



## Rule 13 - MS4 ANNUAL REPORT

State Form 51278 (R6 / 7-12)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- 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.

### 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>

| Five Year Permit Term  | Reporting Year  |
|--|---|
| <input type="checkbox"/> 1st Permit Term   | <b>Permit Year <u>2012</u></b>  |
| <input checked="" type="checkbox"/> Second and subsequent five (5) Year Permit Terms | <input type="checkbox"/> 1  |
|  | <input checked="" type="checkbox"/> 2   |
|  | <input type="checkbox"/> 3  |
|  | <input type="checkbox"/> 4  |
|  | <input type="checkbox"/> 5  |
|  | 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:   | INR   | 0 | 4 | 0 | 030 | Type of MS4:<br><input type="checkbox"/> City<br><input type="checkbox"/> Town<br><input checked="" type="checkbox"/> County<br><input type="checkbox"/> Non-traditional |
| 2. MS4 Entity:      | Vanderburgh County<br>(Name of permit holder)                     |   |   |   |     |  |
| 3. MS4 Operator:    | Marsha Abell  |   |   |   |     |  |
| 4. Mailing Address: | 305 Civic Center<br>Evansville, IN ZIP: 47708 County: Vanderburgh |   |   |   |     |  |
| 5. Email Address:   | mabell@vanderburghgov.org   |   |   |   |     |  |

### PART B: GENERAL INFORMATION – MS4 COORDINATOR

|                                    |  |
|------------------------------------|--|
| 6. MS4 Coordinator (please print): | John Stoll   |
| 7. Person's Title:                 | County Engineer  |
| 8. Mailing Address:                | 201 NW Fourth St.<br>Room 307<br>Evansville, IN ZIP: 47708 |
| 9. Telephone Number:               | 812-435-5773   |
| 10. E-mail Address:                | jstoll@vanderburghgov.org                                  |

### PART C: GENERAL INFORMATION – REPORT PREPARER

|   |
|---|
| 11. Name: John Stoll<br>(Provide this information if someone other than MS4 Operator or Coordinator completed this report.) |
| 12. Affiliation with the MS4:   |
| 13. Mailing Address:  |
| , IN ZIP:   |
| 14. Telephone Number: Extension:  |
| 15. E-mail Address:   |

**PART D: PROGRAM MANAGEMENT**  
**327 IAC 15-13-18**

**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.
- 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")
- c) Identify follow-up or additional water quality characterizations completed during the reporting period if applicable.
- d) Provide updated receiving water information completed during the reporting period if applicable.
- e) Identify funding sources (utility fees, grants, enforcement fines etc) utilized for MS4 program implementation during this reporting period.
- f) Provide a list of new active industrial sites identified during this reporting period.
- g) Provide a list of facilities owned and operated by the MS4 that require Rule 6 (industrial storm water) permits.
- h) Provide a summary of complaints received and follow-up investigation results related to storm water quality issues during this reporting period.
- i) Other:

**PART E: PUBLIC EDUCATION AND OUTREACH - MINIMUM CONTROL MEASURE**

**17. Identify the best management practices (BMPs) for public education and outreach included in your Storm Water Quality Management Plan (SWQMP) Part C and then respond to the following:**

- a) Identify progress made towards development and implementation of each BMP for this minimum control measure (MCM) including timetables and measurable goals during this reporting period.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
- f) Other:

**Rule 13 – MS4 Annual Report: Attachment A**  
**Vanderburgh County**  
**October 1, 2012**

**Part D – Program Management**

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

- a) Not applicable
- b) See enclosed maps
- c) The Vanderburgh County SWCD performed water sampling and testing on the following waterways in 2010: Bayou Creek, Bluegrass Creek, Carpentier Creek, Firlick Creek, Locust Creek, and Pigeon Creek. All data was submitted to Hoosier Riverwatch.
- d) Not applicable
- e) Approximately \$70,000 in county funds was used for the MS4 program. These funds consist of county general fund revenues, cumulative bridge funds, and county highway funds. All funds have been used for the salaries of staff members responsible for implementation of the MS4 program.
- f) See attachment
- g) Not applicable
- h)

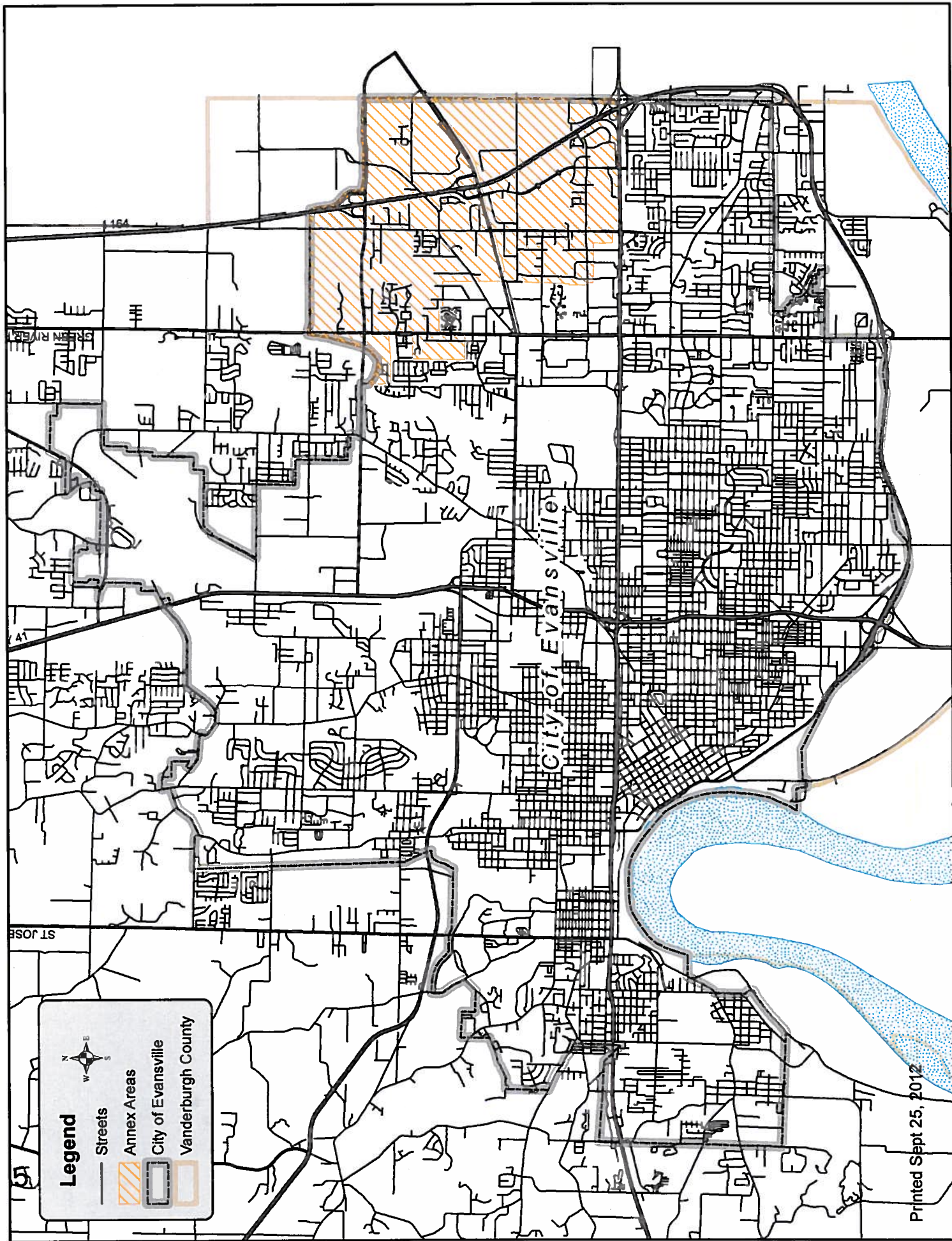
**Water Quality Complaints Received at the County Engineering Dept.,  
the County Highway Dept. and the County Surveyor's Office  
July 1, 2010 – June 30, 2012**

