of the existence of a contact number in the existing residential newsletter. Hold at least one public meeting at which stormwater pollution will be discussed.

Milestone: Publish contact number in resident newsletter.

BMP Status: The Village is using their general number, (708) 946-2261, for resident reporting. The contact number is published in Village newsletters, and is also listed on the Village's website. The Village introduced a smartphone app that can be used for resident reporting.

Environmental sustainability topics are addressed in the Village's 2040 plan. Environmental justice information was reviewed and updated.

BMP No. C1 Storm Sewer Atlas

Measurable Goal(s), including frequencies: Update storm sewer atlas as new developments are constructed in the Village.

Milestone: Update storm sewer atlas as needed.

BMP Status: The Village’s storm sewer atlas continues to be updated regularly as new developments are constructed in the Village.

BMP No. C2 Illicit Discharge Detection and Elimination Ordinance Amendment

Measurable Goal(s), including frequencies: Adopt and implement an ordinance amendment by January 1, 2008.

Milestone: Continue to enforce the Illicit Discharge Detection and Elimination Ordinance.

BMP Status: This ordinance was passed by the Village Board in November of 2006. It is now fully implemented. Stormwater runoff into Trim Creek is sampled twice a month near the wastewater treatment plant for ammonia, BOD, total suspended solids, and pH.

BMP No. C4 Illicit Discharge Tracing Procedures

Measurable Goal(s), including frequencies: Investigate all illicit discharges identified. Document Village efforts in tracing illicit discharges.

Milestone: Continue tracing program for all discharges identified.

BMP Status: No illicit discharges were identified during this reporting period.

BMP No. C5 Illicit Discharge Removal Procedures

Measurable Goal(s), including frequencies: Disconnect any illicit discharge source that can be identified through the tracing program.

Milestone: Full implementation of illicit discharge removal procedures.

BMP Status: No illicit discharges were identified during this reporting period.

BMP No. C7 Visual Dry Weather Screening Program

Measurable Goal(s), including frequencies: Annual screening of all outfalls. Screening of storm structures is performed over a four year cycle.

Milestones: Implement structure screening during routine maintenance and continue outfall screening.

BMP Status: All outfalls along Trim Creek within the Village were screened on March 18, 2018 and no illicit discharges were discovered.

BMP No. D1/D2/D3/D4/D6 Soil Erosion and Sediment Control Ordinance Amendments

Measurable Goal(s), including frequencies: Review site plans, inspect construction sites, and enforcement of control measures.

Milestone: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

BMP Status: The Village has a soil erosion and sediment control ordinance, which is followed during site plan review. All ordinance provisions are enforced in the field.

BMP No. E2/E3/E5/E6 Storm Water Drainage and Detention Ordinance

Measurable Goal(s), including frequencies: Inspect sites during and after construction. Enforce the Village of Beecher Subdivision Ordinance and the Will County Stormwater Management Ordinance.

Milestone: Continue to inspect sites during and after construction, following the Village of Beecher Subdivision Ordinance and the Will County Storm Water Management Ordinance.

BMP Status: The Village continues to inspect during and after construction.

BMP No. F1 Employee Training Program

Measurable Goal(s), including frequencies: Conduct annual training to educate staff on prevention and reduction of storm water pollution from municipal activities.

Milestone: Continue employee training program.

BMP Status: Public Works employees completed training on stormwater pollution prevention as part of “Toolbox Training”.

BMP No. F2 Inspection and Maintenance Program

Measurable Goal(s), including frequencies: Biennial review of program to determine effectiveness.

Milestone: Evaluate effectiveness of inspection and maintenance program.

BMP Status: All Village streets (42 miles) were swept during the reporting year. Cleaning and inspection was performed at 1,650 storm drain inlets and catch basins. Drainage structures were inspected, and repaired or replaced as needed. The effectiveness of the program was evaluated and it was determined that the program does not need to be updated.

BMP No. F3 Municipal Operations Stormwater Control

Measurable Goal(s), including frequencies: Biennial review of program to determine effectiveness.

Milestone: Evaluate effectiveness of Municipal Pollution Prevention Plan.

BMP Status: There were no changes to the program in the reporting year. The effectiveness of the program was evaluated and it was determined that the program does not need to be updated.

BMP No. F4 Municipal Operations Waste Disposal

Measurable Goal(s), including frequencies: Transport used vehicle oil to a local service station for recycling.

Milestone: Continue to recycle used vehicle oil.

BMP Status: Continued to recycle used vehicle oil at local service station. The Village participated with Will County’s hazardous material pick up day.

C. INFORMATION AND DATA COLLECTION RESULTS

Monitoring data was collected in Trim Creek near the wastewater treatment plant twice a month. Data for ammonia, BOD, total suspended solids, and pH is available at Village Hall.

