



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, Rm 1255
P.O. Box 6015
Indianapolis, IN 46206-6015
Phone: (317) 234-1601 or
(800) 451-6027, ext. 41601 (within Indiana)

Web Access:
<http://www.in.gov/idem/water/npdes/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 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: Rick Brown
(MS4 Coordinator)

2. Permit Number: INR 0 4 0 107

3. Mailing Address
Street Address: 100 Legacy Plaza West

City
 Town

Of: LaPorte

Zip: 46350

County: LaPorte

PART B: GENERAL INFORMATION – CONTACT PERSON

4. Contact Person Name (please print): Rick Brown

5. Contact Person Title: MS4 Coordinator

6. Phone Number: 219-362-6633 Ext. 3

7. Facsimile Number (if applicable): 219-324-8317

8. E-mail Address (if applicable): rbrown@laportecounty.org or carb5651@yahoo.com

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: This Minimum Control Measure is the only MCM of the six that is implemented on a county wide basis.

Activity – BMP Completed	Measurable Goal	Schedule – Date Completed
Classroom Education on Storm Water	Education is accomplished through a variety of positions and organizations such as; County Education Coordinator, MS4 Coordinator, Municipal Wastewater Treatment Plant's staff, LaPorte County Solid Waste District, & LaPorte County Purdue Extension.	Please see the education numbers attachment for 2007. All other education is conducted on an as needed basis. Additional avenues for education are continuously being explored. MS4 Coordinator and Ed. Coordinator for the local SWCD to investigate co-op education opportunities for the future.
Teacher Education and Training on Storm Water	Train local educators on storm water and water resource conservation issues. Additional school presentations will continue in 2008	Local educators are trained through quarterly newsletters, emails, SWCD website, SWD website, & the Purdue Extension website. The MS4 Coordinator will explore additional avenues in upcoming years.
Event Participation with Displays and Outreach Materials	Information Distributed: Hydrologic cycle, Water quality, Soil Erosion, Soils management, Recycling, Composting, Hazardous material identification & management. Additional topics will be covered in greater detail in upcoming years.	LaPorte County Fair (7 Days) SWCD display rack (year round) SWD display rack (year round) Purdue Extension display rack (year round) Requesting on-site displays to be designed into the New SWCD County Building, estimated completion by year end-2008 (eg. Rain Garden & Rain Barrels)
Storm Water Education Materials Distribution to Homeowners	The MS4 Coordinator will compile brochures that can be distributed to homeowners at house closings & at door to door visits. The media will also be a valuable resource regarding outreach & education. (2008 implementation expected)	Upcoming years. Brochure topics will include: rain gardens, downspout disconnection, water conservation, fertilizer usage, septic system upkeep, etc. (Good housekeeping brochures--approx 460 ea-were handed out during fair week)
Low Impact Development and Conservation Design	Training for developers & SWPPP plan preparers. Guidance document hand-outs started in 2007—available thru MS4 office, and SWCD.	Most SWPPP reviews contain a sustainable development attachment. Also, most county planning officials have been educated on the importance of sustainable development. As a member of the county plat committee, I encourage this type of development. Overall, feedback has been positive.
Regional Assessment of the MS4 constituents knowledge about storm water and pollution prevention practices will be conducted	Measure progress in constituent awareness Trail Creek Watershed – surveys to be done in spring of 2008, evaluations to be completed to gather public knowledge of watershed issues & public awareness---prior to doing a entire County survey.	Written stormwater surveys distributed with water billings have started. Mail returns have been evaluated & results posted on the 2006 Annual report. The Town of Trail Creek is the only entity which mailings have been sent out to. All other MS4 entities will be targeted in 2008. Urban hotspot areas will be targeted and surveyed in upcoming years. (See attached survey sample-900ea. sent out with 53 responses)—(in 2006 Annual report! -5.9% response)
Regional Training for MS4 Staff	Annual Erosion Control Training	Purdue Watershed Academy –Graduation-2007. (MS4 Coordinator attended) INDOT-Training—road const-erosion techniques.(Feb) Hamilton County-Contractors workshop—6 hours training for 327-IAC 15-5 & 13 compliance(March) SWPPP's, Trees, & BMP's workshop-erosion(March) Construction Site Pollution Prevention workshop—Porter-County Soil & Water—for 327 IAC 15-5(March)-IDEM ILMS,-2-day workshop(MS4-Issues)-(March) Watershed Networking-(July)—IASWCD-Sponsor-(July)-IDEM Rain-Garden Seminar-IDEM—(June) Drainage 101, Farm Bureau Sponsored—Legal Drain issues(August) Project Design/Evaluation Workshop—Sponsored by NOAA, DNR—Improve success in projects.(June) IDEM-Watershed Networking (July) Construction/Erosion Technical Training—IDEM sponsored, and NIRPC sponsored (Nov)

