



# RULE 13 ANNUAL REPORT

State Form 51278 (R2 / 11-03)  
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**For questions regarding this form, contact:**

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

Web Access:

<http://www.in.gov/idem/water/hpdes/permits/wetwthr/storm/rule13.html>

**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 resubmitted 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 (partial)
- 2011
- 2012
- 2013

**PART A: GENERAL INFORMATION – MS4 OPERATOR**

1. Report Completed By: Ms. Jennifer Gadzala  
(MS4 Operator — i.e., name of permit holder)

2. Permit Number: **INR 0 4 0 0 3 6**

3. Mailing Address  
Street Address: Town of Chesterton  
726 Broadway

- City
- Town

Of: Chesterton

Zip: 46304

County: Porter

**PART B: GENERAL INFORMATION – CONTACT PERSON**

4. Contact Person Name (please print): Ms. Jennifer Gadzala

5. Contact Person Title: MS4 Operator

6. Phone Number: 219-728-1336

7. Facsimile Number (if applicable): 219-728-6114

8. E-mail Address (if applicable): jgadzala@chestertonin.org

**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.

## PART C: CONTROL MEASURE ACTIVITIES

### a. Public Education and Outreach:

#### **BMP 1: Develop and implement a public outreach and education program.**

**Measurable Goal:** By July 2005, NIRPC will review current educational activities within the MS4 Area and develop an inclusive regional wide education program.

**Status and Comments:** In total, the Town disseminated over 21,900 pieces of water quality education materials in this reporting period. See BMPs #3 & #5 below. See Appendix A for the Northwest Indiana MS4 Community Partnership Annual Report from the Northwestern Indiana Regional Planning Commission (NIRPC). The Town regularly attends the MS4 Community Partnership Committee meetings.

#### **BMP 2: Survey MS4 area constituents for attitudes and prior knowledge of stormwater quality.**

**Measurable Goal:** By May 2006, NIRPC will design and distribute baseline and tracking surveys to be distributed at the end of permit year three (2006) and permit year five (2008) to quantify constituent attitudes towards and knowledge of stormwater quality.

**Status and Comments:** Completed in 2007

#### **BMP 3: Educate minorities, disadvantaged communities, and children.**

**Measurable Goal:** By November 2008, NIRPC will conduct workshops and hold public meetings to distribute informational materials on stormwater quality in low income and/or minority neighborhoods.

**Status and Comments:** The Town launched a brand new website (March 2010). The MS4 Program website highlights the 6 minimum control measures required under the permit ([www.chestertonin.org](http://www.chestertonin.org)). In 2008, the Town implemented the initial Watersheds and Non-Point Source Education Unit in collaboration with Chesterton Middle School. Over 450 students have gone through the program from 2008 to 2010. The Town partnered with the Town of Porter and NIRPC (December 2009) to present a 3 day water quality event for 270 - 5<sup>th</sup> grade students at Westchester Middle School and provided each student with a Project Wet workbook. In 2009 the Town conducted a letter campaign, in partnership with the Town of Porter and NIRPC, to all Duneland Community Schools to inform them of the education opportunities we could provide to them at no cost. In 2009 & 2010, the Town provided over 400 pieces of education materials to Girl & Boy Scouts. The Town worked in partnership with LMCP, NIRPC, and Coffee Creek Watershed Conservancy (2010) to provide water quality and wetland education to over 60 homeschool and high school students. The town partnered with IDEM (2010) to provide water quality education to 112 third graders at Liberty Elementary School and provided each student with a Project Wet workbook. See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC.

#### **BMP 4: Review current Combined Sewer Overflow Operational Plan (CSOOP) and Long Term Control Plan (LTCP).**

**Measurable Goal:** Upon State approval of the LTCP, the LTCP will be reviewed to ensure consistency between the LTCP and this MCM.

**Status and Comments:** The LTCP is still in draft form and will be reviewed for consistencies upon State approval of the plan. The CSOOP has been reviewed.

#### **BMP 5: Educational Initiatives.**

**Measurable Goal 1:** By May 2007, NIRPC will begin educational initiatives for reducing and handling lawn and pet waste, and their impact on stormwater quality.

**Measurable Goal 2:** By November 2008, begin educational initiatives for proper application of pesticides, herbicides, and fertilizers.

**Measurable Goal 3:** By November 2008, begin public education program for public employees, businesses, and general public on the hazards of illicit connections. Informational brochures and guidance documents will be made available to school groups and other target audiences. Reporting of illicit discharges and spills will be publicized.