| DATE      | LOCATION  | INVESTIGATION AND RESULTS  |
|-----------|---|--|
| 7/20/2010 | Erosion and drainage problems from Trilogy Assisted Living on Eickhoff Rd                   | Site inspected and owners were notified that proper erosion control measures must be installed.  |
| 7/27/2010 | 8415 Fox Hollow Road – fish kill in detention pond  | Sediment accumulation has reduced depth of the pond to point that water quality has deteriorated to the point that fish cannot live; detention pond needs to be dredged by lot owners in the subdivision; no work was ever completed |
| 9/16/10   | Erosion under the road at 8106 Heather Court  | Street was excavated, voids were filled with rock, and the road was patched.   |
| 10/21/10  | 2822 Mooring Road – erosion around an unprotected soil stockpile                            | Erosion control measures were installed around the stockpile prior to its removal  |
| 2/22/2011 | Complaint of mud on roads in Kingsmont Sub - 2 new homes being built                        | Site inspected and owners were notified that proper erosion control measures must be installed.  |
| 2/25/11   | Complaint regarding mud on the streets in Kingsmont Subdivision                             | Builders were notified that erosion control must be properly installed on building sites.  |
| 2/23/2011 | Arborfield Dr. - dirt problems  | Site inspected and owners were notified that proper erosion control measures must be installed.  |
| 3/3/2011  | Wimberg Rd under RR bridge - water on road causing erosion                                  | No inlets exist under the RR bridge, so the problem cannot be corrected at the present time.   |
| 3/28/11   | Mud on Shore Road as a result of Ohio River flooding  | County Highway crews removed the mud; no way to prevent this when Ohio River floods  |
| 4/12/2011 | Mud coming up through cracks on Winterbury Dr.  | Joints need to be sealed on Winterbury Drive in order to keep water from seeping into pavement joints.   |
| 8/4/2011  | 14013 Brownwood Lane – erosion problem caused by lake construction                          | Met with property owner and provided erosion control recommendations to eliminate problem  |
| 8/10/2011 | 9600 Blyth Dr. - erosion control issue next to property                                     | Subdivision developer required to install proper erosion control measures as shown on SWPPP.   |
| 8/25/2011 | 14013 Brownwood Ln - neighbor is building a new home and lake - property owner has concerns | Recommendations provided to address drainage and erosion problems caused by construction of the lake.  |

