



# RULE 13 ANNUAL REPORT

State Form 51278 (R5 / 4-10)  
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

### For questions regarding this form, contact:

IDEM – Rule 13 Coordinator  
100 North Senate Avenue, Rm 1255  
MC 65-42  
Indianapolis, IN 46204-2251  
Phone: (317) 234-1601 or  
(800) 451-6027, ext. 41601 (within Indiana)

Web Access:  
<http://www.in.gov/idem> (Search for Stormwater)

### NOTE:

- In order to comply with 327 IAC 15-13-18, annual reports must be submitted to the Indiana Department of Environmental Management. **Failure to submit this form will be considered noncompliance with your permit.**
- For the **first five** (5)-year permit term, this completed form must be submitted by 1 year from the SWQMP – Part C submittal date and, thereafter, 1 year from the previous report (i.e., in years two (2) through five (5) of permit coverage).
- In the **second and subsequent** five (5)-year permit terms, this completed form must be submitted in years two (2) and four (4) of permit coverage, by 1 and 3 years from the SWQMP – Part C resubmittal date.
- Please type or print in ink.**
- Please answer all questions thoroughly and return the form by the due date.
- Return this form and any required addenda to the IDEM Rule 13 Coordinator at the address listed in the box on the upper-right.

### REPORTING YEAR (Check one)

- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013

## PART A: GENERAL INFORMATION – MS4 OPERATOR

1. Report Completed By: Gavin Merriman on behalf of the Town of Zionsville  
(MS4 Operator — i.e., name of permit holder)

2. Permit Number: **INR 0 4 0 035**

3. Mailing Address  
Street Address: 1100 W. Oak Street

<input type="checkbox"/> City <input checked="" type="checkbox"/> Town	Of: Zionsville	Zip: 46077	County: Boone
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## PART B: GENERAL INFORMATION – CONTACT PERSON

4. Contact Person Name (please print): Gavin Merriman

5. Contact Person Title: Stormwater Program Manager

6. Phone Number: 317-873-4544

7. Facsimile Number (if applicable): 317-733-2275

8. E-mail Address (if applicable): gmerriman@zionsville-in.gov

## PART C: CONTROL MEASURE ACTIVITIES

9. For the following items, please provide a summary of control measure activities related to Rule 13 performed during the previous year.  
List any updated measurable goals from the SWQMP, compliance activities, BMPs installed or initiated, updated programmatic indicator data, and updated or developed regulatory mechanisms with effective dates.

### a. Public Education and Outreach:

Assessment/Public Understanding Survey – An initial survey was completed in 2005. In the spring of 2009, the Town, through its partnership with the Upper White River Watershed Alliance (UWRWA), commissioned the Natural Resource Social Science Lab at Purdue University to conduct a stormwater awareness and attitude survey. The 8-page survey was sent to 357 residents of Zionsville. 45.5% of survey recipients completed and returned the survey.

Partnerships – The MS4 maintains an informal working partnership with the Boone County Soil and Water Conservation District (BCSWCD), the Boone County Surveyor's Office and the Eagle Creek Watershed Alliance (ECWA). In 2007, the MS4 Coordinator and an ECWA representative began discussions that led to an ECWA presentation in January of 2008. In 2009, the MS4 signed a MOA with the UWRWA. This partnership focuses on meeting the requirements for MCMs 1 and 2. The MS4 Coordinator participates in the UWRWA meetings and he was recently elected president of its executive board.

Hazardous Waste – Working via its membership on the Boone County Solid Waste Management Board, the Town continued to pursue opportunities to conduct community-wide household hazardous waste collections. The Boone County Solid Waste District (BCSWD) has held a Hazardous Waste Collection Day in Zionsville in each year of the reporting period. From January 1, 2008 through June 30, 2010, approximately 850 vehicles visited the collection day dropping off a total of 16.25 tons of hazardous waste.

Solid Waste and Recycling – The Town coordinated with the BCSWD to provide clear recycling containers at the Zionsville Youth Soccer Association soccer fields. In 2010, a recycling drop-off station was established at the Town's Municipal Services Building. The local recycling program upgraded to a 90-gallon tote for curbside collection and now accepts all plastics 1 through 7. The program also implemented a single-stream materials process.