D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES

A summary of the stormwater activities planned for the next reporting period is shown below:

BMP No. A1 Resident and Business Newsletter Articles – Storm Water Pollution Prevention

The Village of Beecher publishes a newsletter for its residents. Annual articles addressing the following issues will be incorporated into the newsletter in the future: the impacts of storm water discharges on water bodies, measures the public can take to reduce pollutants in storm water runoff, the impact of climate change on storm water pollution, and information directed to public employees, businesses, and the general public regarding hazards associated with illegal discharges and improper waste disposal.

Measurable Goal(s), including frequencies: Continue publishing storm water articles in Village newsletter annually or on website.

Milestone: Continue annual publication of newsletter articles.

BMP No. B2 Trim Creek Clean-Up

The Village of Beecher teams with the Trim Creek Drainage District to organize a stream clean-up along Trim Creek each year. Approximately one-half mile of stream is cleaned each year. The Village will continue the stream clean-up each year, using Public Works or Drainage District forces.

Measurable Goal(s), including frequencies: Continue a fall clean-up of Trim Creek during the years of this program.

Milestone: Continue to participate in the clean-up.

BMP No. B7 Public Reporting

At least once a year, the Village of Beecher will discuss stormwater pollution at a public meeting (for example, a Village Board meeting) and allow for public input. The Village will continue to provide a contact number at the Village that residents can call to report

storm water related issues, including ordinance violations, construction site soil/erosion control violations, maintenance issues, and illicit discharges.

Measurable Goal(s), including frequencies: Hold at least one public input meeting at which stormwater pollution will be discussed. Inform all residents of the contact number in the newsletter.

Milestone: Discuss stormwater pollution at a public input meeting. Continue to publish contact number in resident newsletter.

BMP No. B7 Other Public Involvement

The Village of Beecher will update its environmental justice area information as needed.

Measurable Goal(s), including frequencies: Identify any updates needed to environmental justice area information. If found, take appropriate actions, including engaging the residents in public involvement.

Milestone: Determine if updates to environmental justice area information is necessary.

BMP No. C1 Storm Sewer Atlas

The Village of Beecher has a digital storm sewer atlas that includes all existing outfalls, receiving waters, and storm sewer pipes. The atlas is updated as new developments are added to the Village. The Village will continue to update their storm sewer atlas as new developments are constructed in the Village.

Measurable Goal(s), including frequencies: Update storm sewer atlas as new developments are constructed in the Village.

Milestone: Update storm sewer atlas as needed.

BMP No. C2 Illicit Discharge Detection and Elimination Ordinance Amendment

The existing Subdivision Ordinance No. 789 was amended by the Village Board in November of 2006. In addition, the Village adopted the Will County Stormwater Management Ordinance to prohibit non-storm water discharges into the Village's storm sewer system. The Ordinance includes enforcement and penalties for ordinance violations.

Measurable Goal(s), including frequencies: Implementation of the Ordinance Amendment.

Milestone: Full implementation of the Illicit Discharge Detection and Elimination Ordinance Amendment.

BMP No. C4 Illicit Discharge Tracing Procedures

In Year 2 the Village developed procedures for tracing illicit discharges identified through a dry-weather screening program, regular storm sewer maintenance, and from public reporting. In Year 4 the Village began implementing the tracing program for all discharges identified. Efforts to locate illicit discharges will be documented.

Measurable Goal(s), including frequencies: Investigate all illicit discharges identified. Document Village efforts in tracing illicit discharges.

Milestone: Continue tracing program for all discharges identified.

BMP No. C5 Illicit Discharge Removal Procedures

In Year 4 the Village of Beecher developed procedures for removing illicit discharges identified through the illicit discharge tracing program. In Year 5 the Village began full implementation of illicit discharge removal procedures. The Village will continue to implement illicit discharge removal procedures.

Measurable Goal(s), including frequencies: Disconnect any illicit discharge source that can be identified through the tracing program.

Milestone: Full implementation of illicit discharge removal procedures.

BMP No. C7 Visual Dry Weather Screening Program

In Year 3 the Village developed a program to conduct annual dry weather screening of all outfalls to receiving waters to identify any illicit discharges. All the storm water outfalls along Trim Creek have been identified. Also, screening will be conducted for storm sewer structures over a four year cycle.

Measurable Goal(s), including frequencies: Annual screening of all outfalls. Screening of storm structures is performed over a four year cycle.

Milestone: Implement structure screening during routine maintenance and continue outfall screening.

BMP No. D1/D2/D3/D4/D6 Soil Erosion and Sediment Control Ordinance Amendments

Construction site erosion and sediment control is currently addressed by Article 6, Section 2.2 of the Village of Beecher Subdivision Ordinance No. 789 and Development Standards, and by Article 3 of the Will County Stormwater Management Ordinance, which was recently adopted by the Village. Article 3 of the Will County Stormwater Management Ordinance addresses the reduction of pollutants in storm water runoff from any land disturbing activity. It includes provisions that require: an erosion and sediment control

plan, site inspection and enforcement of control measures, and sanctions to ensure compliance. Beecher's subdivision Ordinance requires the control of wastes at construction sites that could cause adverse impacts to water quality, and requires that all regulated construction sites have a storm water pollution prevention plan that meets or exceeds the requirement of Part IV of NPDES permit No. ILR10, including management practices, controls, and other provisions at least as protective as the requirement contained in the Illinois Urban Manual, 2017.

