



# Rule 13 - MS4 ANNUAL REPORT

State Form 51278 (R6 / 7-12)  
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

### For questions regarding this form, contact:

IDEM Office of Water Quality , Storm Water Program  
MS4 Coordinator  
100 North Senate Avenue, Room 1255  
MC 65-42  
Indianapolis, IN 46204-2251  
Telephone: (317) 234-1601 or  
(800) 451-6027, ext. 41601 (within Indiana)  
Web Access: <http://www.IN.gov/idem/4900>

- NOTE:**
- Annual reports must be submitted to the Indiana Department of Environmental Management. **Failure to submit the annual report is 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.
  - **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 attachments to the IDEM Storm Water Program, MS4 Coordinator at the address listed in the box on the upper-right.

| Five Year Permit Term  | Reporting Year   |
|--|--|
| <input type="checkbox"/> 1st Permit Term<br><br><input checked="" type="checkbox"/> Second and subsequent five (5) Year Permit Terms | <b>Permit Year <u>2016</u></b><br><br><input type="checkbox"/> 1<br><input type="checkbox"/> 2<br><input type="checkbox"/> 3<br><input type="checkbox"/> 4<br><input checked="" type="checkbox"/> 5<br><br>MS4s in their first permit term must submit reports annually. MS4s that are in subsequent permit terms must submit in years 2 and 4 of the permit term. |

## PART A: GENERAL INFORMATION – MS4 OPERATOR

|   |   |
|---|---|
| 1. Permit Number: <b>INR 0 4 0 107</b>  | <b>Type of MS4:</b><br><input checked="" type="checkbox"/> City<br><input checked="" type="checkbox"/> Town<br><input checked="" type="checkbox"/> County<br><input type="checkbox"/> Non-traditional |
| 2. MS4 Entity: <u>LaPorte County MS4-Cooperative Permit</u><br><i>(Name of permit holder)</i>                                     |   |
| 3. MS4 Operator: <u>Mr. Dave Decker, President, Board of Commissioner</u>   |   |
| 4. Mailing Address: <u>555 Michigan Avenue</u><br><u>Suite 202</u><br><u>LaPorte, IN</u> ZIP: <u>46350</u> County: <u>LaPorte</u> |   |
| 5. Email Address: <u>ddecker@laportecounty.org</u>  |   |

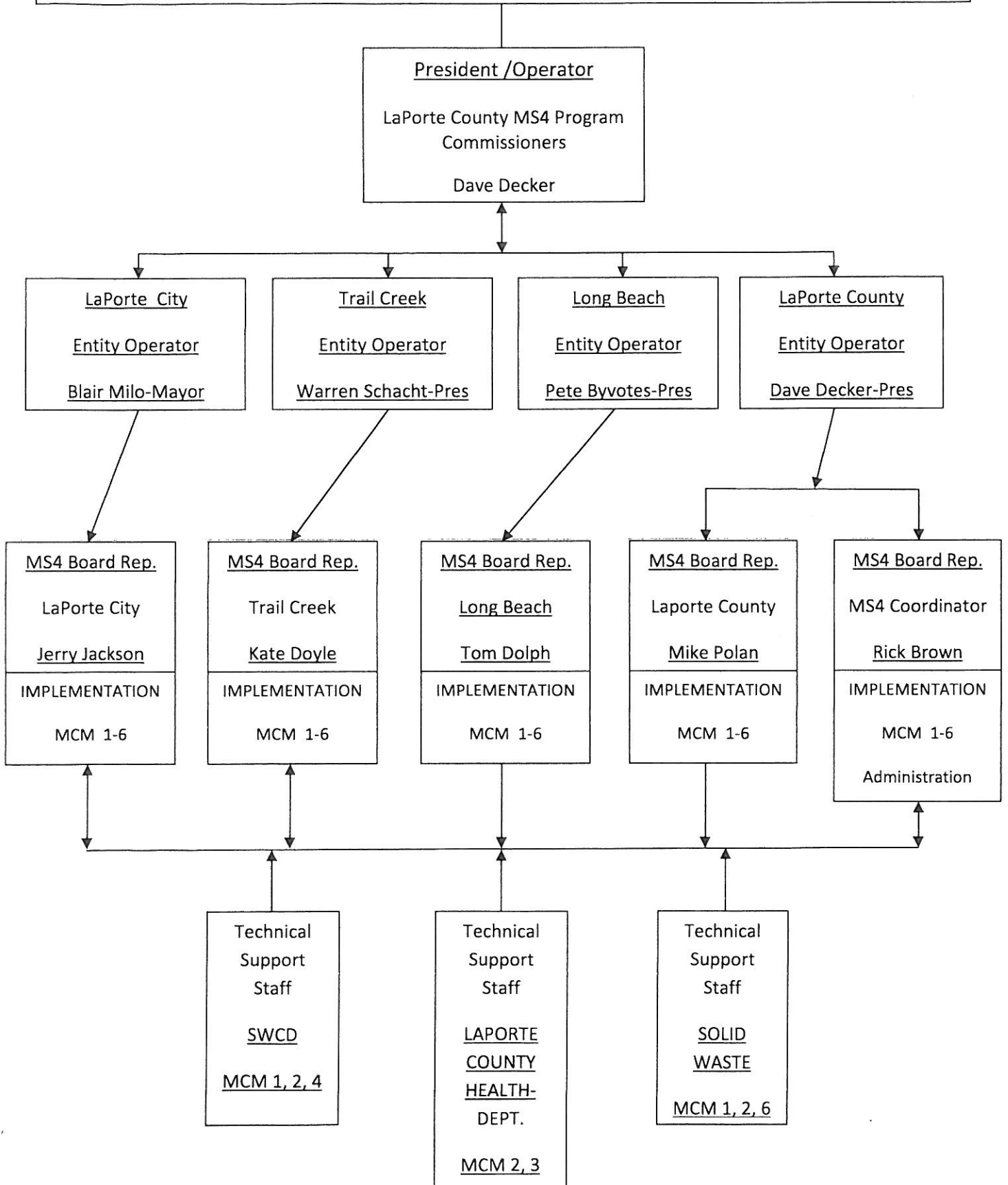
## PART B: GENERAL INFORMATION – MS4 COORDINATOR

|  |  |
|--|--|
| 6. MS4 Coordinator <i>(please print)</i> : <u>Rick Brown, CESSWI, CMS4S</u>                            |  |
| 7. Person's Title: <u>MS4 Coordinator</u>  |  |
| 8. Mailing Address: <u>2857 W St. Rd. #2</u><br><u>Suite B</u><br><u>LaPorte, IN</u> ZIP: <u>46350</u> |  |
| 9. Telephone Number: <u>219-326-6808 ext 2114</u>  |  |
| 10. E-mail Address: <u>rbrown@laportecounty.org</u>  |  |