**Measurable Goal 4:** By May 2007, begin installing roadside signage to increase awareness of dumping impacts on stormwater quality. Concurrently, begin installing tributary signage to increase awareness of local water resources, and caution against fishing and swimming near storm sewer outfalls.

**Status and Comments:** The Town promoted and participated in the Save the Dunes rain barrel workshop and giveaway (2008) where 56 residents participated and received rain barrels. The Town conducted door to door dissemination approximately 9,744 educational "tip cards" and MS4 brochures to 1,218 homes (2008). The Town launched the *Let's Talk About Poop* pet waste campaign (2009) targeting pet owners; and participated in Bark in the Park event (July 2009)-giving away 400 dog waste bag dispensers and 400 informational postcards. 40 doggy bag dispensers & postcards were made available to public at the Park Dept. office. The Town purchased 30 pet waste signs (2009) and installed them at local parks. The Town provided 1,000 children's placemats to a local restaurant (2009). The Town launched the *Leave It On The Lawn* campaign (June 2010) to reach 50% of residents who don't- includes information about leaving lawn clippings on lawn-targets residents that bring lawn clippings to the Town's compost dropoff location; 4,800 flyers were inserted in local newspaper (57% of residents prefer receiving info in newspapers) and 100 brochures were given to those show dropped off clippings. The Town also posted on website a list of local retailers offering no or low-phosphorus fertilizer. The Town promoted a watershed sign design contest (2009) and installed 13 signs throughout town. The Town partnered with Chesterton High School art teacher and students (May 2009) for a design of the *Keep Chesterton Beautiful* logo in the promotion of litter reduction and recycling. Various education materials (were made available at Town Hall). The Town created the *Only Rain Down the Drain* newspaper article series in 2009 and continues to write informative articles on an annual basis. The MS4 Program is on Facebook & Twitter. The MS4 Operator wrote education articles for the One Man's Trash paper insert developed by the Recycling and Waste Reduction District of Porter County's and for the Porter County Commissioners outreach efforts during the 2010 storm water study. See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC.

#### **BMP 6: NIRPC Educational Initiatives**

**Measurable Goal:** As part of the NIRPC Joint Stormwater Management Plan, the following initiatives may be implemented in the Town of Chesterton: Project WET educational workshops for teachers; Stormwater pollution prevention contractor workshops for builders, utility contractors, excavating contractors, developers and engineers (annually); Brochures for tourism centers, fairs and festivals; Low impact development information for builders and contractors; Homeowner materials: lawn and garden care, water conservation practices, proper disposal of HHW, and pet waste management; Development of an educational display; Development of a water conservation and protection web site, annually; Staff training workshop for MS4 staff (annually); Media materials and promotional give-a-ways at county fairs; Activities for students for northwest Indiana Coast Week (annually).

**Status and Comments:** See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC.

**b. Public Involvement and Participation:**

**BMP 1: Develop and implement a public participation and involvement program.**

**Measurable Goal:** By July 2005, NIRPC will review current public participation and involvement programs within the MS4 Area and develop a program to notify and include constituents in MS4 activities.

Status and Comments: See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC. The Town regularly attends the MS4 Community Partnership Committee meetings.

**BMP 2: Survey constituent attitudes and willingness to volunteer.**

**Measurable Goal:** By May 2006, NIRPC will quantify attitudes, prior knowledge, and willingness of constituents to participate in volunteer activities utilizing attitude surveys.

Status and Comments: Completed in 2007.

**BMP 3: Provide public notice of council/commission meetings addressing stormwater issues.**

**Measurable Goal:** By May 2006, publicize dates and times for all meetings where stormwater related ordinances or management objectives are discussed. NIRPC will hold public meetings on a regular basis in Porter County. (All communities are required to comply with local and state public meeting notices, regardless of the subject matter.)

Status and Comments: The Town posts public meetings 48 hours in advance each month. Stormwater Management Board meetings are held on the 3<sup>rd</sup> Monday of each month at 6:30 pm at Town Hall.

**BMP 4: Review LTCP**

**Measurable Goal:** Upon State approval of the LTCP, the LTCP will be reviewed to ensure consistency between the LTCP and this MCM.

Status and Comments: The LTCP is still in draft form and will be reviewed for consistencies upon State approval of the plan.

**BMP 5: Storm drain marking.**

**Measurable Goal:** By May 2006, NIRPC will work with the Town of Chesterton to begin a storm drain stenciling program.

Status and Comments: The Town established a storm drain stenciling program in 2008. The Town developed the *Be A Storm Water Hero* promotion to attract interested individuals and groups. 17 Cub Scouts and several parents participated in the program in 2009. See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC.