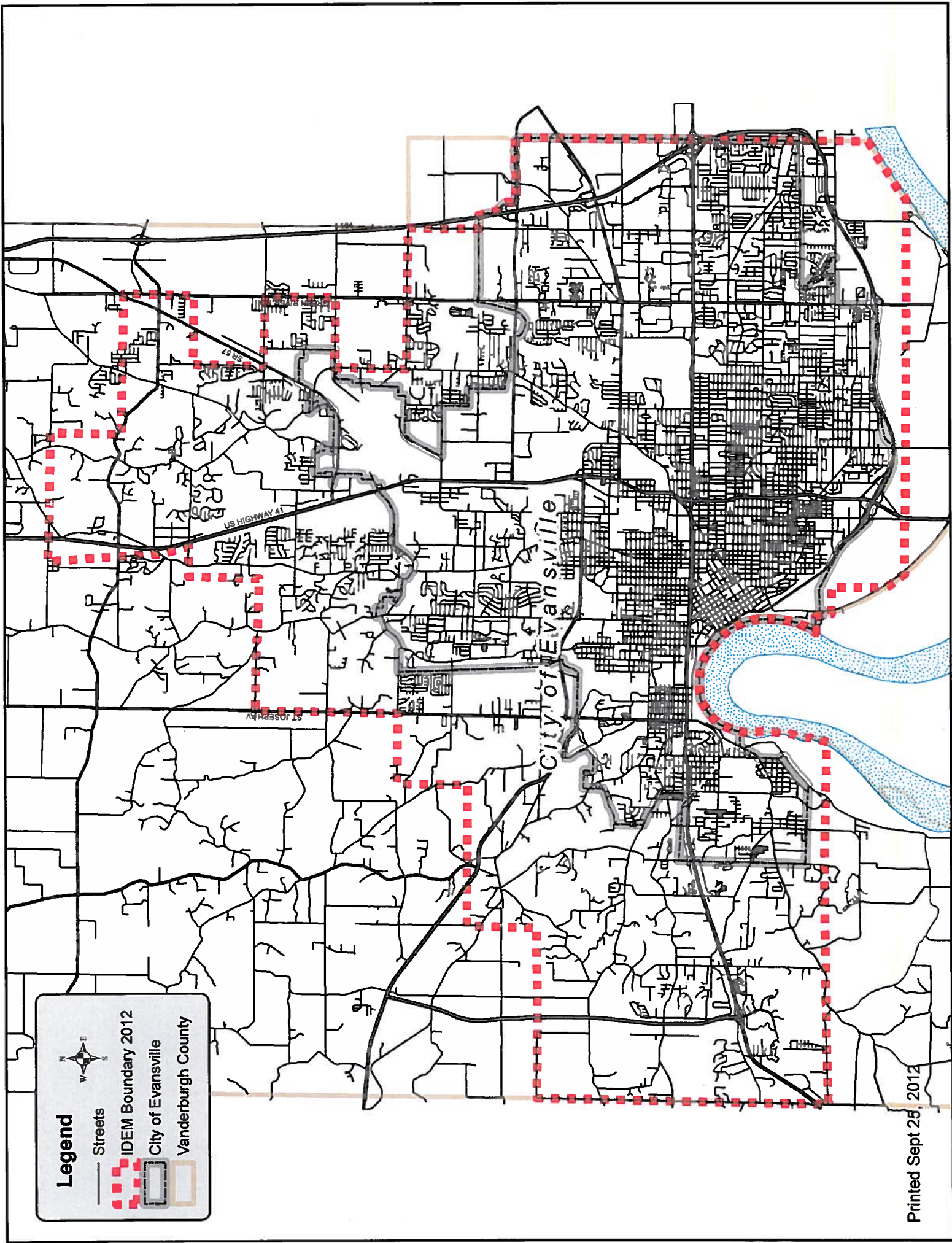
|            |  |   |
|------------|--|---|
| 9/1/2011   | 8818 Clear Creek Dr. - underground spring on property  | Property owner was told to redirect the water from the spring to a curb inlet on Clear Creek Drive south of the house. Water was clear, no sign of mud, so no apparent illicit discharge issue. |
| 9/6/2011   | 6401 W St Joe Rd - ditch erosion from driveway pipe  | County Highway Dept. re-graded ditch  |
| 9/29/2011  | 230 E Evergreen Rd - drainage pipe in yard going toward creek is causing erosion - sidewalk is sinking | Property owner responsible for repairing erosion at the end of the drainage pipe.   |
| 11/7/11    | Mud is coming up through street joints in The Villas Subdivision                                       | Joints require sealing in the concrete pavement.  |
| 11/15/2011 | 15625 Peck Rd - Poet Square Sub mud went over erosion fence and on to driveway                         | Subdivision developer required to install proper erosion control measures as shown on SWPPP.  |
| 12/21/11   | Trash trucks are leaving debris on St. Joseph Avenue near the landfill.                                | Landfill operators had to clean the streets   |
| 12/14/2011 | Erosion control - Kansas and Hwy 57  | Corrective measures were recommended to address erosion problems; additional erosion control measures were needed at the site.  |
| 1/17/2012  | 15625 Peck Rd - Poet Square Sub mud went over erosion fence and on to driveway                         | Subdivision developer required to install proper erosion control measures as shown on SWPPP.  |
| 2/2/2012   | Eickhoff & Hogue - mud and dirt on road  | The property owner needed a construction entrance for the house relocation that was being done at this location.  |

**i) Other**

Inadequate funding continues to be a significant problem that has continued to make it difficult to fully implement all BMPs. Improvements have been made since the last report, but the lack of a dedicated storm water staff has also made it difficult to complete all BMPs. As a result, various BMPs have been addressed by a number of different local offices using existing staff and existing budgets. However, this has not been sufficient to address all tasks.







| Rule 6 Industrial Permits for Vanderburgh County |               |   |                                      |            |             |
|--|---------------|---|--------------------------------------|------------|-------------|
| Status   | Permit Number | Facility                                      | Address                              | City       | County      |
| Rule 6 Exemption: No Exposure                    | INR23X048     | Chesapeake Pharmaceutical Packaging Company   | 15220 Foundation Avenue              | Evansville | Vanderburgh |
| Rule 6 Exemption: No Exposure                    | INR500038     | Bondline Adhesives                            | 500 N Woods Avenue                   | Evansville | Vanderburgh |
| Rule 6 Exemption: No Exposure                    | INR20X307     | Safety-Kleen Systems, Inc.                    | 4417 St. Joe Avenue                  | Evansville | Vanderburgh |
| Rule 6 Exemption: No Exposure                    | INR800249     | Tenneco                                       | 5400 Foundation Avenue               | Evansville | Vanderburgh |
| Rule 6 Gen Permit Amendment                      | INR800319     | CSX Intermodal                                | 2710 Dixie Flyer Road                | Evansville | Vanderburgh |
| Rule 6 Gen Permit Amendment                      | INR800177     | YRC, Inc. (322)                               | 8600 Baumgart Rd                     | Evansville | Vanderburgh |
| Rule 6 Gen Permit Renewal                        | INR320023     | CSX Transportation, Inc. -Howell Yard         | 2710 Dixie Flyer Road                | Evansville | Vanderburgh |
| Rule 6 Gen Permit Renewal                        | INR320032     | Mulzer Crushed Stone, Inc.                    | Old Henderson Road                   | Evansville | Vanderburgh |
| Rule 6 Gen Permit Renewal                        | INR320026     | Mulzer Crushed Stone, Inc.                    | South Green Road                     | Evansville | Vanderburgh |
| Rule 6 Gen Permit Renewal                        | INR500031     | Mulzer Crushed Stone, Inc.                    | South Wathen Road                    | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR600023     | Veolia ES Solid Waste Midwest, Inc.           | 12800 North Warrick County Line Road | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR800060     | AAA Auto Parts, Inc.                          | 3718 N. St. Joseph Avenue            | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR600086     | Gibco Motor Express -Vanderburgh Shop         | 12600 Warrick Co Line Road           | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR120008     | Glisson Salvage U-Pull-It                     | 3800 North St. Joseph Avenue         | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR00N030     | Midwestern Pet Foods, Inc.                    | 9634 Hedden Rd                       | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR800155     | Nunn Milling Company                          | 4700 New Harmony Road                | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR230110     | Veolia ES Waste Midwest, Inc.                 | 8136 Bangart Road                    | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR120019     | Wabash Plastics, Inc.                         | 1300 Burch Drive                     | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR110366     | Azteca Milling L.P.                           | 15700 Hwy 41 N                       | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR230022     | Brake Supply Company                          | 5501 Foundation Boulevard            | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR230234     | DSM Engineering Plastics                      | 2267 West Mill Road                  | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR200020     | Graham Packaging Company, L.P.                | 5504 Foundation Drive                | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR700026     | Indiana Tube Corporation                      | 2100 Lexington Avenue                | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR210047     | J H Rudolph & Company -Green River Road Plant | 3300 South Green River Road          | Evansville | Vanderburgh |
| Rule 6 General Permit                            | INR800156     | Pittsburgh Glass Works, LLC.                  | 424 East Inglefield Road             | Evansville | Vanderburgh |
|  |               | USF Holland, Inc.                             | 8901 N. Kentucky Ave.                | Evansville | Vanderburgh |

