



RULE 13 ANNUAL REPORT

State Form 51278 (R2 / 11-03)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

NOTE:

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

For questions regarding this form, contact:

IDEM – Rule 13 Coordinator
 100 North Senate Avenue, Rm 1255
 P.O. Box 6015
 Indianapolis, IN 46206-6015
 Phone: (317) 234-1601 or
 (800) 451-6027, ext. 41601 (within Indiana)
 Web Access:
<http://www.in.gov/idem/water/npdes/permits/wetwthr/storm/rule13.html>

REPORTING YEAR (Check one)
<input type="checkbox"/> 2006
<input type="checkbox"/> 2007
<input checked="" type="checkbox"/> 2008
<input checked="" type="checkbox"/> 2009
<input checked="" type="checkbox"/> 2010
<input type="checkbox"/> 2011
<input type="checkbox"/> 2012
<input type="checkbox"/> 2013

PART A: GENERAL INFORMATION – MS4 OPERATOR

1. Report Completed By: Allen County Surveyor's Office on behalf of the Allen County Commissioners (MS4 Operator — i.e., name of permit holder)		
2. Permit Number: INR 0 4 0 131		
3. Mailing Address Street Address: Room 610, City County Building, One East Main Street		
<input checked="" type="checkbox"/> City <input type="checkbox"/> Town	Of: Fort Wayne	Zip: 46802 County: Allen

PART B: GENERAL INFORMATION – CONTACT PERSON

4. Contact Person Name (please print): Al Frisinger	
5. Contact Person Title: County Surveyor	
6. Phone Number: (260) 449-7625	
7. Facsimile Number (if applicable): (260) 449-7627	
8. E-mail Address (if applicable): al.frisinger@co.allen.in.us	

PART C: CONTROL MEASURE ACTIVITIES

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

a. Public Education and Outreach:

In July 2002, the City of Fort Wayne, City of New Haven and Allen County partnered to express their commitment to water resource education by creating the Allen County Partnership for Water Quality (ACPWQ). The activities of this Water Quality Partnership will be utilized heavily to fulfill the Public Education and Public Involvement requirements for the NPDES Phase II requirements. The Allen County Surveyor's Office will oversee Illicit Discharge, Construction, and Post Construction compliance and the county municipal facilities will be tasked with complying with the Good Housekeeping and Pollution Prevention Minimum Control Measure.

The Allen County Partnership for Water Quality hired a Water Resource Education Specialist (Matt Jones) with the task of better educating the public and media on water resource issues. The ACPWQ focuses its educational efforts on stormwater pollution, combined sewer overflow, watershed issues, and improving stormwater quality. The Allen County Partnership for Water Quality focused on water quality education within the area high schools and other youth type groups. Additionally, the Partnership focused on education of water quality issues at the various county and city festivals. The staff provides information to the public through public presentations, booths at fairs and festivals, distribution of brochures, newsletter articles and other media formats, and interaction with teachers and classrooms. The following is a list of Public Education and Outreach activities that were performed.

Community Functions

The Allen County Partnership for Water Quality staff and volunteers provided watershed, water quality, and pollution prevention education to adults and children by participating in many community events and providing presentations, workshops, and training sessions at various venues throughout the county during the years 2008, 2009, and the first half of 2010. The list of community events, presentations, workshops, training sessions, and activities where the Partnership provided public education and outreach can be viewed in the documents attached entitled "Allen County Partnership for Water Quality IDEM Report Activity Tracking" for the years 2008, 2009, and the first half of 2010. These documents describe the events that the Partnership sponsored or participated in and provide information on the number of people present at the event along with the numbers of brochures, Stormwater Activity Books, DVDs, and Project WET Modules distributed along with the number of volunteer hours logged.

Please also see the 2008 and 2009 ACPWQ Annual Report that provides a summary of the activities of the Partnership along with participation and distribution of materials numbers and data.

In summary for the year 2008, the Partnership reached 6229 people directly through fairs, events and other presentations. An estimated 126,135 people were reached through interviews and articles (based on market audience shares). There were over 5241 brochures, fliers, etc. promoting water quality issues distributed over the course of the year.

In summary for the year 2009, the Partnership reached 6958 people directly through fairs, events and other presentations. An estimated 92,200 people were reached through interviews and articles (based on market audience shares). A total of 99,158 people were reached in one form or another (approx. 1/3 of the population of Allen County). There were over 4484 brochures, fliers, etc. promoting water quality issues distributed over the course of the year.

In summary for the first half of the year 2010, the Partnership reached 5576 people directly through fairs, events, and other presentations. There was the potential for 270,000 people to be reached via media outlets, though a more conservative and realistic number may be to take 10% of that for a total of 27,000 people reached through the media. There were 3502 brochures, fliers, and other publications promoting water quality issues distributed for the first half of 2010.

Note: Matt Jarrett, Allen County MS4 Coordinator, served as the Allen County Partnership for Water Quality Board President during the year 2010.

Project WET Activities

The Project WET modules in the Partnership library have continued as an excellent resource for presentations. The integration of several Project WET activities into general presentations has helped improve the impact of storm water as a theme. The Partnership is connected with the IPFW Project WET trainings for Educators. Acting as a resource and assistant to the IPFW instructor, this will increase the awareness of local educators. The ACPWQ Education Specialist was trained as a Project WET Facilitator, opening up more opportunities and awareness of this resource.

Please see the attached spreadsheets of Partnership Activities for the different Project WET events that occurred in 2008, 2009, and the first half of 2010 that the Partnership took part in or sponsored. This listing also provides the number of Project WET modules distributed.

Where My River Runs Watershed Curriculum - In an attempt to reach decision making adults through their children, as well as to teach the next generation of consumers, the St. Joseph Watershed Initiative has created a five-day watershed curriculum for the mid-elementary school students. The curriculum explores the physical watershed of the St. Joseph River, where the water originates and where it flows. It includes lessons on water quality and how human activity affects that quality, as well as how the rivers and streams have impacted local history. It also includes an opportunity for students to assume the roles of various landowners and other stakeholders in determining how they will protect and improve their local water resources.

Thanks to funding from the Indiana Department of Environmental Management in the form of a Section 319 grant, the curriculum will be distributed free of charge to 4th and 5th grade classrooms in the Cedar Creek watershed. Teacher in-service training will be offered to each school. Teacher kits include all lessons, student worksheets, transparencies, maps and games, and a virtual tour of the St. Joseph River. A CD copy of the entire instruction package will allow teachers to reproduce additional pages as necessary. The curriculum is designed to be adopted by educational groups in other watersheds by substituting local watershed maps and local history to the basic curriculum.

Project WET Summary:

Year 2008 - Number of Demonstrations = 134; Number of Check-outs = 12

Year 2009 - Number of Demonstrations = 255; Number of Library Check-outs = 8

First half of Year 2010 - Number of Demonstrations = 143; Number of Library Check-outs = 6

Wetland Projects

The Partnership was involved with several wetland projects over the reporting period as follows:

Little River Wetland Project:

The mission of Little River Wetlands Project, Inc. and Eagle Marsh is to facilitate the restoration of wetlands in the historical Little River watershed and provide educational opportunities that inspire and challenge individuals to be good stewards of all natural resources.

The programs of Eagle Marsh educate people of all ages about wetlands and related nature topics. This organization is also a good neighbor, supplying consultation to private parties who wish to preserve or restore their land, opportunities for scientific study to nearby universities, and recreation in the form of hiking, birding, and nature photography for the 350,000 residents of Allen County and surrounding areas.

The Allen County Partnership for Water Quality enlisted the help of the Little River Wetland Project to help staff future events. In return, the Partnership will continue to assist LRWP in their education and outreach efforts. There will also be a mutual promotion of each other's events. Each agency will retain their respective mailing lists but send information out on the behalf of the other agency.

Southtown Shopping Center Wetland:

The Southtown Wetland is a constructed wetland that was designed to detain storm water runoff from the shopping center parking lot and the surrounding watershed. This wetland will be used by the Partnership for various educational purposes. There will be an education curriculum for 5th grade level students that visit the wetlands as a part of their nearby Safety Village field trips.

Camp Scott Wetland:

Camp Scott is an engineered wetland that was constructed as a storm water detainment facility that helps to reduce the risk of basement backups during wet weather conditions in neighborhoods around McMillen Park. This also helps to manage the number of CSOs being sent to the Maumee River. This wetland is being used by the Partnership for various educational purposes as can be seen in the Activity Tracking spreadsheet attached.

Private Wetland Restoration Area

In 2010 Allen County resident John Brooks of Brooks Construction worked with Allen County and Earth Source, Inc. to convert an existing agricultural field into a diverse native habitat and wetland complex. This ecological restoration project entailed converting 30 acres of agricultural field to a conservation program with prairie grass and an additional 10 acres of field to wetland. The 10 acre wetland included the excavation of an approximately 3.5 acre pool of water at a maximum depth of 5 feet. This activity will allow for the creation of an open water area within the larger wetland complex for waterfowl habitat. Two habitat islands that encompass 0.5 acres were constructed within the wetland area measuring 1 – 2 feet high. These islands will provide nesting habitat and increase the diversity of plant communities within the wetland complex. This wetland complex is located next to the Little (Wabash) River in southwest Allen County and is partially situated within a designated floodway.

Videos

The Partnership produced videos to address erosion and sediment control and water pollution as follows:

"A Watershed Mentality" Documentary:

The Allen County Partnership for Water Quality received a grant from the Great Lakes Commission and produced a documentary on soil erosion and sedimentation in the Maumee River Basin. PBS television channel 39 in Fort Wayne helped in the production of the video. The video shows footage of pollution of our area waterways, shows the impacts of environmental destruction on our ecosystem, shows the damage to the economy and jobs, shows some success stories on controlling erosion and improving water quality, and describes how public attitudes toward the environment have changed. Additionally, interviews with various mayors and public officials, laypeople, and other professionals were done. The video aired on PBS Channel 39 for several nights when it was released. It has been adopted by National PBS for distribution to other affiliates.

"A Watershed Mentality" has been cited by the Great Lakes Commission as being the "...new standard in erosion and sediment education" for their agency. This video has also been gathering awards and nominations for its' content. Among these was the **Governor's Award for Environmental Excellence** in the field of Outreach or Education. This makes the second time the Partnership has won this award (first was the Storm Water Activity Book). The award recognizes Indiana's leaders who have implemented outstanding environmental strategies into their operations and decision-making processes. This video may now be viewed online through the WFWA website www.wfwa.org. This video was provided to all Allen County libraries.

Additionally, a Conservation Associate with the American Rivers in Toledo, Ohio has expressed interest in arranging a panel event for "A Watershed Mentality" in which the documentary would be shown in Toledo and a panel of professionals would be present to answer the public's questions with regard to stormwater quality issues and the video. They are looking at holding this event in late 2010.

Septic Systems: Out of Sight, Not Out of Mind

This video was produced by the Fort Wayne/Allen County Health Department and the St. Joseph River Watershed Initiative. This video explains what a septic system is, what it does, and how problems can be prevented through regular inspection and proper upkeep. Copies are available at the health departments and soil and water conservation districts in Allen, Noble and DeKalb counties.

To watch the video online, go to www.co.allen.in.us/acowmd or visit the Allen County's YouTube channel at youtube.com/user/allencountyinfo

"Green Sells" Construction BMP Video:

The Allen County Partnership for Water Quality received a grant from the Great Lakes Commission to produce a video for developers and contractors on best management practices for reducing sedimentation and erosion. The 15 minute video focuses on the cost-benefits of compliance with the NPDES regulations and on the project management needed to comply. Additionally, there was a partnership established with the Erosion Control Technology Council to be able to show this DVD on ESCN TV as a webcast (www.escn.tv). The Erosion and Sediment Control Network is a weekly program that features stories, tips, and erosion control products. The video is also available to view through the www.acwater.org website. This video was provided to all Allen County libraries.

Summary of video distributions – For the year 2008, there were 44 videos distributed. For the years 2009 & 2010, these videos were promoted on the Allen County Partnership for Water Quality website. There were about 120 video DVDs that were distributed to 30 groups, including distributions to about 10 other MS4 entities within the State.

Training for Construction Professionals

Homebuilders Association of Fort Wayne

The HBA of Fort Wayne was informed of the EPA webcasts that are available on the EPA's website that pertain to the new NPDES requirements that can be viewed at their leisure.

EJP Tools and Techniques for Erosion and Sediment Control Workshop – February 27, 2008

This workshop reviewed common problems and solutions associated with jobsite sediment and erosion control. A strong emphasis was placed on the evolution of new products and techniques dealing with construction related sediment containment and permanent erosion control measures. There were 30-35 people in attendance for this workshop.

SWPPP Training Session – March 31, 2008

The Allen County Soil and Water Conservation District sponsored a workshop to provide training for engineers, developers, contractors, and MS4 staff to discuss SWPPP preparation and needed content, to discuss the new Indiana Storm Water Quality Manual, the Rule 5 requirements, and to answer questions on the city and county Stormwater Ordinances. Rob Beck of IDEM was the featured speaker. The Allen County MS4 Coordinator provided information during the session on the county Stormwater Management Ordinance Requirements. There were about 50 people in attendance. There were 4 staff members from the Allen County Surveyor's Office that attended.

“Ecological Engineering” Lunch & Learn Presentation – August 21, 2008

Williams Creek Consulting provided a presentation that discussed the cost-benefits of proper storm water design and implementation and looked at several BMPs that are approved by EPA and are compliant with LEED and Low Impact Development standards to show the cost benefits of these BMPs over standard piping. There were about 15 – 20 engineers and developers present at this presentation. Matt Jarrett from the Allen County Surveyor's Office attended along with Matt Jones from the Partnership for Water Quality and two staff members from the Allen County Soil & Water Conservation District.

BCA Construction & Design Expo Stormwater Management Ordinance Training – March 4 & 5, 2009

The Allen County MS4 Coordinator (Matt Jarrett) and the City of Fort Wayne provided a training workshop at the Building Contractors Association Expo for construction professionals to explain the requirements of the newly passed city and county Stormwater Management Ordinances. The Stormwater Management Ordinances addressed the Rule 13 requirements for construction, post construction, and illicit discharges. The county presented their ordinance requirements and procedures and then the city provided theirs. There were two training sessions provided on separate days that each lasted about 2 hours. Sign-in sheets were available for each session. There were about 12 people that attended these sessions.