## PART C: GENERAL INFORMATION – REPORT PREPARER

|   |  |
|---|--|
| 11. Name: Prepared by MS4 Coordinator in cooperation with the MS4 Cooperative Board<br><i>(Provide this information if someone other than MS4 Operator or Coordinator completed this report.)</i> |  |
| 12. Affiliation with the MS4: <u>LaPorte County MS4 Cooperative Board President</u>   |  |
| 13. Mailing Address: <u>555 Michigan Avenue</u><br><u>Suite 104</u><br><u>LaPorte, IN</u> ZIP: <u>46350</u>   |  |
| 14. Telephone Number: <u>219-326-6808</u> Extension: <u>2544</u>  |  |
| 15. E-mail Address: <u>mpolan@laportecounty.org</u>   |  |

2016 LAPORTE COUNTY ADMINISTRATIVE MS4 ORGANIZATIONAL CHART



**16. Provide a summary of the following program management activities performed during the reporting period:**

- a) If this is a co-permit, list all permittees and operators responsible for permit implementation for each entity.  
LaPorte City - Jerry Jackson Entity Rep. - Mayor Blair Milo/Operator  
LaPorte County - Mike Polan Entity Rep. - Dave Decker Commissioner/Operator  
Town of Long Beach - Tom Dolph Entity Rep. - Pete Byvotes/Operator  
Town of Trail Creek - Kate Doyle Entity Rep. - Warren Schacht/Operator
- b) Identify changes to the MS4 area boundaries, including areas added to or lost to the MS4 area via annexation or other similar means. Provide a current map (8.5" X 11" or 8.5" X 14")  
(SEE IN END OF REPORT - Page 19)  
City of Michigan City did withdraw from the County MS4 Program. The change effects the County MS4 boundries in the sence that original MS4 mapping only changes due to a deduction of Michigan City Municipal area is not included, The LaPorte County MS4 Program co-permit was approved, NOTICE OF SUFFICIENCY (NOS) without Michigan City with renewal coverage beginning (11-05-2013). This annual report iis for 2014/2015 reporting years
- c) Identify follow-up or additional water quality characterizations completed during the reporting period if applicable.  
2013 LaPorte Wastewater Department - Whole Effluent Toxicity Compliance. (Passed)  
2014 LaPorte Wastewater Department - Whole Effluent Toxicity Compliance. (Passed)  
2015 LaPorte Wastewater Department - Whole Effluent Toxicity Compliance. (Rrequired twice per year now. (Passed)  
1024/2015 LaPorte Wastewater "Stone Lake Water Testing" - Prior and after Boat Races--(Passed)
- d) Provide updated receiving water information completed during the reporting period if applicable.  
  
LaPorte City has created increased awareness as to high water mark elevations in local lakes, and no direct conveyance without pretreatment to the local lakes is allowed, per the City Engineering Department. Thereby, establishing construction cut & fill excavation thresholds and improving water quality..
- e) Identify funding sources (utility fees, grants, enforcement fines etc) utilized for MS4 program implementation during this reporting period.  
Past ordinance #2007-13 requires obtaining Stormwater Plan Review permit fee's(Stormwater Non Reverting Fund).  
Per above, expanding from a flat fee of \$100/review to a \$100/per acre review fee to increase funding for MS4 needs.  
LaPorte County County Council approved additional funding for the MS4 Programs, Specifically for Public Outreach & Education in the amount \$4000.00 to be included in the 20132014 budget cycles and beyond. This additional funding is for increased stewardship and additional SWCD involvementbeyond standard MS4 Entity percentages.  
Also, additional funding was approved by 10% of overall entity fee's to be directed into the non-reverting MS4 account.
- f) Provide a list of new active industrial sites identified during this reporting period.  
  
The Latest Revised list of Industrial Sites were provided for IDEM review at the 2015 MCM #6 April Audit.  
All confirmed sites are also now mapped as required by April Audit, also.
- g) Provide a list of facilities owned and operated by the MS4 that require Rule 6 (industrial storm water) permits.  
The following list is ALL municipal under MS4 jurisdiction.( Only LaPorte Municipal Airport has a Rule 6 permit):  
The latest list of MS4 Municipal facilities were provided at the APRIL/2015 MCM#6 AUDIT!. (SEE LIST BELOW)  
Three additional facilities were added due to new construction since the last reporting years of audit. ((See below updated list):  
Laporte County Highway Dept.  
LaPorte County Sheriffs Maintenance Bld'g.  
LaPorte City Wastewater Dept.  
LaPorte Transport & Maintenance Facility  
LaPorte City Street Dept.  
LaPorte Municipal Golf Course  
LaPorte City Parks  
LaPorte County Parks  
Trail Creek Street Department  
Long Beach Street Department  
LaPorte County JV detension Facility-new 2015  
LaPorte County Purdue Extension, SWCD, MS4 FaCILITY-new 2015  
LaPorte County Small Animal Shelter-new 2015

h) Provide a summary of complaints received and follow-up investigation results related to storm water quality issues during this reporting period.

Please review the (2014 and 2015) Reporting years: (MS4 AT A GLANCE) for individual lists of complaints, field evaluations, and plan review statistics at the end of this report: (Pages 20 & 21).

**Part E: PUBLIC EDUCATION AND OUTREACH – MINIMUM CONTROL MEASURE**

SEE SPREADSHEETS FOR PART E: - PUBLIC EDUCATION AND OUTREACH – MCM #1/#2 (Pages 6,7, & 8).

**Part**

# La Porte County MS4 Annual Report 2015

## MS4 SWQMP – PROGRAMMATIC INDICATORS & MEASURABLE GOALS SUMMARY:

| Tasks  | Page in SWQMP rev: 2010 | Programmatic Indicators: | Measurable Goals: | 2013  | 2014   | 2015  |
|--|-------------------------|--------------------------|-------------------|---|--|---|
| Number of meetings and training sessions, events to involve citizens, participation in storm water projects.   | 4-27                    | X                        |                   | N/A<br>(only one month in reporting period)                               | SWCD 24 events, activities, presentations, storm water meetings, and class room education.<br>LaPorte County Fair MS4 Booth (7/06/14 to 7/12/14)<br>65,000 attendance<br>Approx 8,000 visited the SWCD & MS4 booths. | SWCD 36 events, activities, presentations, storm water meetings, and class room education.<br>LaPorte County Fair MS4 Booth (7/12/15 to 7/18/15)<br>70,000 attendance<br>Approx 10,000 visited the SWCD & MS4 booths. |
| Increase education and general storm water pollution prevention for citizens with educational materials, presentations, training sessions, and staff a booth at the local County Fair. | 89                      |                          | X                 |   | LaPorte County Fair MS4 Booth (7/06/14 to 7/12/14)<br>65,000 attendance<br>Approx 8,000 visited the SWCD & MS4 booths.   | LaPorte County Fair MS4 Booth (7/12/15 to 7/18/15)<br>70,000 attendance<br>Approx 10,000 visited the SWCD & MS4 booths.   |
| Increase public awareness to on-going issues effecting storm water to increase pollutant reductions.   | 89                      |                          | X                 |   | Handed out approx. 350 pamphlets, brochures, and booklets of: lawn care, fertilization care, trash pick-up, haz-waste, and septic system care.   | Handed out approx. 425 brochures, pamphlets, booklets of: fertilization (know your numbers), be septic smart, regulatory information guides.  |
| To educate the community on MS4 issues and updates in a general non-specific manner: "MS4 Minute with Rick Brown"  | 89                      |                          | X                 | Last quarter news letter sponsored by the SWCD. (circulation over 750ea.) | SWCD Newsletter distributed quarterly to approx. 3000 citizens.  | SWCD Newsletter Distributed quarterly to approx. 3000 citizens.   |

