



# 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, 2018 To March, 2019

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: Adrian Greenwell Email Address: adriangreenwell@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))**

*Adrian L. Greenwell*

Owner Signature:

Adrian Greenwell

Printed Name:

5/30/19

Date:

County Engineer

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto: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  
March 2018 – March 2019, Year 3**

**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 10, 2016 which will expire on February 28, 2021. This annual report serves as an evaluation of the Year 3 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, along with information about the County's compliance with these goals.

**1. PUBLIC EDUCATION AND OUTREACH**

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

**Description & Goal:** Distribute educational pamphlets to County Facilities to be available for public information. Make information available at Highway Department, Health Department, and a booth of annual Home Show or similar event.

**Milestones:**

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

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

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

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

Year 5: Evaluate existing outreach methods. Continue/modify 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.

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

**Description & Goal:** Create a stormwater section within the county’s website. Include a link to the City of Danville’s website, IEPA site, and other applicable sites.

**Milestones:**

- Year 1: Update existing website to include stormwater page.
- Year 2: Update stormwater page and add/revise links and information.
- Year 3: Update stormwater page and add/revise links and information.
- Year 4: Update stormwater page and add/revise links and information.
- Year 5: Update stormwater page and add/revise links and information.

**Results:** The County has maintained its stormwater webpage. This page can be found at <https://www.vercounty.org/Highway.htm>. The page includes the County’s NOI, General Permit, Annual Reports, educational material and contact information for the public to report a stormwater problem.

**2. PUBLIC PARTICIPATION/INVOLVEMENT**

**a. BMP No. B.7 – Other Public Involvement**

**Description & Goal:** Assist Keep Vermilion County Beautiful with roadside cleanups (Adopt-a-Spot) by providing staff and equipment to assist with large cleanups and by referring residents to the program as well as maintain the county’s Adopt-a-Highway program.

**Milestones:**

- Year 1: Establish cooperative association between Vermilion County and Keep Vermilion County Beautiful (KVCB).
- Year 2: Provide assistance to KVCB with labor and equipment as needed & refer residents/businesses to program.
- Year 3: Continue program involvement and support and continue Adopt-a-Highway program.
- Year 4: Continue program involvement and support and continue Adopt-a-Highway program.
- Year 5: Continue program involvement and support and continue Adopt-a-Highway program.

**Results:** Vermilion County has maintained its relationship with KVCB and assists with cleanup efforts as requested. The program has experience a lack of involvement over the past year and may be reevaluated or adjusted over the coming year.

### **3. ILLICIT DISCHARGE DETECTION AND ELIMINATION**

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

**Description & Goal:** Mapping of Vermilion County's storm sewer systems. Map approximately 1/5 of the system each year.

**Milestones:**

Year 1: Gather plans and existing maps. Begin outfall/inlet GPS field work.

Year 2: Begin developing GIS map of storm water system. Continue obtaining GPS coordinates of outfalls, inlets, manholes, etc.

Year 3: Continue developing GIS map of storm water system. Continue obtaining GPS coordinates of outfalls, inlets, manholes, etc.

Year 4: Continue developing GIS map of storm water system. Continue obtaining GPS coordinates of outfalls, inlets, manholes, etc.

Year 5: Continue developing GIS map of storm water system. Continue obtaining GPS coordinates of outfalls, inlets, manholes, etc.

**Results:** The County has focused on identifying the extent of storm sewers located within its jurisdiction within small rural communities in conjunction with design projects. These systems have been surveyed as part of design projects. Because of the remoteness of some of the sites and outfalls, handheld GPS survey equipment has not proven effective. Survey methods will be evaluated or adjusted in the coming year to move forward with mapping efforts.

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

**Description & Goal:** Develop or maintain mechanism or policy to regulate non-stormwater discharges to the stormwater conveyance system. Prohibit non-stormwater discharges and dumping, have clear enforcement measures and delegation of authority, allow right of entry from 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 mechanisms.