B. Public Involvement and Participation:

Activity – BMP Completed	Measurable Goal	Schedule – Date Completed
Hold Public input on existing MS4 Program, and future events.	Opportunities for citizens to discuss their viewpoint and have input into the outreach and education process.	Monthly town and city meetings are opportunities for the public to comment on the MS4 program. Also, as a member of the Trail Creek watershed plan, public meetings were held in 2007-. With New Ordinances now in-place, there is/was a public opportunity for input and involvement within the remonstrations process.
Develop Community Volunteer Leaders	Increase the number of community volunteer groups	Volunteers are currently being pursued for storm drain marking. Volunteers may also be needed in the future for projects such as environmental clean ups, which is being considered as part of the revised Trail Creek Watershed Plan. Volunteer leaders are being identified. Stakeholders are being considered as to involvement for future watershed plans as well.
Coordinate Meetings	Work with MS4 Staff, other MS4 communities, SWCD staff, SWD staff, Purdue Extension, highway staff, parks staff, & county officials and stakeholders to coordinate meetings with IDEM, EPA, NIRPC, & Save the Dunes Foundation	Upcoming years. 2008: Informal coordination only. The MS4 Coordinator forwards announcements on to all relevant individuals. The MS4 Coordinator regularly attends-Drainage Board Meetings, sits on the County Plat Committee. MS4 Coordinator is a member of the LaPorte Lakes Association & Indiana Lakes Management Society.

C. Illicit Discharge Detection and Elimination:

BMP Update:

1. Failing Septic Systems

The LaPorte County Health Department requires property owners with failing septic systems to either connect to a public sewer or repair/replace the failing system. Indiana State law requires that all systems be inspected at least once every 3 years. The MS4 Coordinator will work with individual property owners that live in and around sensitive areas, such as local Lake Associations, educating individuals on the importance of septic system maintenance. Historically problematic areas will also be targeted as part of this outreach. The MS4 Coordinator and Health Dept. officials have developed a brochure that is handed out to all new homeowner's and a general public handout on "Your Septic System" as public education. Also, have implemented a procedure of requesting soil-samples for all developments to assist with SWPPP, and understanding soils limitations prior to being able to procure a building permit---effective 2007, to help limit septic failures. (See brochure in appendix)

2. Develop a Storm Sewer Map

The LaPorte County MS4s have been working very diligently to update their storm sewer system maps for storm sewers with a pipe diameter of 12-inches and larger and open ditches with a 2-foot or larger bottom width. All maps are roughly 90% complete.

The LaPorte County MS4s are moving forward with inspecting and locating all known outfall conveyance systems with a pipe diameter of 12-inches or larger and open ditches with a 2-foot or larger bottom width. All known Trail Creek (town) outfalls have been mapped. Long Beach (town) does not have storm sewers equal to or greater than 12". The City of LaPorte has mapped the majority of known outfalls. Michigan City is currently working on mapping all outfalls. Urbanized Area mapping to be completed in the spring of 2008.

LaPorte Sanitary District has purchased New equipment for additional GIS mapping-(Triable 90HX GPS and associated software)—Including a smoke blower to investigate potential inlets/pipe breakage, illicit connections,—purchased in 2007.

3. Adopt an Illicit Discharge Ordinance

All required 327 IAC 15-13 Ordinances are now in effect – IDEM required Minimum Control Measure MS4 Certification obtained in June, 07. State form #51276—per 327 IAC 15-13-15(e) – new construction projects being recorded/tracked.

4. Screen, Detect and Eliminate Illicit Connections

The Cities of LaPorte & Michigan City have programs in place for the cleaning and televising of all sewer systems. The majority of televising takes place on combined sewers and sanitary sewers, but storm sewers are also televised, cleaned, and repaired (as needed). Michigan City purchased equipment to perform these duties with their own personnel who clean and televise thousands of feet of sewer each year. The cleaning/televising personnel prepare reports tracking the lineal feet of sewer cleaned and inspected annually. Potential illicit discharge areas are documented for further inspection.

The LaPorte County MS4s will screen storm sewer outfalls during dry weather conditions in upcoming years. GPS waypoints have been taken for the majority of storm sewer outfalls (excluding Michigan City). LaPorte City did locate and eliminate 3 Illicit connections in 2006, and further investigations to continue with the smoke-blower purchase in 2007-see item #2.

5. Industrial/Business Connections

The MS4 Coordinator will be developing a survey to send to businesses and industries regarding NPDES permitted connections located within the cities of LaPorte. The survey will be evaluated in early 2008, and will be used to identify businesses that may require further inspection. Assistance and coordination of the LaPorte Sanitary District as a Stakeholder partner, also. Note—NPDES Permit violations thru LaPorte Sanitary District in 2007=NONE!

6. Illegal Dumping

During storm sewer outfall mapping, the MS4 Coordinator identified several wetland locations which have been mistaken for dump sites. Also, during a windshield survey of the Trail Creek watershed, several dump sites were documented. Environmental clean up days are a consideration, in which the LaPorte MS4s hope to partner with the City of LaPorte Parks Department, Michigan City Parks Department, LaPorte County Parks Department, and the LaPorte County Solid Waste District. Signage may also be posted at these problematic areas. Stormwater ponds are also commonly mistaken for dump sites. Yard wastes are the most common form of pollution found in these areas. The MS4 Coordinator has, and will continue working with project site owners to educate private land owners on proper disposal of yard wastes, and standard Good Housekeeping items. (Brochures are available at the general office of the MS4 Coordinator)

7. Reduce/Prevent Sanitary Sewer Overflows

Within the next few years, Michigan City WWTP will have eliminated all combined sewer overflows. Approximately 90% of all sewer systems are separated. The City of LaPorte has several sewer separation projects in the construction phase, which are to take place in 2007/2008-(3 projects are presently underway),(1)Lagoon holding capacity in being increased to lower potential overflows into Travis Ditch. (2)18th Street extension to local fairground-separation.(3) Monroe Street separation.