# La Porte County MS4 Annual Report 2015

| Tasks  | Page in SWQMP rev: 2010 | Programmatic Indicators: | Measureable Goals: | 2013  | 2014   | 2015  |
|--|-------------------------|--------------------------|--------------------|---|--|---|
| The SWCD distributed stormwater materials and information presentations.   | 47                      |                          | X                  | N/A<br>(only one month in reporting period) | Handouts/Brochures: What is a watershed- NRCS, Basic Raingardesn & Plan today & plant tomorrow-BlueThum Raingarden info. The Secret to Leiserly Landscaping-Bluu Thumb. Invasive Plants in Indiana-INDR, Green Lawns IDEM (1100distributed.) Total Edu-3,221 ea. | Same as 2014_ With additional items such as : Be a friend to Pollinators-USDA, Cover Crops-Breakfast with 10 attendees and Cover Crops workshop-with 100 participants.<br><br>Total EDU-4,464 ea. |
| Increase public education and knowledge for Septic Owner(s). Working closely with the LaPorte County Health Department     | 47                      |                          | X                  |   | See back of report for 2014 year end septic approvals, permits, and system repairs. (Page 26)  | 2015 re:cap numbers not available at time of this report. To be included in MS4 report copy when available.   |
| Increase Public education with Training, reporting dumping etc, and additional Stormwater Permitting & Guidance documents. | 57                      |                          | X                  |   | Stormwater Public education MS4 Website. Contractor general information about SWPPPP preparation. (12 calls-via website)   | Stormwater Public ed. on MS4 website about Illegal Dumping. Total calls driven from website is approx 24.2  |
| B  |                         |                          |                    |   |  |   |

La Porte County MS4 Annual Report  
MS4 SWQMP –Programmatic Indicators & Measurable Goals

| Tasks   | Page in SWQMP rev: 2010 | Programmatic Indicators: | Measureable Goals:   | 2013  | 2014  | 2015   |
|---|-------------------------|--------------------------|--|---|---|--|
| MS4 proper disposal of Household & Hazardous Waste and Trash Management: Proper disposal techniques to improve water quality. Completed through the Solid-Waste District. | 16-18                   | X                        | X<br>Measureable goals within quantities taken, removed from environment degradation.        | N/A<br>(only one month in reporting period) | The Solid Waste District has trash pick-up with schedules placed within local utility bills and advertisements.<br>Perform such tasks as curbside recycling, HHW disposal, paper shredding, yard waste, tire & appliance recycling, electronic & technology disposal.<br>(See quantities page 27) | Same as 2014<br>However, Solid-Waste also has a booth at their office with pamphlets and brochures. Also, a pill-drop disposal program and display at the local County Fair.<br>2014/2015 average attendance was 65,000 ea, year.<br>(See page 30 for quantities.) |
| MS4 documents the Solid-Waste Composting Program. Materials imported/exported to citizens. Using waste in a way to improve water quality.                                 | 16-18                   |                          | X<br>Measureable goals within quantities taken in and sold for re-use as a finished product. |   | Soild-Waste continues to operate the Westville location area Compost/Mulch site. Raw composting products are farmed & processed. Approx 2129 Tons. Improve water quality through re-use & quality monitoring.   | Similar to 2014. With 1851 Tons. Soild Waste has also recently leased the LaPorte "Green Waste Area"-on Ziegler Rd.<br>This will improve existing maintenance and have a cleaner area, thereby also improving water quality from run-off.<br>(Same as 2014.)       |
| SW-Training/ classroom sessions C   | 84                      |                          | X  |   | 10 Mtgs/50ea trained  |  |



**18. Identify the best management practices for public participation and involvement included in your SWQMP Part C and then respond to the following:**

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
- 1) Staff: See previous staff description (BMP), and management flowchart..
  - 2) The MS4 Coordinator is on the LaPorte City Site Review Committee. Participants include LP Wastewater, LP City water, City Engineering & Code Enforcement, LP City Fire, & LP Development. This committee reviews construction projects at an early phase to provide input from all for a smoother transition when contractors finalize plans and go to the Building Permit Phase.
  - 3) The MS4 Coordinator is also on the LaPorte County Plat Committee. Reviews early phase of plan development similar to LaPorte above, but County-Wide Projects. However, additional participants include the County Surveyor, County Engineer, County Health-Department, and County Building Commissioner.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.

The Board has a concern that not a lot of local persons know about how to report questions/issues to the MS4 Coordinator, eventhough participation involvement efforts have been done. So, the Increasing of public awareness is one of the main focus issues for MS4. A 30 minute session with the local radio (WLOI/WCOE)-Breakfast Showcase is done at least once a year. Website information and "Illegal Dumping" with a "MS4 HOTLINE" has ben established. General Public & municipal training sessions done each year. This past 2015 County Fair presentations included training with interaction such as MS4 Jepordy", and question/answer training with such items as infrastructure items & maintenance. The main focus was on "STOP SMOKING" and how cigarette butts effect water quality.

- c) Describe program BMPs that went beyond those identified in the SWQMP.

1) Partnership Building:

For the 2014/2015 years--partnering with LaPorte City to place inlet filters in the uptown "4<sup>th</sup> of July Parade route", and at the local County Fair have a cigarette-butt guessing contest. Where collected butts are placed in a container for the public to guess the amount. There is a announcement date for the two closest winners. Winners get prizes. However, the environment wins due to many conversations and posters displayed about the harmful effects of smoking to themselves and the degrading to our water quality.

2) Additional Structural BMP's:

The new building design included input from MS4. A new 200 lineal foot "Pervious Concrete Sidewalk" was installed at the entire front of the new buuilding to show the public the benefits of infiltration versus run-off. Working just fine, with new signage ordered to explain. Also, a display of two inlets with inlet filter protection, with discriptave signage.

Also, the latest large lineal McClung Road rehab. project included a concentration "Swirl Unit" as pre-treatment prior to Clear Lake outfall.

Also, surrounding the new building, approximetly 3 acres of "Native Indiana Prairie Grass" was installed with a mixture of wildflowers to decrease mowing cycles and have the country look & feel of Indiana.

A depressional area for parking lot stormwater was designed a "Raingarden" as time and funds allow. Note; the funds for these activities were directly paid for out of the MS4 Budget and approved by County Government Partnership.

- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.

Rain Garden, Rain Barell, Native plantings have all been installed at the LaPorte County Fair Grounds Nature New Walk area. This is a showcase of "Pollination Importance" as well as Indiana native species.. A must see at the County Fair.

- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
- MS4 thru the Solid Waste District are continuing Oils and Fluids pick up. The program and pick-up schedules are done thru local utility bill-(stuffers), and identifying drop-off location as advertised in the Soild-Waste display vestibule.

- f) Other:

1) All routine monthly MS4 meetings are posted for the Public to see at the Purdue Extension Building main entrance. Topics to be discussed, agenda, time, and location so the Public is aware of events etc; allowing the public a chance to participate/review what is going on in MS4.

