



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, 2015 To March, 2016

Permit No. ILR40 0617

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

Name: Vermilion County Mailing Address 1: 2732 Batestown Road
Mailing Address 2: _____ County: Vermilion
City: Oakwood State: IL Zip: 61858 Telephone: (217)431-6682
Contact Person: Douglas R. Staske Email Address: dstaske@comcast.net
(Person responsible for Annual Report)

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

Vermilion County

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))

Douglas Staske
Owner Signature:

Douglas Staske

Printed Name:

February 24, 2017
Date:

County Engineer

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

IL 532 2585
WPC 691 Rev 6/10
This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
April 2015 – March 2016, Year 5
NPDES PERMIT FOR STORM WATER DISCHARGES FROM
MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
Vermilion County, Illinois

A. CHANGES TO BEST MANAGEMENT PRACTICES (BMPs)

Vermilion County was issued a permit on February 20, 2009 which expired on March 31, 2014. EPA did not issue new permits at this time, therefore the County operated under the same permit through March 2016. This annual report serves as an evaluation of the Year 5 goals for this permit cycle.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The following is a list of the BMPs and measurable goals as submitted in the Notice of Intent for the current permit cycle, which ended on March 31, 2016, and information about the County's compliance with these goals.

1. PUBLIC EDUCATION AND OUTREACH

a. BMP No. A.1 – Distributed Paper Material

Goal: Distribute educational pamphlets to County Facilities to be available for public information outreach. Make information available at Health Department booth of annual Home Show event.

Milestones:

Year 1: Distribute brochures to local agencies and public buildings.

Year 2: Evaluate existing outreach methods. Continue outreach material distribution.

Year 3: Evaluate existing outreach methods. Continue outreach material distribution.

Year 4: Evaluate existing outreach methods. Continue outreach material distribution.

Year 5: Evaluate existing outreach methods. Continue outreach material distribution.

Results: Pamphlets were reprinted as needed and were made available to the public at the Vermilion County Highway Department facility and the Vermilion County Health Department but have not been displayed at the annual home show.

b. BMP No. A.6 – Other Public Education

Goal: Include a link on County Website to City of Danville Storm Water Education Website.

Milestones:

- Year 1: Update existing and add additional links to storm water/pollution prevention websites.
- Year 2: Update existing and add additional links to storm water/pollution prevention websites.
- Year 3: Update existing and add additional links to storm water/pollution prevention websites.
- Year 4: Update existing and add additional links to storm water/pollution prevention websites.
- Year 5: Update existing and add additional links to storm water/pollution prevention websites.

Results: The county is currently working on creating links on the County Website for a stormwater page which will include stormwater runoff, educational materials, and the County's NOI. The page will be active by March 31, 2017.

2. PUBLIC PARTICIPATION/INVOLVEMENT

~~a. BMP No. B.6 – Program Coordination~~

~~**Goal:** Assist other local agencies within the county where information can be obtained for storm water pollution prevention best management practices.~~

~~**Milestones:**~~

- ~~Year 1: Update information of database and contacts for BMPs.~~
- ~~Year 2: Update information of database and contacts for BMPs.~~
- ~~Year 3: Update information of database and contacts for BMPs.~~
- ~~Year 4: Update information of database and contacts for BMPs.~~
- ~~Year 5: Update information of database and contacts for BMPs.~~

~~**Results:** No longer a chosen BMP and was eliminated as a goal in Year 4.~~

b. BMP No. B.7 – Other Public Involvement

Goal: Cooperate with Keep Vermilion County beautiful to support roadside cleanups and adopt a highway programs.

Milestones:

- Year 1:
- Year 2:
- Year 3:
- Year 4:
- Year 5: Obtain program information from Keep Vermilion County Beautiful so that inquiries regarding roadside cleanup programs lead to public

participation. Provide support by means of staff or equipment as available to assist with the programs. Create an agreement with Keep Vermilion County Beautiful to support the Adopt-a-Spot program.

Results: The County supplies reflective vests and trash bags to assist with cleanups, they also collect and transport the collected trash to a collection point.

