



# 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, 2016 To March, 2017

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 R. Staske  
Owner Signature:

May 22, 2017  
Date:

Douglas Staske  
Printed Name:

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

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**  
**ANNUAL FACILITY INSPECTION REPORT**  
**March 2016 – March 2017, Year 1**  
**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 1 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, 2017, and 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 launched a stormwater page accessible from the County website on March 22, 2017. The page includes the County’s NOI, General Permit, Annual Report, 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:** The County has established a cooperative association with KVCB. They provide 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**

**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 continues to map and collect data as a part of the annual bridge inspection program.

#### **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:** A priority list for future screenings is in progress. The County website includes a link to the county engineer's email address for the general public to report a potential illicit discharge. Once the county engineer reviews the complaint, any sewage or septage related discharges are forwarded to the Public Health Department other non-stormwater source discharges are forward to the County Maintenance Supervisor. If the discharge is found to be within the right-of-way it is assigned to a work order and the problem is corrected.

### **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:** 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**

**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 has adopted IDOT's SWPPP form and highway standards as its in-house standards for construction 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.

**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:** 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**

**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:** Development of a call tracking system is in progress.

**e. 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 adopted to follow IDOT highway standards as a guideline to review site plans. Site plans 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.

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

Bridge inspections are completed annually, approximately 220 bridges were inspected last winter. 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 are noted in the inspection documents, as is any debris found. Debris locations are documented through work orders.

**D. FUTURE STORM WATER ACTIVITIES**

Sampling requirements will be reviewed and development of a sampling plan for outfalls will be adopted.

**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 2016 and March 2017:

- (1) Resurface County Highways 10 and 14
- (2) Reconstruct Chicago Street in Alvin
- (3) Replaced County Bridge 092-3528 at County Highway 10 and County Highway 21