8. Household Hazardous Waste Collection

8. Household Hazardous Waste Collection

The LaPorte County SWCD & the MS4 Coordinator have and will continue promoting the LaPorte County Household Hazardous Waste (HHW) Program. A list of upcoming collection sites, dates, & locations is posted at the SWCD in case of public inquiries. (See attached schedule copy)—Including the “Pill Drop Program”—to collect unused/expired pills so as to decrease the potential disposal into a sanitary system. – (See appendix for schedules, dates, & quantities.)

Local Sanitary Departments/Districts: - Improvements

Note:

LaPorte City Sanitary District had five rain events in 2007 that caused overflows. However, due to recent processes and stormwater lagoon capacity improvements--control implementations--overflows were kept to a minimum, and if the project as mentioned in item “C”-BMP update #7—was completed(Still under construction), quite certain based on volume, perhaps no overflows would have occurred at all!

Michigan City WWTP had recorded 3 overflows in 2007----However, due to overflow treatment facilities-in place, no polluted stormwater was introduced in Trail Creek, or Lake Michigan. – None!

D. Construction Site Storm Water Run-off Control:

BMP Update:

1. Develop a Structural BMP Program

The LaPorte County MS4s have developed a list of structural BMPs that they feel are appropriate for the control of construction site run-off, directly coinciding with the “Indiana Storm Water Quality Manual” for Developing Areas” – CD. We intend to expand the program over the next year to include other information as more data becomes available and implementation of new approved BMP’s are available. As listed in “Characterization and Report B”-(Tables 1 thru 5)

2. Construction Site Erosion Control Ordinance

The LaPorte County MS4s have passed all required ordinances, for the Construction Site Erosion and Sediment Control Ordinance, and Post Construction, as required by 327 IAC 15-13 for their respective areas. Implementation of these ordinances were started in 3rd quarter of 2007. The “Indiana Storm Water Quality Manual”-is referenced in ordinance as to this guidance.

3. Construction Review Procedure

The construction review procedure is incorporated in the new Construction Site Erosion and Sediment Control Ordinance(s). The MS4 Coordinator will review Stormwater Pollution Prevention Plans for all 5 of the MS4 areas. In addition to the coordinator’s Rule 13 duties, the coordinator currently reviews all Rule 5 SWPPPs for the SWCD. A fee of \$ 100.00 per plan review was passed by the LaPorte County County Council.-effective 2008! (See appendix – item #7.)

4. Construction Site Inspection and Maintenance

The procedure for construction site inspection and maintenance is incorporated in the new Construction Site Erosion and Sediment Control Ordinance. The MS4 Coordinator is responsible for all initial, routine, follow-up, and complaint site inspections. Enforcement actions would come through each of the MS4 entity representatives, in a progressive style of discipline format. (39ea. 1-acre or more, SWPPP Plans reviewed, & 81ea. documented field evaluations completed in 2007)

5. Plan Reviewer and Site Inspector Training

The LaPorte County MS4s utilize the MS4 Coordinator for all plan reviews and site inspections located within each MS4 area. The MS4 Coordinator has also assumed all RULE 5 duties for the LaPorte SWCD. An intergovernmental partnership agreement has been finalized between the MS4 Committee and the LaPorte SWCD board. Rick Brown, MS4 Coordinator is/has received on the job training from Mr. Douglas Wolf, Northwest Stormwater Specialists. With additional Inspection training sessions in 2007, that qualifies for Rule 13 requirements. The LaPorte County MS4s will continue to pursue training for all personnel in upcoming years. (See attached Intergovernmental Agreement-signed by MS4’s) – (See appendix item #1)

6. Construction Site Waste Management

Construction site waste management procedures are incorporated in the draft Construction Site Erosion and Sediment Control Ordinance. Common wastes include concrete/asphalt remnants & washout areas, petroleum products from fueling & staging areas, and other miscellaneous hazardous materials utilized during construction. All ordinances have been passed by June 15, 2007.

E. Postconstruction Storm Water Management in New Development and Redevelopment:

BMP Update:

1. Develop a Structural BMP Program

The LaPorte County MS4s have developed a list of structural BMPs that they feel are appropriate for the control of post-construction site run-off, almost directly coinciding with the "Indiana Storm Water Quality Manual" Handbook for Developing Areas"- CD. We intend to expand the program over the next few years to include additional information as more data/experience with BMP's becomes available & new products evolve.

2. Post-Construction Storm Water Run-off Control Ordinance

The LaPorte County MS4s have passed ordinances for Post-Construction Storm Water Run-off Control Ordinances. All post construction ordinances are in place, implementation began in 3rd quarter of 2007. Reference to the new "Indiana Storm Water Quality Manual" is made. Treatment Train items will be followed as recommended as well.