**Rule 13 – MS4 Annual Report: Attachment B**  
**Vanderburgh County**  
**October 1, 2012**

**Part E - Public Education and Outreach – Minimum Control Measure**

**17. Identify the BMPs for public education and outreach included in your SWQMP Part C and then respond to the following:**

**a) *Distribute Public Information Materials***

No fact sheets were developed in 2010 or 2011.

***Assess the Public's Existing Awareness Level on Wet Weather Issues***

No new surveys were conducted during this reporting period.

***Incorporate Water Quality Education in the Schools***

Water quality presentations were given in the following schools:

| <b>Date</b> | <b>Location</b>          | <b>No. of Students</b> |
|-------------|--------------------------|------------------------|
| 9/20/2010   | New Tech Institute       | 99                     |
| 2/14/2012   | Hebron Elementary School | 141                    |
| 2/27/2012   | Evansville Day School    | 128                    |
| 2/27/2012   | Christ the King School   | 16                     |
| 3/1/2012    | Central High School      | 24                     |
| 3/7/2012    | Central High School      | 23                     |

In April, 2011, the SWCD had planned to work with Daniel Wertz School to do a tree planting project with Burdette Park. However, this had to be cancelled due to flooding. Burdette Park crews had to plant the trees without the school's participation since the trees were not planted until school was no longer in session.

***Promote Household Hazardous Waste Programs***

The Vanderburgh County Solid Waste District continues to promote recycling and proper disposal of household hazardous waste in many ways. Since the last report, the District had the following public education and outreach:

In 2010, the District sponsored a billboard contest with the theme "Recycle". 545 students participated in the contest, and the winners received \$200 each.

In 2011 the District sponsored a billboard contest with the theme "Recycling is Hot". 938 students participated in the contest. Three winners received \$200 each.

The District continued distribution of the "Trash Talk!" newsletter to 4<sup>th</sup> and 5<sup>th</sup> grade students during the 2011 – 2012 school year.

The District provided presentations to numerous clubs, organizations, and school groups in order to promote waste reduction, reuse, and recycling.

The District also promoted recycling and proper disposal through the distribution of flyers throughout the Civic Center to notify city and county employees of recycling opportunities, by publishing recycling dates in neighborhood association newsletters, and by posting recycling locations on their website. The website lists dozens of locations to recycle many different items. The site includes eleven sites that recycle used motor oil.



The Vanderburgh Solid Waste District continued to sponsor drop-off recycling days. From July 1, 2010 through December 31, 2010, 10 drop-off recycling events were held. Data exclusively for the second half of 2010 is not available, but a total of 194 tons of recyclables were collected in the 21 total events that were held in 2010. In 2011, twenty-one events were held at three sites in Vanderburgh County. A total of 189 tons of recyclables were collected during in 2011. From January 1, 2012 through June 30, 2012, 11 drop-off recycling days have been held.

Recyclables accepted at these drop-off days included newspaper, household mixed paper, magazines and catalogs, corrugated cardboard, glass containers, #1 and #2 plastic bottles, aluminum cans and metal cans.

The amount of materials recycled as a result of the Solid Waste District programs is as follows:

| <b>Electronics Recycling</b> |                        |                      |
|------------------------------|------------------------|----------------------|
|                              | <b>No. of Vehicles</b> | <b>No. of Pounds</b> |
| Fall 2010                    | 400                    | 48,456               |
| Spring 2011                  | 904                    | 118,091              |
| Fall 2011                    | 983                    | 125,218              |
| Spring 2012                  | 810                    | 96,746               |

The items accepted included computers, computer equipment, televisions, digital cameras, DVD players, and fax machines. The data includes residents of both the City of Evansville and Vanderburgh County.

| <b>Household Hazardous Wastes</b> |                        |                          |                      |
|-----------------------------------|------------------------|--------------------------|----------------------|
| <b>Year</b>                       | <b>No. of Vehicles</b> | <b>No. of Households</b> | <b>No. of Pounds</b> |
| 2010                              | 1,271                  | 1,412                    | 126,185              |
| 2011                              | 1,087                  | 1,177                    | 92,634               |

These household wastes were collected at the Solid Waste District's annual "Tox-Away Day". The items accepted at this event included motor oil and filters, oil based paint, automotive batteries and fluids, solvents and thinners, gasoline, antifreeze, household batteries, pesticides and herbicides, thermometers/mercury, aerosol cans, household cleaners, glues and adhesives, photographic chemicals, pool chemicals, fluorescent bulbs and pharmaceuticals. The data on the number of households includes residents from both Vanderburgh County (including the City of Evansville) and Posey County. No data can be provided solely for Vanderburgh County residents outside the city limits.

The Solid Waste District sponsored the collection of corrugated cardboard, aluminum cans and plastic bottles at the 2010 and 2011 West Side Nut Club's annual Fall Festival. This festival has tens of thousands of attendees each year. In 2011, 9,900 pounds of corrugated cardboard were collected and recycled as were 420 pounds of aluminum and plastic. In 2010, 12,000 pounds of corrugated cardboard were collected, and 238 pounds of aluminum and plastic were recycled.

The District also sponsored a tire recycling program. In 2010, 172 vehicles brought 1,413 tires to be recycled. In 2011, 223 vehicles brought 1,804 tires to be recycled. This recycling program covered both City of Evansville and Vanderburgh County residents.

***Publish Public Education Materials on Community Websites***

Public education material is posted on the Vanderburgh County Solid Waste District website, the Vanderburgh County Engineering Dept. website and the Vanderburgh County SWCD website.