**BMP 6: Public participation initiatives.**

**Measurable Goal:** As part of the NIRPC Joint Stormwater Management Plan, the following initiatives may be implemented in the Town of Chesterton: Stormwater quality exhibit, annually; Partnership with Lake Michigan HHW District and Recycling and Waste Reduction District of Porter County on waste reduction, elimination, and collection; Wetland plantings; Stream clean-up and monitoring; Adopt a Stream program.

Status and Comments: In 2008, the Town implemented the initial Watersheds and NonPoint Source Education Unit in collaboration with Chesterton Middle School. Over 450 students have gone through the program from 2008 to 2010. The Town sponsored the annual clean-up event on Coffee Creek at Coffee Creek Park in September 2008 and 2009 with 32 volunteers. The Town coordinated with several Purdue North Central professors in 2009 to facilitate invasive species education for their students. The Town held a planting day in 2008 with 16 volunteers participated in planting native plants, shrubs, and trees in and around a newly constructed storm water wetland in Dogwood Park. The Town continues to work with local high school students and teachers on various education campaigns. See Section 9, BMP 5, MG 4. The Town promoted the Recycling and Waste Reduction District of Porter County's rain barrel workshop.

See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC.

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

**BMP 1: Develop stormwater sewer map.**

**Measurable Goal:** By November 2005, a stormwater map (mapping discrepancy of no less than five meters) will be developed noting the location of 25% of the known stormwater outfall conveyance systems with a pipe diameter of greater than 12 inches and open ditches with bottoms larger than 2 feet that are maintained by the MS4 Area. The map will be updated annually so that by November 2008, 100% of known stormwater outfall pipes and open ditches described above will be mapped.

Status and Comments: The Town continued to update storm sewer maps through GPS and GIS mapping. In 2008, we began mapping roadside ditches and culverts.

**BMP 2: Development and implementation of ordinances or other regulatory mechanisms that prohibit illicit discharges into the MS4 conveyance.**

**Measurable Goal:** By November 2005, the Town of Chesterton plans to adopt an ordinance prohibiting illicit discharges into the MS4 conveyances.

Status and Comments: Complete. The Illicit Discharge Detection and Elimination Ordinance was approved by the Town on February 13, 2006 and initiated as planned (Ordinance No. 2006-04; Article III Illicit and Illegal Discharge).

**BMP 3: Develop plan to detect, address, and eliminate illicit discharges, including illegal dumping, into the MS4 conveyance system.**

**Measurable Goal:** By November 2008, dry weather screening will be used to detect illicit connections and their source(s). Once detected, the illicit discharge source will be removed or corrected. Active industrial facilities will be mapped and identified. Current known NPDES permitted facilities are noted in Appendix D of Part C.

Status and Comments: The IDDE program is in place. The Town is implementing the outfall inventory task and dry weather screening will occur when deemed necessary.

**BMP 4: Implementation of an education program about the hazards associated with illicit discharges and improper disposal of waste.**

**Measurable Goal:**(See MCM a: Public Education and Outreach; BMP 5, Goal 3)

Status and Comments: The Town has added a discussion about the difference between storm and sanitary sewers to the storm drain marking program presentation. See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC

**BMP 5: Establishment of a recycling program for commonly dumped wastes.**

**Measurable Goal:**(See Part C: Sections 2.2.1 and 2.2.6 and MCM b: Public Participation and Involvement; BMP 6)

Status and Comments: See Appendix A for the Northwest Indiana MS4 Community Partnership Biannual Report from the NIRPC

**BMP 6: Review current CSOOP and LTCP.**

**Measurable Goal:** Upon State approval of the LTCP, the LTCP will be reviewed to ensure consistency between the LTCP and this MCM.

Status and Comments: The LTCP is still in draft form and will be reviewed for consistencies upon State approval of the plan. The CSOOP has been reviewed.

**d. Construction Site Stormwater Run-off Control:**

**BMP 1: Develop and adopt a construction site stormwater pollution prevention plan (including erosion and sediment control) ordinance.**

**Measurable Goal 1:** By November 2005, the Town of Chesterton will adopt an erosion and sediment control ordinance.

Status and Comments: The Ordinance was adopted by the Town on February 13, 2006 and initiated as planned (Ordinance No. 2006-04; Article IV).

**Measurable Goal 2:** By May 2006, formally implement a policy that establishes penalties associated with violations of the local ordinance, including the use of monetary fines and stop work orders as enforcement tools.