3. BMP Inspection and Maintenance

The procedure for BMP inspection and maintenance is incorporated in the new Post-Construction Storm Water Run-off Control Ordinance(s). Also, required in section "C" of an adequate "SWPPP", and maintenance schedule. Furthermore, a Transfer of Responsibility from contractor to owner is required prior to a Notice of Termination so the owner has a certain responsibility to maintain BMP's that are in-place.

4. Plan Reviewer and Site Inspector Training

The LaPorte County MS4s utilize the MS4 Coordinator for all plan reviews and site inspections located within each MS4 area. The MS4 Coordinator has also assumed all RULE 5 duties for the LaPorte SWCD. An intergovernmental partnership agreement has been finalized between the MS4 Committee and the LaPorte SWCD board. Rick Brown, new MS4 Coordinator, has had continued training, including on-the-job, as well as attending Erosion seminars by NIRPC, IDEM and others, including the Purdue Watershed Academy Program. Training to be continued throughout career. The LaPorte County MS4s will continue to pursue training for all personnel in 2008, as well.

5. Zoning Ordinance Review

The MS4 Coordinator will work with the LaPorte County planner & the Building Commission in an effort to target areas for development that will result in as little environmental degradation as possible. Prime farmland is currently high on the priority list here in the county. Development is most common in the northern part of LaPorte County, where prime farmland is scarce. Wetlands are common in this region of the county. Impacts, however, are expected to be minimal, as sustainable development is becoming more common. SWCD sponsored "Cost of Community Services", study has recently been completed, (first one in Indiana); to help in development considerations/decisions.

6. Infrastructure Planning

The LaPorte County MS4s will continue to incorporate storm water quality controls in their infrastructure planning process. Storm water quantity and quality are an integral part of all infrastructure planning. Also, the MS4 Coordinator is a member of the LaPorte County Plat Committee, to be able to evaluate early development design, soil characteristics, land value concerns.

APPENDIX OF ATTACHMENTS:

- 1) Intergovernmental Partnership Agreement (IPA) – Note: 2006 carried over(as shown), due to new draft being developed to accurately reflect County budget & MS4 Coordinator responsibilities—to be completed in 1st quarter of 2008.
(between MS4's and LaPorte County SWCD)
- 2) County Education Numbers----(student and adult outreach)
- 3) Copy of IDEM Minimum Control Certification---dated June 15, 2007
- 4) LaPorte County—Solid Waste District pick-up(s), locations and Pill Drop schedules.
- 5) Solid Waste District quantities and named materials picked up. (Schedule)
- 6) MS4's quantities of Good Housekeeping maintenance-(amount of collections)-Solid Waste District.
- 7) Copy of LaPorte County Council—Creation of a MS4 Fund---Plan Review fee's-(December 17, 2007)
- 8) Copy of Outreach, “New Ordinance(s)”—presentation to LaPorte County Builders Association
- 9) Trail-Creek Clean-Up - Press Release. –Public Involvement!
- 10) LaPorte County Health Department Brochure – “Your Septic System”-Public Education/Outreach Brochure.
- 11) LaPorte County Fair—Public Education/Good Housekeeping Brochure Handouts.
- 12) Copy of Trail-Creek's Watershed Plan—“Tale of Two Creeks”
- 13) LaPorte County Health Department---2006 vs 2007 septic system installs, permits, & Failures.
(2007 yr.-end quantities)
- 14) LaPorte & Michigan City Sanitary Departments---year end reports & other entity quantities.
- 15) LaPorte County Coordinator Rule 13 – 6 hour training requirements.

F. Pollution Prevention and Good Housekeeping for Municipal Operations:

BMP Update:

1. Automobile Maintenance

The LaPorte County MS4s have evaluated their current automotive maintenance practices at their fleet maintenance facilities and have determined that their current practices minimize the impacts to storm water. This will continue to be reviewed and made a priority with all maintenance personnel.

2. Catch Basin Cleaning

The LaPorte County MS4s have implemented programs to regularly inspect and clean catch basins (as needed). Maintenance demands come externally by means of public complaints/reports, & internally by means of staff inspecting and locating problematic areas.

3. Landscaping, Lawn Care Practices and Pest Control

The LaPorte County MS4s have reviewed their practices regarding landscaping and lawn care for maintenance operations in an effort to reduce the amount of pollutants that enter storm water run-off from potentially hazardous materials. High priority areas such as golf courses and parks will be targeted with outreach materials in upcoming years. The MS4 Coordinator will also work with developers in an effort to educate private land owners on all of these issues.

4. Litter and Debris Control

The LaPorte County MS4s have reviewed their procedures to minimize litter and debris at public facilities and municipal operations, and will continue to assess the impact of their operations in upcoming years.

5. Materials Management

The LaPorte County MS4s have reviewed their materials management procedures to minimize impacts to storm water quality. The LaPorte County Solid Waste District has a multitude of exceptional programs in place; recycling county wide, composting, household hazardous waste collections, tire and white goods collections, sharps collections, Christmas tree drop off, & marine shrink wrap collection (among others). (see appendix item #5, sheets for quantities collected as good housekeeping operations)

6. Street Sweeping Program

The LaPorte County MS4s have reviewed their street and parking lot cleaning practices in an effort to reduce the amount of materials entering receiving waters. Street sweeping techniques & machinery differ from entity to entity. Parking lot cleaning practices will be a focal point of the program in upcoming years, in which hotspot areas such as gas stations will be targeted with outreach materials (see appendix item #6, sheets of good housekeeping street cleaning and leaf clean up etc.)