EJP, Inc. Erosion Control Workshop – April 22, 2009

This local pipe and erosion control product supplier provided a seminar for government regulators and construction developers, contractors, and engineers that featured live product installations and demonstrations, and focused on the tools and techniques needed for effective jobsite erosion and sediment control along with the latest technological advances in the erosion control industry. There were about 25 people in attendance. Three people from the Allen County Surveyor's Office attended this seminar.

EJP, Inc. Water System Management Workshop – March 3, 2010

This local pipe and erosion control product supplier provided a seminar for government regulators and construction developers, contractors, and engineers that discussed new product innovations for highway designers, regulators, and builders and discussed tools that can provide improvements in drainage, pavement longevity, erosion control, and load bearing capacities. Additionally, the seminar provided information and examples of cost effective and sound solutions to some of our toughest water distribution system problems.

Contractor Stormwater Workshop – April 15, 2010

The Allen County Partnership for Water Quality hosted a stormwater workshop to provide training for construction professionals such as engineers, developers, contractors, and inspectors on proper erosion and sediment control measures that should be utilized on construction sites. Presentations were given by Rob Beck of IDEM and Sharon Hall of the Allen County Soil & Water Conservation District. The morning presentations were geared for engineers, developers, and contractors and focused on erosion control measures for new construction, including

proper construction sequencing, quality assurance, common pitfalls found on construction sites, and discussed different erosion and sediment control measures to be used during the different stages of construction. There were about 60 people in attendance for these sessions. The afternoon presentations were geared for municipal inspectors and discussed site assessment and BMP inspections, inspections for roadways and waterways, and documentation and non-compliance violations and ways to address violations. There were about 20 people in attendance for this session. This workshop was advertised state-wide and there were several people who represented MS4s from outside Allen County (northwest Indiana and central Indiana) that were in attendance.

Erosion & Sediment Control On-site Trainings – May 2010

Rob Beck, Matt Jarrett, and Sharon Hall from the SWCD met with the developer of a local subdivision (Towne Square) to go over some of the erosion and sediment control measures that should be utilized for his site. The entire site was reviewed and suggestions were provided to improve his site and address complaints from neighboring homeowners. Future sections of this subdivision are currently under way with improved erosion and sediment control measures.

Additionally, representatives from another subdivision were also met on-site to discuss additional erosion and sediment control measures that should be utilized within the Hamilton Meadows subdivision.

Additionally, in 2009 and 2010 the Soil and Water Conservation District and the Surveyor's Office have done on-site training on sites where violations have been found for developers and construction personnel to explain and educate them on what we are now expecting as far as erosion and sediment control measures for construction sites.

Newsletter Articles

The St. Joseph River Watershed Initiative provides quarterly newsletters to the watershed stakeholders on events and information pertaining to the watershed and on water quality issues. The Allen County Soil & Water Conservation District also provides a quarterly newsletter to land owners that provides information pertaining to events and programs of the SWCD and on various water quality issues.

The Allen County Partnership for Water Quality has available a series of newsletter articles entitled *Water Matters*. Each of the *Water Matters* articles addresses a different water related topic. The *Water Matters* articles are supplied to neighborhood associations or other civic groups that would like to include them in their newsletters and are also available for download on the Partnership's website (www.acwater.org). The Partnership for Water Quality produced three new *Water Matters* articles during the reporting period year 2008-2010 entitled "A Reflection on Sediment," "A Watershed Mentality Article," and "What is the Partnership for Water Quality?" The following is a listing of the articles available:

Allen County Partnership for Water Quality: Here to Serve You
Christmas Tree Recycling
The How's & Why's of Conserving Water
Combined Sewer Overflow 101 (part 1)
Combined Sewer Overflow (part 2) – What Can You Do?
Combined Sewer Overflow Notification
Green Landscaping
Hoosier Riverwatch
Paved Surfaces
You Are the Solution to Water Pollution!
Storm Water (part 1)
Storm Water (part 2) – What You Can Do?
A Watershed; You're in One Now!
Where Does My Drinking Water Come From?
Spring Cleaning & Old Chemicals
Water Education Workshops for Teachers & Parents
Storm Drain Marking: Become Involved in Improving Water Quality
Pet Waste
Responsible Auto Maintenance
Stormwater Friendly Lawn Care
A Reflection on Sediment
A Watershed Mentality Article
What is the Partnership for Water Quality

Internal Newsletter - January 2010 - The Allen County Partnership for Water Quality established a new Inter-agency Newsletter, entitled "Water Views and News." The intent of this newsletter is to provide updates and information to key co-workers and elected officials of the activities of the Partnership for Water Quality and to act as an inter-departmental communication to promote and educate agencies, departments, and elected officials of new research and interesting news and information pertaining to water quality. This will be a quarterly newsletter. The Allen County Commissioners and County Council are on the mailing list for this newsletter, along with County Highway Supervisors, Health Department Supervisors, the Allen County Solid Waste District Supervisor, the Planning Department Supervisor, the Parks Department Supervisors, and the Rule 13 co-permittees, to name a few.

External Newsletter - January 2010 - The Allen County Partnership for Water Quality established a new Newsletter entitled "Water Spout." This will be an electronic newsletter that will be sent out six times a year to a target group of educators, sister agencies, area newspapers, area television stations, area radio stations, area school officials, and volunteers who have previously been involved with the Partnership for Water Quality in some capacity. The intent of this newsletter is to increase the visibility of the Partnership for Water Quality and the awareness level of interested parties to hopefully increase our volunteer base. Additionally, the newsletter will keep the reader aware of the future Partnership for Water Quality activities, opportunities, and issues concerning water quality in our area.

Website

The Allen County Partnership for Water Quality created a website that went on-line in 2005 containing water quality information in order to promote better public awareness. The website can be found at www.acwater.org. The website features information about the Partnership itself but is also a source for information about water resources in general. Teachers, students, neighborhood associations, realtors, and others can find information on the website tailored to meet their needs. The website also features the Partnership's series of brochures on topics such as Septic System Maintenance, Combined Sewers, Stormwater Pollution, "Green" Landscaping, Household Hazard Wastes, and Flood Awareness to name a few. The website has an email function by which an individual could ask a question regarding the County's Stormwater Program or stormwater in general. The website also provides addresses and phone numbers to enable the individual to contact the Partnership with further questions. The website provides dates, times, and sponsors of stormwater related events such as workshops and clean-up events and also includes volunteer opportunities related to stormwater.

The website also provides links to other organizations that provide information about water resources and water quality improvement. Information about the watersheds and the watershed concerns within Allen County can also be found within the website, along with information on organizations within the area that focus on water quality improvements for specific watersheds such as the St. Joseph River Watershed Initiative and the Maumee River Basin Commission. It is currently not possible for the Partnership to track the number of "hits" on its website. The Partnership will need to develop different reporting and record keeping activities that will help determine the volume of traffic the site receives.

This past year the Partnership for Water Quality performed a re-design of the Partnership's website by improving the overall appearance of the site, by adding a community calendar, by adding further water quality content and information, by modifying the website to enable it to be loaded faster on dial-up modems, and by developing meta-data files that would make the site more identifiable by web search engines. From interactive video to radio interviews, brochures, newsletters, links, regional watershed information, and volunteer opportunities, this site is designed with the public in mind.

With regard to the Allen County website (www.co.allen.in.us), the Surveyor's Office has placed information within the Surveyor's Office link of the county website that includes the Stormwater Management Ordinance, the Stormwater Fee Ordinance, the county Stormwater Management Plan Review and Application Forms and guidance documents, and the Technical Standards Specifications document along with the minutes of past Drainage Board meetings for the public's use. Additionally, within the Surveyor's Office link, there is educational information on water quality and links to further educational material, Report-A-Polluter information and form, IDEM and NPDES permit forms and approvals, the background information on the NPDES program, a link to the stormwater survey, and listings for volunteer opportunities. Contact information is also available on the website for anyone with further questions.

Stormwater Educational Brochures

The Allen County Partnership for Water Quality provides the public with brochures and booklets which explain many water resource issues. The Partnership distributed the following brochures:

“Stormwater Pollution – A Reference Guide for Homeowners”

“Household Hazardous Waste”

“Combined Sewer Overflow”

“Drinking Water”

“Green Landscaping”

“Septic Systems”

“West Nile Virus”

“ACPWQ”

“Pet Waste”

These brochures were distributed through the Partnership for Water Quality website at www.acwater.org, at the Partnership booth at various festivals and events, and in Fort Wayne utility and public works offices. For the list of events where brochures were distributed and the number of brochures distributed, please see the documents attached entitled “Allen County Partnership for Water Quality IDEM Report Activity Tracking” for the years 2008, 2009, and the first half of 2010.

The Allen County Partnership for Water Quality also produced and distributed a Stormwater Activity Book which is a 12 page activity book for kids. These books were distributed through the Partnership for Water Quality website at www.acwater.org and at the Partnership booth at various festivals and events. In addition, these books were distributed in bulk to requesting schools and organizations in Allen County and around the state. For the list of events where Stormwater Activity Books were distributed and the number of Stormwater Activity Books distributed, please see the documents attached entitled “Allen County Partnership for Water Quality IDEM Report Activity Tracking” for the years 2008, 2009, and the first half of 2010.

Stormwater Survey

The Allen County Surveyor’s Office developed a Stormwater Survey to assess the public’s knowledge and understanding of stormwater issues. This will allow Allen County and the Partnership for Water Quality to better target their education and outreach activities. The Allen County Surveyor’s Office placed the survey on the Allen County website (www.co.allen.in.us) and distributed the survey at various events and through utility bill stuffers. The results of this survey are as follows:

Results:

On July 30th, 2009 the results of the online survey were tabulated and the initial offering of the stormwater survey was ended. There were 203 people that took the online stormwater survey that was posted starting in 2007 on the Allen County website.

Additionally, the Allen County Partnership for Water Quality distributed the stormwater survey at a Camp Scott Tour and Open House. There were 24 surveys completed at this event.

An additional 17 surveys were randomly distributed by the MS4 Coordinator to friends and relatives within Allen County.

Lastly, in April 2008, the town of Leo-Cedarville, an Allen County co-permittee, distributed the Allen County Surveyor’s Office stormwater survey to their residents with their stormwater utility bills. The surveys were collected and returned to the Surveyor’s Office. There were 90 completed surveys collected by Leo-Cedarville as a result of this distribution.

In total, there were 334 stormwater surveys completed.

Results were tabulated and provided in four ways:

- A.) Results were tabulated and provided for the 203 online surveys taken
- B.) Results were tabulated and provided for the 114 surveys taken through the Camp Scott Tour and Leo-Cedarville utility bill distribution combined together
- C.) Results were tabulated and provided for the 17 surveys randomly distributed by the MS4 Coordinator
- D.) Total combined results tabulated of all 334 surveys taken

Conclusions:

Based off of the results tabulated, the following conclusions and observations were noted:

- i.) For the total combined survey results of the 334 surveys taken, 36% of the respondents did not know what a watershed was. In looking at this result, watershed education may be an area that the county should target.

- ii.) With regard to the question “which activities can have an adverse impact on our water if not done properly (check all that apply),” there were 89% of the respondents that chose “fertilizing your lawn” as opposed to only 69% choosing “washing your car in the driveway” and 67% choosing “pick up and disposal of pet waste.” In looking at this result, further education of the potential pollutants that may be associated with washing your car and the potential of pet waste as a source of pollution to our rivers and streams may be warranted.
- iii.) There were 54% of the respondents that viewed the current water quality of our streams and rivers within Allen County as “bad” or “extremely bad.” There were 14% of the respondents that viewed the current water quality of our streams and rivers within Allen County as “good” or “excellent.”
- iv.) When asked “what is the number one pollutant by volume in our streams and rivers,” there were 43% of the respondents that chose Agricultural Pesticides/Fertilizers, with this being the answer chosen the most. There were only 27% that chose the correct answer of Soil Runoff/Sediment. In looking at this result, though agricultural pesticides and fertilizers are certainly contributors toward water pollution, further education of the significant amounts of sediment that enter our waterways and the practices that need to be undertaken to reduce these volumes may be warranted.
- v.) There were 96% of the respondents that believe we need to make a better effort at improving and protecting our rivers and streams within Allen County. In viewing this result, it shows that there is community support of our efforts at trying to reduce stormwater pollution and pollution to our waterways.
- vi.) There were 12% of the respondents that reported that they never recycle. In viewing this result, there may be room for the Allen County Solid Waste Management District to further educate and promote the importance of reducing, recycling, and reusing materials for waste reduction and to increase awareness of the unique recycling and waste reduction opportunities that the District offers. Nonetheless, it is encouraging to see that 88% of the respondents recycle at least occasionally or more.
- vii.) With regard to the wetland survey question, it is interesting to note that most people view wetlands as being important to the water quality of the surrounding area, that they help in controlling flooding, and that they provide unique fish and wildlife habitats but that there were only 53% of the respondents that view wetlands as a source of recreational value for our communities. In light of this, educational efforts that target the recreational values of wetlands and in utilizing an onsite wetland of a development as an amenity may be something to consider.
- viii.) In comparing the website online survey results (203 surveys) with the survey results that are predominately from the utility bill distribution within Leo-Cedarville (114 surveys), it is interesting to note that 94% of the respondents of the Leo-Cedarville survey agree that the rivers of Allen County are valuable water resources whereas the number drops to 84% for the online survey which is made up of a high percentage of respondents with zip codes that are predominately in urbanized areas within or near the City of Fort Wayne. Education that pertains to the rivers as a water resource should be targeted within or near the City of Fort Wayne, especially considering the fact that Fort Wayne receives its drinking water from the St. Joseph River.
- ix.) Again comparing the online survey with the Leo-Cedarville survey results, there were 52% of the respondents for the online survey that recycle 2-4 times a month as compared to only 37% for Leo-Cedarville. This may be due to the fact that the town of Leo-Cedarville no longer offers a recyclables pickup.

To view the Allen County Stormwater Survey tabulated results, see the attached documents titled “Allen County Water Quality Survey.”

Solid Waste Management District Promotions –

Amount of material collected from Household Hazardous Waste Collections –

- Automotive Fluids Collected (lbs.) = 9120 (2008)
- Car Batteries Collected (lbs.) = 7800 (2008)
- Household Batteries Collected (lbs.) = 1482 (2008)

HHW Material Collected (lbs.) = 40482 (2008)
Used Motor Oil (lbs.) = 5525 (2008)

Batteries Collected (lbs.) = 17,850 (2009)
Recyclables Collected (tons) = 29,765 (2009)
Electronics Collected (tons) = 147 (2009)
Fluorescent Bulbs Collected (ft.) = 161,900 (2009)
HHW Material Collected (lbs.) = 46,200 (2009)
Tires Collected = 8,246 (2009)

For a complete listing of materials collected, see the attached 2008 & 2009 Solid Waste Management District Report.