Status and Comments: Fully implemented

**BMP 2: Annual training of MS4 Area inspectors and plan reviewers.**

**Measurable Goal:** By November 2005, MS4 Area personnel, erosion and sediment control plan reviewers, and construction site inspectors will be required to attend state sponsored training on erosion and sediment control, or be enrolled in other appropriate training sessions.

Status and Comments: MS4 Area personnel attended the following training sessions and workshops:

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**BMP 3: Plan identifies and schedules implementation of a requirement to use appropriate BMPs on construction sites to control sediment and erosion and other waste at a site.**

**Measurable Goal:** By the end of 2006, the MS4 Area will prepare a technical document providing a suite of approved BMPs for selection by contractors.

Status and Comments: Complete. The Town now requires the purchase of a BMP manual in CD format at the time of erosion and sediment control permit application submittal.

**BMP 4: Develop and implement a program to receive, track, and respond to erosion and sediment control complaints.**

**Measurable Goal 1:** By May 2006, establish procedures for receipt of and consideration of public inquiries, concerns, and information on local construction activities.

Status and Comments: Procedures have been established. The MS4 Operator works directly with the Town's Building Commissioner to address questions and concerns of citizens. The Town documents and tracks public inquiries and complaints, as well as construction site-related activities such as SWPPP review, inspections, and notices of violations.

**Measurable Goal 2:** By the end of 2006, policies and procedures (standard operating procedures) will be formalized for tracking and follow up of public concerns and information.

Status and Comments: Policies and procedures are in place. A form has been created for use by the MS4 Operator to document and track, if necessary, public complaints and concerns.

e. **Post Construction Stormwater Management in New Development and Redevelopment:**

**BMP 1: Develop and adopt a post construction plan and ordinance to meet requirements of 327 IAC 15-5-6.5 (a) (8).**

**Measurable Goal 1:** By June 2006, the Town of Chesterton will develop a plan to implement, manage, and enforce an ordinance to address post construction stormwater discharge to meet requirements of 327 IAC 15-5-6.5(a)(8).

Status and Comments: The Post-Construction Ordinance was adopted by the Town on June 30, 2006 and initiated as planned (Ordinance 2006-15, Article V, Post Construction Storm Water Management).

**Measurable Goal 2:** By May 2006, formally implement a policy that establishes penalties associated with violations of the local ordinance, including the use of monetary fines and stop work orders as enforcement tools.

Status and Comments: Policy complete and fully implemented.

**BMP 2: Where appropriate, storage, infiltration, filtering, and/or vegetative practices will be used to reduce the impact of pollutants in stormwater run-off on the receiving waters. In addition, the following activities shall be implemented:**

**Measurable Goal 1:** By June 2006, infiltration practices will not be allowed in wellhead protection areas.

Status and Comments: Implemented as part of the Post Construction Ordinance.

**Measurable Goal 2:** By June 2006, appropriately sized vegetated filter strips will be required and maintained along unvegetated swales and ditches.

Status and Comments: Implemented as part of the Post Construction Ordinance.

**Measurable Goal 3:** By June 2006, develop and adopt a policy to prohibit stormwater discharge into sinkholes or fractured bedrock without treatment that results in the discharge meeting Indiana groundwater quality standards as referenced in 327 IAC 2-11.

Status and Comments: Implemented as part of the Post Construction Ordinance.

**Measurable Goal 4:** By June 2006, develop and adopt a policy to require discharge from stormwater Class V injection wells to meet Indiana groundwater quality standards.

Status and Comments: Implemented as part of the Post Construction Ordinance.

**Measurable Goal 5:** By June 2006, develop and adopt a policy that requires refueling stations that replace existing tanks to install tanks that reduce heavy metal and polychlorinated aromatic hydrocarbon (PAH) runoff in stormwater.

Measurable Goal Revision: The Town will utilize Federal and State guidance for Best Management Practices for the reduction of lead, copper, zinc, and polyaromatic hydrocarbons in storm water runoff for new retail gasoline outlets and refueling areas that replace existing tank systems under the MS4 designation criteria.

Status and Comments: Implemented as part of the Post Construction Ordinance

**Measurable Goal 6:** By June 2006, develop a policy that encourages the use of wetlands and swales to regulate the rate of stormwater flow to the MS4 conveyance.

Measurable Goal Revision: The Town will encourage the use of constructed wetlands and swales to regulate the rate of storm water flow to the MS4 conveyance on a case by case basis.

Status and Comments: Implemented as part of the Post Construction Ordinance.

**BMP 3: Annual personnel training.**

**Measurable Goal:** By November 2008, require annual training for personnel responsible for plan review, inspection, and enforcement.

Status and Comments: Refer to Section D, BMP 2 for training of personnel.