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

a. BMP No. C.1 – Storm Sewer Map Preparation

Goal: Vermilion County, along with Danville Township, will expand their data collection activities in cataloging storm sewer outfalls in urbanized areas.

Milestones:

- Year 1: Continue to collect and update sewer outfall locations.
- Year 2: Continue to collect and update sewer outfall locations.
- Year 3: Continue to collect and update sewer outfall locations.
- Year 4: Continue to collect and update sewer outfall locations.
- Year 5: Continue to collect and update sewer outfall locations.

Results: The County continues to map and collect data as a part of the annual bridge inspection program.

b. BMP No. C.2 – Regulatory Control Program

Goal: Vermilion County will develop an ordinance to regulate non-stormwater discharges to the stormwater conveyance system. The new regulation will prohibit non-stormwater discharges and dumping, have clear enforcement measures and authority, allow right of entry for inspection and elimination of suspected discharges, list specific non-stormwater discharges as per USEPA and IEPA regulations, and prohibit cross-connections of potentially hazardous pollutants to storm drains.

Milestones:

- Year 1: Review current regulations and model ordinances.
- Year 2: Review similar ordinances of similar sized counties within the state.
- Year 3: Develop draft language for ordinance.
- Year 4: Work with County agencies to draft final ordinance.
- Year 5: Formally adopt ordinance.

Results: The Vermilion County Health Department regulates and investigates any illicit discharges. Fees are charged for violations that are not corrected in a timely manner.

c. BMP No. C.3 and C.7 – Detection/Elimination Prioritization Plan and Visual Dry Weather Screening

Goal: Visual inspection of storm sewer outfalls will continue to be done as part of the mapping process outlined in BMP C.1. Sites will be checked for the presence of illegal dumping sites.

Milestones:

Year 1: Develop prioritization of future screening activities.

Year 2: Continue to inspect/monitor & map storm sewer outfall locations.

Year 3: Continue to inspect/monitor & map storm sewer outfall locations.

Year 4: Continue to inspect/monitor & map storm sewer outfall locations.

Year 5: Continue to inspect/monitor & map storm sewer outfall locations.

Results: Some outfalls have been observed during bridge inspections if outfalls are present within the inspection area. Suspected illicit discharges are reported to the Vermilion County Health Department for investigation.

d. BMP No. C. 9 and C.10 – Public Notification & Other Illicit Discharge Controls

Goal: Provide public notification and information on illicit discharges and changes to County Ordinances. Train appropriate County Employees on the detection and elimination of illicit discharges.

Milestones:

Year 1: Make information flyer available through County offices and buildings.

Year 2: Communicate with other municipalities and agencies availability of information flyers for their use.

Year 3: Train appropriate County employees on illicit discharge detection and elimination.

Year 4: Continue outreach to outside municipalities and agencies on flyer availability.

Year 5: Train new employees on illicit discharge detection and elimination.

Results: The county engineering and technical staff are trained by the Illinois Department of Transportation (IDOT) annually. The mowing crews are also trained to look for wet areas while mowing.

4. CONSTRUCTION SITE RUNOFF CONTROL

a. BMP No. D.1 – Regulatory Control Program

Goal: Establish a program/standards for Storm Water Pollution Prevention Plans (SWPPP) to be incorporated into construction plans.

Milestones:

- Year 1: Establish in-house standards for SWPPP to incorporate into construction plans developed in house.
- Year 2: Work with consultants to extend the in-house SWPPP standards to be uniform on all consultant developed plans.
- Year 3: Review/refine and further develop SWPPP standards.
- Year 4: Review/refine and further develop SWPPP standards.
- Year 5: Review/refine and further develop SWPPP standards.

Results: Vermilion County is utilizing IDOT's SWPPP form and highway standards as its standards for construction projects.

b. BMP No. D.2 – Erosion and Sediment Control BMPs

Goal: Discuss Erosion and Sediment Control (E&SC) BMPs according to the SWPPP in the construction plans.