For further information, please see the Allen County Solid Waste Management District website:
<http://www.acwastewatcher.org/>

Number of constituent drop-off centers –

The following area locations, in accordance with the Allen County Solid Waste Management District, provide drop-off centers for automotive fluid recycling:

Hires Auto Parts

7111 South Anthony Boulevard, Fort Wayne, IN 46803
Phone: 447-2586

1620 Northland Blvd, Fort Wayne, IN 46825
Phone: 489-5734

5809 Illinois Rd., Fort Wayne, IN 46804
Phone: 432-5111

425 State Road 930 West, New Haven, IN 46774
Phone: 749-8719

All Hires locations also accept antifreeze, transmission & power steering fluids.

Doehrman Service Inc.

22319 Hickory Street, Woodburn, IN 46797
Phone: 632-5330

Bill's One Stop Salvage & Recycling

2314 Eby Ave., Fort Wayne, IN 46802
Phone: 432-9578

Environmental Remediation Services

4010 Option Pass, Fort Wayne, IN 46818
Phone: 489-7062

Business Collections Only

J&S Liquid Waste Service, Inc.

4030 Option Pass, Fort Wayne, IN 46818
Phone: 489-6021

Garmater Auto Salvage

14007 Bull Rapids Road, Harlan, IN 46743
Phone: 657-5129

Safety Kleen Systems, Inc.

2112 Production Road, Fort Wayne, IN 46805
Phone: 484-8034

Business Collections Only

Goodyear Auto Service

4512 Maplecrest Road, Fort Wayne, IN 46835
486-4075

NAPA Auto Parts

1119 South Anthony, Fort Wayne, IN 46803
Phone: 422-7492

310 Collins Road, Fort Wayne, IN 46825
Phone: 483-7120

1722 Bluffton Road, Fort Wayne, IN 46803
Phone: 747-1534

Number of constituents that participate in collections: -

The participation in the annual Tox-Away day held by the Allen County Solid Waste Management District has grown steadily every year since its beginnings in 1999. In 2008 the number of constituents that participated in the Tox-Away Day event was 860 and in 2009 it was 936. In comparison, there were 457 participants in 2001, 709 participants in 2003, 801 in 2005, and 840 in 2007.

The Allen County Solid Waste Management District had 926,334 website hits during the year 2009. The number of website hits has grown steadily every year since 2006.

Soil and Water Conservation District Activities –

For a complete listing of Soil & Water Conservation District events and attendance for the years 2008-2010, please see the attached documents entitled “2008-2010 Soil and Water Conservation District Activities” listing.

January 2008, 2009, 2010

Fort Wayne Farm Show

Various presentations were provided. Provided educational seminars for kids. The Soil and Water Conservation District had nearly 1,900 people stop by their booth in 2008 and around 2,000 people in 2009 and 2010. Total attendance at the 2008 show set a new record of nearly 40,000 people. Attendance at the 2009 and 2010 shows was estimated at around 30,000 people.

February 2008, 2009, 2010

Tri-State Conservation Tillage Expo

The 2008 and 2009 Expo, themed "*Balancing Inputs, Yield and Conservation*" featured presenters from across the tri-state area with knowledge and expertise on agricultural economics, cover crops, pesticide management and soil quality. Approximately 150-200 attendees enjoyed the excellent speakers as well as the catered lunch.

February 15, 2010 – the Tri-State Conservation Expo had 170 people that were in attendance for the SWCD and St. Joseph River Watershed public education events. There were 27 sponsors/exhibitors, and 13 speakers at this show. This is the St. Joseph River Watershed Initiative's biggest education outreach event of the year.

February 2009, February 25-28, 2010

Fort Wayne Home and Garden Show

The Allen County SWCD provided a Water Resources Booth to promote rain gardens, the concept of rain barrels, and the SWCD Annual Tree Sale. Total attendance at the Home and Garden show is 80,000 for this multi-day event.

Tree Sale (2008-2010)

The Allen County SWCD sells different bundles of tree samplings to the public. There are typically about 150-200 participants in this sale annually.

August 31, 2009

Strip-Till/Zone-Till Field Day

This event sponsored by SWCD and the St. Marys Watershed Project had speakers discuss the benefits of using strip-till in farming operations, discussed how to successfully develop and manage a zone-till system, discussed

available cost-share and rental opportunities for strip-till, and had company representatives demonstrate their products and gave participants a chance to get behind the wheel and make some strips. There were 100 people in attendance.

September 10, 2009 Cover Crop Field Day

This event sponsored by SWCD and the St. Marys Watershed Project had speakers discuss the benefits of using cover crops in farming operations, discussed soil layers and explained how cover crops can break compaction layers, discussed available cost-share opportunities for cover crops, and guided participants through different plots, explaining the pros and cons of different cover crop varieties. There were about 100 people in attendance.

Booklet and Pamphlet Display

In 2010 the district now has available a display that holds 24 pamphlet size and 12 booklet size flyers to help inform the public as they enter the districts' building.

The Allen County Soil & Water Conservation District also participates in and sponsors many activities and events associated with the Allen County Partnership for Water Quality and serves on the Partnership Board. A description of these activities and the public participation involved in these activities can be seen in the documents attached entitled "Allen County Partnership for Water Quality IDEM Report Activity Tracking" for the years 2008, 2009, and the first half of 2010 and in the previous pages of this report.

Co-Permittee Activities –

Co-permittee Staff Training Session/Presentation - January 26th, 2009 – Matt Jarrett of the Allen County Surveyor's Office (MS4 Coordinator) and Matt Jones of the Allen County Partnership for Water Quality hosted a training session for the co-permittees of Hometown and Leo-Cedarville. The presentation discussed specific activities and measures that the staff of each co-permittee could implement to improve their water quality programs to meet the Rule 13 regulations and satisfy the requirements of their Memorandum of Agreement. The presentation also discussed the upcoming IDEM audit and work that needs to be done to prepare for this. Additionally, the presentation provided information on the value of each community participating in the Allen County Partnership for Water Quality meetings and trying to get each community to send someone to those meetings to utilize this important resource to further network and work together on our water quality goals. There were 3 representatives from Leo-Cedarville that attended this training session and two representatives from Hometown that attended the session.

Leo-Cedarville

April 2008 - The town of Leo-Cedarville, an Allen County co-permittee, distributed the Allen County Surveyor's Office stormwater survey to their residents with their stormwater utility bills. The surveys were collected and returned to the Surveyor's Office. There were 90 completed surveys collected by Leo-Cedarville as a result of this distribution.

2008 – The Allen County Surveyor's Office GPS located and mapped the stormsewer system in Leo Cedarville and placed storm drain markers throughout the town.

2008 – The Allen County Partnership for Water Quality Educator met with the Stormwater Utility Office Representatives for Leo-Cedarville to explain the materials we have available for water quality education and the assistance that the Partnership and Allen County can provide. The Partnership gave the representatives 6 brochures in packages of 50 each (300 total) to distribute to residents. Leo-Cedarville provides these brochures for their residents at their Office of the Town.

July 2009 – a member of the Leo-Cedarville Town Council inquired about having the Partnership Educator do a Water Quality presentation at their 4th of July Festival. Unfortunately, neither the Partnership Educator nor the Allen County MS4 Coordinator was going to be in town that weekend to help with this event. The offer was provided that we would be sure to help out at the next event and the Partnership offered to provide brochures and to allow the town to borrow the Partnership's sample rain barrel display for this event. We also provided the Council member with a listing of education materials, modules, and resource materials that are available from the Partnership Library for use.

July 2009 – Lori Gates and Heather Buck of Christopher Burke along with the Allen County MS4 Coordinator did an onsite inspection of the municipal facilities within Leo-Cedarville. We met with Parks Department representatives and Stormwater Utility Office representatives to provide suggestions for areas of improvement with regard to Pollution Prevention and Good Housekeeping within these facilities. A report was produced and provided to the representatives.

July 27, 2009 – Allen County hosted an IDEM MS4 Permit Evaluation Compliance Assistance Workshop where IDEM provided training to MS4s and the Allen County Highway North Barn hosted a sample Municipal Facility Inspection as part of training for ourselves and other MS4 communities. Reggie Korthals of IDEM presented. There was one representative from Leo-Cedarville that attended.

September 22, 2009 - Municipal Stormwater Stewards Training – The morning session of this training discussed potential ways to utilize and build stormwater programs to attract businesses to communities, discussed getting good economic value out of your stormwater program, and provided studies for alternative site design. The afternoon session provided an overview of the MS4 requirements, discussed illicit discharge detection and elimination, construction and post construction stormwater management, and pollution prevention and good housekeeping. Gordon Liechty from the Leo-Cedarville Town Council attended this training.

2010 – Leo-Cedarville is a paying member of the Maumee River Basin Partnership of Local Governments (MRBPLG) and has a representative from the town attend the meetings on a regular basis. Meetings are held every other month. Leo-Cedarville obtained Wal-mart grant money through the Maumee River Basin Partnership of Local Governments to establish a rain barrel program. The town is currently formulating this program. The town will track the number of barrels distributed annually and since program inception.

February 25, 2010 - Representative from the Leo-Cedarville Stormwater Utility Board volunteered to work the Allen County SWCD Water Resources Booth at the Fort Wayne Home and Gardens Show to promote rain gardens, the concept of rain barrels, and the SWCD Annual Tree Sale.

Huntertown

July 2009 - Lori Gates and Heather Buck of Christopher Burke along with the Allen County MS4 Coordinator did an onsite inspection of the municipal facilities within Huntertown. We met with the Assistant Superintendent at the Huntertown Maintenance Barn and the Huntertown Water Treatment Plant to provide suggestions for areas of improvement within these facilities with regard to Pollution Prevention and Good Housekeeping. A report was produced by Lori Gates and Heather Buck and provided to the Superintendent and Assistant Superintendent of these facilities to begin implementing the recommendations.

December 2009 – As a trial to test performance, the Huntertown Town Maintenance facility purchased 1 ton of a de-icing agent called “Magic Salt” that is made from a patented blend of magnesium chloride and condensed distiller solubles. It is non-toxic, bio-degradable, environmentally friendly (releasing far less chlorides into the environment than either plain rock salt or calcium chloride), and has a corrosion index lower than distilled water. Rock salt applications are reduced by 30-50%. The need for sand on pavement is virtually eliminated. Huntertown will use this on a trial basis and determine if they will switch to this salt if the results are favorable.

October 2010 - The Huntertown Maintenance Department began stenciling their storm inlets throughout the town. Stenciling was chosen as a better and more visible means of marking the storm drains and educating the public.

Mass Media Opportunities –

WOWO/Charley Butcher Radio Show:

The Allen County Partnership for Water Quality contacted local radio station WOWO about the possibility of airing water quality interviews and informational segments. These would be designed to promote the partners in the Partnership as well as discuss water quality issues. These blurbs consist of a 1-minute, pre-scripted on-air interview with a professional about various water quality issues. For the list of radio and television public education activities and the number of people directly contacted, please see the documents attached entitled “Allen County Partnership for Water Quality IDEM Report Activity Tracking” for the years 2008, 2009, and the first half of 2010.

Nature Trust Radio Program:

Jeff Britton, host of ACRES Land Trust's "Nature Trust" radio program did a series of interviews with the Partnership covering various aspects of water quality and the Allen County waterways. This resulted in three shows being aired. The total number of people who may have heard these shows was 11,000. This number is derived from a composite based on minimum broadcast audience average per transmission.

Fairgrounds Advertisement:

The Allen County Fairgrounds aired an advertisement on local television stations that promoted among other things a Project WET activity at their 4H Fair Kids Fest.

Rain Barrels Newspaper Article

A newspaper article on rain barrels appeared in the Fort Wayne Journal Gazette newspaper on March 7, 2010. The article explained the purpose and uses of rain barrels, the costs and materials involved in making a rain barrel along with how to make one, and how to calculate the amount of water that will enter the rain barrel along with the size of barrel needed.

Videos:

The Partnership continues to distribute copies of the two videos that were produced ("A Watershed Mentality" Documentary & "Green Sells" Construction BMP Video) to address erosion and sediment control. The Great Lakes Commission has informed the Partnership that "A Watershed Mentality" documentary has become the new standard for erosion and sediment control within the Great Lakes Basin.

April 27, 2008 - The Partnership for Water Quality along with the City of Fort Wayne sponsored a screening of environmentally themed films in a one day event called Eco-Film Fest at the Cinema Center at Indiana Tech. This event also provided the opportunity to bring unwanted computer hardware to the event for recycling and/or proper disposal. There were 6 films shown at this one day free film fest. This event was advertised in the Fort Wayne newspaper on April 11, 2008.

December 2009 – Matt Jones with the Partnership for Water Quality did a YouTube video presentation on the impacts of urbanization on streams and rivers. This YouTube video is available for view on the Allen County Surveyor's Office website.

Miscellaneous Public Education:

The Purdue Cooperative Extension Service Master Gardner program touches on water quality through education of proper application and ways to reduce herbicides, pesticides, and other chemical applications in lawns and gardens.

The St. Joseph River Watershed Initiative hosted a Hoosier Riverwatch training workshop for stream monitoring volunteers on June 17, 2008 at Metea Park. The workshop received media coverage in the Initiative's news mailing and on their website. The St. Joseph River Watershed Initiative will continue to coordinate the Hoosier Riverwatch program with Jerry Hohla serving as the volunteer coordinator.

The St. Joseph River Watershed Initiative hosted a tour of the Bridgewater Dairy near Montpelier, Ohio. This dairy is a state-of-the-art dairy operation that has gone beyond EPA and state permit requirements to develop an economical and environmentally sound business with such features as an anaerobic biodigester for manure that produces methane gas, which is captured and used to fuel two generators. The generators make electricity which is purchased by Buckeye Power, Inc. An odor-free by-product of this process is then used as fertilizer.

In 2009 Saint Francis University in Fort Wayne had information on the Allen County Partnership for Water Quality on their website.