**BMP 4: Operational and maintenance plan for structural stormwater BMPs.**

**Measurable Goal:** By June 2006, require operation and maintenance plans for all structural stormwater BMPs. The plans will be reviewed every 5 years for adequacy, accuracy, and updated as necessary.

Status and Comments: The Town has implemented a requirement for all new development over 1 acre to submit a Post Construction Narrative for the operation and maintenance of all storm water structures installed as part of that development.

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

**BMP 1: Develop and implement a written Good Housekeeping Improvement Plan.**

**Measurable Goal:** By the end of 2007, examine current municipal operations and present findings to the governing authority to determine where additional pollution prevention activities, policies, training, or structural measures are needed.

Status and Comments: A Good Housekeeping Improvement Plan was completed in 2009 and is being implemented at all municipal facilities..

**BMP 2: Controls to minimize the discharge of pollutants from existing municipal, State, or Federal operational areas.**

**Measurable Goal 1:** By the end of 2007, the MS4 Area will document current maintenance activities, maintenance schedules, and long-term inspection procedures for BMPs to reduce floatables and other pollutants discharged from the storm sewer system.

Status and Comments: The Town has invested over \$13,000 in secondary containment structures and other equipment for all municipal facilities where pollutants are a threat to storm water runoff. The Town purchased a salt brine manufacturing system and direct applicator for road applications in early 2010 to reduce the use of road salt under certain winter conditions.

**Measurable Goal 2:** By the end of 2007, the MS4 Area will address controls for reducing or eliminating discharge of pollutants from operational areas, including roads, parking lots, maintenance and storage yards, and waste transfer stations.

Status and Comments: A Good Housekeeping Improvement Plan and a Good Housekeeping Standard Operating Procedures Plan were completed in 2009 and are being implemented by Town employees. In 2009, the Town purchased a new street sweeper in 2009 and dedicated a Street Dept. employee to sweeping streets for the remainder of the year.

**Measurable Goal 3:** By November 2008, develop a SOP for proper disposal of animal waste. Require minimal distance of 150 ft for canine parks to be sited away from a surface water body.

Status and Comments: No canine parks are located within the MS4 Area. However, if a park is created within the MS4 Area, an SOP will be drafted at that time.

**Measurable Goal 4:** By the end of 2007, the MS4 Area will document written procedures for the proper disposal of waste removed from MS4 conveyances and operational areas.

Status and Comments: A Good Housekeeping Standard Operating Procedures Plan was completed in 2009.

**Measurable Goal 5:** By May 2006, establish new snow disposal areas.

Status and Comments: Disposal of snow is at the designated location within Dogwood Park in the MS4 Area.

**Measurable Goal 6:** By the end of 2007, develop a SOP for spill prevention and cleanup during fueling procedures and use BMPs for vehicular maintenance.

Status and Comments: A Spill Response Plan for municipal operations has been completed.

**BMP 3: Pollution reduction and prevention from flood improvement projects.**

**Measurable Goal:** By May 2007, flood improvement projects will be evaluated for measures necessary to reduce and prevent surface water impacts.

Status and Comments: The Town will consider addressing each flood improvement project on a project by project basis.

**BMP 4: MS4 Area employee training sessions.**

**Measurable Goal:** By May 2007, appropriate MS4 employees will be trained with annual courses on hazardous waste disposal, vegetative waste handling, fertilizer and pesticide application, and function of implemented BMPs.

Status and Comments: Training of Town employees was held on November 6-7, 2008. Thirty-three employees were presented information on general good housekeeping practices. Training included watching the "Storm Watch-Municipal Storm Water Pollution Prevention" video produced by Excal Visual.

**BMP 5: Review current CSOOP and LTCP.**

**Measurable Goal:** Upon State approval of the LTCP, the LTCP will be reviewed to ensure consistency between the LTCP and this MCM.

Status and Comments: The LTCP is still in draft form and will be reviewed for consistencies upon State approval of the plan. The CSOOP has been reviewed.



g. **Other controls:**

The Town modified the design of a small detention pond constructed in 2008 at the northwest corner of Dogwood Park. The pond was necessary to manage storm water runoff from the parking lot expansion. Utilizing Storm Water Utility funds matched with a Lake Michigan Coastal Program small scale grant, the pond was redesigned as a constructed wetland. The new design included a meandering flow pattern where the water entering the wetland through the influent pipe would meander through the wetland, past earthen berms, around to the effluent pipe where the water would be deeper. An emergency overflow takes water to the far northeast side of the park to another larger dry bottom detention pond. Over 1,000 wetland plants, several shrubs and trees were planted to create the fauna necessary to establish a wetland ecosystem and to stabilize the bottom and berm slope soils. Educational signage is provided for the public to learn more about the constructed wetland.