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

Year 3: Develop draft language as needed to meet goals or modify standard procedures.

Year 4: Work with County agencies to revise any policies or procedures to accomplish goals.

Year 5: Begin utilization of new policies or procedures.

**Results:** Review of current regulations and mechanisms are in progress.

**c. BMP No. C.7 – Visual Dry Weather Screening**

**Description & Goal:** Visual inspection of storm sewer outfalls. Inspect approximately 1/5 of outfalls each year.

**Milestones:**

Year 1: Develop prioritization of future screening activities. Begin performing screenings while performing outfall mappings that will be completed as part of BMP C.1. Develop process for reporting/resolving potential illicit discharges.

Year 2: Continue performing screenings in conjunction with storm sewer system mapping (BMP C.1).

Year 3: Continue performing screenings in conjunction with storm sewer system mapping (BMP C.1).

Year 4: Continue performing screenings in conjunction with storm sewer system mapping (BMP C.1).

Year 5: Continue performing screenings in conjunction with storm sewer system mapping (BMP C.1).

**Results:** Outfalls adjacent to bridges have been visually inspected in conjunction with regular bridge inspections.

**d. BMP No. C.10 – Other Illicit Discharge Controls**

**Description & Goal:** Train Vermilion County employees on detection and elimination of illicit discharges.

**Milestones:**

Year 1: Organize and establish appropriate training methods and materials for the various job types for county employees. Research existing materials available online or from other agencies.

Year 2: Begin implementation of employee training program.

Year 3: Continue training program and modify as needed to improve effectiveness.

Year 4: Complete training of all appropriate county employees.

Year 5: Obtain employee feedback of the program and update to make more effective and cover desired topics. Develop new employee training program.

**Results:** Seasonal staff were trained by senior staff on how to identify and report areas of concern. This training is done verbally through the initial weeks of employment and as new tasks are presented to staff.

#### **4. CONSTRUCTION SITE RUNOFF CONTROL**

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

**Description & 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 by county staff.

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 continues to utilize IDOT's SWPPP form and highway standards as its in-house standard for construction projects and as the standard for consultant designed projects.

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

**Description & Goal:** Discuss Erosion and Sediment Control (E&SC) BMPs contained in SWPPP in preconstruction meetings with contractors.

**Milestones:**

Year 1: Incorporate discussions of E&SC as per the SWPPP at all preconstruction meetings. Obtain a signed copy of the Contractors Certification of Compliance with the SWPPP at each preconstruction meeting.

Year 2: Incorporate discussions of E&SC as per the SWPPP at all preconstruction meetings. Obtain a signed copy of the Contractors Certification of Compliance with the SWPPP at each preconstruction meeting.

Year 3: Incorporate discussions of E&SC as per the SWPPP at all preconstruction meetings. Obtain a signed copy of the Contractors Certification of Compliance with the SWPPP at each preconstruction meeting.

Year 4: Incorporate discussions of E&SC as per the SWPPP at all preconstruction meetings. Obtain a signed copy of the Contractors Certification of Compliance with the SWPPP at each preconstruction meeting.

Year 5: Incorporate discussions of E&SC as per the SWPPP at all preconstruction meetings. Obtain a signed copy of the Contractors Certification of Compliance with the SWPPP at each preconstruction meeting.

**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 on any projects with a SWPPP.

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

**Description & Goal:** Perform site plan reviews that include considerations for temporary and permanent 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:** No site plans were submitted for review to the county engineer.

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

**Description & Goal:** Program for processing and acting on 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 inspections. Report and document findings.
- Year 3: Perform site inspections. Report and document findings.
- Year 4: Perform site inspections. Report and document findings.
- Year 5: Perform site inspections. Report and document findings.

**Results:** Any inquiries or concerns reported by the public are typically responded to within two regular work days in the same manner in which the inquiry was received, whether by email or phone.