On 4/28/09 Matt Jarrett did a presentation for the Allen County Neighborhood Association meeting on Storm Drain Marking and Illicit Discharges and Illegal Dumping. This is a group comprised of representatives from various neighborhood associations from throughout the county that meet quarterly. About 40 people were in attendance. The presentation lasted about 25 minutes with another 30 minutes of questions after the presentation. This presentation and meeting was also shown on television on Public Broadcast Channel 56 (media educational component). Two public officials were present at this presentation (County Councilman Roy Buskirk) and elected official John McGauley (County Recorder) of the Records Office.

February 25, 2010 – Matt Jarrett volunteered to work the Allen County SWCD Water Resources Booth at the Fort Wayne Home and Gardens Show to promote rain gardens, the concept of rain barrels, and the SWCD Annual Tree Sale.

March 25, 2010 – A class on how to make rain barrels was held at the Fort Wayne Botanical Conservatory. A Master Gardener showed how to make a rain barrel for less than \$20.

Summary: For the year 2008, the Partnership reached over 2403 people in direct contact activities, 1640 people through indirect means, and distributed over 3166 brochures, fliers, etc. promoting water quality issues. For the year 2009, the Partnership reached over 8,000 people in direct contacts, had 92,200 potential media contacts, and 461,000 indirect contacts, which comprises the total number of people that attended festivals where the Partnership had a display, booth, or some type of activity. For the first half of the year 2010, the Partnership reached 5,576 people and distributed 3502 publications and logged 82 volunteer hours.

b. Public Involvement and Participation:

Rule 13 Public Participation List –

List of Individuals with Interest in Stormwater Program -

Allen County has completed a list of individuals and groups likely to participate in Stormwater Programs and will update this list as additional groups come forward. The list is as follows:

Allen County 4-H
Future Farmers of America
Anthony Wayne Area Council Cub Scouts & Boy Scouts
Allen County High Schools
IPFW
Saint Joseph River Watershed Initiative
Maumee River Basin Commission
St. Marys Watershed Initiative
Hoosier Riverwatch Volunteers
Girl Scouts
Retired Senior Volunteer Program
Young Leaders of Northeast Indiana

Volunteer Opportunities

The Allen County Partnership for Water Quality (Matt Jones) keeps a list of upcoming volunteer opportunities that are currently available to the public. The Partnership has an event calendar where volunteer opportunities related to stormwater are posted. During the reporting period 2008-2010 the Partnership provided volunteer opportunities at various festivals and events such as the Three Rivers Festival KidsFest, the Johnny Appleseed Fest, Hoosier Riverwatch Training, volunteer opportunities at Camp Scott Wetland, volunteer opportunities with the county Storm Drain Marking Program, and through watershed and nature group activities and events, to name a few. Allen County has a regular group of Hoosier Riverwatch volunteers that do water testing as a result of the training workshops that are hosted by the county every year. For a detailed listing of volunteer hours logged for each event and to see a complete list of events or activities where volunteer opportunities were available for each year within the reporting period, please see the documents attached entitled "Allen County Partnership for Water Quality IDEM Report Activity Tracking" for the years 2008, 2009, and the first half of 2010.

Overall, there were 209 volunteer hours logged during the year 2008 and 117 volunteer hours logged for the year 2009. For the first half of the year 2010 there were 82 volunteer hours logged.

Rain Barrel Program –

On October 26, 2009, Allen County met with the Fort Wayne City Utilities Department, the Health Department, and various other city offices about establishing a rain barrel brochure. This brochure would address various issues concerning rain barrels such as safety concerns, how to install a rain barrel, who to call with questions, how to install the overflows and preventive measures to prevent water from getting into the basement or harming homes and neighboring properties, when and how to clean the rain barrel, local codes and ordinances pertaining to rain barrels, and a liability waiver form that will need to be signed in the event someone obtains a rain barrel from a local government entity. This work would be done to allow a local government entity to be able to establish a rain barrel program and have information in place to alleviate any potential concerns that a local governmental entity may have to make sure everyone is on board with the procedures in place. Fort Wayne was placed in charge of establishing this brochure and liability waiver form.

In December of 2009 the Allen County Soil and Water Conservation District discussed establishing a rain barrel program. The local Coca-Cola Distribution plant agreed to supply a portion of the barrels for the program at no charge. The SWCD would offer for sale an installation kit with hardware to be used to convert the barrels into a rain barrel.

Public Meetings –

Allen County conducts drainage board meetings (held every two weeks) and quarterly meetings with the Purdue Cooperative Extension Service that are open to the public. The up-coming schedule for drainage board meetings

is posted on the Allen County website within the Surveyor's Office link. About 20 people on average attend the drainage board meetings.

The Saint Joseph River Watershed Initiative (SJRWI) holds quarterly public stakeholder meetings for citizens within the Cedar Creek watershed. These meetings will continue to be announced on the SJRWI website, in local news outlets, and by email. The SJRWI also holds quarterly public meetings for the St. Joe River Basin in its entirety. The northern portion of Allen County falls within this watershed. About 10-15 people attend these meetings. Additionally, the SJRWI Annual Education Meeting & Program is held in July and brings together board members, employees, stakeholders and public officials to celebrate the accomplishments of the previous year. The SJRWI also provides presentations that are made to the public upon request. This outreach to the community enables everyone to become more aware of what they can do to improve the water quality of the river and how the St. Joseph River Watershed Initiative can help them achieve their goals.

The Allen County SWCD sponsors public meetings that address land use conservation and water quality improvement topics. Additionally, the Maumee River Basin Partnership of Local Governments (MRBPLG) holds quarterly public stakeholder meetings for citizens and government officials within the Maumee River watershed, which covers a large portion of Allen County. About 15 people attend these meetings.

St. Marys River Watershed Project - the St. Marys Watershed Initiative held two public meetings regarding the watershed management planning effort in the St. Marys River watershed which encompasses the southern part of Allen County. There were about 50-60 people at the first public meeting and about 20 at the second public meeting (April 14, 2008). Volunteers were asked to become a part of the steering committee. The Allen County MS4 Coordinator volunteered to serve on this watershed group's steering committee in 2008 and 2009 and in 2010 served as a Technical Advisor to the St. Marys River Watershed Board of Directors. The committee and Board meet about once a month and the meetings are open to the public. About 15 people usually attend these meetings.

Upper Maumee River Watershed Group - The Upper Maumee River Watershed Group is a locally-led group of concerned citizens and organizations whose primary goal is the improvement of water quality throughout the Upper Maumee River Watershed (covers a portion of Allen County) and ultimately throughout the Western Lake Erie Basin. As the group continues to develop and organize leadership, the focus will be on the development of a watershed management plan. In addition, events and other public outreach programs will be held to further communities' awareness of water quality. The group has conducted a series of informational meetings in Indiana and Ohio communities to discuss issues within the watershed and to try and formulate a steering committee. These meetings typically have had about 30 – 40 people in attendance. The public is welcomed to attend and participate in all meetings, including the steering committee meetings.

Little Wabash River Project - this project entailed a watershed diagnostic study of the Little Wabash River in a three county region that includes southwestern Allen County that provided a look at the rivers' surrounding landuse and community resources. Data collection and subwatershed prioritization was determined as part of the watershed diagnostic study. Water quality sampling occurred in the Spring of 2008. The project was sponsored by the Whitley County Soil and Water Conservation District and funded through the Department of Natural Resources' Lake and River Enhancement Program. The project included various water quality assessments and aimed to make recommendations related to improving the river itself, coordinating landuse across counties, reducing pollution, and potentially improving recreation or other natural resource amenities. The team conducted a public meeting in April 2008 with key local stakeholders to share information and provide results of the water quality study of a portion of the Little Wabash River. There were about 30 people at this meeting. Matt Jarrett of the Surveyor's Office attended this meeting. This public meeting was advertised in the Fort Wayne Journal Gazette newspaper.

Cedar Creek Watershed - The Cedar Creek Watershed Management Plan Implementation report has been approved by IDEM. This project was the first phase of implementation of the Watershed Management Plan created for the Upper Cedar Creek and the Lower Cedar Creek. Public Involvement was used in formulating this plan.

Lower St. Joseph - Bear Creek Watershed - The final version of the Lower St. Joseph-Bear Creek Watershed Management Plan has been completed and approved by IDEM. This effort has produced some very important data about the Lower St. Joseph and Bear Creek sub-watersheds. With the mapping and water quality data collected for this planning effort, it will be easier to target management techniques and changes in land use that

will have the greatest impact on water quality in the St. Joseph River. Public Involvement was used in formulating this plan.

Northeast Indiana Green Build Coalition – has public meetings discussing ways to build in a green, more environmentally friendly and efficient way. Funding was cut for this coalition in 2010, potentially rendering this coalition defunct.

Western Lake Erie Basin Meetings – this watershed team discusses ways to improve the water quality within the western Lake Erie watersheds.

Storm Drain Marking –

The members of the Allen County Partnership for Water Quality and the Allen County Surveyor's Office are currently looking for volunteers within each neighborhood to help with the storm drain marking. The Partnership will continue to promote storm drain marking through neighborhood meetings and newsletters. Allen County has added to the Technical Standards that a properly marked casting for all inlets and manholes be used on all future construction projects that provides a message stating that no dumping is allowed because the storm inlets drain to the stream/river.

The Surveyor's Office Storm Drain marking program consists of using adhesive to apply plastic circular markers with the message "No Dumping, Drains to Stream." These markers are purchased from Das Manufacturing Inc. The Surveyor's Office also had Das Manufacturing make a rectangular marker that is more flexible than their standard markers with holes punched into the sides to apply these markers on yard beehive type inlets. These markers are attached with a zip tie wrapped around the inlet rib and through the holes punched in the marker. Das Manufacturing stated that very few people mark the yard inlets as Allen County is doing.

The Allen County Surveyor's Office produced several documents/forms to provide information and to aid in the volunteer storm drain marking program. Allen County established a storm drain marking Application Form that volunteers must complete in order to participate in the county's storm drain marking program. A Liability Waiver Form was also created that each volunteer must sign before they can mark the storm drains. This is to limit the county's liability in case of accident, injury, or property damage. The Surveyor's Office also created a Storm Drain Marking Guide and Storm Marker Installation Instructions for volunteers. Additionally, the Surveyor's Office created a flyer that provides information on the county's Storm Drain marking program that can be distributed at various events and activities.

The Allen County Surveyor's Office internal staff went out and placed storm drain markers on the drains at various locations throughout the county MS4 area. In total the staff of the Surveyor's Office marked 778 storm drains for the reporting period of years 2008-2010.

On 4/28/09 Matt Jarrett (MS4 Coordinator) did a presentation for the Allen County Neighborhood Association meeting on Storm Drain Marking and Illicit Discharges and Illegal Dumping. This is a group comprised of representatives from various neighborhood associations from throughout the county that meet quarterly. The storm drain presentation was given with hopes of obtaining storm drain marking volunteers. About 40 people were in attendance. The presentation lasted about 25 minutes with another 30 minutes of questions after the presentation. This presentation and meeting was also shown on television on Public Broadcast Channel 56 (media educational component). Two public officials were present at this presentation (County Councilman Roy Buskirk) and elected official John McGauley (County Recorder) of the Records Office. Several people volunteered to help mark the storm drains in their neighborhoods as a result of this presentation.

Volunteer Activities

For the report period 2008-2010, the following is a listing of the volunteers that participated in Allen County's Storm Drain Marking Program and placed storm drain markers throughout their respective subdivisions:

- 1.) **Amber Highlands Subdivision** (corner of Amber Road and SR 24)
Number of Volunteers: 2-3
Volunteers placed storm drain markers throughout the entire subdivision (Sections 1, 2, & 3)
The Allen County Surveyor's Office provided them with 35 circular markers and 20 rectangular beehive inlet markers, 50 tie straps, 3 tubes of adhesive, a map of the location of the inlets, and instructions.

Total number of markers needed and placed = 33 circular and 17 beehive (50 total inlets marked)

Contact: Cheryl Royal – President of Amber Highlands Community Association
Address: 7321 Abernathy Drive
Fort Wayne, IN 46814
Email: amberhighlands@yahoo.com

- 2.) **Timbercrest Subdivision** (located just west of Amber Highlands subdivision at Ravine Trail and SR 24)
Number of volunteers: 2
Volunteers placed storm drain markers throughout the entire subdivision (Sections 1 & 2)
The Allen County Surveyor's Office provided them with 6 circular markers and 2 rectangular beehive inlet markers, 4 tie straps, and 1 tube of adhesive.
Total number of inlets marked = 5

Contact: Joanne Bergman – Former President of Timbercrest Homeowner's Association
Address: 13101 Timbercrest Trail
Fort Wayne, IN 46814
260-672-3716
Email: jlb888@juno.com

- 3.) **Autumn Chase Subdivision** (located at corner of Eby and St. Joe Roads)
Number of volunteers: 10
Volunteers placed storm drain markers throughout the entire subdivision (Sections 1, 2, 3, & 4)

Note: this was part of an organized Homeowner's Association event that took place on 6/20/09. This subdivision advertised the storm drain marking event in their Community Association Newsletter and also had a follow-up write-up that described the storm drain markers being placed on the storm drains and why. The follow-up write-up stated "There has been a cooperative effort with the county and us to mark all of our lawn area drains and street drains to know where they are and remind everyone that these drains flow directly to the retention pond, then to the Teirmin Ditch and finally into the St. Joseph River. This will help as a reminder to not pour harmful or toxic waste (i.e.) oil, solvents, etc. into these drains in order to protect our environment." The Community Association also posted pictures on their website of the markers and showed examples of some of the street and yard drains that had been marked. Their website is www.autumnchase.webs.com. These pictures were cast as examples of some of the summer activities that occurred within the subdivision.

Allen County Surveyor's Office provided them with 35 circular markers and 19 rectangular beehive inlet markers, 38 tie straps, 4 tubes of adhesive, a map of the location of the inlets, storm drain marking guide, and installation instructions.

Total number of inlets marked = 50

Contact: Steve Denny – President of Autumn Chase Community Association
Address: 7310 Country Hill Drive
Fort Wayne, IN 46835
260-486-9175

- 4.) **Covington Manor Farms Subdivision** – located at corner of West Hamilton and Covington Roads)
Number of Volunteers: 2
Volunteers placed storm drain markers throughout the entire subdivision
Allen County Surveyor's Office provided them with 15 circular markers and 10 beehive inlet markers, 20 tie straps, 1 tube of adhesive, a map of the location of the inlets, storm drain marking guide, and installation instructions.
Total number of inlets marked = 23

Contact: Kris Krishnan – Past President Covington Manor Farms Homeowner's Association
Address: 3006 Covington Farms Road
Fort Wayne, IN 46814
348-7155
Email: kskrishnan@att.net

Total number of volunteers participating in storm drain marking activities = 17

Total number of storm drains marked through volunteers = 128

The total number of storm drains marked by volunteers and Surveyor's Office internal staff in Allen County for the reporting period years of 2008-2010 totaled 906 storm drains marked with plastic decals.