2) Per MS4/SWCD Intergovernmental Partnering Agreement - MCM #1 & #2: (Continues to be success, and has increased with our locations being now located in the same building at the Purdue Extension Bld'g.)

( See spreadsheets A,B & C for information via involvement/participation/education.)

**Part G: ILLICIT DISCHARGE DETECTION AND ELIMINATION-MINIMUM CONTROL MEASURE**

NOTE: THE LAPORTE COUNTY MS4 COOPERATIVE PROGRAM PARTICIPATED IN AN AUDIT OF THE MCM#3 IDDE PROGRAM. ALL ITEMS SUCH AS IDENTIFY CONNECTIONS, LOCATE INDUSTRIES, ILLEGAL DUMPING, FAILING SEPTIC SYSTEMS WERE ADDRESSED. ADDITIONAL ITEMS ADDRESSED WERE SPILL PREVENTION, ANALYTICAL PROCEDURES FOR OUTFALL MONITORING, AND DRY WEATHER FLOW CHARACTERIZATION CHECKLIST/RECONNAISSANCE FORM, AND HAVE ALL BEEN IMPLEMENTED. ALL RECEIVING WATERS DOCUMENTED. ORDINANCE REVIEW OF "ORDINANCE 2007-06" WAS REVIEWED AND CHECKED FOR LEGAL AUTHORITY TO GAIN ACCESS FOR INSPECTIONS, AND APPROVED.

Please review the next sheets for additional items implemented in 2014/2015.

# La Porte County MS4 Annual Report 2015

## MS4 SWQMP – PROGRAMMATIC INDICATORS & MEASURABLE GOALS SUMMARY:

| Tasks   | Page in SWQMP Rev2010 | Programmatic indicators | Measurable Goals: | 2013  | 2014   | 2015  |
|---|-----------------------|-------------------------|-------------------|---|--|---|
| Identify Illicit Connections. Storm Sewer conveyances 12" or larger and open ditches > 2' width. Storm Sewer Outfalls 12 or larger. | 6-7, 84               | X                       |                   | N/A<br>(only one month in reporting period) | MS4 was able to purchase additional technology and place an approved IDEM reconnaissance sheet on an (I-Pad) for easy access to county GIS mapping.  | MS4 MCM #3 additional items and meetings with drainage and GIS officials to further expand outfall locations/identification. No new outfalls req'd. completion.   |
| Identify all new found outfalls with above and smaller diameters.   | 6-7, 84               |                         | X                 |   | The I-Pad recon-sheet was perfected and used for field evaluation. 157 ea new outfalls of all county subdivisions located & GIS Lat/Long locates mapped. None required additional testing. | As previous in 2015, no new known outfalls noted. However, all county road culverts were mapped & GIS Lat/long locates. Also, all outfalls have been photographed for future use to determine degradation |
| MS4 meetings and discussions as to continued checking.  | 84                    |                         | X                 |   | All entities outfalls have also been located and mapped-GIS cords. All entities also signed an agreement to review annually at least 25% of outfalls/yr.                                   | (Same as 2014-on an average year.) See back of report!<br>No ordinance changes or source identification have changed as of this date.   |
| MS4 industrial facilities.  | 6-7                   |                         | X                 |   |  | Industrial facilities updated for the April 2015 Audit.   |

D

# La Porte County MS4 Annual Report 2015

## MS4 SWQMP – PROGRAMMATIC INDICATORS & MEASURABLE GOALS SUMMARY:

| Tasks  | Page in SWQMP Rev2010 | Programmatic indicators | Measurable Goals: | 2013  | 2014  | 2015  |
|--|-----------------------|-------------------------|-------------------|---|---|---|
| The MS4 program also has Partnership responsibilities with the County Health Dept, for Failing Septic Systems. County Health Dept. directly administers and permits, reviews septic sizing and siting for systems. | 17, 86                | X                       | X                 | N/A<br>(only one month in reporting period) | The LaPorte County Health department provides health programs for environmental health including complaint investigations and inspections of sewage systems. Thereby improving water quality. New system installs=94, Repaired systems=84, and total new installed=157. | The Health dept director introduced an ordinance with 1 <sup>st</sup> & 2 <sup>nd</sup> readings completed where ALL septic systems shall be checked at "Point of Sale"! This will help new home owners. Expected passage/3 <sup>rd</sup> reading in Jan./2016. New system installs=72, Repaired systems=47, and total installed=98 |
| Identify unknown failing septic systems with the new "Point of Sale" septic system investigation prior to consummation of same sale.   | 17, 86                |                         | X                 |   |   | The goals are to find failing septic by additional septic system checking, so new homeowners are aware of the condition of an existing system.  |
| MS4 continues to be more of a "watch-dog" role. If/when complaints are called-in for water in yards. Inspections are done to determine if smell, odor are present.   | 17, 86                | X                       |                   |   | To assist the local Health Department as an ancillary agency.   | Continues to assist the local Health Department as an ancillary agency.   |

- 20. List the best management practices for the construction site storm water run-off program identified in your SWQMP Part C and then respond to the following:**
- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
- 1) New progress as identified in the revised 2010 'Part C' is a list of structural BMP's appropriate for control of construction site run off coinciding with the 'Indiana Storm Water Quality Manual'. Expansion of the BMP's over the next few years may occur as new information becomes available. A new construction site self inspection program has been in force for a few years. Weekly inspection reports are interactive, on the County website, and emailable to the MS4 Coordinator. Other common documents are also available on the MS4 website as well.
  - 2) Plan review is completed by the MS4 coordinator holding both CESSWI, CMS4S certifications. Plan review of Municipal MS4 area projects administratively reviewed by SWCD. MS4 does a quality control review for Municipally owned projects only. Verification is done thru SWCD with IDEM plan review.
  - 3) Priority construction sites received increase scrutiny during plan review and inspection of construction site stormwater run-off. Construction sites are considered priority if they contain:
    - \* Steep Slopes
    - \* Erodible or Hydric Soils
    - \* Mass Stripping/Grading Activity
    - \* Sensitive Area, Waterbodies or Wetlands
- b) Describe program implementation partnerships and explain successes and barriers during this reporting period.
- 1) Yearly intergovernmental agreement with SWCD for MCM #1/2. Including verification of municipal plan review.
  - 2) Coordination with City/County project reviewing. Also, better communications with County Building Commissioner's office and County Planner.
  - 3) The MS4 coordinator participates an annual training such as MS4 related workshops/seminars and annually attends the INAFSM conference. The MS4 has a technology based record keeping system allowing public review for erosion control permitted sites.
  - 4) President of MS4 Board is directly involved with County Drainage/Board member.
- c) Identify the number of construction sites permitted during this reporting period and identify the number and type of enforcement actions taken against construction site operators during the same period.
- 1) SEE 2014/2015 year end totals " MS4 at a Glance"--end of this report.
  - 2) Typical enforcement is educational and "Stop Work Order" with field evaluation corrections done within required deadlines.
- d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.
- 1) A self evaluation training and testing program has been developed for contractors/staff, & municipal employees. (available on-line). Most employees of the MCM#6 Good Houseweping program have been trained and certified using a self-inspection power-point presentation with a follow-up quiz--if passing grade--a certification is issued by the MS4 Coordinator. In 2014/2015 187ea employees were Trained and Certified.
  - 2) CBT Stormwater Warnings Training:(Excal Visual) Has also been used, more in 2014 prior to upgrading to the new local web based self-inspection quiz. The Excal Visual had a yearly fee and cannot be installed on the county website--per County IT specifications. MS4 does have CBT(Excal Visual) on a MS4 computer for the times it is warrented for use by audience/needs.
- e) MS4 personnel responsible for plan review, inspection, and enforcement of construction activities shall receive, at a minimum, annual training addressing appropriate control measures, inspection protocol, and enforcement procedures. Identify training provided to MS4 personnel responsible for these activities during this reporting period.
- MS4 Coordinator is certified in (CESSWI, and CMS4S). Continuing education requirements are/have been met to maintain certification. (The records are on file for in service training etc.). MS4 also uses a Summer Intern, obtained through the Earn Indiana Intern program, as summer help.
- f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.
- 1) A new plan review fee structure went into effect in 2014. In lieu of a flat \$100 review fee, a review fee of \$100/acre was implimented. Thereby increasing MS4 Non-Reverting funds base.
  - 2) A new comprehensive zoning ordinance, implimentation of a SWPPP Approval must be in place and forward'ed to the Building Commissioner's office prior to issuance of a County Building Permit.
- g) Other:
- SEE Spreadsheet on following page for additional CONSTRUCTION SITE STORM WATER information.

