

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

MARCH 2009 TO MARCH 2010 (YEAR 7) REPORTING PERIOD

VILLAGE OF BEECHER, ILLINOIS

A. CHANGES TO BEST MANAGEMENT PRACTICES

Because of scheduling constraints, the municipal employee training was held on April 7, 2010, instead of during the March 2009 – March 2010 reporting year as previously planned.

Under BMP A1, a new item – Village Website – was added to indicate the stormwater pollution prevention articles published on the Village's website.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The best management practices, along with measurable goals and milestones for Year 7 of this program (March 2009 – March 2010) are listed below:

BMP No. A1 Newsletter Articles

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

Milestones, Year 7: Continue semi-annual publication of newsletter articles.

BMP Status: The Village published one article related to stormwater public education in their Village Newsletter during Year 7. The article was published in the Spring 2009 Newsletter and addressed steps the public could take to maintain healthy waters and lawns.

BMP No. A1 Village Website

Measurable 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, Year 7: Maintain stormwater pollution prevention articles on the Village's website.

BMP Status: The stormwater pollution prevention articles are on the Village's website at <http://www.villageofbeecher.org/StormwaterManagement.htm>

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.

Milestones, Year 7: Continue to participate in the program.

BMP Status: During this permit year, the Trim Creek Drainage District and the Beecher Public Works Department picked up litter in the creek from Miller Street to Indiana Avenue.

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.

Milestones, Year 7: Publish contact number in resident newsletter.

BMP Status: The Village is using their general number, (708) 946-2261, for resident reporting. The contact number was published in the Spring 2009 Village Newsletter.

BMP No. C1 Storm Sewer Atlas

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

Milestones, Year 7: 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.

Milestones, Year 7: Full implementation of Illicit Discharge Detection and Elimination Ordinance Amendment.

BMP Status: This ordinance was passed by the Village Board in November of 2006. It is currently being fully implemented.

BMP No. C4 Illicit Discharge Tracing Procedures

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

Milestones, Year 7: Continue tracing program for all discharges identified.

BMP Status: No probable illicit discharges were identified during this permit year.

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.

Milestones, Year 7: Full implementation of illicit discharge removal procedures.

BMP Status: Illicit Discharge removal procedures are generally those procedures in the Center for Watershed Protection's "Illicit Discharge Detection and Elimination" manual. General removal procedures are also outlined in the Village's Ordinances, Chapter 12 – Storm Sewers; Illicit Discharges and Connections. There were no illicit discharges found during Year 7.

BMP No. C7 Visual Dry Weather Screening Program

Measurable Goal(s), including frequencies: Annual screening of all outfalls. Screening of storm sewer structures including manholes, catch basins, and inlets during routine maintenance.

Milestones, Year 7: Continue outfall screening and implement structure screening during routine maintenance.

BMP Status: All outfalls along the waterways in the Village were screened in August 2009. 57 outfall structures were identified entering the west branch of Trim Creek and no probable illicit discharges were discovered.

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

Measurable Goal(s), including frequencies: Implement site plan review, inspection, and enforcement of control measures.

Milestones, Year 7: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

BMP Status: The Village currently has a strong soil erosion and sediment control ordinance. The ordinance is followed during site plan review. The Village is working to make sure all ordinance provisions are inspected and enforced in the field. The provisions in the ordinance, when enforced, constitute a strong set of procedures for site plan review, site inspection, and enforcement of control measures.

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.

Milestones, Year 7: 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, following the Village's and County's ordinances.

BMP No. F1 Employee Training Program

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

Milestones, Year 7: Continue employee training program.

BMP Status: This year the Village conducted training using the "Storm Watch" pollution prevention and good housekeeping video on April 7, 2010. The follow-up test associated with the video was taken by all 8 attendees.

BMP No. F2 Storm Sewer System Inspection and Maintenance Program

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

Milestones, Year 7: Evaluate effectiveness of inspection and maintenance program.

BMP Status: The Village evaluated their program this year, and there were no changes.

BMP No. F3 Municipal Operations Stormwater Control

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

Milestones, Year 7: Evaluate effectiveness of Municipal Pollution Prevention Plan.