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

**\*\*This list has been modified since the Storm Water Baseline Characterization Report Rule 13 Storm Water Quality Management Plan (Part B) was submitted in March 2009. Outfalls meeting the description for exempt outfalls found in 327 IAC 15-13-14(b)(3) have been removed.**

Little Calumet River - LC-189, LC-190, LC-202, LC-203, LC-204, LC-205, LC-206, LC-247, LC-248, LC-249, LC-250, LC-257, LC-258.

Sand Creek - SC-161, SC-162, SC-162a, SC-162b, SC-165, SC-167, SC-172, SC-175, SC-176, SC-178, SC-185, SC-188.

Coffee Creek - CC-1, CC-2, CC-3, CC-13, CC-15, CC-18, CC-23, CC-26, CC-27, CC-28, CC-31, CC-32, CC-33, CC-33a, CC-34, CC-34a, CC-34b, CC-34c, CC-34d, CC-35, CC-36, CC-37, CC-46, CC-48, CC-49, CC-50, CC-51, CC-54a, CC-54b, CC-54c, CC-54d, CC-54e, CC-54f, CC-54g, CC-60, CC-61, CC-61a, CC-62, CC-63, CC-64, CC-65, CC-68, CC-69, CC-70, CC-71a.

Pope O'Connor Ditch - POD-81, POD-86, POD-88, POD-93, POD-94, POD-107, POD-108, POD-119, POD-120a, POD-124, POD-125, POD-127, POD-128, POD-137, POD-141, POD-143, POD-144, POD-145, POD-150, POD-151, POD-152, POD-154, POD-155, POD-156, POD-157, POD-158, POD-159, POD-262.

Swanson-Laporte Ditch - SL-259

Peterson Ditch - PD-191, PD-195, PD-196, PD-200.

Gustafson Ditch - GD-238, GD-239, GD-241, GD-243, GD-244, GD-245, GD-251, GD-252, GD-260.

Salt Creek Tributary - AB-207, AB-208.

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):

- i. Number or percentage of citizens that have an awareness of stormwater quality issues

Based upon the 2007 Chesterton Water Quality Survey 84 percent of respondents have some level of knowledge of the quality of water in lakes, rivers and streams; 45 percent know that their activities affects water quality; only 25 percent know that storm water does not get treated prior to release to a receiving water.

- ii. Number and description of meetings, training sessions, and events conducted to involve citizens

The Storm Water Management Board monthly meetings are open to the public. Trainings: 2 rainbarrel workshops (covering operation and maintenance); Events: 5<sup>th</sup> grade student water quality event at Westchester Intermediate School; 3<sup>rd</sup> grade student water quality event at Liberty Elementary School; Homeschool student water quality event at Coffee Creek Watershed Conservancy; Hoosier Riverwatch event in Chesterton High School Club SAFE at Coffee Creek Watershed Conservancy; water quality education for two Cub Scout and one Girl Scout troops; Watersheds and Nonpoint Source Education Unit (2008, 2009, 2010) at Chesterton Middle School; Storm drain stenciling; watershed sign design contest in 2009; logo design effort with Chesterton High School art students; wetland planting day at Dogwood Park; See Appendix A for the Northwest Indiana MS4 Community Partnership – 2008 Annual Report from the NIRPC.

- iii. Number or percentage of citizens that participate in stormwater quality improvement projects - 246

- iv. Number and location of storm drains marked or cast

Several new subdivisions, as well as new catch basins installed throughout Town have the pre-stamped castings on storm water inlets. Storm Drain Stenciling 2009 - 11

- v. Estimated linear feet or percentage of MS4 conveyances mapped - 96%

- vi. Number and location of MS4 area outfalls mapped

Coffee Creek, 45; Pope O'Connor Ditch, 28; Sand Creek, 12; Peterson Ditch, 4; Gustafson Ditch, 10; Salt Creek Tributary, 2; Little Calumet River, 13; Swanson Lamporte Ditch, 1.

- vii. Number and location of MS4 area outfalls screened for illicit discharges

One (AB-217)-Salt Creek Tributary. All outfalls were visually screened when they were found and mapped.

- viii. Number and location of illicit discharges detected - Zero

- ix. Number and location of illicit discharges eliminated - Zero

- x. Number of, and amount of material collected from, HHW collections

See the Joint Stormwater MS4 Program – 2008 Annual Report from the NIRPC.

- xi. Number and location of citizen drop-off centers for automotive fluids

Two – Advanced Auto at 801 Indian Boundary Road, Porter County HHW collection location(s).