Additionally, the Allen County Surveyor's Office Technical Standards Manual requires all new manhole and inlet castings for new projects to be pre-stamped with an appropriate "clean water" message. During storm sewer mapping, the Surveyor's Office has noted that there are at least 238 inlets that have a clean water message stamped within the casting and at least 88 manholes that have been discovered to have a clean water message stamped within the casting.

Citizen Complaints –

Allen County received several complaints and public informational requests concerning poor erosion control. The county promptly responded to these complaints and informed the caller of the subsequent action taken on each complaint or request. The following illustrate the details and subsequent actions taken by the county on each complaint or request:

1. Complaint Received (8/11/08):

Caller: Francis

Location: Hamilton Meadows Subdivision, Aboite Township

Caller states that subdivision developer went bankrupt and the bank has taken over. The whole subdivision needs erosion control. She has tried to get the bank to do something about this and they have not responded.

Resolution:

Surveyor's Office inspector verified site conditions are poor and no erosion control is present. Surveyor's Office sent the bank a letter stipulating that erosion and sediment control on the site needed to be addressed. The bank responded by implementing some erosion control measures and saying that the new buyer would take care of further issues. The new buyer implemented further erosion control measures as the next section continued to be developed.

2. Complaint Received (8/13/08):

Caller: Dan Byanski

Location: 16636 Marble Ridge

Lakes at Willow Creek, Perry Township

Caller states that neighbor does not have downspouts and that yard is eroding into his yard and into the subdivision pond. Wants this office to force him to incorporate erosion control and downspouts if possible.

Resolution:

Surveyor's Office inspector and MS4 Coordinator was sent out to verify site conditions. The property owner came out and explained that he was letting the roof water drain off the roof, into a stone trench and then into an underground french drain that would take the water to the pond. He was building a retaining wall to prevent sediment runoff in his back yard from entering the pond. Did not see much erosion taking place on this site as there was a 70% cover of grass.

3. Complaint Received (1/15/09):

Caller: Ricky Young

Location: 6231 Tarbet Place

Tartans Glen, St. Joseph Township

Caller states that sewage keeps coming in to their addition via the regulated Bullerman Drain and he is concerned of kids playing near it. Wants to know what can be done.

Resolution:

Talked to the Allen County Health Department about this matter. The Tartan's Glen homes are connected to sanitary sewer because this area is located within the City of Fort Wayne. However, the problems in the Bullerman Drain are definitely there and are coming from homes on nearby Hazelett Road. Almost no homes on Hazelett are hooked up to sanitary sewer and their septic systems are failing. The Health Department has received several complaints, done a lot of testing, and initiated several petitions to city utilities from the homeowners several years ago. They are waiting on City Utilities to be able to finance the project.

4. Complaint Received (4/2/09)

Caller: Stan Pressley
Location: 4131 West Wallen Road
Washington Township

Caller states that there is a site across from his residence where they have disturbed 15-20 acres of ground and it is eroding into the nearby Bobay Ditch. Wants to have someone address this.

Resolution:

Matt Jarrett went out to meet with Stan Pressley and the land owner where the erosion was originating from. Land owner was Mr. Bushey who owns a topsoil/mulch business nearby. Mr. Bushey stripped about 20 acres to sell the topsoil in his business. This 20 acres drains to a low area and into a swale/ditch where Mr. Pressley has his septic and geothermal pipes draining. Mr. Pressley is concerned about the sedimentation coming from the stripped field. Mr. Bushey states that he plans to farm the field in a couple years. The field was definitely eroding into the swale/ditch on Mr. Pressley's property that flows to the Bobay #1 ditch. Informed Mr. Bushey to use silt fence/check dam/straw bale/straw wattle/gravel bags or something of this nature to slow the flow of water to help the sediment settle out in the field before flowing offsite into the swale/ditch. Mr. Bushey agreed to place one of these sediment control measures in the low point at the property line where the water flows into swale/ditch. Mr. Pressley was satisfied with this solution.

5. Complaint Received (4/7/09)

Caller: Steve Scheckel – Surveyor's Office
Location: Hueganard & Cook Roads
Washington Township

Surveyor's Office Inspector reports sediment entering into Natural Drainage Ditch from county highway project along the road.

Resolution:

Contacted the county highway department about the need for better erosion control measures to be put in place. Contacted Rob Beck of IDEM to inform him and he did an inspection and provided a report to county highway. County Highway put rock check dams in place to address the issue.

6. Complaint Received (4/9/09)

Caller: Steve Scheckel – Surveyor's Office
Location: Tillman & Wayne Trace Roads
Adams Township

Surveyor's Office Inspector reports sediment entering into Natural Drainage Ditch from a sewer extension project along the road.

Resolution:

Contacted Ben Adams - lead engineer on the project - and he instructed the contractor to install erosion control measures. Contractor went out and put up silt fence on the project site.

7. Complaint Received (6/18/09)

Caller: Larry Hunter
Location: 4112 Ravenscove Run
Raven's Cove Subdivision, Washington Township

Received complaint that there is water standing in the common area and there is no barrier stopping dirt from entering into the nearby drain on the lot next door where a house is currently being built.

Resolution:

Had an inspector go out and investigate the site and take pictures. There was no erosion control present on the lot. Found that the builder was Westport Homes. Met with a Westport Home representative and explained the problem to her. She was going to address the issue. Called Larry Hunter one week later to see if problem was addressed and he stated that it was not. Called Charlie Geise who is the president of the Fort Wayne Regional Office for Westport Homes (490-4131) and explained the situation to him. He stated that he would have someone address the situation immediately. Will do follow-up inspection to verify.

8. Complaint Received (10/19/09)

Caller: Mark Bontrager
6903 Baswin Cove
Eagle River Subdivision, Cedar Creek Township

Received complaint that there is a home being constructed in this subdivision and there is no erosion control on the building site and erosion is taking place into the caller's yard. Mud is also on the street as a result of this site.

Resolution:

Contacted the home builder and informed him of the complaint. He said the complainant had already contacted him and they had a meeting set up onsite to go over the issues that needed rectified. Went over the erosion control measures that were needed for sites such as this to make sure he was going to address our needs as well.

9. Complaint Received (5/11/10)

Caller: School Bus Driver
Aboite Township

Received complaint that a new home that is being constructed at 6724 West Hamilton Road by Heller Homes has disturbed ground that is causing mud to run off onto the road nearby.

Resolution:

Inspected this site during a heavy rain and confirmed mud was running off of site and onto road. Called Mark Heller of Heller Homes and informed him of the problem. He stated that he would have the disturbed ground seeded and straw put down by the end of the following week.

10. Complaint Received (5/12/10)

Caller: Homeowner in Towne Square Subdivision
Perry Township

Received complaint about a lack of erosion control in a subdivision under construction. The subdivision is called Towne Square and is located west of Hometown.

Resolution:

Met the developer onsite for an inspection. Went over the erosion and sediment control issues that were found on this site with the developer and provided a list of things that needed to be done by a certain date. Continued to work with developer to resolve the issues of this site as further issues and maintenance problems surfaced.

11. Complaint Received (6/8/10)

Caller: William Lewis
4410 Norarrow Drive

Received complaint that a nearby construction site topsoil mound was running off and causing flooding in the complainant's yard. The construction site is Park Place Senior Living Center.

Resolution:

Met the site superintendent on-site for an inspection and saw that the top soil mound was eroding onto adjacent property. Told superintendent that the mound was too close to the property line. Superintendent agreed to move the mound back. He also agreed to re-install new silt fence, as the old had collapsed and become non-functional. He also agreed to put temporary seeding on the mound to prevent erosion. The superintendent was going to check and see if they could put in a temporary swale or trench to help capture some of the water and route it to an area that would not cause harm until construction is completed and the site was stabilized.

c. Illicit Discharge Detection and Elimination:

Stormwater System Map –

The County continues to map the stormwater conveyance systems and pipe systems. The highest priority watersheds have been mapped. The Rule 13 SWQMP – Part B required the identification of areas having reasonable potential for actually causing stormwater quality problems based upon relevant land use data and identified sensitive areas, as well as, existing and available water quality data. Based upon this Rule 13 SWQMP – Part B report and the county's Desktop Assessment of Illicit Discharge Potential report, Allen County has a ranked listing of priority watersheds that will continue to be used as a guideline to determine the priority areas to be mapped and dry weather screened and monitored. This fulfills the requirement of prioritizing program efforts to coincide with priority watershed rankings.

As required by Rule 13, the County continues to map the locations of all outfalls and conveyances under the MS4 operator's control. IDEM further defines MS4 conveyance systems as outfall conveyance systems with a pipe diameter of twelve (12) inches or larger and open ditches with a two (foot) or larger bottom width. Allen County has decided to take this requirement one step further and map not only the locations of the outfalls and conveyances, but also the entire stormwater pipe system, including the locations of all stormwater pipes, manholes, inlets, control structures such as weirs and control valves, and grade beam and control outlets. Additionally, the physical aspects of each of these structures is also being documented such as the size, casting type, number of inflow and outflow pipes, and whether there are weeper holes, mortar collars, or poured inverts. The county also documents whether the castings are marked per the requirements of the storm drain marking program. This will help determine where future storm drain marking activities need to be done. Pictures of each outfall are also taken and will be logged in a database and linked to each outfall location. When viewing each outfall mapped digitally within GIS, it will be possible to click on each outfall located within the GIS map and bring up a picture of that particular outfall. These pictures will help serve as a historical reference for each outfall.

Currently, Allen County has the MS4 area outfalls located on hard copy maps or digitally within GIS. Allen County is currently in the process of GPS locating and digitizing not only the outfall locations but also the stormwater pipes, manholes, inlets, and control structures and outlets discussed previously. This started in February 2006 and is currently about 95% complete. There are no CSO's within the county MS4 area. Additionally, the storm sewer systems of the entire towns of Hometown and Leo-Cedarville (co-permittees) have been GPS located.

Dry Weather Screening

Currently, every outfall that is GPS mapped is also dry weather screened for illicit discharges during mapping as we have a specific question addressing this within our GPS meter. Currently, there have been 1,589 outfalls screened for illicit discharges. These include outfalls that discharge to detention ponds and swales. Outfalls that are noted as having a potential illicit discharge are then logged into a spreadsheet for future water testing to determine if an illicit discharge is present. Pictures of each outfall are taken and logged into a database for future reference to show that illicit discharges did or did not appear at the time the picture was taken and what the outfall looked like at that particular point in time. The county plans to do more Illicit Discharge screening as the storm sewer systems within the county's MS4 area continue to be GPS located and the data input into the county's GIS system.

Report-A-Polluter

Allen County has adopted a Report-A-Polluter form and has placed it on the Allen County Website to enable residents to report any illicit discharges discovered. During the reporting period there were two instances where this form was submitted to the Surveyor's Office or used to report an illicit discharge. Additionally, a couple of callers stated that they saw the Report-A-Polluter Form on our website and obtained the phone number to call our office rather than fill out and mail the form.

Citizen Complaints/Illicit Discharges Detected & Eliminated -

Allen County received several complaints from the public concerning illicit discharges. The county promptly responded to these complaints and informed the caller of the subsequent action taken on each complaint. Several

of these complaints resulted in illicit discharges being detected and eliminated. The following illustrate the details and subsequent actions taken by the county on each complaint.

1. Complaint Received (6/11/08)

Caller: Doug Sorrell – Surveyor's Office Inspector

Location: Hillsboro Section II near the corner of Windham Court & Londonderry Lane (straight back) in the Salgy Drain

Hillsboro Subdivision, St. Joseph Township

Allen County Surveyor's Office drainage inspector came across a discoloration in the Salgy Drain that only appeared in that specific location. The rest of the stream was clear. The point of interest had a white discoloration.

Resolution:

Sent a copy of the location and picture of the potential illicit discharge to Susan Beck with the City of Fort Wayne. Even though this is a county regulated drain, the site is located within the City of Fort Wayne limits. Told her the Surveyor's Office would be happy to go out and help investigate the potential issue. She stated the City would send out their inspectors to investigate. The investigation found that it was probably paint that was dumped into the stream and was a one-time occurrence. The City of Fort Wayne contacted the Homeowner's Association President and will have the President place an article in their Association newsletter about not dumping. The City will also place door hangers on the doors of nearby residents to educate them to not dump into the stream.

2. Complaint Received (10/2/08)

Caller: David Didion - INDOT

Location: 12421 Winchester Road, Fort Wayne, IN 46845

Pleasant Township

Received a Report-A-Polluter form and letter from INDOT saying that resident was dipping the ditch near I469 and had left much of the loose dirt within the stream. He also had put an undersized culvert in the stream. He was also filling in a floodway and floodplain area with a privacy mound of dirt near the stream in which the mound went right up to the stream on both sides. He also had no erosion control for anything.

Resolution:

The Surveyor's Office, the Allen County Planning Department, the IDNR, and INDOT have all inspected this site and have found numerous violations of local and state ordinances and code. The owner refused to comply with any of the letters and mandates that were sent explaining the violations. Allen County took this individual to court and a court order was issued that stated that the owner shall remediate and restore the floodplain elevations on the adjacent land to the ditch and shall apply for all federal, state, and local approvals related to this work. The owner will also reconstruct the stream, remove the culvert, and has since applied erosion control. The owner must also provide an engineered set of plans for the work. The owner had to pay \$1500 to the county for the county's attorney fees. The work must be completed by December 31, 2009.

3. Complaint Received (11/13/08)

Caller: Nearby Resident

Location: Corner of Wayne Trace Rd. and Tillman Road

Adams Township

Received complaint of gaseous odors coming from storm sewers and complaint of sewage entering into creek.

Resolution:

Had a representative from IDEM, the Fort Wayne Fire Department, the Surveyor's Office, City Utilities, Homeland Security, and the Health Department onsite to investigate the complaint. It was confirmed that there is sewage coming from the storm pipe into a small creek from neighboring homes and businesses in the area. The Health Department has dye tested the area and found most septic to be failing. The Health Department indicated that the homes and the businesses in the area will be hooked to the neighboring city sanitary sewer system next year. There is a loan from State Revolving Funds that will be closed on in February of 2009 with construction taking place shortly thereafter. The project should be complete by early Fall of next year (2009). It was decided by the Health Department that with the increased expenses that the homeowners hooking into the sanitary sewer lines

will have to endure, that it would not be a good idea to try and fine anyone or cause them to take any further action since the project will be started in a few months.