# La Porte County MS4 Annual Report 2015

## MS4 SWQMP – PROGRAMMATIC INDICATORS & MEASURABLE GOALS SUMMARY:

| Tasks   | Page in SWQMP Rev2010 | Programmatic indicators | Measurable Goals: | 2013  | 2014  | 2015  |
|---|-----------------------|-------------------------|-------------------|---|---|---|
| The MS4 program has developed and upgraded the website. Improving training for contractors, guidance document information and procedural steps for SWPPP review. A HOT-LINE and contact phone # & email information . | 18, 84                | X                       |                   | N/A<br>(only one month in reporting period) | The LaPorte County MS4 Cooperative program officially removed the M.C. entity from the program.(On their own). Re-structuring as far as entity budgeting and associated items done. New MS4 LOGO designed and shown, Clothing purchased for public awareness. | Participated in local County Fair 14/15. Had many presentations on going w/computer/flat screen tv. Brochures and pamphlets handed out-approx 500ea yr., Green Lawns, Phosphorus-Know Your Numbers, Harmfull effect of cigarette butts.(more) |
| New technology/software purchased for presentation and training events.   | 17, 84                |                         | X                 |   | Training sponsored by Trail Creek entity-15ea. participants-on wetlands.10/21/14  | Municipal employees self-inspection training thru-website power point and website testing. 187 ea. Certificates of passing scores circulated.   |
| MCM #6 MS4 sponsored training for municipal bld'g maintenance housekeeping And general Q&A.   | 17, 84                |                         | X                 |   | All municipal bld'g dept. heads attended with others-13ea.  | Developed SOP's and trained individual dep't. head to do their own inspections & documentation-MCM6   |
| MS4 Coordinator has a slot in the qtrly SWCD newsletter "MS4 Minute with Rick Brown"  | 17,84                 |                         | X                 |   | To write article's of new events etc about MS4 issues.400/ea qtr. Circulation./1600 total   | Continuing effort with SWCD newsletter about new/common items/BMP's.  |

# La Porte County MS4 Annual Report

## MS4 SWQMP – Programmatic Indicators & Measurable Goals

### MS4 SWQMP – PROGRAMMATIC INDICATORS & MEASURABLE GOALS SUMMARY:

| Tasks   | Page in SWQMP rev: 2010 | Programmatic Indicators: | Measurable Goals: | 2013  | 2014   | 2015   |
|---|-------------------------|--------------------------|-------------------|---|--|--|
| The MS4 program has developed a Pet Waste program. The main partnership member consist of all the MS4 Entities locations where residents pay utility bills and do local governmental business. This is a runoff control BMP'(s). The program began with 400ea. Pet waste containers, with 15 bags/container. Each container has the MS4 LOGO for public awareness and outreach. | 18,84                   | X                        | X                 | N/A<br>(only one month in reporting period) | Approx 400 ea containers were distributed entity & city wide.<br><br>"Been a very popular item with re-fillable canister bags, also available."<br>(See page 22 for estimated pollutant reduction amounts) | Approx 800 containers were distributed city and county wide.<br>Starting in 2016, the County Animal Shelter will be giving owners who adopt an animal a complimentary Pet Waste container.<br>All Dog Park Runs in County Parks have dispensible bags, posted with signage.<br>(See page 23 for estimated pollutant reduction amounts) |
| Laporte County MS4 Program has also used a Lake Mich-Coastal Grant to establish a "Incentive BMP Program for developers"  |                         |                          |                   |   | Started process development and Grant considerations, stakeholder meeting and early program development.   | Will be offering training and program user education on the New Incentive Program in 2016.   |
|   |                         |                          |                   |   |  |  |
|   |                         |                          |                   |   |  |  |

G

**21. List the best management practices for post-construction storm water run-off control identified in your SWQMP Part C and then respond to the following:**

- a) Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
- 1) Most recent post-construction development has been in the area of run-off control. Treatment train items have been stringently followed to catch 'hydrocarbons' in new gas station construction thereby improving water quality. A procedure for BMP inspection and maintenance still in the development phase. However, numerical values are now required for local SWPPP approval concerning maintenance time frame. (Maintenance schedule).
  - 2) All best BMP's are referenced in the Indiana Stormwater Quality Manual. (See individual BMP for design and installation criteria).
  - 3) MS4 coordinator and summer work intern will continue to be trained accordingly, on new BMP's as they are developed.
  - 4) Annual reports will still continue reporting on entity yearly ending quantities of pollutant items reductions/removed.
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.
- 1) Eventhough the MS4 is requireing a numerical value for maintenance timeframes, actual inspections/reporting to MS4 is weak.
  - 2) Actual collection of the Notice of Termination (NOT), are now a required item or be in non-compliance. That simple!
- c) Describe program implementation partnerships and explain successes and barriers.
- 1) Working on developing entity partnership/communication as far as maintenance triggers, responsibility level and work sharing. With recent developoments in our MS4 program, the newly formed Board agrees that improved cooperation is a priority. Also, with the formulation of a new M.O.U. with the local SWCD education and outreach will be a major focus ithroughout MS4 terms.
  - 2) The basic barrier continues to be a low concern at the political level--MS4 is not considered very important agency and that the Coordinator is doing a good job--"Just keep us in compliance" eventhough new stresses streach MS4's wide!
- d) MS4 area personnel responsible for implementation of the post-construction minimum control measure shall receive, at a minimum, annual training. Identify training provided for this minimum control measure during this reporting period.
- 1) MS4 Coordinator has participated in IDEM and INAFSM training sessions. Continue to pursue update training for all entity personnel as required.
- e) Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.
- Original MS4 ordinances of all Entities were developed to relate to the Rule--so no immediate changes are required. However, with the recent passage of the County Comprehensive Ordinance, Article #20 "Stormwater"; County legal authorities are presently reviewing potential disconnects, if any, on a case by case basis. There are a few issues where the Joint Zonong Ordinance is weak--and is presently being updated--to fill holes.
- New definition and situations are forcing some political change at the zoning level--enforcement may be another issue--stay tuned for updates!
- MS4 is in the process of changing vocabulary on the SWPPP approval level and investigating using MS4 \$ from plan review fees, on capital projects to assist county residents/entities with potential pollutant concerns. They will only get worse and be a drag on the county later. MS4 desires to fix problems now so we are not dealing with them later.
- f) Other:  
N/A.