- xii. Number or percentage of citizens that participate in HHW collections

See the Joint Stormwater MS4 Program – 2008 Annual Report from the NIRPC.

- xiii. Number of construction sites permitted for stormwater quality - Ten

- xiv. Number of construction sites inspected - Ten

- xv. Number and type of enforcement actions taken against construction site operators

6-Verbal Notices; 7-Notices of Violation; 28-Code Enforcement Fines; 1-Stop Work Order; 1-Administrative Hearing; and 1-Administrative Fine.

- xvi. Number of public informational requests received related to construction sites - Three

- xvii. Number, type, and location of structural BMPs installed

(1) detention pond and (1) swale with check dams, St. Patrick's Church; (1) triple basin, Indian Boundary Plaza; (2) swales, Medical Office Building; (1) level spreader and (2) detention ponds, Village Green Townhomes; (3) swales and (1) triple basin, CVS Pharmacy; (1) detention pond, Duneland Trails; (1) constructed wetland, Dogwood Park; (1) rain garden; Lois Lane (CMS student project).

- xviii. Number, type, and location of structural BMPs inspected – see item xvii.
  
- xix. Number, type, and location of structural BMPs maintained, or improved  
 (1) detention pond, Dogwood Park; (1) detention pond, Beverly Drive; (1) detention pond, Olde Town;
  
- xx. Type and location of nonstructural BMPs utilized  
 Silt fence, construction entrances, inlet protection (Blocksum Filters, inlet baskets and bags), straw bales, vegetated filter strip, riprap, check dams, temporary and permanent diversion berms, sediment traps/basins, straw erosion control blankets, turf reinforcement mat, tackified mulch, mulch rolls, fiber rolls, straw rolls, temporary slope drains, PAM (polyacrylamide) product, concrete washouts, street sweeping, solid waste management, seeding, sod, natural vegetation preservation, riprap, grass lined channel, storm water wetland, rain barrels, triple basins, underground detention facility.
  
- xxi. Estimated acreage or square footage of open space preserved and mapped  
 1,887 acres or approximately 31% (2010 Town of Chesterton Comprehensive Plan)
  
- xxii. Estimated acreage or square footage of mapped pervious and impervious surfaces  
 Impervious surface maps are currently being updated using 2010 aerial photography. Current commercial estimates are 17,706,732 square feet (407 acres). Residential estimates are based on the Equivalent Residential Unit of 3,585 square feet multiplied by 4,252 residential units for a total of 15,243,420 (350 acres). The updated mapping will provide more accurate estimations when completed.
  
- xxiii. Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs  
 One at Gateway Boulevard
  
- xxiv. Number and location of entity facilities that have containment for accidental releases  
 Total 6 locations: Chesterton Utility Collections, 116 15<sup>th</sup> Street; Waste Water Treatment Plant, 300 League Lane, Porter; Street Department, Grant Street; Parks Department, 23<sup>rd</sup> Street; Police Department, 702 Broadway; Fire Department, 726 Broadway.
  
- xxv. Estimated acreage or square footage and location where pesticides, herbicides and fertilizers are applied by the entity  
 Minimal application of weed killer was used on downtown sidewalks by the Street Department.
  
- xxvi. Estimated linear feet or percentage and location of unvegetated swales and ditches that have an adequately sized vegetated filter strip  
 Zero
  
- xxvii. Estimated linear feet or percentage and location of MS4 conveyances cleaned or repaired  
 174 miles of street swept; 2,600 linear feet of storm sewer cleaned via Vactor truck at various locations. 46 catch basins repaired for leaks. Replaced 4 culverts for a total of 120 feet. The Street Department inspects catch basins within Town and clears debris as needed, many were checked and cleaned on several occasions throughout the year.
  
- xxviii. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized  
 ¼ mile ditch and 300 feet of swale at Dogwood Park; 300 feet on Duneland Prairie Trail; 1,315 feet of ditch behind 25<sup>th</sup> Place; 930 feet along 1050N and 100E
  
- xxix. Number and location of stormwater outfall areas remediated from scouring conditions  
 Zero
  
- xxx. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize stormwater exposure  
 De-icing salt: (1) Street Department, Grant Street; Baseball field sand: (1) Parks Department, 23<sup>rd</sup> Street.
  