Milestones:

- Year 1: Incorporate discussion of E&SC as per the SWPPP in the construction plans at all future pre-construction meetings. Add to preconstruction agenda the receipt of the signed copy of Contractors Certification of Compliance for SWPPP.
- Year 2: Incorporate discussion of E&SC as per the SWPPP in the construction plans at all future pre-construction meetings. Add to preconstruction agenda the receipt of the signed copy of Contractors Certification of Compliance for SWPPP.
- Year 3: Incorporate discussion of E&SC as per the SWPPP in the construction plans at all future pre-construction meetings. Add to preconstruction agenda the receipt of the signed copy of Contractors Certification of Compliance for SWPPP.
- Year 4: Inspect Incorporate discussion of E&SC as per the SWPPP in the construction plans at all future pre-construction meetings. Add to preconstruction agenda the receipt of the signed copy of Contractors Certification of Compliance for SWPPP.
- Year 5: Incorporate discussion of E&SC as per the SWPPP in the construction plans at all future pre-construction meetings. Add to preconstruction agenda the receipt of the signed copy of Contractors Certification of Compliance for SWPPP.

Results: SWPPPs are presented and discussed at all preconstruction meetings. If a SWPPP is not needed for a job due to a minimal area of disturbance, erosion control procedures/requirements are still discussed at the preconstruction meeting. The contractor is required to sign the certification form.

c. BMP No. D.4 – Site Plan Review Procedures

Goal: While Vermilion County Highway Dept. currently has procedures for construction site plan review, the County’s review process will be examined to determine its effectiveness as pertains to the stated BMPs.

Milestones:

Year 1: Develop site plan review guidelines with regards to erosion/sediment control.

Year 2: Utilize site plan review procedure. Modify as needed.

Year 3: Utilize site plan review procedure. Modify as needed.

Year 4: Utilize site plan review procedure. Modify as needed.

Year 5: Utilize site plan review procedure. Modify as needed.

Results: Site plans within Vermilion County are reviewed by the County Engineer, who is also the primary contact for the NPDES program and is aware of appropriate BMPs.

d. BMP No. D.5 – Public Information Handling Procedures

Goal: Quickly responding to all information reported by the public about erosion/sediment problems.

Milestones:

Year 1: Develop call tracking system to effectively respond to input from general public or other agencies regarding construction site issues.

Year 2: Perform site inspection upon report.

Year 3: Perform site inspection upon report.

Year 4: Perform site inspection upon report.

Year 5: Perform site inspection upon report.

Results: To date, no public complaints have been received by the County. The handling procedures are as follows: Public reports of erosion/sediment issues are forwarded to the County Engineer, who investigates the reported issue or forwards it to the appropriate township commissioner. Illicit discharge issues are forwarded to the Vermilion County Health Department. The Vermilion County Health Department creates a file for each issue.

e. BMP No. D.6 – Site Inspection/Enforcement Procedures

Goal: Coordinate with Construction Inspectors to inspect construction site according to the construction plans and require contractor to comply with SWPPP.

Milestones:

Year 1: Continue to develop awareness among inspectors and contractors regarding BMP's.

Year 2: Continue to develop awareness among inspectors and contractors regarding BMP's.

Year 3: Continue to develop awareness among inspectors and contractors regarding BMP's.

Year 4: Continue to develop awareness among inspectors and contractors regarding BMP's.

Year 5: Continue to develop awareness among inspectors and contractors regarding BMP's.

Results: Construction inspection staff discusses BMPs with contractors during pre-construction meetings. The inspectors complete Erosion Control Inspection Reports at a minimum of one time per week per project, with additional inspections/reports being completed for every day that a 0.5" rainfall occurs. A copy of each report is given to the contractor informing him of deficiencies.

5. POST-CONSTRUCTION RUNOFF CONTROL

a. BMP No. E.2 – Regulatory Control Program

Goal: A Stormwater Management Ordinance is currently being reviewed to cover all Phase II stormwater quantity and quality requirements. The ordinance will address quantity of stormwater runoff from a developed site as compared to pre-development conditions, and will include regulations pertaining to post-construction controls for stormwater quantity and quality on new sites.