## **BMP No. D.6 – Site Inspection/Enforcement Procedures**

**Description & Goal:** Inspect construction sites for compliance with and effectiveness of construction plans. Require contractor to comply with SWPPP.

### **Milestones:**

Year 1: Review existing site inspection/enforcement procedures and modify as needed to ensure compliance with SWPPP and E&SC BMPs on project sites.

Year 2: Review existing site inspection/enforcement procedures and modify as needed to ensure compliance with SWPPP and E&SC BMPs on project sites.

Year 3: Review existing site inspection/enforcement procedures and modify as needed to ensure compliance with SWPPP and E&SC BMPs on project sites.

Year 4: Review existing site inspection/enforcement procedures and modify as needed to ensure compliance with SWPPP and E&SC BMPs on project sites.

Year 5: Review existing site inspection/enforcement procedures and modify as needed to ensure compliance with SWPPP and E&SC BMPs on project sites.

**Results:** Construction site inspectors and contractors discuss SWPPP and E&SC BMP's to be followed for each project at preconstruction meetings. Inspectors enforce these measures by completing, at a minimum, weekly inspection reports. Additional inspections are completed for every day that 0.5" rainfall occurs. The deficiencies are discussed with the Contractor and by signing the inspection form acknowledges the corrections to be made.

## **5. POST-CONSTRUCTION RUNOFF CONTROL**

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

**Description & Goal:** Stormwater management mechanism or policy to regulate and promote stormwater quality and reduction of stormwater runoff quantity. Policy should 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.

### **Milestones:**

Year 1: Review current regulations and policies.

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



Year 3: Develop draft language for policy.  
Year 4: Work with county agencies to draft final policy.  
Year 5: Initiate new policies and procedures.

**Results:** Review of current regulations and policies are in progress.

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

**Description & Goal:** Review plans to ensure conformance with developed standards guiding erosion and sediment control BMPs, stormwater quantity, and stormwater quality.

**Milestones:**

Year 1: Develop guidelines for site plan review of erosion/sediment and stormwater quality/quantity BMP's.  
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:** The County follows IDOT highway standards as a guideline to review site plans. Site plans for which the County has authority are reviewed by the County Engineer, who is the primary contact for the NPDES Program and knowledgeable about sediment and erosion control.

## **6. POLLUTION PREVENTION/GOOD HOUSEKEEPING**

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

**Description & Goal:** Train employees about stormwater quality and erosion control issues. Provide education on BMPs to address situations commonly encountered in their work environment. Training shall provide awareness of proper salt handling methods, spill response, illicit discharge elimination, oil water separators, and other applicable BMPs common to an employee's job duties.

**Milestones:**

Year 1: Develop new and review current employee training materials and programs.  
Year 2: Begin training program for both new and existing county employees.  
Year 3: Begin training program for both new and existing county employees.  
Year 4: Begin training program for both new and existing county employees.

Year 5: Begin training program for both new and existing county employees.

**Results:** Employee training is completed in the field pairing new hires with experienced personnel that know the county's standard operating procedures. When new equipment is purchased or put into use, County staff discusses appropriate procedures and operational/maintenance practices with the supplier/installer.

**C. RESULTS OF INFORMATION COLLECTED AND ANALYZED**

Bridge inspections are completed in accordance with the IDOT's guidelines. The state generates a list each month of the bridges that are to be inspected these are prioritized according to age and a rating. Major erosion problems at or adjacent to bridges are noted in the inspection documents, as is any debris found. Debris locations are documented and resolved through work orders.

**D. FUTURE STORM WATER ACTIVITIES**

Outfall sampling/inspection plan will be finalized and implemented in 2019.

Focus will be placed on evaluating the regulatory mechanisms and authority maintained by the county with regard to site plan reviews and stormwater management.

**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 2018 and March 2019:

- Patch and resurface Fairmount-Sidell Road/CH 18
- Replace Carroll Township bridge on 1300E
- Replace Catlin Township bridge on 1130E