7. Winter Road Management Practices

The LaPorte County MS4s have evaluated their current road management procedures in order to minimize the amount of pollutants and sediment that could enter all receiving waters. Practices differ from entity to entity, in which a combination of sand, salt, and beet oils are utilized. Note: Storm event cleaning such as brush, limbs, miscl. Rubbish included-appendix item #6.

8. Pet Waste Management

The LaPorte County MS4s have reviewed their pet waste management procedures and will continue to employ methods to encourage citizens and visitors to clean-up after their pets. Signage is present at the majority of parks throughout the county educating the public on the importance of proper pet waste disposal. (see appendix item #6 sheets, Waste management good housekeeping operations)

9. Storm Drain System Cleaning and Maintenance ***

The LaPorte County MS4s have developed and implemented programs to regularly maintain all sewer systems to remove accumulated sediments, pollutants, & debris prior to entering any receiving waters/WWTPs. This maintenance is conducted on an as needed basis.(LaPorte City, Long Beach, Trail Creek, & Michigan City totals)--- (see attached sheets for details of good housekeeping operations)

10. Flood Management

The LaPorte County MS4s are evaluating all new flood management projects to assess their impact on storm water quality & quantity. Michigan City: Earl Flood Control Project. City of LaPorte: Teledyne Park Project & increased Lagoon Capacity..

11. Personnel Training

Personnel training was a focal point of 2007, with Public Education as a focal point with the hiring of a new SWCD Education Coordinator. The LaPorte County MS4s intend to provide staff training on an as needed basis.

G. Other controls:

The following items address IDEM comments from the checklist for Part C review, that was included with the Notice of Sufficiency, that are now discussed elsewhere in this Annual Report: (carry over & update to the 2005' report)-included in the 2006 Report, updated in this 2007 Report.

- 4.(c) Please refer to the "IDEM ordinance implementation schedule-certification " letter dated June 15,2007; addressed to the MS4 Coordinator, and Operator.
- 4.(e) The MS4 boundary includes Sections of a municipal areas between LaPorte & Michigan City. The boundary is shown in Figure 1 of the Part C submittal. ("Urbanized Area")
- 4.(k)(iv) All required ordinances have been passed/adopted, Certification obtained June 15, 2007.
- 4.(l)(xxi) Please refer to item # 11 (xxi)
- 4.(l)(xxi) Equipment has been procured and most mapping(90%) has been done-from 2005 thru 2007. Final mapping to begin in spring of 2008—with completion of the Urbanized Area. Approx. 10% of Michigan City & LaPorte entities to be completed in 2008—as well.
- 8. (d) Factories & Industries will be surveyed in 2008 to determine NPDES permitted discharge locations. LaPorte County Health Dept. to continue outreach as to importance of septic system maintenance.
- 9.(e) The MS4 Coordinator will conduct all stormwater pollution prevention plan reviews. The Form 1-style checklist as developed by DNR being used for reviews.
- 10.(a)(vi) The MS4 Coordinator will work with the County Planner & Building Commission in an effort to minimize impact development away from sensitive areas, as well as Platt Committee & County Health Department.
- 11.(a) Sewer systems & catch basin cleaning are inspected, cleaned, and repaired on a as needed basis throughout all of the MS4 areas----)see appendix item #6 sheets as to quantities of maintenance, preformed in 2007'.

Additional Explanations:

The first two MCM's are not mirror images of the Part C submittal. The original Part "C" submitted was very basic and left out some BMP's. Additional BMP's that have been part of the program were included in the 2005 report. The second reason is that with 5 different entities, there are slight differences between them. The MS4 Coordinator has attempted to include all maintenance/outreach numbers available for review. (see attached sheets). The Coordinator is also exploring a way to distinguish locations that fall within the municipal section between Michigan City & LaPorte via LaPorte County GIS addressing for Rule 13/Rule 5 areas—it is going to be possible and should be implemented by early 2008, in coordination with Plan Review Fee's".

Appendix of Attachments:

- 1- Intergovernmental Partnership Agreement (IPA), between MS4's and the LaPorte County SWCD-& responsibilities.
- 2- County Education numbers 2007'.
- 3- Copy of IDEM Minimum Control Certification – dated June 15, 2007.
- 4- LaPorte County—Soils Waste District pick up(s) locations and Pill Drop Schedules.
- 5- Solid Waste District pick up materials & quantities for 2007'.
- 6- MS4's quantities of Good housekeeping maintenance-(amount of collections)-Solid Waste District.
- 7- Copy of LaPorte County Council-Creation of MS4 Fund—Plan Review Fee's, December 17th, 2007.
- 8- Copy of Outreach New Ordinance(s)-presentation to LaPorte County Home Builders Association.
- 9- Trail-Creek Clean-up—Press Release.
- 10- LaPorte County Health Department – "Your Septic System"—Public Education & Outreach Brochure.
- 11- LaPorte County Fair—Public Education/Good Housekeeping Brochure Handouts.
- 12- Copy of cover page—Trail Creek Watershed Plan-"Tale of Two Creeks"
- 13- LaPorte County Health Department-2006 vs 2007 septic system installs, permits, & failures.
(2007 yr.-end quantities)
- 14- Laporte & Michigan City Sanitary Departments year end reports, & other entity quantities.
- 15- LaPorte County MS4 Coordinator – Rile 13, 6 hours training requirement.