Stormwater Educational Materials – The Town collects educational materials to provide as handouts at Town Hall and at the Municipal Services Building. These include ECWA brochures, BCSWCD pamphlets, and various IDEM produced materials. In 2008, the Town purchased an Enviroscape watershed simulation display to be used for youth stormwater education. Also in 2008, the Town, in cooperation with several other MS4s in the Hamilton County area, adapted EPA produced educational postcards and distributed them to Zionsville residents. The postcards contained a coupon for a free car wash at Mike's Express Car Wash. Of 4,200 postcards distributed in Zionsville, over 28% of the coupons were redeemed. This was by far the highest response rate of all communities included in the distribution. Through the Town's partnership with the UWRWA, a variety of materials have been developed and distributed. For a summary of these materials and activities, see Attachment 1, Sections 1.0 and 2.0.

Signs – A total of 11 watershed signs, provided by the ECWA, are posted throughout the MS4. Three signs are posted at bridge crossings over Eagle Creek and Little Eagle Creek, six are posted at Zionsville Parks facilities and two are posted at the Zionsville Lion's Park.

Storm Water Video – The Town is developing a video library that is available to schools and other youth groups. This media will also be used in future public meetings and for employee training purposes as necessary.

Website – The Town posted informational news items on the website throughout the reporting period to promote Limb & Brush Collection, the BCSWD Hazardous Waste Collection Day and Leaf Collection. The Town has a dedicated stormwater page where program documents, including the drainage ordinance, SWQMP, annual reports, audit reports, and information on Rule 13 and Rule 5, are posted. The Town is contracting with an IT consulting firm to upgrade its website software platform. This upgrade will allow for further development of the Town's stormwater page.

Contact Tracking – Attachment 1

News Media – Attachment 1, Section 2.0

**b. Public Involvement and Participation:**

Citizens Advisory Group – The Town formed a Citizens Advisory Group in 2008 to assist with a stormwater utility rate study that was conducted by Christopher B. Burke Engineering, Ltd. In 2010, the Town will create a Citizens Advisory Committee by ordinance as a permanent feature of the new stormwater utility. The committee will advise the Stormwater Board on issues facing the utility.

Adopt-A-River Program – The Town is exploring formal participation in the Adopt-A-River Program.

Storm Drain Stenciling – The Town requires that all new construction storm sewer castings have a pre-cast, stamped “no dumping” stormwater message. The Town also plays a supporting role for any group or organization that wishes to perform storm drain stenciling.

Partnerships – (see MCM #1)

Youth Involvement – On May 5, 2008, the Town hosted a Girl Scout troop to conduct storm drain stenciling. On April 25, 2009, a Cub Scout group participated in a downtown cleanup and collected 7 bags of trash. In each year of the reporting period, the Town has had a water education booth at ZGreenfest. Visitors to the booth could interact and play with the Enviroscape watershed model or pick-up a variety of educational brochures and hand-outs. The Zion Nature Center, part of the Town of Zionsville’s Parks Department, hosts a variety of water-related educational activities each year. See Attachment 2 for a summary of these activities.

Contact Tracking –Attachment 1

**c. Illicit Discharge Detection and Elimination:**

Stormwater System Map – Mapping is complete for the entire urbanized area of Zionsville. In 2010, the Town consolidated with both Union and Eagle Townships. This consolidation resulted in an expansion of the MS4 area, coterminous with the corporate boundaries of the Town, from 13 square miles to 52 square miles. The Town is initiating the mapping process for the newly acquired areas and planning for IDDE activities.

Prohibit Illicit Discharges – The comprehensive Stormwater Management Ordinance is in place which prohibits illicit discharges.

Detect, Address, and Eliminate Illicit Discharges –A comprehensive stormwater outfall screening event was conducted in October of 2008. During this event, stream walks were conducted to identify all outfalls greater than or equal to 12 inches in diameter. These outfalls were assessed utilizing the Center for Watershed Protection’s Outfall Reconnaissance Inventory.

Dry Weather Screening – Screening activities identified 69 flowing outfalls as well as 6 dry outfalls that have been characterized as having the potential for illicit discharges. Future screenings will include additional water quality parameters as resources are available.

Identification of Industrial Facilities – In 2010, the Town acquired an Indiana Chamber of Commerce list of businesses that may be regulated under Rule 6 (Attachment 3). The list has not yet been verified for accuracy. The MS4 will work to develop an accurate list of all Rule 6 industries operating within its jurisdiction during the next permit cycle.

Education – The Town has signed a MOA with the Upper White River Watershed Alliance. See Attachment 1 for a summary of activities.

Recycling – All residents may pay a monthly fee for curbside recycling that is provided by the Town’s contracted trash service.