A couple days later, Matt Jarrett with the Surveyor's Office and Susan Beck with the City of Fort Wayne investigated the gaseous odor complaint coming from the auto service station on the corner. The owners of the service station (Ron Davis and his wife) said the gas company has come out and tested the area for leaks several times. The owner also showed how the used motor oil is burned for heat. Other automotive chemicals and antifreeze are placed in a storage tank and disposed of by an outside vendor called Safety Clean that comes and picks it up. Spills are cleaned up and absorbed by a dry compound placed on the spill and swept up and disposed of by Safety Clean. The floor drains have a sediment catch basin that is cleaned when the sediment begins to prevent flow out. The owner states that the gas smell has been prevalent for a long time and believes its from the sewage passing through the storm drains. The facility was inspected and everything appeared ok. The owner also stated that the homeowner to the east does some car work on the side from his home.

It was decided that we would wait for the sanitary sewer project to be completed in this area and then come back when that is completed to see if this gaseous smell goes away. If it is still prevalent after sewer is installed, further investigation will take place.

4. Complaint Received (4/21/09)

Caller: Anonymous

Location: 8836 Hempford Dr.

Winchester Ridge, Wayne Township

Caller states that the homeowner runs a carpet cleaning business (Perry Carpet Cleaning) out of his home and drains the wastewater from his business out into his backyard and sometimes directly into the storm sewer. Caller states that there is a large orange hose leading from the garage to the backyard (near fence line). Caller states that this takes place several times a day. Orange hose is visible from Dunkelberg Road. Caller saw Report-A-Polluter contact information on the county's website and issued complaint.

Resolution:

Matt Jarrett inspected this site and found a fenced in yard with an orange hose coming out under the fence from the yard. The hose did not have anything coming out of it at that time but appeared to be set up to drain to the roadside swale which then flowed along Dunkelberg Road to the east to the Kinnerk Drain. Pictures of the site were taken and a letter was sent to the homeowner informing him/her of the illicit discharge violation. The next day the owner called and had Matt Jarrett come out to show that this hose was connected to his sump pump piping. This was done to prevent water coming from the sump pump pipe from flowing back down into his basement as the pipe coming from the sump pump to the outside is only taking the water a few feet away from his house. He said IDEM had already taken a water sample and tested the water coming from his hose and found no contaminants. The Health Department confirmed this water test did occur as they were out there too and that nothing harmful was found. Didn't see any issues at this site.

5. Complaint Received (4/28/09)

Caller: Kathy Doseck - Board of Health

Location: 4200 Adams Center Road

Adams Township

Kathy reported oil in the Trier Ditch at Mills Auto & Junk Yard.

Resolution:

This location falls within the City of New Haven MS4 area. Called the MS4 Coordinator for New Haven and provided this complaint to him. The offer was extended by the Surveyor's Office to go inspect this site with him if he needed any assistance.

6. Complaint Received (6/15/09)

Caller: John Kipp - Fox Contractors

Location: 21316 Maumee Center Rd., Woodburn, IN 46797

Maumee Township

Received a notification from a construction contractor involved with the SR 24 widening project (making SR 24 four lanes from Fort Wayne to Toledo instead of two) in which he came across a pipe originating from a hog farm that he thinks is draining potential pig manure into the Marsh Ditch.

Resolution:

Contacted Julie Arquette with IDEM about the problem for further investigation.

7. Complaint Received (7/17/09)

Caller: Francine Klein
Location: Winnsboro Pass, Windsor Woods subdivision
Perry Township

Caller states that pond is a mess with lots of scum on top. Wants to know what chemicals she can put into this since it drains to a wetland and who owns the pond.

Resolution:

Referred her to Brad Baldwin at IDEM to check on what chemicals may be used. Looked up the property owner of the pond.

8. Complaint Received (9/15/09)

Caller: Anonymous
Location: 12921 Leo Road – Miltec Circuits Inc.
Cedar Creek Township

The Surveyor's Office received a complaint that there was an excavator that fell into the Cedar Creek and was overturned and leaking oil and fluids into the creek as a result of some construction work going on at this small commercial site.

Resolution:

Matt Jarrett went out to inspect this site. Met with the owner who stated that he hired a contractor to come out and put in some drainage tile in his yard that sits next to the creek because he has a spring within his yard that has come to the surface and is causing his yard to remain too wet to mow during the year. His contractor got stuck in his yard because it was so wet. Did not see any evidence of any equipment being in the creek as it was obvious where the contractor had gotten stuck. The work that was taking place was well within the owner's yard and there did not appear to be any work taking place near or within the Cedar Creek. The owner stated he wanted to wait until winter when the ground froze to try and get the tile installed as it was too wet for his contractor to install it currently. A stream of water could be seen from the spring trickling through the owners yard and out to the Cedar Creek. There was no evidence of any illicit discharges to the creek.

9. Complaint Received (11/13/09)

Caller: Gaylord Schole
Location: 17605 Tonkel Road, Leo, IN 46765
Perry Township

The Surveyor's Office received a complaint that there were loads of fill dirt being placed into a wetland.

Resolution:

The Surveyor's Office inspected the site and took pictures confirming fill being placed in what looked to be a potential wetland area. The Surveyor's Office sent the property owner (Mr. Gregg Hermance) a letter explaining the regulations on placing fill in a wetland area. Mr. Hermance promptly called the next day and explained that the area was wet as a result of an old broken down tile. The Surveyor's Office explained that if the tile has been broken down long enough, that IDEM may still consider the area to be wetland. The Surveyor's Office provided Mr. Hermance with a number at IDEM to call to obtain more information about this situation. The Surveyor's Office notified IDEM of this property site and the situation. IDEM responded that they were going to go and take a look at the site the next day with the Army Corp of Engineers. IDEM reviewed the site and required the property owner to remove the fill.

10. Complaint Received (3/3/10)

Caller: Internal – Reported by Surveyor's Office Staff
Location: 1240 West Till Road, Fort Wayne, IN 46825
Perry Township

The Surveyor's Office staff report that there is a large pile of horse manure that has been placed within 20-30 feet of the top of the bank of the Becketts Run Ditch. This needs to be moved away from the ditch.

Resolution:

This site is located within the City of Fort Wayne. The Surveyor's Office reported this illicit discharge violation to Susan Beck of the City of Fort Wayne and told her that this manure pile needs to be moved away from the ditch.

11. Complaint Received (3/16/10)

Caller: Internal – Reported by Surveyor's Office Staff
Location: 9604 Coverdale Road
Lafayette Township

The Surveyor's Office staff report that there are cows with free access to the ditch and are standing within and along the ditch bank.

Resolution:

The Surveyor's Office sent pictures and the address of this site to the Soil & Water Conservation District. The SWCD stated that they are already working with this farmer and already have a contract with him which will include fencing outside of the ditch, waterlines and heavy use pads.

12. Complaint Received (4/21/10)

Caller: Allen County Emergency Management
Location: State Line Road and South County Line Road
Monroe Township

Allen County Emergency Management reported a chemical spill into the Flatrock Creek and was seeking Surveyor's Office assistance.

Resolution:

The MS4 Coordinator for Allen County was contacted about a chemical spill into the Flatrock Creek. The MS4 Coordinator arrived on the scene at 6:15 p.m. It was discovered that a farmer (Mr. Schlemmer) was trying to haul a plastic tank of ammonium nitrate and the tank capsized and fell onto the road and burst. There was 1800 gallons of ammonium nitrate at 28% concentration that ran into a nearby catch basin, then into a tile that ran into the Flatrock Creek. This is a large creek that drains the southeast portion of Allen County and large portions of Ohio. The outlet tile was immediately plugged to prevent further flow into the creek. The HazMat team placed absorbent on the road. The farmer used his tractor with a front end loader to dig dirt from the field nearby and blocked off the creek downstream. A contractor (Plumley Excavating) was called in with a bull-dozer and placed another dike further downstream. IDEM representative, Mike Sutton, arrived onsite and did water testing at various points to determine where the concentrations of pollutant became low enough to determine where to place this second dike. Mr. Sutton did not believe that an upstream dike was necessary as it was viewed that the incoming water would eventually over-top the dike anyway and there was adequate equipment available to divert the incoming water. A contractor (J&S Liquid Services) was then called to come in with trucks and a pump to pump the blocked-off polluted water into the truck tanks. This water was then spread on area fields. Once the concentration of pollutant was reduced and tested to be at 2 ppm, the dikes were removed and the banks were re-stabilized. It was very fortunate that there was minimal flow in the creek due to the dry weather that was experienced prior to this spill.

13. Complaint Received (5/13/10)

Caller: Jerry Gerardot
Location: 16807 Hurshtown Road
Cedar Creek Township

Caller says neighbor behind him (Mr. Whitenack) has a horse manure pile that is running down into his pond and eventually makes its way into a roadside drain.

Site visit by Surveyor's Office confirms the manure pile is running into pond of adjacent property. Sent a letter to Mr. Whitenack telling him he was in violation of the county's illicit discharge ordinance and that he had to submit a proposal to the office for how he was going to remedy this. The certified letter sent to his house was denied acceptance. The Surveyor's Office sent a professional to deliver the Notice of Violation to the homeowner with a due date for compliance to be met. Homeowner called the Surveyor's Office to determine what he needed to do to comply. It was agreed that the manure pile was to be spread on portions of his property and farm fields that would not cause detrimental effects to neighbors or storm conveyances. Homeowner agreed to move pile and keep the pile to a minimum and keep it spread.

14. Complaint Received (6/7/10)

Caller: Ken Symonds
Location: 12826 Calaway Drive
Perry Township

Caller says neighbor behind him has his washer hooked up to the storm drain behind house as inlet fills up with suds.

Resolution:

Sample of water taken from within catch basin tested positive for detergent. Talked to the neighbor (Mr. Layton) that was reported to have the improper hook-up. He stated that he did not believe his washer or sump pump were hooked into storm but were hooked properly into sanitary. He invited me in to have a look at the plumbing hook-up. Had Mr. Layton fill his washer up with water and put detergent into it to the point where it was really sudsy. I then had him drain the water from his washer. We went out and watched the inlet to determine if any soapy water came in. There was no sign of any soapy water. Had him run this test again a second time and still no signs of soapy water. Since there are more inlets connected to this inlet upstream, it appears that maybe the source of this detergent could be upstream.

Contacted the Allen County Health Department for assistance. Further water tests from the inlets upstream were performed. None of the inlets upstream tested positive for detergent. Checked the plumbing of the homes nearby to determine if there were any illegal washing machine hook-ups. All of the homes were hooked up properly. Health Department believes that maybe someone washed their floor and the residue washed into the sump pit or that there is another means for the detergent getting into this four inch by four inch inlet. Since the inlet is partially plugged downstream and has water contained in it all the time, it is believed that a soap residue may be contained within the inlet causing the minimal detergent reading. Health Department was going to follow-up with homeowners on these findings and mail their report to everyone.

15. Complaint Received (7/29/10)

Caller: Internal Surveyor's Office Employee
Location: Fort Wayne Plastics, 510 Sumpter Street (Lincoln Industrial Park)
Aboite Township

Surveyor's Office intern found a dumpster where a portion of the dumpster was propped open toward the bottom allowing garbage, sludge, and refuse to drain to a nearby inlet. Inlet was covered with sludge and garbage. This was found during GPS mapping and dry weather screening.

Resolution:

Allen County's MS4 Coordinator investigated the site and confirmed the Illicit Discharge. This issue was brought to the attention of the Plant Manager of Fort Wayne Plastics. The Plant Manager stated he would clean up the inlet and establish measures to prevent this from happening again. He also said he would call when this issue was corrected. MS4 Coordinator informed Plant Manager that our office would be out in a couple weeks to verify that this issue had been addressed.

Illicit Discharge Detection and Elimination Ordinance –

The Allen County Stormwater Management Ordinance was passed by the Board of Commissioners of Allen County on April 25th of 2008. This ordinance includes the requirements for the Illicit Discharge Detection and Elimination Minimum Control Measure as specified by Rule 13.

Illicit Discharge Detection and Elimination Plan –

In order to determine the potential severity for illicit discharges within Allen County, the Allen County Surveyor's Office performed a Desktop Assessment of Illicit Discharge Potential. This Desktop Assessment will be used as a guide for initial field screening and will support initial IDDE program decisions. The results of this assessment show that the St. Joseph River – Cedarville Reservoir subwatershed had the highest Normalized IDP score and therefore has the highest potential of containing illicit discharges. This high-risk subwatershed is being targeted for priority field screening. This assessment will help to identify the subwatersheds where the most severe and greatest number of illicit discharges are to be expected and to correct them sooner rather than later.

Additionally, The Little Wabash River Initiative is conducting a watershed diagnostic study of the Little Wabash River in a three county region that includes southwestern Allen County. As part of this project, there are nine water quality monitoring sites within Allen County that are being used to collect data in the watershed within Allen County. These sites are positioned within various tributaries of this small river where water quality data is being collected to determine which tributaries are causing the greatest problems to the water quality of the river. This data can be used by the county to determine which streams and their corresponding outfalls need to be focused on to find the greatest number of illicit discharges in a shorter period of time within southwestern Allen County.

Additionally, the Allen County Health Department completed several projects in 2009 to extend sanitary sewer lines to convert homes from being on failing septic systems to hooking into sanitary sewer. There were about 431 homes that were hooked into sanitary sewer as a result of these projects. Many of the 431 homes had septic systems that tested as failing.

As far as the estimated or actual acreage or square footage of open space preserved and mapped in the MS4 area, if applicable - The Allen County Planning Department does not currently track or map required open space or common areas in new commercial or residential developments nor do they map pervious or impervious surfaces.

Annual IDDE, Good Housekeeping, and Pollution Prevention Staff Training –

U.S. EPA Webcast – Stormwater 101: The Basics – July 23, 2008

This webcast described why stormwater is a significant water quality problem, and presented an overview of the NPDES stormwater program, including a discussion of the laws, regulations, and permits that shape this regulatory program. A summary of the stormwater requirements addressing municipal, construction, and industrial facets of the program was also discussed. Matt Jarrett from the Allen County Surveyor's Office viewed this webcast.