The websites continue to be in English only. No data has indicated the need for a second language.

No radio or TV public service announcements were developed during this reporting period.

***Include Storm Water Program at Community Functions***

The Vanderburgh County SWCD had a booth that provided water quality information at the Vanderburgh County 4H Fair in 2010 and 2011.

Mike Wathen, Erosion Control Specialist for Vanderburgh County, assisted the City of Evansville's MS4 Coordinator with the rain barrel auction at Earth Day activities at the Evansville Zoo in April 2012.

The Vanderburgh County SWCD participated in Earth Day activities in 2011. The SWCD provided educational materials regarding conservation and water quality.

The Vanderburgh County Surveyor's Office worked with the Westside Improvement Association at National Night Out events to provide water quality education opportunities for children.

- b) Due to a staff member leaving and the relocation of the SWCD office, school presentation data for 2011 is not available from the SWCD. The SWCD files have been in storage, so they have been inaccessible to the new office staff. The new SWCD staff has been made aware of the data required for these reports so that they can track the appropriate data for the next report.

Overall, the lack of dedicated storm water funds and inadequate staffing prevented implementation of all BMPs.

- c) Not applicable.

- d) Non-structural BMPs included water quality education in schools, recycling programs, and storm water education at community events. No new BMPs were initiated.

- e) Vanderburgh County continues to partner with the City of Evansville MS4 and with the Vanderburgh County SWCD to provide educational opportunities in schools. This has been successful in educating school children who reside in Evansville or in Vanderburgh County.

Another success has been the Solid Waste District. The 2012 budget for the District is less than the 2010 budget, but the District has been able to slightly expand the number of recycling opportunities during this time frame. This is despite the fact that they have had to lay off an employee and they have had to discontinue their TV advertising.

- f) Not applicable

**PART F: PUBLIC PARTICIPATION AND INVOLVEMENT - MINIMUM CONTROL MEASURE**

**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.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
- f) Other:

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

**19. Identify the best management practices for illicit discharge detection and elimination (IDDE) 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 (mapping, screening, etc.).
- b) Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.
- c) Identify changes made to the IDDE Plan during this reporting period if applicable.
- d) Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.
- e) Describe level of mapping and screening completed to date. If there are unmapped or unscreened outfalls, provide a plan and a timetable for completion.
- f) Other:

**Rule 13 – MS4 Annual Report: Attachment C**  
**Vanderburgh County**  
**October 1, 2012**

**Part F – Public Participation and Involvement – Minimum Control Measure**

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

**a) *Assess Current Interest in Volunteer Programs***

No new assessments were made during this reporting period.

***Advertise Volunteer Initiatives Related to Storm Water***

The Vanderburgh County SWCD advertised volunteer opportunities in its newsletter. These included Riverwatch training in 2010 and 2011, and a stream cleanup opportunity in 2011. The Westside Improvement Association neighborhood association newsletter also advertised for Hoosier Riverwatch training during this reporting period. Over 300 newsletters are distributed each month. The newsletters for both of these organizations are also available online. The Earth Day rain barrel program and auction was promoted in the newspaper and on local television. A specific count of the number of times that public participation opportunities were advertised is not available.

***Stream Clean-Up Programs***

The SWCD coordinated with Living Lands and Waters in 2011 to schedule a cleanup on the Ohio River banks in Evansville and Vanderburgh County. However, this cleanup was unable to be done due to flooding on the Ohio River. This cleanup was ultimately rescheduled to June 14, 2011, but the cleanup was moved to Warrick County.

***Establish a Storm Water Complaint and Information Hotline***

The phone number for the Vanderburgh County Engineering Dept. is listed on the Vanderburgh County website as the phone number to call for storm water complaints. [Stormwater@vanderburghgov.org](mailto:Stormwater@vanderburghgov.org) was also established as an email address to contact the county with complaints regarding storm water.

In addition to the engineer's office and the email address, storm water complaints continue to be received at the Vanderburgh County Highway Department, the Vanderburgh County Surveyor's Office, and the SWCD.

The data regarding storm water quality complaints and their investigation results are shown in item 16h.

***Implement Storm Drain Markings***

257 new curb inlets have "No Dumping – Drains to Creek" messages stamped in the inlet castings during this reporting period. All of these were stamped messages in the drain castings. No drain marking programs were done.

***Conduct Program Presentations at Public Meetings***

One presentation was completed at a televised meeting of the Vanderburgh County Commissioners in 2012.

***Establish a Storm Water Quality Focus Group***

No focus group was established during this reporting period.

- b)** The last annual report stated that a database was going to be established in order to better track all complaints received. However, personnel changes in the county's computer

services department prevented that project from being completed. As a result, data regarding complaints still has to be gathered from multiple offices. This is not expected change in the near future due to the lack of available personnel needed to complete the database project. Staff of the County Engineering Dept. will continue to attempt to provide spreadsheets or other appropriate means for other offices to document the data needed for the MS4 program.

Staff changes at the SWCD and the relocation of the SWCD office also made it difficult to collect applicable data from that office. Overall, the lack of dedicated storm water funds and inadequate staffing prevented implementation of all BMPs.

c) Not applicable.

d) Identify storm water BMPs installed or initiated during this reporting period

e) The Vanderburgh County SWCD provided assistance in complying with this MCM, although no interlocal agreement exists between Vanderburgh County and the SWCD. However, due to staff changes, the data regarding the participation is incomplete and/or vague. The only data provided was for 2010, and it did not provide details of the events. The data provided is as follows:

#### **SWCD Programs July 2010 - December 2010**

| <b>Programs</b>                 | <b>Date</b>        | <b># Reached</b> | <b>Details</b>  |
|---------------------------------|--------------------|------------------|---|
| Vanderburgh Co. Fair            | 7-28-10 to 7-31-10 | 2000             | Rain gardens, rain barrels, Stormwater runoff             |
| Soils Conference                | 8/5/2010           | 160              | Soil types, runoff, conservation methods                  |
| Master Gardeners                | 8/10/2010          | 200              | Soil basics, stormwater, flooding, rain gardens           |
| Riverwatch                      | 8/28/2010          | 8                | Water quality, stormwater & quantity - youth & adults     |
| Riverwatch Tech HS              | 9/1/2010           | 100              | Water quality, stormwater & quantity - youth & adults     |
| Soils Judging HS                | 9/14/2010          | 50               | Soil components education and competition                 |
| Professional Training Institute | 9/21/2010          | 50               | Stormwater -plan review, post construction, soils         |
| Agricultural Practices          | 9/17/2010          | 10               | NRCS discuss & set ag practice priorities for county      |
| Technical HS                    | 9/20/2010          | 45               | Water presentations by students - discuss & critique      |
| Monitoring                      | 9/22/2010          | 3                | Training for new water monitors                           |
| Display Master Gardeners        | 10/2/2010          | 50               | Water quality and rain garden display and handouts        |
| KEB luncheon invitee            | 10/13/2010         | 20               | TMDL discussions, rain garden, rain barrels, etc.         |
| IDEM TMDL meeting               | 10/13/2010         | 10               | Discussion of Pigeon watershed and TMDL study             |
| KKEB ALCOA EDUC                 | 10/25/2010         | 200              | Educational activities for teachers, students and parents |
| Water quality meeting           | 11/17/2010         | 5                | Submission and discussion of current data & programs      |
| SWCD Area Meeting               | 11/30/2010         | 30               | Programs on current projects, including water grants      |
| Newsletter Articles             | 12/1/2010          | 600              | Phosphate contamination, water quality                    |
| Riverwatch ecoli training       | 12/8/2010          | 1                | Understanding and measuring ecoli in water                |
| Riverwatch ecoli training       | 12/15/2010         | 2                | Understanding and measuring ecoli in water                |

Since no detailed description of these events was provided, it could not be determined which of these events should be classified as public participation and which would be public education. Better record keeping is needed in order to classify these activities in the correct MCM.

f) Not applicable



**Rule 13 – MS4 Annual Report: Attachment D**  
**Vanderburgh County**  
**October 1, 2012**

**Part G – Illicit Discharge Detection and Elimination – Minimum Control Measure**

**19. Identify the best management practices for illicit discharge detection and elimination included in your SWQMP Part C and then respond to the following:**

**a) *Map Storm Sewer Conveyance***

Although storm sewer mapping was completed as of the last report, MS4 mapping has continued to be updated to reflect new construction and reductions due to annexation. A total of 183,556 LFT of MS4 storm sewers have been mapped, and 135,442 LFT of ditches have been mapped.

***Promote Household Hazardous Waste and Recycling***

The Vanderburgh County Solid Waste District has continued to promote and publicize recycling programs for this reporting period. Specific data for the recycling programs is provided the Public Education section of this report.

***Adopt Illicit Discharge Ordinance***

An illicit discharge ordinance was adopted in 2007, and attempts to enforce the ordinance are continuing.

***Develop Illicit Discharge Detection and Elimination Plan***

Outfall screening has been completed as outlined in the IDDE Plan. The annual training of county employees has also included reminders to look for illicit discharges as they do their work. The training also included reminders to never dump anything in any waterways.

***Perform Dry Weather Screening***

See item e) below.

***Update Industrial Facilities Database***

See attachment

- b)** During this reporting period, only three calls have been received regarding potential illicit discharge violations. These three complaints were investigated, but none were found to be ordinance violations. In order to attempt to better inform the public about this issue, a power point presentation was given at the June 5, 2012 meeting of the Vanderburgh County Commissioners. These meetings are broadcast on local public television, so the presentation was given in an attempt to educate all county residents about illicit discharges. County employees are also reminded to call regarding any potential illicit discharges that they might see. However, this has all had little success.

The reporting of spills has also had very little success. Staff members of the county engineering department have attempted to work with emergency responders in order to be able document any spills and their associated cleanups. However, this data is still not reported consistently. Attempts to gather the data will continue.

The Vanderburgh County storm water information pages on the Vanderburgh County website were updated in late 2011 and early 2012 in order to provide more detailed information regarding illicit discharges. This has not led to any additional illicit discharge complaints from county residents.

Two Vanderburgh County staff members involved in the mapping and inspection of the MS4 system attempted to get Hoosier Riverwatch training in June 2012. However, the registration materials listed an incorrect date for the training, so the staff was unable to complete this training during this reporting period. The training was obtained on September 8, 2012 and will be reported in the 2012 – 2014 reporting period.

No significant problems have been encountered in the mapping and screening of outfalls.

**c) Identify changes made to the IDDE Plan during this reporting period if applicable.**

Not applicable.

**d) Identify updates or revisions to the IDDE ordinance or other regulatory mechanism made during this reporting period.**

Not applicable.

**e) Describe level of mapping and screening completed to date.**

164 outfalls were screened between November 2011 and February 2012. During these initial inspections, 43 outfalls had flows. No illicit discharges were detected, so none were eliminated. These 43 outfalls were then re-inspected in June 2012, and flows were found at 4 outfalls. Two of these flows were found to be discharges from lakes, one was water from air conditioning condensation, and one was found to be water trickling from a flat ditch that was holding a small amount of water. No illicit discharges were found.

Mapping is discussed in item 19a) above.

**f) Other**

Although no formal agreements exist, Vanderburgh County partners with the City of Evansville and with the Vanderburgh County SWCD to report and/or investigate illicit discharges. When making presentations, each agency routinely provides contact information for both city and county residents to call if illicit discharges need to be reported.

Attempts at better public education have been made through the website updates and through the illicit discharge presentation at the televised commissioners' meeting.

#### PART H: CONSTRUCTION SITE STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

**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.
- b) Describe program implementation partnerships and explain successes and barriers during this reporting period.
- 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.
- d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.
- 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.
- f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.  
Does Not Apply
- g) Other:

#### PART I: POST-CONSTRUCTION STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

**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.
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.
- c) Describe program implementation partnerships and explain successes and barriers.
- 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.
- e) Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.
- f) Other:

**Rule 13 – MS4 Annual Report: Attachment E**  
**Vanderburgh County**  
**October 1, 2012**

**Part H – Construction Site Storm Water Runoff Control – Minimum Control Measure**

**20. List the best management practices for the construction site runoff program identified in your SWQMP Part C and then respond to the following:**

**a) *Adopt Drafted Construction Site Storm Water Runoff Control Ordinance***

Ordinance has been adopted and is continuing to be enforced

***Incorporate Construction Site BMP Manual***

IDEM Storm Water Quality Manual is used as a reference for construction site BMPs in the county ordinance.