- xxxi. Estimated amount, in tons, of salt and sand used for snow and ice control  
 2008-2,338.5; 2009-1,481.5; 2010-1,302.50 Total-5,123 tons (Salt Brine applicator purchased at the end of winter 2010)
  
- xxxii. Estimated amount of material collected from catch basin, trash rack, or other structural BMP cleaning  
 2008-35; 2009-67; 2010-21 Total-123 cubic yards
  
- xxxiii. Estimated amount of material collected from street sweeping  
 2008-200; 2009-342; 2010-177 Total-719 cubic yards
  
- xxxiv. Number or percentage and location of canine parks sited at least 150 feet away from a surface water body  
 NA
  
- xxxv. Other (Miscellaneous debris) (2010 amounts are January 1 to June 30)  
 Grass clippings - 2008-860 yards; 2009-726 yards; 2010-71 yards. Wood Chips - 2008-1,047 yards; 2009-1,313 yards; 2010-153 yards. Brush – 2008-1,113 yards; 2009-877 yards; 2010-157 yards. Leaves – 2008-5,051 yards; 2009-7,403 yards; 2010-390 yards.  
 An F2 tornado hit Chesterton on August 19, 2009 causing substantial damage to buildings and trees. The following tree and brush debris was generated and hauled to the compost facility following clean up: 330 yards woodchips, 1,377 yards of brush.

**PART D: MISCELLANEOUS INFORMATION**

**12. On-Going Water Quality Characterization Activities**

a) Monitoring Data (submit summary of appropriate results):

b) Other:

**Per the IDEM Annual Report Submittal Guidance 2010 we do not need to respond to this question. This information is included in the Part B update.**

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

Problems encountered include non-compliance from developers and contractors for construction site erosion and sediment control as is evident in item 11xv.

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

A Storm Water Utility Fee was approved October 9, 2006 (Ordinance 2006-22) and the interim rate was charged until the end of December 2006. The Town began implementation of the new fee in January 2007.

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

Constructed wetland installation, Dogwood Park  
Detention pond improvements, Dogwood Park  
Detention pond improvements, Beverly Drive, as part of South Calumet improvement project Phase I  
Detention pond improvements, Olde Town

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

1. Tracking from non-MS4 construction site (Harris Bank) – turned over to Building Commissioner; road cleaned, stone added to entrance.
2. Tracking from construction site (Village Green) – road cleaned after notification to developer and builder.
3. Sediment on road following storm event (Abercrombie Woods) – road cleaned and silt fencing re-installed after notification to builder.
4. Concern for Coffee Creek/proximity of new development (Village Green) – Talked with concerned citizen regarding distance of development to creek.
5. Outside storage of 55-gallon drums (Broadway Mobil) – followed up with company hired to monitor ground water quality. They stated water is stored in drums and not hazardous.
6. Concern over concrete truck washout (Residence in Coffee Creek Center) – spoke with builder, washout not done into storm drain.
7. Concrete washout (Shear Concrete) – company fined for washing out concrete chute near storm water inlet without proper equipment.
8. Direct discharge to storm drain (Mel's Detail) – owner fined
9. Grease Trap Overflow (KFC) – Fire Dept. responded with cleanup
10. Passenger vehicle fuel tank leak (McDonald's) – Fire Dept. responded with cleanup-no discharge to nearby lake.
11. Illegal dumping of floor wax stripping liquid (Kmart) – called in Porter County Emergency Services and IDEM – liquids released to detention basin. Worked with store manager on proper disposal of liquid, educated store manager on hazardous nature of liquid. Fined store.
12. Illegal dumping of basin clean out (H2O Industrial Services) – Fined company.
13. Accidental Hazardous Materials Spill (Dres Well Cleaners) – Respondents: Fire Dept., Street Dept, MS4 Dept, Porter County Emergency Services. Active containment and cleanup of street. Did not reach Coffee Creek.
14. Crawl space water pumped to storm drain from residence – ceased this activity and moved pumping to sanitary sewer.
15. Complaint from resident about two neighbor homeowners – one excessively feeding geese and one dumping grass clippings in curb – referred to Code Enforcement Officer.

**17. Implementation status:**

- a. Are the six minimum control measures being implemented within the compliance schedule and SWQMP timetables?

Yes  No\*

\* If no, explain:

**Per the IDEM Annual Report Submittal Guidance 2010 we do not need to respond to this question. This information is provided in the Part C update.**

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

Yes  No\*

\* If yes, explain:

**Per the IDEM Annual Report Submittal Guidance 2010 we do not need to respond to this question. This information is provided in the Part C update.**

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

Yes  No\*

\* if no, explain:

**Per the IDEM Annual Report Submittal Guidance 2010 we do not need to respond to this question. This information is provided in the Part C update.**

**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:**     Jennifer Gadzala    

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_  
*(mm/dd/year)*