**d. Construction Site Storm Water Run-off Control:**

Erosion and Sediment Control Ordinance - The comprehensive Stormwater Management Ordinance is in place which addresses erosion and sediment control requirements.

Coordination with BCSWCD – The Town continued its coordination efforts with the BCSWCD on construction projects.

Personnel Training – The MS4 Coordinator has attended numerous trainings and workshops during the reporting period. He is often accompanied by other Zionsville staff such as the Town’s Director of Planning, Terry Jones. In 2008, he attended the LTAP Stormwater Drainage Conference, the Annual MS4 Meeting, the Floodplain Management Seminar and the Central Indiana Stormwater Workshop where he earned 6 hours of training. In 2009, he attended the Floodplain Administration Class, the LTAP Stormwater Drainage Conference, the JFNew webinar “Becoming a Rain Gardener”, the Annual MS4 Meeting and the Annual Stormwater Workshop where he earned 12 hours of continuing education credits. In 2010, he attended the Stormwater Conference and the Annual MS4 Meeting. The MS4 Coordinator is also a member of the Indiana Water Environment Association (IWEA) and receives information through the association.

Hired in June of 2010, the Stormwater Program Manager has been regularly attending the INAFSM Stormwater Inspectors Committee meetings. He is also studying for the Certified Erosion, Sediment and Storm Water Inspector exam. The Town will be hosting a Phase II Good Housekeeping and Pollution Prevention training on September 2, 2010 open to all town employees.

BMP Implementation Requirements – The Town is utilizing their Technical Standards with the Ordinance.

Public Informational Requests – Mainly requests were received regarding whether new development sites were approved by the Town. Disposal of household hazardous waste requests were directed to the BCSWD.

**e. Post-construction Storm Water Management in New Development and Redevelopment:**

Erosion, Sediment, and Post-construction Control Ordinance – The comprehensive Stormwater Management Ordinance is in place which addresses erosion and sediment control as well as post-construction requirements.

Site Planning – The comprehensive Stormwater Management Ordinance mandates post-construction BMPs as part of site planning.

BMP Implementation Requirements – The comprehensive Stormwater Management Ordinance mandates post-construction BMPs be implemented on new development and redevelopment projects.

Personnel Training – See Personnel Training section in Construction Site Storm Water Run-off Control.

Operational and Maintenance Plan – The Town has operation and maintenance guidance for Town-owned BMPs. All of the BMPs are new and formal plans have not yet been developed. The ordinance does require that O&M plans be submitted for all BMPs on private developments.

**f. Pollution Prevention and Good Housekeeping for Municipal Operations:**

Personnel Training – Conducted facility walk-throughs on May 5, 2008. The Town will be hosting a Phase II Good Housekeeping and Pollution Prevention training on September 2, 2010. The Parks Department Superintendent is certified in pesticide application through the Office of the Indiana State Chemist (OISC).

SWPPPs – Storm water pollution prevention plans are being developed for all Town facilities that have the potential to impact local water resources. The plans are expected to be finalized and implemented at each facility no later than September 1, 2010. Spill kits were also purchased for each of these facilities and a written spill prevention and response plan is being developed.

Maintenance Activities – Vehicle wash water drains to an oil and water separator which is connected to the sanitary sewer.

Flood Prevention Projects – The Town's assessment for the need for flood prevention projects is ongoing.

Chemical Usage – The annual chemical usage by the Town for weed control is minimal. The Town's average annual application rate of diluted Round-Up is approximately 100 gallons (60 gal. along guard rails by the Street Dept. and 40 gal. by the Parks Dept.). In 2008, the Town purchased the Zionsville Golf Course which is managed by the Parks Department.

Salt Management – The Town no longer uses sand for its snow and ice mitigation activities. Road salt is stored in an enclosed facility where it is protected from precipitation and stormwater runoff.

Recycling Program – For Town vehicle maintenance activities, mobile service units are utilized which collect all fluids and dispose them off-site. A waste oil barrel is used to collect incidental fluids and a contractor is used to dispose of those fluids. In 2010, a recycling drop-off station was established at the Town's Municipal Services Building. The local recycling program upgraded to a 90-gallon tote for curbside collection and now accepts all plastics 1 through 7. The program also implemented a single-stream materials process.

**g. Other controls:**

None at this time.