Milestones:

Year 1: Review current regulations and model ordinances.

Year 2: Review similar ordinances of similar sized counties within the state.

Year 3: Develop draft language for ordinance.

Year 4: Work through County agencies to draft final ordinance.

Year 5: Formally adopt ordinance.

Results: C2 Engineers, LLP has reviewed the ordinance, but no formal ordinance has been adopted. State law requires engineers to design projects so that no detrimental impacts shall be made to property owners downstream of project.

b. BMP No. E.4 – Pre-Construction Review of BMP Designs

Goal: As part of plan development procedure, ensure conformance with developed standards guiding erosion & sediment control BMPs.

Milestones:

- Year 1: Develop guidelines for site plan review of erosion/sediment control BMPs.
- Year 2: Utilize site plan review procedure and guidelines.
- Year 3: Utilize site plan review procedure and guidelines.
- Year 4: Utilize site plan review procedure and guidelines.
- Year 5: Utilize site plan review procedure and guidelines.

Results: Site plans within Vermilion County are reviewed by the County Engineer, who is also the primary contact for the NPDES program and is knowledgeable about sediment and erosion control BMPs. IDOT SWPP guidelines and standards are used.

6. POLLUTION PREVENTION/GOOD HOUSEKEEPING

a. BMP No. F.1 – Employee Training Program

Goal: Train every new employee about storm water quality issues. Provide brief training update to all employees on an annual basis.

Milestones:

- Year 1: Begin new employee storm water training upon hiring. Provide storm water update to existing employees.
- Year 2: Begin new employee storm water training upon hiring. Provide storm water update to existing employees.
- Year 3: Begin new employee storm water training upon hiring. Provide storm water update to existing employees.
- Year 4: Begin new employee storm water training upon hiring. Provide storm water update to existing employees.
- Year 5: Begin new employee storm water training upon hiring. Provide storm water update to existing employees.

Results: Employee training is done in the field through pairing new hires with experienced personnel that know the county's standard operating procedures. The staff is informed as regulations change.

b. BMP No. F.2 – Inspection and Maintenance Program

Goal: Practice proper Salt Storage Methods. Review/Practice proper maintenance of oil/water separator system.

Milestones:

- Year 1: Review with maintenance staff proper salt storage methods and proper maintenance of oil/water separator system for maintenance garage.
- Year 2: Review with maintenance staff proper salt storage methods and proper maintenance of oil/water separator system for maintenance garage.
- Year 3: Review with maintenance staff proper salt storage methods and proper maintenance of oil/water separator system for maintenance garage.
- Year 4: Review with maintenance staff proper salt storage methods and proper maintenance of oil/water separator system for maintenance garage.
- Year 5: Review with maintenance staff proper salt storage methods and proper maintenance of oil/water separator system for maintenance garage.

Results: County staff has been properly trained on salt storage and handling methods. Upon hire, new employees are trained on standard operating procedures. In 2014 the County installed a larger oil/water separator for better performance and a new covered structure was constructed for salt storage at the highway department.

c. BMP No. F.3 – Municipal Operations Storm Water Control

Goal: Documentation of municipal storm water infrastructure & BMPs as maintenance is being performed.

Milestones:

- Year 1: Document maintenance performed.
- Year 2: Document maintenance performed.
- Year 3: Document maintenance performed.
- Year 4: Document maintenance performed.
- Year 5: Document maintenance performed.

Results: The majority of county municipal storm sewers are located within the Villages of Sidell, Muncie, Henning, and Alvin. Storm sewer televising and cleaning is performed prior to the start of construction projects. Sidel, Muncie and Henning had their storm sewer systems reconstructed in recent years.

d. BMP No. F.4.1 – Municipal Operations Waste Disposal

Goal: Ditch Debris Cleanup Program. Vermilion County has an ongoing ditch cleaning program in which debris is removed from open drainage ditches and channels. In addition, the “Keep Vermilion County Beautiful” program supports the proper disposal and/or recycling of materials removed from drainage channels.