***Implement Plan Review Process***

Plan review process is continuing

***Begin Construction Site Inspection Program***

See items c) and e) below.

***Develop Construction Site Runoff Control Training***

See items d) and e) below.

***Coordination with IDEM, IDNR, and SWCD***

The Vanderburgh County SWCD has reviewed plans for five county owned projects during this reporting period. These projects are the Burdette Park – USI Bike Path, the reconstruction of Peck Road, the reconstruction of Millersburg Road, the U.S. 41 – I-64 Utility Improvement Project, and the construction of University Parkway.

Vanderburgh County has worked with IDEM as needed in response to complaints received by IDEM and/or inspections done by IDEM. Sites investigated included the Burdette Park – USI Bike Path and an agricultural excavation site next to S.R. 66 and Locust Creek.

As requested by IDEM personnel, Vanderburgh County MS4 staff will also perform more self-inspections of sites owned by the County where the County has hired consultants to oversee the project construction.

- b)** Vanderburgh County has been successful in working with the City of Evansville MS4 in providing training seminars for contractors and designers. The County and City MS4 personnel have also routinely notified one another in regard to construction site problems that one MS4 has found in the other's jurisdiction. Vanderburgh County has also had an on-going successful partnership with the SWCD. SWCD personnel and Vanderburgh County MS4 personnel routinely perform site inspections with one another. No formal interlocal agreements exist between Vanderburgh County and the City of Evansville or the SWCD

The main barrier in the construction site runoff control MCM remains resistance by developers and contractors. While progress has been made, it can still be difficult to get plans properly implemented by some developers and contractors. It has also been a difficult to get self-inspection reports completed at some sites. Informing site operators that they could be fined has usually led to their cooperation.

Another barrier is the lack of local funding. Because of this, it is difficult to get travel requests approved, which prevents attending training outside of the Evansville area.

- c)** 25 construction sites were permitted by Vanderburgh County during this reporting period. The SWCD reviewed and approved plans for 5 county owned sites during this period. 138 site inspections were made during this reporting period. These inspections identified 161 separate unsatisfactory items that were noted on the inspection reports that were provided to the site operators. Follow up inspections showed that these items were satisfactorily corrected on all but four sites. These four sites had "notice of violation" letters sent as required by the Vanderburgh County ordinance. After these letters were sent, the deficiencies were corrected within the ten day limit established by the county ordinance. No fines were issued to any construction site operators during this reporting period
- d)** A storm water workshop for contractors, developers, and consultants was held on April 8, 2011. Topics included construction BMPs, green infrastructure, and local ordinances.
- e)** Mike Wathen, CPESC, attended the following:  
"2012 Erosion Control Seminar" in Evansville on February 7, 2012  
"2011 Professional Landscape Management School" in Evansville on January 27, 2011  
"Storm Water Workshop for Contractors, Builders, Developers, Excavators, Engineers, Utilities, and Consultants" on April 8, 2011  
John Stoll, P.E., attended the following:  
"2012 MS4 Annual Meeting" in Indianapolis on May 17, 2012  
"2011 MS4 Annual Meeting" in Indianapolis on May 24, 2011
- f)** No revisions made during this reporting period.
- g)** Not applicable



**Rule 13 – MS4 Annual Report: Attachment F**  
**Vanderburgh County**  
**October 1, 2012**

**Part I – Post-construction Storm Water Runoff Control – Minimum Control Measure**

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

**a) *Adopt Post Construction Storm Water Runoff Ordinance***

Ordinance has been adopted.

***Incorporate Post Construction BMP Manual***

The county ordinance refers to the IDEM Storm Water Quality manual as an acceptable reference.

***Implement Plan Review Process***

The Erosion Control Specialist employed in the Vanderburgh County Engineering Dept. continues to review post-construction plans.

The training received during this reporting period is as follows:

Indiana LTAP Stormwater Drainage Conference on February 10, 2011 and on February 9, 2012.

IDEM TMDL workshop on October 5, 2010.

***Begin BMP Inspection Program***

The table shown below provides the post-construction BMPs used in the sites permitted during this report period. These BMPs are inspected as construction of the projects progresses. All BMPs shown in this table are privately maintained.

| Vanderburgh County Projects<br>July 1, 2010 - June 30, 2012 |   |                             |                       |                    |                       |       |
|---|---|-----------------------------|-----------------------|--------------------|-----------------------|-------|
| Project Name  | Vanderburgh<br>County Project<br>Number | Post Construction BMPs Used |                       |                    |                       |       |
|   |   | Forebay                     | Catch Basin<br>Insert | Detention<br>Basin | Grass Filter<br>Strip | Other |
| Sheffer Plaza   | 213                                     |                             |                       | x                  |                       |       |
| 34 N Redbank  | 214                                     |                             |                       |                    | x                     |       |
| Enviroplas Inc  | 215                                     |                             | x                     |                    |                       |       |
| Lucas Car Wash  | 216                                     |                             | x                     |                    |                       |       |
| Eagle Valley Community Center                               | 217                                     |                             | x                     |                    | x                     |       |
| ERB Equipment   | 218                                     |                             | x                     |                    | x                     |       |
| Wynnfield Subdivision                                       | 220                                     |                             |                       | x                  | x                     |       |
| AT&T Waterworks   | 221                                     |                             |                       |                    | x                     |       |
| 8000 Pollack Ave  | 223                                     |                             |                       |                    |                       |       |
| Vecteren 345k   | 224                                     |                             |                       |                    | x                     |       |
| Cameron Creek Subdivision                                   | 225                                     |                             | x                     | x                  | x                     |       |

|                                     |     |   |   |    |    |   |
|-------------------------------------|-----|---|---|----|----|---|
| Azteca Silos                        | 226 |   |   |    | x  |   |
| Interstate Crossing                 | 228 |   | x | x  | x  |   |
| 14111 Brownwood Lane                | 230 |   |   |    | x  |   |
| Poet Square                         | 231 | x | x | x  | x  |   |
| Runway 4-22 Eville Regional Airport | 233 |   |   |    | x  |   |
| Jacobs Village Phase 2              | 234 |   |   | x  | x  |   |
| Heartland Pump                      | 235 | x |   | x  | x  |   |
| Community Tennis                    | 236 |   |   | x  | x  |   |
| Dollar General Store                | 240 |   | x |    |    |   |
| Blue Grass United Church            | 241 |   | x |    |    |   |
| Lincoln Dane Estates                | 242 |   |   | x  | x  |   |
| Lynn Johnson Classic Car            | 243 |   |   |    | x  |   |
| Wynnfield Section 6                 | 244 |   |   | x  | x  |   |
| Shawn Sapp Auto Repair              | 245 |   |   | x  | x  |   |
|                                     |     |   |   |    |    |   |
| Totals                              |     | 2 | 9 | 11 | 19 | 0 |

The Cameron Creek Subdivision site was the only site that included the construction of a new retail gasoline outlet. The site was inspected in May 2012, and the catch basin inserts had been installed and were not in need of any maintenance. They will continue to be monitored in order to ensure that they remain in place in order to collect any spills.