**10. List all receiving water(s) and corresponding outfall(s) not submitted in the original NOI letter (form):**

No additional to report

**11. Provide any data regarding the following programmatic indicators, since the previous annual report (Attach separate sheets as necessary, and indicate, as appropriate, the rationale behind not using a listed indicator):**

**See attached spreadsheet (Attachment 4) for reporting on all Programmatic Indicators**

- i. Number or percentage of citizens that have an awareness of storm water quality issues
- ii. Number and description of meetings, training sessions, and events conducted to involve citizens
- iii. Number or percentage of citizens that participate in storm water quality improvement projects
- iv. Number and location of storm drains marked or cast
- v. Estimated linear feet or percentage of MS4 conveyances mapped
- vi. Number and location of MS4 area outfalls mapped
- vii. Number and location of MS4 area outfalls screened for illicit discharges
- viii. Number and location of illicit discharges detected
- ix. Number and location of illicit discharges eliminated
- x. Number of, and amount of material collected from, HHW collections
- xi. Number and location of citizen drop-off centers for automotive fluids
- xii. Number or percentage of citizens that participate in HHW collections
- xiii. Number of construction sites permitted for storm water quality
- xiv. Number of construction sites inspected
- xv. Number and type of enforcement actions taken against construction site operators
- xvi. Number of public informational requests received related to construction sites
- xvii. Number, type, and location of structural BMPs installed
- xviii. Number, type, and location of structural BMPs inspected
- xix. Number, type, and location of structural BMPs maintained, or improved
- xx. Type and location of nonstructural BMPs utilized
- xxi. Estimated acreage or square footage of open space preserved and mapped
- xxii. Estimated acreage or square footage of mapped pervious and impervious surfaces
- xxiii. Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs
- xxiv. Number and location of entity facilities that have containment for accidental releases
- xxv. Estimated acreage or square footage and location where pesticides, herbicides and fertilizers are applied by the entity
- xxvi. Estimated linear feet or percentage and location of unvegetated swales and ditches that have an adequately sized vegetated filter strip
- xxvii. Estimated linear feet or percentage and location of MS4s cleaned or repaired
- xxviii. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized
- xxix. Number and location of storm water outfall areas remediated from scouring conditions
- xxx. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize storm water exposure
- xxxi. Estimated amount, in tons, of salt and sand used for snow and ice control
- xxxii. Estimated amount of material collected from catch basin, trash rack, or other structural BMP cleaning

xxxiii. Estimated amount of material collected from street sweeping

xxxiv. Number or percentage and location of canine parks sited at least 150 feet away from a surface water body

xxxv. Other

**12. On-Going Water Quality Characterization Activities****a. Monitoring Data (submit summary of appropriate results):**

The Town will enter into a cost sharing agreement in 2010 with the United States Geological Survey (USGS) to upgrade the existing stream gauging station at Zionsville Road and Eagle Creek. The gauge currently measures the depth and the discharge volume of Eagle Creek. The upgrade will add monitoring equipment for 6 water quality parameters including temperature, pH, specific conductance, turbidity, nitrate and dissolved oxygen.

**b. Other:****13. Discuss any problems encountered during this period (include any BMP changes in response to problems encountered).**

None to Report

**14. Identify any new funding source(s) for implementing this permit.**

The Street Department budget includes Level II specific line items that will provide funding for projects relating to public education and outreach, public participation and involvement, storm sewer conveyance and outfall mapping and screening, construction and post-construction runoff control, and good housekeeping and pollution prevention programs.

In addition, the Town is considering the establishment of a stormwater utility as a long-term funding mechanism for the MS4 program.

**15. Identify any non-routine (i.e. do not include routine maintenance or cleaning) budgetary transactions related to your permit. List all storm water improvement projects started during this reporting period.**

None to Report

**16. Provide a summary of complaints received and the follow-up actions taken in reference to storm water quality issues.**

None Received

**17. Implementation status:****a. Are the six minimum control measures being implemented within the compliance schedule and SWQMP timetables?**

Yes  No\*

\* If no, explain:

**b. Do you foresee any problems which may affect full implementation of all the measures?**

Yes\*  No

\* If yes, explain:

**c. Are the six minimum control measures meeting percent reduction goals specified in the SWQMP?**

Yes  No\*

\* If no, explain:



**PART E: CERTIFICATION AND SIGNATURE**

The individual completing this report, listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:

*"By signing this Rule 13 annual report, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Type or Print Name: Matt Price, Town Council President and MS4 Operator

Signature: \_\_\_\_\_ (mm/dd/year)