Milestones:

- Year 1: Continue ditch cleaning program.
- Year 2: Continue ditch cleaning program.

Year 3: Continue ditch cleaning program.
Year 4: Continue ditch cleaning program.
Year 5: Continue ditch cleaning program.

Results: Vermilion County removes sediment and debris from ditches within its jurisdiction to prevent erosion and keep waste from being washed downstream on an annual basis during the dry summer months.

e. BMP No. F.4.2 – Identification of Areas with Debris

Goal: Vermilion County has an ongoing bridge inspection program. During these inspections, when debris is noticed these locations will be documented and the proper department staff informed. This will be done in conjunction with BMP D.6 *Site Inspections*, which will catalog areas of erosion around the bridges during bridge inspection.

Milestones:

Year 1: Implement cataloging debris locations and informing staff for cleanup.
Year 2: Implement cataloging debris locations and informing staff for cleanup.
Year 3: Implement cataloging debris locations and informing staff for cleanup.
Year 4: Implement cataloging debris locations and informing staff for cleanup.
Year 5: Implement cataloging debris locations and informing staff for cleanup.

Results: Locations where cleanup is needed are reported to county maintenance staff and are cleaned up. Locations where dumping frequently occurs are checked and cleaned up on a regular basis. The maintenance foreman documents and catalogs these locations as a part of the work order process.

f. BMP No. F.6.1 – Other Municipal Operations Controls

Goal: Update spill prevention control and countermeasures plan. The County has a plan which sets guidelines for preventing spills at the County Highway Department facility as well as how to respond to a spill. The County will update this plan to make it relevant to new NPDES guidelines.

Milestones:

Year 1: Update spill prevention control and countermeasure plan.
Year 2: Review/Update spill prevention control countermeasure plan.
Year 3: Review/Update spill prevention control countermeasure plan.
Year 4: Review/Update spill prevention control countermeasure plan.
Year 5: Review/Update spill prevention control countermeasure plan.

Results: A spill prevention control and countermeasure plan has been reviewed by county staff but has not been updated. An inspection checklist with corrective actions outlined for spills will be included as a part of the inspection and countermeasure plan.

g. BMP No. F.6.2 – Other Municipal Operations Controls

Goal: Maintain Licensed Pesticide Applicator on Staff. Vermilion County Highway Dept. will maintain at least one employee licensed in pesticide application on staff. Licensed applicators are aware of proper techniques which limit the amount of pesticides applied to areas which could be detrimental.

Milestones:

- Year 1: Create list of licensed pesticide applicators.
- Year 2: Maintain list of licensed pesticide applicators.
- Year 3: Maintain list of licensed pesticide applicators.
- Year 4: Maintain list of licensed pesticide applicators.
- Year 5: Maintain list of licensed pesticide applicators.

Results: Vermilion County has elected to no longer spray roadside ditches and guard rails. Instead of spraying, the county has increased its mowing and trimming operations to maintain areas that were previously sprayed with pesticides.

C. RESULTS OF INFORMATION COLLECTED AND ANALYZED

Bridge inspections are completed annually. Major erosion problems are noted in the inspection documents, as is any debris found. Debris locations are documented through work orders.

D. FUTURE STORM WATER ACTIVITIES

Vermilion County has engaged C2 Engineers, LLP to review its stormwater program and create this annual report. C2 Engineers may also create and submit a new NOI for Vermilion County prior to the expiration of its existing ILR40 permit.

E. RELIANCE ON ANOTHER GOVERNMENT ENTITY

Vermilion County is not relying on another government entity to satisfy permit obligations.

F. CONSTRUCTION PROJECT LIST:

The following construction projects were undertaken by Vermilion County between April 2015 and March 2016:

- (1) Replaced Carroll Township Bridge (1300 E. Road)
- (2) Replaced Catlin Township Bridge (688 E. Road)
- (3) Replaced McKendree Township Bridge (1200 N. Road)
- (4) Replaced Village of Oakwood Bridge (Kelly Drive)