**22. List the best management practices for municipal operations pollution prevention and good housekeeping identified in your SWQMP Part C and respond to the following:**

- a) Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.

The LaPorte County Cooperative MS4 Program participated in a Audit, April of 2015.

Office procedures, field operations, Building inspections were completed by IDEM. All municipal Dept. Heads were present for the first day, with Q & A involvement. All Dept. Heads/and Municipal buildings(listed below) employees have been trained.

All documentation and SOP's were found to be in working order.

Much progress toward development was noticed, and approved. It is assumed that the preparation for the audit far exceeds this particular page request, as all documentation etc was reviewed then.

- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility as it relates to pollution prevention and good housekeeping at MS4 owned and operated facilities during this reporting period.

1) The problem is the administration of the various 13 ea. municipal buildings in the past, were not reporting to the MS4 Coordinator as per the guidance document. That is not true as of today, however. We still are working with them to be even better.

- c) Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.

1) All BMP's of the 13 documented facilities have their own specific documentation. Relates to their operational requirement & needs.

2) List of Municipal owned MCM#6 Facilities:

- \* Trail Creek Street Department.
- \* Long Beach Street Department.
- \* LaPorte City Street Department.
- \* LaPorte City Transport.
- \* LaPorte City Municipal Golf Course.
- \* LaPorte City Parks- Main Office.
- \* LaPorte County Parks and Recreation.
- \* LaPorte County Highway Department.
- \* LaPorte County Parks.

Newly Added 2015:

- \* LaPorte County Purdue Extension, SWCD & MS4 Building
- \* New LaPorte County JV Detention Facility
- \* New Addition and existing Laporte County Small Animal Shelter

- d) Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.

1) The MS4 Coordinator is an County employee and receives additional training/outreach each year.

2) The MS4 program/ trained over 187 Municipal employees in 2014/2015.

3) Department Heads of the above MCM#6 facilities have had hands-on-training and are now doing their own inspections etc.

- e) Other:

N/A

PART K: CERTIFICATION AND SIGNATURE

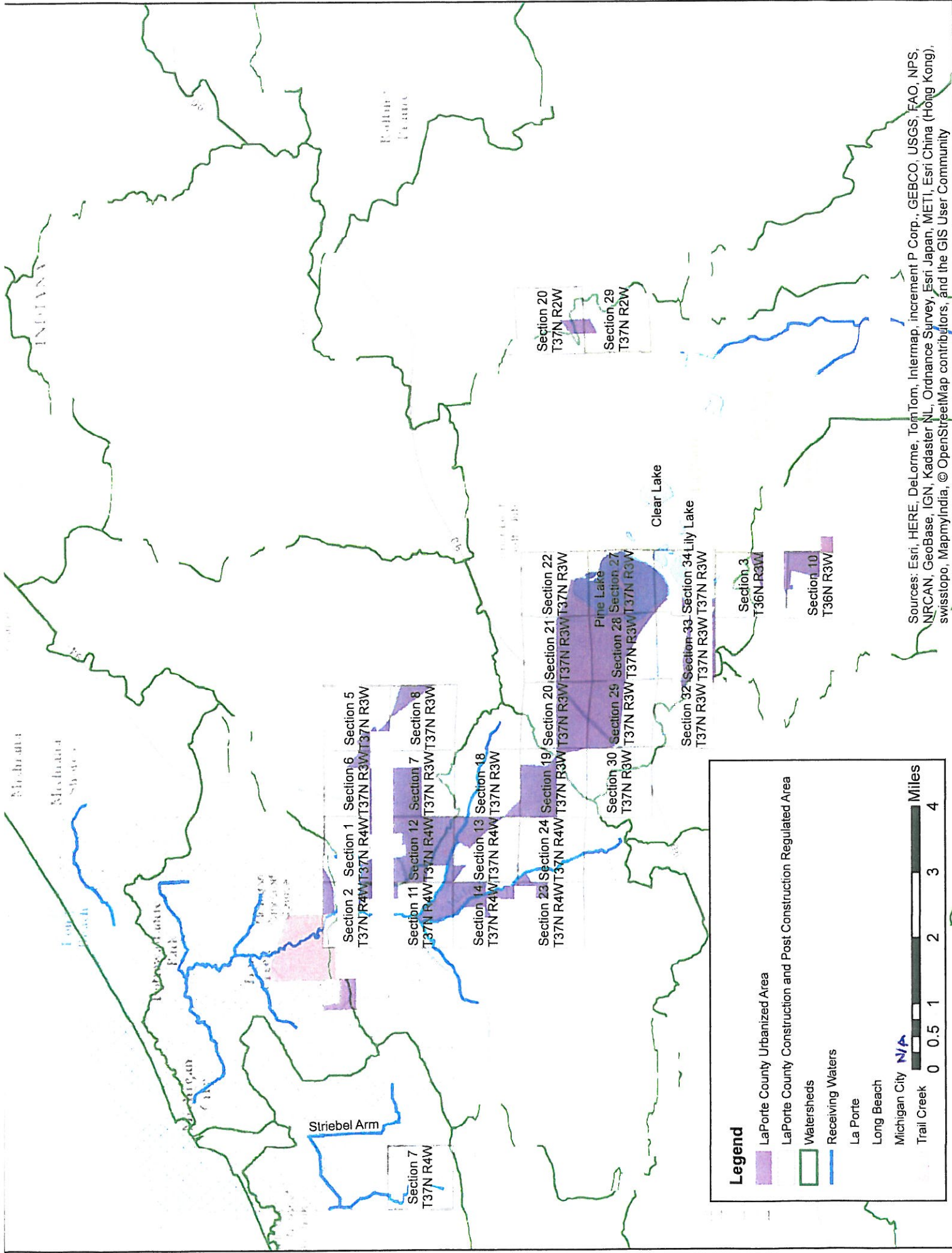
The individual listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:

*"By signing this 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: Mr. Dave Decker, President of County Commissioners, MS4 Operator

Signature: 

1 8 16  
(mm/dd/yyyy)



Section 2 Section 1 Section 6 Section 5  
T37N R4W T37N R4W T37N R3W T37N R3W

Section 11 Section 12 Section 7 Section 8  
T37N R4W T37N R4W T37N R3W T37N R3W

Section 14 Section 13 Section 18  
T37N R4W T37N R4W T37N R3W

Section 23 Section 24 Section 19/ Section 20/ Section 21/ Section 22  
T37N R4W T37N R4W T37N R3W T37N R3W T37N R3W T37N R3W

Section 30 Section 29 Section 28 Section 27  
T37N R3W T37N R3W T37N R3W T37N R3W