**10. List all receiving water(s) and corresponding outfall(s) not submitted in the original NOI letter (form):
(carry over form 2005 report)**

Stone Lake is a receiving water for the City of LaPorte that was not included in the original NOI submittal. A total of 2 known outfalls have been mapped for this waterway. As new projects take place, additional storm sewer outfalls may be constructed, in which mapping (GPS garmin waypoints) will take place soon after. Coordinated with local Sanitary Districts and included in future Annual reports as required.

The Michigan City Flood/ Stormwater Earl Road Project has also been noted, increasing stormwater capacity on the city's west side, with walkways and beautification to the area.

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 storm water quality issues

Stormwater surveys were evaluated by the MS4 Coordinator & the SWCD student assistant in early 2007. The Town of Trail Creek sent out surveys on January 9th, 2006. (results included in the 2006 Annual Report) All other entities will be sending these surveys out at future billing dates—yet to be determined—in early 2008. Stormwater surveys will also be distributed via the Revised Trail-Creek Watershed Plan in 2008. Survey answers will be posted on the web. Results will be evaluated accordingly, The SWCD website is presently under re-design and should be completed in early 2008. A copy of this 2007 Annual Report will be included on the web-site. Procedure requirements and stormwater SWPPP information in is the web-site presently-for public review & education—with contact personnel.

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

Town & City meetings are held monthly within each of the MS4 areas. Rick Brown, MS4 Coordinator has made himself available to discuss MS4 issues, and his role as the MS4 Coordinator in all 5 Entity areas.

ii. Number or percentage of citizens that participate in storm water quality improvement projects

Information and surveys to be evaluated by the MS4 Coordinator & the SWCD, with further coordination to begin again in 2008. After recap of the Trail Creek Surveys.

iii. Number and location of storm drains marked or cast

None. Storm drain stenciling is scheduled to begin in the Summer of 2008. All of the appropriate materials have been ordered, and volunteer groups are being pursued.

iv. Estimated linear feet or percentage of MS4 conveyances mapped

Roughly 95% of all conveyances have been mapped throughout the MS4 entities. Maps and conditions are always changing, and are being updated accordingly. Urbanized area to be mapped in spring of 2008.

v. Number and location of MS4 area outfalls mapped

The majority of known outfalls for the City of LaPorte and the Town of Trail Creek have been mapped (95%). Michigan City has the majority of outfall mapping completed in 2007. Town of Long Beach: N/A. Additional outfall mapping will take place as needed.

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

City of LaPorte: One storm sewer outfall (Greenleaf St outfall to Lake St. Wetland) has been identified as a potential for illicit discharge. A dye test & televising were conducted, which did not pinpoint any locations. Further testing will be conducted (as needed) in the future.

viii) Number and location of illicit discharges detected

Refer to item seven. Outfalls will be monitored & screened in upcoming years, predominantly during dry weather conditions.

ix) Number and location of illicit discharges eliminated

Three illicit connections were documented, and capped. Found during repairs in downtown areas-unknown origin, in 2007.

Number of, and amount of material collected from, HHW collections

Please refer to the LaPorte County Solid Waste District's numbers (IDEM submittal) for 2007. The LaPorte SWCD, MS4 Coordinator, and the LaPorte County SWD have a strong working relationship.

x) Number and location of citizen drop-off centers for automotive fluids

There are many businesses that recycle automotive fluids located in Michigan City (AutoZone, Tony's Service Center, Michiana Auto Repair LLC) and the City of LaPorte (AutoZone, Advance Auto Parts Inc, Auto Xpress). The LaPorte County Solid Waste District also accepts automobile fluids. (See Solid Waste Collection-appendix- item #5)

xi) Number or percentage of citizens that participate in HHW collections

Please refer to the LaPorte County Solid Waste District's numbers for 2007. The LaPorte SWCD & MS4 staff has a strong working relationship with the SWD which will continue to improve in the future.

xii) Number of construction sites permitted for storm water quality – The LaPorte County MS4s program reviewed 39 projects in 2007 with an acre of disturbance or more. Additionally, 81 ea. Individual documented on-site field evaluations completed.(inspected at least once)

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

None.—Educational emphasis is our primary importance at this early stage of our MS4 program.

xvi) Number of public informational requests received related to construction sites

Roughly 10 in 2007. – MS4 Coordinator handed out brochures and “SWPPP” guidance documents.

xvii) Number of complaints received within the permitting year

Roughly 8 complaints were received in 2007, , in which issues were addressed/solved without incident..

xviii) Number, type, and location of structural BMPs inspected

Several projects were inspected in 2007. On/off site sedimentation issues were identified and corrected in a timely manner. Catch basins etc, are inspected by the local Sanitary Districts.