The Village of Beecher currently considers water quality in its site plan review procedures and site inspection and enforcement of control measures.

Measurable Goal(s), including frequencies: Review site plans, inspect construction sites, and enforcement of control measures.

Milestone: Continue procedures for site plan review and site inspection and enforcement of control measures.

BMP No. E2/E3/E5/E6 Stormwater Drainage and Detention Ordinance Amendments

Post-construction storm water management for new development and redevelopment projects is currently addressed by Articles 7 and 8 of the Village of Beecher Subdivision Ordinance No. 789 and Development Standards, and Articles 2 and 6 of the adopted Will County Storm Water Management Ordinance. Articles 2 and 6 of the Will County Storm Water Management Ordinance address volume and quality control for storm water runoff from finished development projects that have disturbed from one acres to five acres and greater in size. It includes provisions that require: controls to prevent or minimize water quality impacts, implementation of structural and non-structural BMP's, provisions to ensure long-term operation and maintenance of BMP's, site inspections during construction, and post-construction inspections. Beecher's Subdivision Ordinance requires all construction sites disturbing a land area of one acre or greater, including projects less than one acre that are part of a larger common plan of development or sale, and that discharge to the Village's storm sewer system, be regulated. Beecher's ordinance also requires that all regulated construction sites have post-construction management that meets or exceeds the requirements of Section IV (D)(2)(b) of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2017.

Measurable Goal(s), including frequencies: Inspect sites during and after construction. Enforce the Village of Beecher Subdivision Ordinance and the Will County Stormwater Management Ordinance.

Milestone: Continue to inspect sites during and after construction and enforce the Ordinances.

BMP No. F1 Employee Training Program

The Village currently conducts employee training for municipal operations and safety. A formal training program to educate staff on prevention and reduction of storm water pollution from municipal activities has been incorporated into the Village's existing training program. This program addresses activities such as park and open space maintenance, fleet and building maintenance, operation of storage yards, snow disposal, new construction and land disturbances, storm water system maintenance procedures for proper disposal of street cleaning debris and catch basin materials, and addresses ways that flood management projects impact water quality, nonpoint source pollution control, and aquatic habitats. This program also addresses the hazards associated with illegal discharges and improper disposal of waste.

Measurable Goal(s), including frequencies: Conduct annual employee training to educate staff on prevention and reduction of storm water pollution from municipal activities.

Milestone: Continue employee training program.

BMP No. F2 Inspection and Maintenance Program

The Village of Beecher conducts a regular inspection and maintenance program to reduce pollutant runoff from municipal operations, and evaluates its effectiveness biennially. The program was evaluated in the previous reporting period, and modified based on that evaluation. The updated program includes: the sweeping of all Village streets each year, jetting storm sewers as needed and cleaning the associated catch basins, inspecting and cleaning catch basins after large storms, regrading ditches approximately every 10 years, and mowing and maintaining three dry bottom detention ponds. This maintenance program will continue to be evaluated on a biennial basis to determine its effectiveness.

Measurable Goal(s), including frequencies: Annual review of program to determine effectiveness.

Milestone: The effectiveness of this program will be evaluated.

BMP No. F3 Municipal Pollution Prevention Program

The Village of Beecher has policies designed to prevent storm water pollution associated with municipal operations. Road salt is stored a salt dome for long-term storage. During the winter season, salt is also temporarily stored in a building with three permanent walls; the fourth side is covered by a tarp when the salt is not being loaded or unloaded. This building rests on an asphalt pad and the surrounding area is diked to prevent salt from running off the site. Flammable and hazardous chemicals are stored in fireproof metal cabinets. Chlorine gas used to disinfect drinking water is stored per Title 3 chemical safety standards.

In Year 2 the existing policies described above were incorporated into a formal Municipal Pollution Prevention Program. This program will be evaluated on a biennial basis to determine its effectiveness and modified as necessary.

Measurable Goal(s), including frequencies: Annual review of program to determine effectiveness.

Milestone: The effectiveness of this program will be evaluated.

BMP No. F4 Municipal Operations Waste Disposal

The Village of Beecher currently transports used vehicle oil to a local service station for recycling.

Measurable Goal(s), including frequencies: Transport used vehicle oil to a local service station for recycling.

Milestone: Continue to recycle used vehicle oil.

E. NOTICE OF RELIANCE ON ANOTHER GOVERNMENT ENTITY

The Village is not relying on any other government entity to satisfy permit obligations.

F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD

Construction activities took place at the Village wastewater treatment plant.