Section 32 Section 33 Section 34  
T37N R3W T37N R3W T37N R3W

Section 3  
T36N R3W

Section 10  
T36N R3W

**Legend**

- LaPorte County Urbanized Area
- LaPorte County Construction and Post Construction Regulated Area
- Watersheds
- Receiving Waters
- La Porte
- Long Beach
- Michigan City *N/A*
- Trail Creek

Miles  
0 0.5 1 2 3 4

Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



## Municipal Separate Storm Sewer System (MS4)

2857 W. St. Rd. 2, Suite B – LaPorte, IN 46350 – Phone (219) 326-6808 Ext. 2114

### 2014-MS4 Activity – Re Cap at a glance.

#### A) Quality Control Plan Reviews. (Total Municipal Projects)

1. 400N & 950W – Road & Utility Project
2. Hwy. #20 – Water Line Utility Extension
3. Greenwood Ave. – Sanitary Line Replacement
4. LCRSD – New Force Main for Rolling Prairie
5. Michigan Blv'd. Extension to Hwy #212
6. New Department of Corrections (reviewed & not reviewed)
7. PNC-New Student Services Bld'g.
8. New County Road-375 North

#### B) Registered Complaints.

1. 40 complaints recorded - 183 field evaluations/follow-ups.

#### C) Commercial Plan Reviews.

1. 23ea. commercial plan reviews completed –160 routine evaluations.  
(343 windshield surveys, boots on ground and complaint inspections done )
2. 6ea. projects carried over from 2013.

D) New outfall inspections/mapping for 147 ea. (County subdivision outfalls)

E) A New MOU with the SWCD completed.

F) The 3<sup>rd</sup>-5 year Notice of Intent & Part A submitted to IDEM – on time.

G) The new Stormwater Plan Review Fee Structure completed/adopted.

H) Stormwater Application approval, prior to a Building Permit being issued adopted/approved. New Technology purchased for the up-coming year

I) Cigarette butt count contest from July 4<sup>th</sup> parade & exchange of mercury to digital thermometers, MS4 logo banner on display at County Fair.

J) “Bags On Board”—Pet Waste Outreach Program (5000 indiv. Containers)

I WANT TO THANK ALL THE ENTITIES FOR A VERY GOOD MS4 YEAR!



## Municipal Separate Storm Sewer System (MS4)

2857 W. St. Rd. 2, Suite B – LaPorte, IN 46350 – Phone (219) 326-6808 Ext. 2114

### 2015-MS4 Activity – Re Cap at a glance.

- A) Quality Control Plan Reviews. (Total Municipal Projects)
  - 1. Preliminary review & assistance-Doyle & Associates-Water extensions.
  - 2. New Police Station—Michigan City Police
  - 3. Michiana Shores – Water Main Extension
  - 4. Hwy#20 – Northside Water Main Extension
  - 5. Hwy#20 – Southside Water Main Relocation
  - 6. Newport Landing – Brownfield Commercial Development
  - 7. Monroe Manner – Sewer Separation
- B) Registered Complaints.
  - 1. 45 complaints recorded - 173 field evaluations/follow-ups.
- C) Commercial Plan Reviews.
  - 1. 26ea. commercial plan reviews completed –236ea. routine evaluations. (409 windshield surveys, boots on ground routine and complaint inspections completed/done in 2015.)
  - 2. 7ea. projects carried over from 2014.
- D) New Municipal Employee Inspection Quiz/Certifications 187 ea.
- E) A New MOU with the SWCD completed on a yearly basis.
- F) The 2<sup>nd</sup> Audit of MCM#6 (Good Housekeeping) completed in April– on time.
- G) The new Stormwater Plan Review Fee Structure increasing funds.
- H) Stormwater Application approval, prior to a Building Permit being issued by the County Building Commissioner’s office adopted in2014, continued thru 2015, working great.
- I) New Technology purchased for MS4 presentations-used in 2015 County Fair.
- J) Cigarette butt count contest from July 4<sup>th</sup> parade & exchange of mercury to digital thermometers, MS4 logo banner on display at County Fair.
- K) “Bags On Board”—Pet Waste Container Outreach Program (Estimated pet waste removal in 2015= 216.9 Tons, thereby increasing water quality)

I WANT TO THANK ALL THE ENTITIES FOR A VERY GOOD MS4 YEAR!

## LAPORTE COUNTY COOPERATIVE MS4 PROGRAM:

### 2014 PET WASTE PROGRAM:

#### “Bags On Board BMP”

**OBJECTIVE** – To reduce the amount of pet waste that occurs on the surface of the ground, by general good-housekeeping practices providing a simple way to pick up waste and have MS4 outreach (MS4 LOGO ON CANISTERS), reducing the amount of sheet flow pollutants and increasing our water quality.

#### **ESTIMATED POLLUTANT REDUCTION:**

**900 dog tags:**

**1/3# ea event x two events:**

**365 days ea year:**

#### **EQUALS:**

**.33 X 2EA X 365 DAYS = 241#’s**

**241 #’s x 900 dogs = 216,810 total Pounds**

**216,810 / 2000#ton = 109 total tons removed!**

**LAPORTE COUNTY COOPERATIVE MS4 PROGRAM:**

**2015 PET WASTE PROGRAM:**

**“Bags On Board BMP”**

**OBJECTIVE** – To reduce the amount of pet waste that occurs on the surface of the ground, by general good-housekeeping practices providing a simple way to pick up waste and have MS4 outreach (MS4 LOGO ON CANISTERS), reducing the amount of sheet flow pollutants and increasing our water quality.

**ESTIMATED POLLUTANT REDUCTION:**

**900 dog tags & 900 without = 1800 dogs:**

**1/3# ea event x two events/day:**

**365 days ea year:**

**EQUALS:**

**.33 X 2EA X 365 DAYS = 241#’s**

**241 #’s x 1800 dogs = 433,000 total Pounds**

**433,000 / 2000#ton = 216 total tons removed!**



**2014 MCM #6 – GOOD HOUSEKEEPING QUANTIT(S):**

**(Pollutants Potential Reduction)**

**Town of Long Beach:**

- |    |                       |                     |        |
|----|-----------------------|---------------------|--------|
| 1) | Street Sweeping       | 3/miles             | 2cy    |
|    |                       | Wind blown sand     | 6846cy |
| 2) | Leaves & brush        | 6000 cy             |        |
| 3) | De-Icing (sand)       | none                |        |
|    | (salt)-treated        | 400 tons            |        |
|    | (Brine/Beat oil)      | none                |        |
| 4) | Catch Basin Cleaning  | 12ea. /15 inspected |        |
| 5) | Hazardous waste(oils) | 55 gal.             |        |

**Town of Trail Creek:**

- |    |                       |                            |
|----|-----------------------|----------------------------|
| 1) | Street Sweeping       | 0 – Equipment out of order |
| 2) | Leaves & brush        | 3570cy                     |
| 3) | Limbs/brush           | in above                   |
| 4) | De-Icing (sand)       | none                       |
|    | (salt)                | 70 tons                    |
|    | (Brine/Beat)          | none                       |
| 5) | Hazardous waste(oils) | 36 gal.                    |
|    | (other fluids)        | 11 gals.                   |