BMP Status: The Village evaluated their program this year and there were no changes. The Municipal Pollution Prevention Plan is:

“The Village of Beecher currently has many operational policies designed to prevent storm water pollution associated with municipal operations. Road salt is stored in bulk in a fully enclosed salt dome with a cement base. Only one or two truckloads are stored in a building covered on three sides by permanent walls. The fourth side of this building is covered by a tarp when the road salt is not being loaded or unloaded. This salt storage 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 and other chemicals used to disinfect drinking water are stored in the Village’s wellhouses per Title 3 chemical safety standards.”

BMP No. F4 Municipal Operations Waste Disposal

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

Milestones, Year 7: Continue to recycle used vehicle oil.

BMP Status: Continued to recycle used vehicle oil at local service station.

C. INFORMATION AND DATA COLLECTION RESULTS

As a condition of the Village's NPDES WWTP Permit, they collect samples in Trim Creek downstream of the WWTP outlet. They monitor for temperature and pH.

D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES (YEAR 8 – March 2010 to March 2011)

A summary of the stormwater activities that are planned to be undertaken during the next reporting cycle, Year 8 (March 2010 to March 2011), 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. Semi-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, 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: Publish storm water articles in Village newsletter semi-annually.

Milestones, Year 8: Continue semi-annual publication of newsletter articles.

BMP No. B2 Trim Creek Clean-Up

The Village of Beecher and the Beecher School District Agriculture Department sponsor a stream clean-up along Trim Creek during the fall of each year. Approximately one-half mile of stream is cleaned each year. The Village will continue to participate in the stream clean-up each year, and will advertise the clean-up to the community.

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

Milestones, Year 8: Continue to organize the clean-up.

BMP No. B7 Public Reporting

The Village of Beecher will 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. The Village will develop and implement procedures for consideration of this information. This BMP will comply with all applicable State and local public notice requirements.

Measurable Goal(s), including frequencies: Inform all residents of the existence of a contact number in the existing residential newsletter.

Milestones, Year 8: Publish contact number in resident newsletter.

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.

Milestones, Year 8: 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.

Milestones, Year 8: 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.

Milestones, Year 8: 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.

Milestones, Year 8: 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 with approximately 95% of structures screened over a four year cycle.

Measurable Goal(s), including frequencies: Annual screening of all outfalls. Screening of 95% of storm structures over a four year cycle.

Milestones, Year 8: 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, 2002.

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.

Milestones, Year 8: 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, 2002.

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.

Milestones, Year 8: 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.

Milestones, Year 8: Continue employee training program.

BMP No. F2 Inspection and Maintenance Program

The Village of Beecher currently conducts a regular inspection and maintenance program designed to reduce pollutant runoff from municipal operations. This program includes: the sweeping of all Village streets at least twice per year, jetting storm sewers as needed, cleaning catch basins on approximately a seven year cycle, inspecting catch basins after large storms, regrading ditches as needed approximately every 10 years, and mowing and maintaining three dry bottom detention ponds. In Year 3, the Village began a program to clean storm sewers and vactor catch basins in one-quarter of the Village each year for the next four years. This maintenance program will be formalized and evaluated on a biennial basis to determine its effectiveness.

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

Milestones, Year 8: Evaluate effectiveness of inspection and maintenance program.

BMP No. F3 Municipal Pollution Prevention Program

The Village of Beecher currently has many operational policies designed to prevent storm water pollution associated with municipal operations. Road salt is stored in a building covered on three sides by permanent walls. The fourth side of the building is covered by a tarp when the road salt is not being loaded or unloaded. The salt storage 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: Biennial review of program to determine effectiveness.

Milestones, Year 8: Evaluate effectiveness of Municipal Pollution Prevention Plan.

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.

Milestones, Year 8: Continue to recycle used vehicle oil.

E. NOTICE OF QUALIFYING LOCAL PROGRAM

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

F. CONSTRUCTION PROJECTS CONDUCTED DURING REPORTING PERIOD

For the period from March 2009 to March 2010 (Year 7 of the program), the Village paid for the following construction projects:

- Public Works Facility

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