NPDES CAFO Permit Program Webcast – November 19, 2008

EPA hosted a webcast to provide information on the Final Rule for the NPDES CAFO permit program. An opportunity was provided for the public to submit questions about the supplemental final rule to the EPA presenters. Matt Jarrett of the Allen County Surveyor's Office attended this webcast.

Municipal Facility Staff Training - May 2009 & July 2009

Lori Gates and Heather Buck of Christopher Burke Engineering, LTD along with the Allen County MS4 Coordinator did an onsite walk-thru inspection/training for many of the municipal facilities within Allen County that were deemed to have the highest potential to discharge harmful pollutants to nearby storm conveyance systems. We met with several representatives of each facility to provide suggestions for areas of improvement with regard to Pollution Prevention and Good Housekeeping within these facilities. A comment and deficiency report was produced and provided to the representatives to begin implementing the noted deficiencies.

GPS Meter Training - March 2009

In March of 2009, Matt Jarrett hosted a training session to train the Allen County Inspectors on how to use the new GPS units that the county purchased to be used to do storm system mapping to continue mapping outfalls and pipe systems. The GIS Technician from the Allen County Department of Planning Services helped with the training. This information will then be downloaded into the counties GIS system. There were 3 people from the Surveyor's Office that were trained.

Storm Drain Marking & Illicit Discharge Presentation – April 28, 2009

On 4/28/09 Matt Jarrett (MS4 Coordinator) did a presentation for the Allen County Neighborhood Association meeting on Storm Drain Marking and Illicit Discharges and Illegal Dumping. This is a group comprised of representatives from various neighborhood associations from throughout the county that meet quarterly. The storm drain presentation was given with hopes of obtaining storm drain marking volunteers. Several people volunteered to help mark the storm drains in their neighborhoods as a result of this presentation (See Storm Drain Marking section of this report). About 40 people were in attendance. Two public officials were present at this presentation (County Councilman Roy Buskirk) and elected official John McGauley (County Recorder) of the Records Office.

Community Impacts of Confined Animal Feeding Operations Video Seminar – June 18, 2009

This seminar focused on the findings of a Purdue University study of 50 swine and dairy CAFOs around the State of Indiana. Operators of these operations were interviewed to provide their perspectives, tax data were collected from county offices for each operation, environmental violations were examined, and interviews were conducted with county officials to determine the nature of the issues in the county and the land use policies that were developed to address the issues. The Surveyor's Office provided notice to the county commissioners and Allen County Planning Department about this seminar. Matt Jarrett of the Allen County Surveyor's Office attended this seminar along with a county commissioner and one person from the Allen County Planning Department.

North Highway Barn IDEM Evaluation - July 27, 2009

Allen County hosted an IDEM MS4 Permit Evaluation Compliance Assistance Workshop where the Allen County Highway North Barn hosted a sample Municipal Facility Inspection as part of training for ourselves and other MS4 communities. Reggie Korthals of IDEM conducted the walk-thru inspection of the Highway Barn facility and provided comments and deficiencies with regard to areas around the facility where improvements in stormwater pollution prevention were needed.

2009 INAFSM Conference – September 16-18, 2009

This conference at Pokagon State Park featured speakers on a variety of floodplain and water quality related topics. Matt Jarrett and Allen County Surveyor Al Frisinger attended this conference in its entirety.

Municipal Stormwater Stewards Training – September 22, 2009

The morning session of this training discussed potential ways to utilize and build stormwater programs to attract businesses to communities, discussed getting good economic value out of your stormwater program, and provided studies for alternative site design. The afternoon session provided an overview of the MS4 requirements, discussed illicit discharge detection and elimination, construction and post construction stormwater management, and pollution prevention and good housekeeping. Matt Jarrett from the Allen County Surveyor's Office attended this training.

U.S. EPA Webcast – Illicit Discharge Detection and Elimination 301 – September 30, 2009

This webcast reviewed IDDE terminology and provided methods for tracing illicit discharges back to the source through storm drain network investigations, drainage area investigations, and on-site investigations. The webcast also discussed removing or fixing illicit discharges, including how to decide who is responsible for the removal and how to confirm the correction. Examples of illicit discharges found in the field were also provided. Matt Jarrett from the Allen County Surveyor's Office viewed this webcast.

Storm Drain Marking of Municipal Facilities and SWPPP Training - December 2009

The Allen County MS4 Coordinator GPS located and mapped the inlets, manholes, pipe, control structures, and outfalls of the Allen County Municipal facilities. The manholes for each facility were stenciled with spray paint if they went to a sand and oil separator or if they were sanitary. Storm inlets were marked with a "No Dumping, Drains to Stream" plastic decal. The Allen County MS4 Coordinator utilized the mapping to produce a Stormwater Pollution Prevention Plan for each facility. The plan incorporated a GIS map showing the pipe and outfalls and showed where hot spot areas were located within each facility where pollution prevention measures were of a high priority. There was also a spill prevention plan and solid waste and hazardous waste storage plan incorporated within the pollution prevention plan. Stormwater Pollution Prevention Posters were made for each facility and were placed on the walls at central points around each facility. Representatives of each facility were trained on the use of their SWPPPs.

Co-permittee Staff Training Session/Presentation - January 26th, 2010

Matt Jarrett of the Allen County Surveyor's Office (MS4 Coordinator) and Matt Jones of the Allen County Partnership for Water Quality hosted a training session for the co-permittees of Hometown and Leo-Cedarville. The presentation discussed specific activities and measures that the staff of each co-permittee could implement to improve their water quality programs to meet the Rule 13 regulations and satisfy the requirements of their Memorandum of Agreement. The presentation also discussed the upcoming IDEM audit and work that needs to be done to prepare for this. Additionally, the presentation provided information on the value of each community participating in the Allen County Partnership for Water Quality meetings and trying to get each community to send someone to those meetings to utilize this important resource to further network and work together on our water quality goals. There were 3 representatives from Leo-Cedarville that attended this training session and two representatives from Hometown that attended the session.

d. Construction Site Storm Water Run-off Control:

Erosion and Sediment Control Ordinance –

The Allen County Stormwater Management Ordinance was passed by the Board of Commissioners of Allen County on April 25th of 2008. This ordinance includes the requirements for the Erosion and Sediment Control Construction Site Minimum Control Measure as specified by Rule 13.

Plan Review, Site Inspection, and Enforcement –

Plan reviews for erosion and sediment control are performed by the MS4 Coordinator for every project meeting the Ordinance requirements. Stormwater quantity reviews are also performed by the Surveyor's Office Engineering staff for each project meeting the Ordinance requirements. Erosion and sediment control inspections are performed on a regular basis for each active construction site project.

For the 2008-2010 reporting period, the county has not issued any fines for erosion and sediment control deficiencies. There were two stop action orders for the reporting period. The first stop action order was issued for The Heritage of Fort Wayne construction site for draining a basin without proper filtration measures in place. This was promptly corrected.

A second stop action order was also issued for violations of a property owner that was dipping a ditch near I469 and had left much of the loose dirt within the stream. He also had put an undersized culvert in the stream. He was also filling in a floodway and floodplain area with a privacy mound of dirt near the stream in which the mound went right up to the stream on both sides. He also had no erosion control for anything.

Allen County, the IDNR, and INDOT have all inspected this site and found numerous violations of local and state ordinances and code. The owner refused to comply with any of the letters and mandates that were sent explaining the violations. Allen County took this individual to court and a court order was issued that stated that the owner shall remediate and restore the floodplain elevations on the adjacent land to the ditch and shall apply for all federal, state, and local approvals related to this work. The owner must also reconstruct the stream, remove the culvert, and must apply erosion control. The owner must also provide an engineered set of plans for the work. The owner had to pay \$1500 to the county for the county's attorney fees.

All other construction site deficiencies were addressed with the issuance of an inspection report providing a listing of the site issues discovered or by calling the contractor to discuss the report and at times meeting the contractor on site to explain where the deficiencies were located and providing suggestions on how to correct the issue.

Inspections for erosion and sediment control are done on a regular basis. In 2008 there were 13 construction sites inspected, in 2009 there were 38 sites inspected, and in the first half of 2010 there were 6 sites inspected. See attached sheet entitled "Allen County Surveyor's Office Stormwater BMPs By Year."

Staff Training –

The following are staff training opportunities for the construction and post construction minimum control measures along with general training opportunities regarding stormwater quality.

Erosion and Sediment Control Staff Training for Inspections – Year 2008 & 2009

The MS4 Coordinator provided staff training for the Allen County Surveyor's Office Field Inspectors on several occasions during the year 2008 and 2009. The MS4 Coordinator took each inspector to 3-4 different construction sites to walk them through what to look for with regard to doing an inspection and on how to properly fill out the Surveyor's Office Inspection Form. This was done on several different occasions until both inspectors were confident of handling this duty on their own.

Everett J. Prescott Presentation and Training Session on Erosion & Sediment Control – January 9, 2008

This all day seminar provided presentations by various companies describing the use of their product at aiding in erosion and sediment control. This presentation was attended by area contractors, consultants, and local government staff. There were 3 people from the Allen County Surveyor's Office in attendance.

U.S. EPA Webcast – BMP Performance – February 6, 2008

This webcast explored the details of BMP performance, including pollutant concentrations, volume reduction, and total load reduction. It introduced the new EPA web-based Urban BMP Performance Tool, which is a directory of hundreds of studies on BMP performance, and discussed the performance myth of “percent removal.” The Allen County Surveyor’s Office had one person view this webcast along with two people from the City of Fort Wayne.

INAFSM Stormwater Quality Subcommittee – Rule 13 Permit Process – February 6, 2008

This meeting discussed the Rule 13 Permit Renewal process. Matt Jarrett of the Allen County Surveyor’s Office attended this meeting via telephone conference.

EJP Tools and Techniques for Erosion and Sediment Control Workshop – February 27, 2008

This workshop reviewed common problems and solutions associated with jobsite sediment and erosion control. A strong emphasis was placed on the evolution of new products and techniques dealing with construction related sediment containment and permanent erosion control measures.

Maumee River Basin Partnership of Local Governments Meeting – March 20, 2008

This meeting had a speaker from Findlay, Ohio provide a presentation on the Northwest Ohio Flood Mitigation Partnership whose purpose is to help expedite a solution to flooding along the Blanchard River in Findlay. Findlay has had many problems with flooding in the past and is looking to remedy this problem. Stormwater Program Funding was also a discussion point at this meeting. Matt Jarrett from the Allen County Surveyor’s Office attended this meeting.

SWPPP Training Session – March 31, 2008

The Allen County Soil and Water Conservation District sponsored a workshop to provide training for engineers, developers, contractors, and MS4 staff to discuss SWPPP preparation and needed content, to discuss the new Indiana Storm Water Quality Manual, the Rule 5 requirements, and to answer questions on the city and county Stormwater Ordinances. Rob Beck of IDEM was the featured speaker. The Allen County MS4 Coordinator provided information during the session on the county Stormwater Management Ordinance Requirements. There were about 50 people in attendance. There were 4 staff members from the Allen County Surveyor’s Office that attended.

2008 IDEM MS4 Annual Meeting – April 3, 2008 - 2 people from the Surveyor’s Office and 2 from the SWCD in attendance.

U.S. EPA Webcast – Stormwater Retrofitting – April 9, 2008

The Center for Watershed Protection discussed ways to develop and implement a successful retrofit program and discussed their new manual, Urban Stormwater Retrofit Practices, which addresses retrofitting existing urban lands such as parking lots, residential streets, conveyance systems, and landscaped areas. Matt Jarrett from the Allen County Surveyor’s Office viewed this webcast.

Lunch & Learn Film – May 2, 2008

The Allen County Partnership for Water Quality and the City of Fort Wayne provided a private screening of a film made in Curitiba, Brazil entitled “A Convenient Truth.” This documentary showed how different urban innovations in the areas of transportation, recycling, social benefits through affordable housing, parks and flood control are working to transform Curitiba into a model green city. There were three people from the Allen County Surveyor’s Office that attended this documentary viewing.

U.S. EPA Webcast – Assessing the Effectiveness of Your Municipal Stormwater Program – June 4, 2008

The EPA presented the Municipal Stormwater Program Effectiveness Assessment Guidance Document, which describes a range of assessment methods that municipalities can use to assess all aspects of their program. Matt Jarrett from the Allen County Surveyor’s Office viewed this webcast.

INAFSM Stormwater Committee Meeting – June 6, 2008

This meeting discussed the EPA Audit Guide and the MS4 program audits. Matt Jarrett from the Allen County Surveyor’s Office attended this meeting via telephone conference.

Stormwater Quality Training Session – July 17, 2008

The City of Fort Wayne sponsored a stormwater quality training session for city and county staff. The session focused on criteria for choosing water quality treatment options, including using treatment trains, discussed what is the “first flush” and how it is calculated, discussed how to size a manufactured stormwater quality unit or

another water quality treatment option, and discussed when are BMPs needed or required. There were three staff members from the Allen County Surveyor's Office that attended this staff training session.

U.S. EPA Webcast – Stormwater 101: The Basics – July 23, 2008

This webcast described why stormwater is a significant water quality problem, and presented an overview of the NPDES stormwater program, including a discussion of the laws, regulations, and permits that shape this regulatory program. A summary of the stormwater requirements addressing municipal, construction, and industrial facets of the program was also discussed. Matt Jarrett from the Allen County Surveyor's Office viewed this webcast.

Indiana Watershed Networking Session - Indianapolis Cultural Trail and Keep Indianapolis Beautiful LEED Facility tour – August 20, 2008

Took a tour of the Keep Indianapolis Beautiful (KIB) facility to see first hand the LEED certified techniques that were utilized at this facility including such BMPs as a rain garden, large cistern, and porous pavement, to name a few. Also took a tour of the Indianapolis Cultural Trail to explore how they designed and integrated stormwater quality improvements into this new community project. Matt Jarrett from the Allen County Surveyor's Office attended these tours along with three staff members from the Allen County Soil & Water Conservation District.

“Ecological Engineering” Lunch & Learn Presentation – August 21, 2008

Williams Creek consulting provided a presentation that discussed the cost-benefits of proper storm water design and implementation and looked at several BMPs that are approved by EPA and are compliant with LEED and Low Impact Development standards to show the cost benefits of these BMPs over standard piping. There were about 15 – 20 engineers and developers present at this presentation. Matt Jarrett from the Allen County Surveyor's Office attended along with Matt Jones from the Partnership for Water Quality and two staff members from the Allen County Soil & Water Conservation District.