xix) Number, type, and location of structural BMPs maintained, or improved *****

Michigan City: Approximately 2,989 tons of sediment from sewer cleaning & televised and repaired/cleaned (as needed). The majority of these areas were sanitary, but storm sewers were also maintained. Approximately 21 catch basins/inlets were inspected and cleaned as needed. City of LaPorte:24,840’ of combined sewers were cleaned in 2007; Catch basins were cleaned in conjunction with the sewers.See—(Re-Cap maintenance records of individual entity records)

xx) Type and location of nonstructural BMPs utilized *****

Street sweeping is utilized within all MS4 areas. Michigan City has (2) 2004 truck mounted Tennant Centurion vacuum assisted dry street sweepers which are PM-10 certified. These sweepers were active 51 weeks in 2007. Total collections were approximately 2,989 tons. The City of LaPorte utilizes 2 mechanical street sweepers. The 121 miles of roadways are swept 3 times annually. The Town of Long Beach utilizes a Johnston mechanical sweeper, which is used twice annually.

i. Estimated acreage or square footage of open space preserved and mapped

Please refer to Figures 1-5 of the “IDEM Rule 13 Part B Baseline Characterization and Report”.

ii. Estimated acreage or square footage of mapped pervious and impervious surfaces

Mapping of stormwater permit facilities has not yet begun, but will be completed no later than 2008. GPS waypoints will be recorded for each permit applicant (location), stating whether or not the project is active and what ranking (priority) each project has. At that time, square footage of pervious and impervious surfaces has begun with assistance of the County GIS Coordinator.

iii. Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs

None in 2007. Post construction ordinances will be helpful due to pre-treatment train. At least 2ea expected in 2008.

iv. Number and location of entity facilities that have containment for accidental releases

Surveys will be conducted in upcoming years to assess this issue.

v. Estimated acreage or square footage and location where pesticides, herbicides and fertilizers are applied by the entity

None at this time, have been completed.

vi. Estimated linear feet or percentage and location of unvegetated swales and ditches that have an adequately sized vegetated filter strip

Unknown at this time, working with County GIS-to obtain information.

None. Concrete gutters will be replaced with vegetated swales as deemed necessary, as long as velocity and shear stress factors are not problematic. Basic land characteristics are to be included as design considerations in lieu of one size fits all (curb & gutter)-situations. Done per variance presently, with Ordinance by end of 2008-expected.

vii. Estimated linear feet or percentage and location of MS4s cleaned or repaired *****

City of LaPorte: 24,840' of combined sewer cleaned. (see individual re-cap sheet)

viii. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized

None. Although shoulder work has probably taken place, the LaPorte MS4s have no tracking mechanism for this type of maintenance.

ix. Number and location of storm water outfall areas remediated from scouring conditions

A riprap chute was added to one outfall located within the City of LaPorte (Greenleaf St. discharge to the Lake St. Wetland). During storm sewer outfall mapping, as many as 5 outfalls were identified for gully or scour erosion, in which remediation will likely take place in upcoming years.

x. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize storm water exposure

None. No improvements required at this time. Adequate storage & coverage is already in place.

xi. Estimated amount, in tons, of salt and sand used for snow and ice control

Michigan City: 4,676 tons of salt & 20,224 gallons of liquid deicer (vegetable origin) were used in 2007, no sand was used on the streets. City of LaPorte: 490 tons of salt & sand were used in 2007. Town of Long Beach: 225 tons of salt, 2500 gallons of de-icing no sand used in 2007.

xii. Estimated amount of material collected from catch basin, trash rack, or other structural BMP cleaning

SEE INDIVIDUAL RE-CAPS:

xiii. Estimated amount of material collected from street sweeping

SEE INDIVIDUAL RE-CAPS

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

None. Bluhm Park is the only area in LaPorte County that has a canine park. Given the fact that outreach & education is conducted on a county wide basis, this area will be targeted with outreach materials.

xiv. Extent of Sewer system

The Michigan City Sanitary District's most recent accurate information is there are 131 miles of sanitary & combined sewer, and 46.02 miles of separate storm sewer; of the combined portion-90% have been separated.

Note: As mentioned in the 2006 Annual report. See Next Page for Individual Entity – Good Housekeeping RE: CAP'S-as provided on our MS4 Record keeping Forms.

XV. INDIVIDUAL ENTITY GOOD HOUSEKEEPING RE-CAP'S - AS PROVIDED ON MS4 RECORD KEEPING FORMS:

Town of Long Beach:

- 1) Spring & Fall Street Sweeping 57 Loads/ 22 curb miles
- 2) Leaves & Brush Cleaning 257 cyds
- 3) De-Icing (sand) none*
- (salt) 225 tons
- (beat-oil) 2500 gallons
- 4) Hazardous-waste (oil) 55 gallons
- 5) Catch Basin Cleaning 64 ea/ 38 cyds

Town of Trail Creek:

- 1) Street Sweeping 45 cyds/ 13.2 curb miles
- 2) Leaves Cleaning (brush incl.) 100 loads/3500 cyds
- 3) Limbs & Brush Cleaning 75 loads/600 cyds
- 4) De-Icing (sand) none*
- (salt) 28 tons
- (Beat-oil) 250 gallons
- 5) Hazardous –waste (oil) 379 gallons
- (other fluids) 63 gallons

Municipality of LaPorte City:

- 1) Street Sweeping 19 loads/399 cyds
- 2) Leaves Cleaning (brush incl.) 453 Loads/6,144 cyds (Maple City)
- 3) De-Icing (sand) 400 tons
- (salt) 90 tons
- 4) Hazardous-waste (oil) 1000 gallons
- (other fluids) 405 gallons
- 5) Separation Projects 2.01 miles
- 6) Sanitary District Sewer/storm Cleaning 24,840 Linear ft. (catch basins/manholes incl.)
 - Blockages/repairs 9ea
 - CSO Events 5ea
 - Filtered-out grit 1035.5 tons

Municipality of Michigan City: (Sanitary District only)

- 1) Street Sweeping 2989 tons (wind swept sand-nothing applied on the roads)
- 2) Leaves Cleaning (brush incl.) (incl. above)
- 3) De-Icing (sand) none
- (salt) 4376 tons
- (Vegetable-oil-additives) 20,244 gallons
- 4) Separation Projects approx—1.3 miles
- 5) Sewer Cleaning-sanitary/combined 26.1 miles (catch basins/manholes incl.)
 - (manholes repaired) 21 ea.
- 6) Stormwater service calls 25% increase from 2006' to 2007'

Laporte County Highway:

- 1) Road Maintenance 1045 miles
- 2) De-Icing (sand) 11,747.7 tons
- (salt) 3,915.9 tons
- 3) Bridges Repaired 2 ea.

PART D: MISCELLANEOUS INFORMATION

On-Going Water Quality Characterization Activities since the, (per 2005' report)

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

The 1993 Trail Creek Watershed Plan has been completed, in which water monitoring data is available. The Trail Creek Watershed boundaries include 3 MS4 entities; County, Town of Trail Creek, & Michigan City. Water samples have also been collected by the LaPorte County Health Department within the last 3-15 years, which have been documented in the "IDEM Rule 13 Part B Baseline Characterization and Report".

However, the newly revised - (Watershed Plan- "Tale of Two Creeks" has been of approval). Built off of the foundation of the 1993 plan.—"APPROVED-2007" **(See appendix item # 12-for copy of Watershed Cover Page & condensed version)**

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

All post construction ordinances have been implemented. However, due to the lack of post construction specification references, delays and updates, and with late authorization of the New "Indiana Storm Water Quality Manual", it is too early to correctly evaluate new methods. Furthermore, a Transfer of Responsibility form from Contractor to Owner are being requested to be filled out so owners have a since of ownership as to post-construction schedules & responsibilities and are required to be forwarded to this office, as part of the SWPPP, prior to termination.

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

**A "SWPPP"-MS4-Site Development Erosion Control Plan Review, fee of \$ 100.00—is now in effect as a minimal Funding source to be used by the MS4 Coordinator as an organizational developmental income source to help grow as MS4 capabilities/needs arise.
(SEE Appendix Item #7-Ordinance)**

xxii) 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.

- Earl Road Flood Control Facility
- Several sewer separation projects are in the implementation phase for the city of LaPorte. Future projects are under consideration.
- LaPorte Sanitary District has/is in the process of increasing the open-CSO LAGOON, capacity, raising adjacent bank heights and outfall improvements.
- Trail Creek has had creek- clean-up days---held in August & September---Military munitions, and 15 tons of debris was removed. **(see appendix item #9)**

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

Rule 5 permitted facilities:

- 1.) Hesston Preserves. Located on 1000 North, Wetland incumbrances and erosion control concerns. IDEM contacted, MS4 Coordinator and Northwest Indiana Stormwater Specialists, Douglas Wolf; investigated and per progressive discipline, a letter of concerns, updates, and erosion controls been conveyed to owner and Engineer of record. Initial surface stabilization completed just prior to the snows. As snow-melt occurs, further investigation is planned. Still under investigation. (wetland crossing-installed not per design)

Non-Rule 5:

- 1.) Common concerns between neighbors, surface water runoff etc, have been somewhat standard complaints. The parties along with MS4 Coordinator have been able to work out solutions, together along with the LaPorte County Health Dept. to facilitate agreement as to potential improvements---issues taken care.—Rain Garden materials commonly handed out so owners have an option to commonly beautify-area of concern—with help from the local SWCD.

xxiv) Implementation status:

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

Yes No*

* If no, explain:

Although all MS4 ordinances are in effect at this time. The existing municipal, state, & county ordinances as adopted, are in place and fulfill all requirements of the rule 327 IAC 15-13 (April 2007.)---Implementation has begun, State MS4 Certification received June 15, 2007.

The Construction Review form # 51276, have been implemented, per 327 IAC 15-13-15(e)

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

Yes No*

* If yes, explain:

Potentially, with the late release of the –“Indiana Storm Water Quality Manual” in CD form, many contractors are wanting hard copies to review and use—but difficulty in obtaining copies by purchase, extensive printing required.

The MS4 Coordinator does have a copy. Also is a guidance manual referenced in ordinances, and is using it at the of this report. However, certain items of IDEM preferences as related to use as a BMP –are not listed in the manual yet.

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

Yes No*

* If no, explain:

None specified in the “Storm Water Quality Management Plan”.

PART E: CERTIFICATION AND SIGNATURE

► **The individual completing this report, listed in "PART A: GENERAL INFORMATION – MS4 Coordinator" 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: Rick Brown, MS4 Coordinator-LaPorte County

Signature: Rick L. Brown

Date: 02/28/2008
(mm/dd/year)