***Develop Post Construction Site Runoff Control Training***

No training session was provided during this reporting period.

- b) The use of curb inlet and catch basin inserts has become common method of post-construction pollution control shown on Vanderburgh County post-construction plans. However, based on field inspections, in some locations these inserts are not necessarily being properly maintained. It does not appear that these are being properly cleaned as they fill up with debris. These will continue to be monitored in order to determine if these BMPs will continue to be allowed in Vanderburgh County. Since these inserts require regular maintenance, and since Vanderburgh County does not own a vacuum truck, the use of inserts in publicly maintained streets has already been discontinued.

Another problem encountered was the availability of training. Due to inadequate funding, travel requests to attend out of town training seminars are generally not approved. Staff will continue to pursue travel requests, but the lack of county funding may continue to prevent approval of the requests.

- c) No partnerships existed during this reporting period.
- d) No training was provided during this reporting period.
- e) Not applicable
- f) Not applicable.

**Rule 13 – MS4 Annual Report: Attachment G**  
**Vanderburgh County**  
**October 1, 2012**

**Part J – Municipal Operations Pollution Prevention and Good Housekeeping – Minimum Control Measure**

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

**a) *Increase Litter Pick Up***

Litter pickup programs were coordinated by the Vanderburgh County Sheriff's Department for county roads during this reporting period. However, specific data regarding the number of streets where litter was picked up was not available. Routine pickup of large items (resulting from illegal dumping) was done by county highway department crews

***Develop a Street Sweeping Program***

No street sweeping has been done during this reporting period due to lack of funding.

***Begin Catch Basin Cleaning***

***Implement Storm Sewer and BMP Structure Cleaning***

The Vanderburgh County Highway Department has continued to clean catch basins and storm sewers located within street rights of way. The total lengths of storm sewers cleaned and the number of ditches stabilized were not available from the County Highway Dept. Based on work order records, it is estimated that a minimum of 13,500 linear feet of ditches were cleaned and stabilized during this reporting period. The amount of material removed from the storm sewers, catch basins, and ditches was unavailable.

***Update Winter Weather Deicing Applications***

Vanderburgh County continues to own and operate one covered salt storage building located at the Vanderburgh County Highway Department. The Vanderburgh County Highway Department estimated that approximately 4,000 tons of salt were used in the 2010 – 2011 winter, and approximately 1,500 tons of salt were used during the 2011 – 2012 winter. In addition to salt, Vanderburgh County continues to pretreat roads with brine and beet juice in advance of snow events. Approximately 150,000 gallons of brine and 15,000 gallons of beet juice were used in the winter of 2010 – 2011. Approximately 50,000 gallons of brine and 5,000 gallons of beet juice were used in the winter of 2011-2012.

***Minimize Fertilizer and Herbicide Applications***

The Vanderburgh County Highway Dept. does not use pesticide. It is estimated that 80 gallons of herbicides were used by the highway department during this reporting period, but no estimate is available for the acreage covered. The herbicides used by the highway department do not require any certifications for application.

Herbicides and pesticides are also used at Burdette Park. However, no estimates are available for the total quantities of herbicides or pesticides used at the park. According to the park manager, only small quantities of herbicides and pesticides are used throughout the park's 165 acres.

***Develop Standard Operating Procedures and Training for County Operations***

The following training was provided to county employees:

June 25, 2010 – Vanderburgh County Sheriff's training center – "Municipal Storm Water Pollution Prevention" video – 1 attendee

July 1, 2010 – Burdette Park – "Municipal Storm Water Pollution Prevention" video – 7 attendees

August 4, 2010 – Vanderburgh County Highway Dept. – “Municipal Storm Water Pollution Prevention” video and “Controlling Oil” video – 43 attendees  
August 12, 2010 – Vanderburgh County Highway Dept. – “Municipal Storm Water Pollution Prevention” video and “Controlling Oil” video – 6 attendees  
August 18, 2011 - Vanderburgh County Sheriff’s training center – “Municipal Storm Water Pollution Prevention” video – 1 attendee  
August 2011 – Vanderburgh County Highway Dept. – two videos – 42 attendees  
Burdette Park employees were also shown videos again in 2011, but the dates were not provided.

***Evaluate Flood Control Projects for Opportunities to Address Water Quality***

Since the last annual report, no new flood control projects have been undertaken by Vanderburgh County. As a result, no water quality improvements were integrated in any flood control projects.

- b)** It has still been difficult to get all county offices to provide the data needed for this section of the report. However, recent staff changes at the county highway department have improved the data collection efforts. The County Engineering Department will continue to provide forms, spreadsheets, etc. in an attempt to simplify and expedite the data collection process from other county offices.

Inadequate funding has also been a problem that has prevented the implementation of an on-going street sweeping program.

The lack of funding has also prevented the construction of a canopy at the county highway department fueling station.

- c)** A canopy was added over the fueling station at Burdette Park. Secondary containment measures have been added at the County Highway Dept., Burdette Park, and the Sheriff’s Training Center. These measures have been added for fuel containers, automotive fluids, and miscellaneous open containers such as paints, herbicides, etc. Semi-annual facility inspections of the County Highway Department, Burdette Park, and the Sheriff’s Training Center are continuing. The cleaning of MS4 storm sewers and ditches is also continuing, although better documentation of those activities is required.
- d)** A description of the training provided for county employees is described in item 22a above.
- e)** Not applicable.

**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.
- 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.
- c) Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.
- d) Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.
- e) Other:

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: Marsha Abell

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

*Marsha Abell*

*09/29/2012*  
(mm/dd/yyyy)