### Municipality of LaPorte:

|    |                       |             |
|----|-----------------------|-------------|
| 1) | Street Sweeping       | 1782 cy     |
| 2) | Leaves & Brush        | 7763.5 cy   |
| 3) | De-icing (sand)       | 2000.5 tons |
|    | (salt) treated        | 2000.5 tons |
| 4) | Hazardous waste(oils) | 693 gals.   |
| 5) | CSO Events            | 0           |

### LaPorte County Highway:

|     |                              |     |                        |
|-----|------------------------------|-----|------------------------|
| 1)  | Street Sweeping              | n/a | 1045 miles maintenance |
| 2)  | De-icing (sand/salt mix)     |     | 26.259.5 tons          |
|     | (brine/beat)                 |     | 5750 gals.             |
| 3)  | Bridges designs/repairs      |     | 6ea.                   |
| 4)  | Brush/Trash removal          |     | 180 man/hrs.           |
| 5)  | Crushed stone/slag           |     | 1524 tons              |
| 6)  | Stone(s) purchased           |     | 10,171 tons            |
| 7)  | Rip-Rap Stone                |     | 1,421.25 tons          |
| 8)  | AG Lime “                    |     | 463.2 tons             |
| 9)  | Road Patch                   |     | 1420 tons              |
| 10) | Mulch                        |     | 235 cyds               |
| 11) | Dirt                         |     | 2448.6 tons            |
| 12) | Fill sand                    |     | 1097.2 tons            |
| 13) | Asphalt Grindings(re-spread) |     | 71,893.7 tons          |
| 14) | Sand (ice)                   |     | 20,481 tons            |

## LaPorte County Health Department:

### Complaints:

|     |                     |    |
|-----|---------------------|----|
| 1)  | Abandoned Property  | 3  |
| 2)  | Animals             | 2  |
| 3)  | Unsanitary Living   | 12 |
| 4)  | House Condemnation  | 1  |
| 5)  | Trash/Garbage       | 24 |
| 6)  | Dump Sites          | 1  |
| 7)  | Weeds/Grass         | 2  |
| 8)  | Open Burning        | 5  |
| 9)  | Indoor air          | 12 |
| 10) | Outdoor air         | 3  |
| 11) | Insects/mice        | 8  |
| 12) | Septic/sewage       | 23 |
| 13) | Water pollution     | 1  |
| 14) | Stagnant pool water | 8  |
| 15) | Tires               | 1  |
| 16) | Housing             | 7  |
| 17) | Drinking water      | 1  |
| 18) | Rats                | 1  |
| 19) | Hazardous waste     | 2  |

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**Total Complaints**                      **153 ea.**

**2013 Septic Permits**                      **145 ea.**

**Site Evaluations**                      **264 ea.**

**Solid Waste District:**

|    |                         |                             |
|----|-------------------------|-----------------------------|
| 1) | Curbside recycling      | 8271.85 tons                |
| 2) | Household haz. Waste    | 58.71 tons(2060 households) |
| 3) | Paper shredding/recycle | 11.49 tons                  |
| 4) | Yard waste/composting   | 2,118.72 tons               |
| 5) | Tire recycling          | 85.59 tons                  |
| 6) | Appliance recycling     | 11.59 tons                  |
| 7) | Electronics/recycling   | 219.07 tons                 |

---

**Total waste removed from landfills: 10,777.32 tons**

(Note-inkjet cartridges, cell phones and books: \$436.69 donated to Youth Service Bureau.)



**2015 MCM #6 – GOOD HOUSEKEEPING QUANTIT(S):**

**(Pollutants Potential Reduction)**

**Town of Long Beach:**

- |    |                       |                     |                       |
|----|-----------------------|---------------------|-----------------------|
| 1) | Street Sweeping       | 3/miles             | 2cy                   |
|    |                       |                     | Wind blown sand 684cy |
| 2) | Leaves & brush        | 5800 cy             |                       |
| 3) | De-Icing (sand)       | none                |                       |
|    | (salt)-treated        | 18 tons             |                       |
|    | (Brine/Beat oil)      | none                |                       |
| 4) | Catch Basin Cleaning  | 21ea. /27 inspected |                       |
| 5) | Hazardous waste(oils) | 28 gal.             |                       |

**Town of Trail Creek:**

- |    |                          |                            |
|----|--------------------------|----------------------------|
| 1) | Street Sweeping          | 0 – Equipment out of order |
| 2) | Leaves & brush           | 109cy                      |
| 3) | Limbs/brush              | in above                   |
| 4) | De-Icing (sand)          | none                       |
|    | (salt)                   | 70 tons                    |
| 5) | Brine/Beat)              | none                       |
| 6) | Hazardous waste(oils)    | 35 gal.                    |
|    | (other fluids-motor oil) | 75 gals.                   |

### Municipality of LaPorte:

|    |                       |             |
|----|-----------------------|-------------|
| 1) | Street Sweeping       | 1779 cy     |
| 2) | Leaves & Brush        | 77805 cy    |
| 3) | De-Icing (sand)       | none        |
|    | (salt) treated        | 1991.5 tons |
| 4) | Hazardous waste(oils) | 55 gals.    |
|    | (Motor oil)           | 750 gals.   |
| 5) | CSO Events            | 0           |

### LaPorte County Highway:

|     |                              |     |                        |
|-----|------------------------------|-----|------------------------|
| 1)  | Street Sweeping              | n/a | 1045 miles maintenance |
| 2)  | De-Icing (sand/salt mix)     |     | 22,104 tons            |
|     | (brine/beat)                 |     | 1850 gals.             |
| 3)  | Bridges designs/repairs      |     | 4ea.                   |
| 4)  | Brush/Trash removal          |     | 180 man/hrs.           |
| 5)  | Crushed stone/slag           |     | 1248 tons              |
| 6)  | Stone(s) purchased           |     | 5213 tons              |
| 7)  | Rip-Rap Stone                |     | 873 tons               |
| 8)  | AG Lime “                    |     | 264 tons               |
| 9)  | Road Patch                   |     | 2019 tons              |
| 10) | Mulch                        |     | 235 cyds               |
| 11) | Dirt                         |     | 5917 tons              |
| 12) | Fill sand                    |     | 1270 tons              |
| 13) | Asphalt Grindings(re-spread) |     | 71,893.7 tons          |
| 14) | Sand (ice)                   |     | 20,481 tons            |
| 15) | Asph-Grindings               |     | 35,419 tons            |

**Solid Waste District:**

|    |                         |                             |
|----|-------------------------|-----------------------------|
| 1) | Curbside recycling      | 8471.85 tons                |
| 2) | Household haz. Waste    | 53.75 tons(2060 households) |
| 3) | Paper shredding/recycle | 12.49 tons                  |
| 4) | Yard waste/composting   | 2,518.72 tons               |
| 5) | Tire recycling          | 82 tons                     |
| 6) | Appliance recycling     | 18 tons                     |
| 7) | Electronics/recycling   | 210.09 tons                 |

-----

**Total waste removed from landfills: 11,366.9 tons**

(Note-inkjet cartridges, cell phones and books: \$440.69 donated to Youth Service Bureau.)