U.S. EPA Webcast – Tools and Guidance for Developing Your Post-Construction Stormwater Management Program – September 3, 2008

This webcast discussed the Center for Watershed Protection's new manual "Managing Stormwater in Your Community: A Guide for Building an Effective Post-Construction Program." The webcast featured a detailed look at the tools and key features of the new manual, including conducting a program self-assessment, developing effective stormwater management criteria, incorporating credits for LID and runoff reduction, and building a local guidance manual using off-the-shelf resources. Matt Jarrett from the Allen County Surveyor's Office viewed this webcast.

INAFSM Stormwater Committee Meeting – October 3, 2008

This meeting discussed Good Housekeeping & Pollution Prevention, provided IDEM informational updates, and discussed the Center for Watershed Protection's new post construction guidance manual. Matt Jarrett from the Allen County Surveyor's Office attended this meeting via telephone conference.

Maumee River Basin Partnership of Local Governments Meeting – November 20, 2008

This meeting discussed the Western Lake Erie Basin Partnership updates and had a speaker from the USGS present on their activities of monitoring of water resources. Matt Jarrett from the Allen County Surveyor's Office attended this meeting.

U.S. EPA Webcast – Using Rain Gardens to Reduce Runoff – December 3, 2008

This webcast provided information in developing and marketing successful rain garden programs for municipalities, developers, and homeowners to help manage runoff and provide water quality benefits. Matt Jarrett from the Allen County Surveyor's Office viewed this webcast.

GPS Meter Training - March 2009

In March of 2009, Matt Jarrett hosted a training session to train the Allen County Inspectors on how to use the new GPS units that the county purchased to be used to do storm system mapping to continue mapping outfalls and pipe systems. The GIS Technician from the Allen County Department of Planning Services helped with the training. This information will then be downloaded into the counties GIS system. There were 3 people from the Surveyor's Office that were trained.

Maumee River Basin Partnership of Local Governments Meeting – March 26, 2009

This meeting discussed the creation and history of Fort Wayne's Stormwater Utility and discussed the City of Toledo's utility credit program for stormwater BMPs. The meeting also had speakers that discussed setting

stormwater standards for development and advocating stormwater standards to go green. Matt Jarrett from the Allen County Surveyor's Office attended this meeting.

Stormwater Green Infrastructure Information Sessions – April 14 & 28, 2009

Fort Wayne City Utilities hosted an information session on Low Impact Development to help people learn more about the benefits of using green infrastructure. The information session featured presentations by local and regional design professionals and case studies were used to discuss the economic, technical, and regulatory aspects of using Low Impact Development. Specific case studies were used to demonstrate the applicability of Low Impact Development in this region. Additionally, an information session on Pervious Pavement was also provided in which case studies were used to demonstrate the applicability of pervious pavement in this region. Matt Jarrett from the Allen County Surveyor's Office attended both of these information sessions.

EJP, Inc. Erosion Control Workshop – April 22, 2009

This local pipe and erosion control product supplier provided a seminar for government regulators and construction developers, contractors, and engineers that featured live product installations and demonstrations, and focused on the tools and techniques needed for effective jobsite erosion and sediment control along with the latest technological advances in the erosion control industry. There were about 25 people in attendance. Three people from the Allen County Surveyor's Office attended this seminar.

2009 IDEM MS4 Annual Meeting – April 23, 2009 - 2 people from the Surveyor's Office and 1 from the SWCD were in attendance.

ASIST Database Training - May 12, 2009

On May 12th, 2009 Matt Jarrett hosted a training session to train county employees on the new ASIST Database software that was purchased to enable employees to better track water quality reporting requirements and activities that each department has to maintain during a given year and provide a place where these activities can be logged for the Annual Report. The database program can be linked across multiple departments. The following employees attended:

Cheryl Zurbrugg – Surveyor's Office
Sharman Bultemeier - Surveyor's Office
Matt Jarrett - Surveyor's Office
Mike Yoder - Surveyor's Office
Joe Magsam - Surveyor's Office
Susan Elser - Surveyor's Office
Jim Feller - Surveyor's Office
William Shiningler - Surveyor's Office
Steve Scheckel - Surveyor's Office
Doug Sorrell - Surveyor's Office
Mike Stiffarm – Highway Department
Daisy Elliott - Highway Department
Beth McKeeman - Highway Department
Matt Jones – Soil & Water Conservation District
Jack Gensic – Health Department
Austin Carpenter – Solid Waste Management District

U.S. EPA Webcast – Funding, Incentives, and Brownfield Redevelopment – June 23, 2009

This webcast included summaries of local incentives that communities have used to encourage the use of green infrastructure approaches. The webcast also covered design considerations and appropriate best management practices for stormwater management on brownfields. Matt Jarrett from the Allen County Surveyor's Office viewed this webcast.

Maumee River Basin Partnership of Local Governments Meeting – July 16, 2009

This meeting discussed the NPDES and Rule 13 Stormwater regulations, discussed the benefits of forming educational partnerships with other communities and other MS4s, and provided information on issues within the Maumee River watershed. Matt Jarrett from the Allen County Surveyor's Office attended this meeting.

MS4 Permit Evaluation Compliance Assistance Workshop – July 27, 2009

This IDEM sponsored workshop provided information to help prepare MS4s for their permit evaluation and inspection. Allen County hosted this workshop and provided a sample inspection site. There were 23 people in

attendance with 6 people from Allen County attending and one person from Leo-Cedarville attending (co-permittee).

2009 INAFSM Conference – September 16-18, 2009

This conference at Pokagon State Park featured speakers on a variety of floodplain and water quality related topics. Matt Jarrett and Allen County Surveyor Al Frisinger attended this conference in its entirety.

Municipal Stormwater Stewards Training – September 22, 2009

The morning session of this training discussed potential ways to utilize and build stormwater programs to attract businesses to communities, discussed getting good economic value out of your stormwater program, and provided studies for alternative site design. The afternoon session provided an overview of the MS4 requirements, discussed illicit discharge detection and elimination, construction and post construction stormwater management, and pollution prevention and good housekeeping. Matt Jarrett from the Allen County Surveyor's Office attended this training.

Rain Barrel Meeting – October 26, 2009

Allen County and the City of Fort Wayne representatives met to discuss ideas for creating an informational brochure and packet on the installation and maintenance of rain barrels. The Allen County Soil and Water Conservation District is considering offering a rain barrel program to Allen County residents in 2010. Informational brochures would be distributed with each rain barrel and its hardware kit to address rain barrel issues such as stagnant water, mosquitoes, maintenance of the rain barrels, winterizing, etc. This information would be distributed to help reduce any problems that rain barrels may cause in area neighborhoods. Matt Jarrett from the Allen County Surveyor's Office attended this meeting.

Internal Newsletter - January 2010 - The Allen County Partnership for Water Quality established a new Inter-agency Newsletter, entitled "Water Views and News." The intent of this newsletter is to provide updates and information to key co-workers and elected officials of the activities of the Partnership for Water Quality and to act as an inter-departmental communication to promote and educate agencies, departments, and elected officials of new research and interesting news and information pertaining to water quality. This will be a quarterly newsletter. The Allen County Commissioners and County Council are on the mailing list for this newsletter, along with County Highway Supervisors, Health Department Supervisors, the Allen County Solid Waste District Supervisor, the Planning Department Supervisor, the Parks Department Supervisors, and the Rule 13 co-permittees, to name a few.

Contractor Stormwater Workshop – April 2010

The Allen County Soil & Water Conservation District with the help of the Allen County Partnership for Water Quality hosted a stormwater workshop to provide training for construction professionals such as engineers, developers, and contractors on proper erosion and sediment control measures that should be utilized on construction sites. The workshop featured a presentation on proper erosion and sediment control measures along with pollution prevention measures for construction sites. The workshop also provided an onsite walk-thru of an existing construction site to evaluate and determine where improvements to erosion and sediment control could be implemented and to determine areas where effective erosion and sediment control measures were being utilized.

Erosion and Sediment Control and Post Construction BMP tracking –

The Surveyor's office purchased the ASIST software to set up a database to track construction projects, erosion and sediment control activities, and post-construction BMPs. The Surveyor's Office also uses Microsoft Access and Microsoft Excel to provide further tracking of the status of projects, inspections, enforcement actions, and complaints.

Procedure for Prioritizing Review and Inspection of Construction Activities –

The procedure for prioritizing review and inspection of construction activities was completed and is being utilized.

Inspection and Enforcement Documentation –

Inspections for erosion and sediment control and stormwater quantity construction activities are done on a regular basis. An inspection checklist form is completed for every site where an erosion and sediment control inspection takes place. All inspection forms are filed for future reference. The inspection results along with any noted deficiencies are sent immediately to the project site owner and contractor to be corrected by the date specified in the report. Follow-up inspections are performed to determine if the site deficiencies are corrected. A follow-up inspection report is completed and sent to the property owner and contractor. If deficiencies persist the county

has the ability to issue fines or a stop work order. Copies of all follow-up inspection reports are also filed for future reference. Documentation is added within the construction site database to track which sites need inspections and at what point.

Quality Assurance/Quality Control (QA/QC) of Overall Program –

All County owned and operated projects that require Rule 5 review were submitted to the Allen County Soil and Water Conservation District for review approval and inspection.

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

Post-construction Control Ordinance –

The Allen County Stormwater Management Ordinance was passed by the Board of Commissioners of Allen County on April 25th of 2008. This ordinance includes the requirements for the Post-Construction Minimum Control Measure as specified by Rule 13.

Post-construction BMP Operation and Maintenance Plan –

Currently the county only owns a constructed wetland area that is located within Metea Park as a post-construction BMP. Maintenance activities are performed by park staff as necessary. Upon acquisition of any future BMPs, the county will develop and implement an Operation and Maintenance (O & M) Plan.

Post Construction Structural BMPs

The county had many structural BMPs that were installed at many different private construction sites throughout the county. These BMPs will be maintained by the property owner or homeowners association. In 2008 there were 37 BMPs installed, in 2009 there were 56 BMPs installed, and in the first half of 2010 there were 13 BMPs installed. Structural BMPs that were installed within construction sites throughout the county include wet and dry detention ponds, forebays, in-line separation units, constructed detention wetlands, grassed swales, multiple-stage weirs, filter strips, infiltration trenches, rain gardens, bio-swales, bio-retention areas, and grade beams. See attached sheet entitled "Allen County Surveyor's Office Stormwater BMPs By Year."

The Allen County Surveyor's Office inspects every new county regulated development throughout the county to make sure their storm pipe and emergency overflow weirs are adequately installed according to the plans that have been approved. The county also inspects all ditches that may have work done to make sure spraying for brush, reconstruction, and dipping of ditches are performed to the contract specifications. The county will begin inspecting post construction BMPs such as ponds and separator units during the next reporting period.

The county reviewed the construction plans for one new retail gasoline facility during the reporting period and required the facility to implement a separator unit to trap hydrocarbon spills.

Post Construction Non-Structural BMPs

The Allen County Surveyor's Office references the Indiana Stormwater Quality Manual as those non-structural BMPs that are approved for use within Allen County. Allen County and its co-permittees have adopted construction and post-construction BMP requirements for new construction by ordinance and have outlined accepted BMPs and design practices in the Allen County Technical Standards Manual. Allen County charges review fees based on disturbed acreage to try and encourage a reduction in the limits of clearing and grading. Allen County has established a standard that for all new construction projects, there must be new BMPs, individually or in combination, that meet an 80% Total Suspended Solids removal rate of 110 microns or larger without re-entrainment in order to gain Surveyor's Office Stormwater Management Approval. All construction sites must submit a stormwater pollution prevention plan for review and obtain approval before construction can commence.

Allen County requires an Operations and Maintenance Manual be prepared for the future property owner of a site to provide guidelines on routine maintenance and provide a timeline for routine inspections of all post construction BMPs. Additionally, the Surveyor's Office requires the property owner to provide a signed copy of a Maintenance Agreement that states that the property owner is responsible for maintaining all Post Construction BMPs at the property owners cost and that the Surveyor's Office has the right to inspect the property to verify these BMPs are indeed being maintained. Lastly, the Allen County Surveyor's Office Technical Standards Manual requires all new manhole and inlet castings for new projects to be pre-stamped with an appropriate "clean water" message.

Wetland & Other Programs

Rain Barrel Program

The Allen County Soil and Water Conservation District is considering offering a rain barrel program in 2010. Coca-Cola Bottlers of Fort Wayne has agreed to provide 55 gallon plastic barrels to the SWCD free of charge. However, this will only satisfy a portion of the large demand that is expected. The SWCD will then offer a retrofit hardware kit for purchase to convert the barrels into a rain barrel. The kit would have to be purchased to obtain a barrel. The City of Fort Wayne is working to develop informational brochures and packets to be distributed with each rain barrel. These informational brochures would address rain barrel issues such as stagnant water, mosquitoes, maintenance of the rain barrels, winterizing, etc. This information will be distributed to help reduce any problems that rain barrels may cause in area neighborhoods. The SWCD began promoting the rain barrel program at the Fort Wayne Home and Garden show. Initial interest in this program seems high as there are hundreds of people on the waiting list.

Camp Scott Wetland

Camp Scott is an engineered wetland that was constructed as a storm water detention facility that helps to reduce the risk of basement backups during wet weather conditions in neighborhoods around McMillen Park. This also helps to manage the number of CSOs being sent to the Maumee River. This wetland is maintained by the City of Fort Wayne. The Allen County Partnership for Water Quality provides tours and various educational events at this wetland that is open to the public.

Little River Wetland Project

The mission of Little River Wetlands Project, Inc. is to facilitate the restoration of wetlands in the historical Little River watershed and provide educational opportunities that inspire and challenge individuals to be good stewards of all natural resources.

The programs of the Little River Wetland educate people of all ages about wetlands and related nature topics. This organization is also a good neighbor, supplying consultation to private parties who wish to preserve or restore their land, opportunities for scientific study to nearby universities, and recreation in the form of hiking, birding, and nature photography for the residents of Allen County and surrounding areas. The wetlands within this area are maintained by the Little River Wetland Initiative Board and area volunteers.

Southtown Shopping Center Wetland

The Southtown Wetland is a constructed wetland that was designed to detain storm water runoff from the shopping center parking lot and the surrounding watershed. This wetland will be used by the Allen County Partnership for Water Quality for various educational purposes. This wetland is maintained by the City of Fort Wayne.

Little Wabash River Initiative

This project entailed a watershed diagnostic study of the Little Wabash River in a three county region that includes southwestern Allen County that provided a look at the rivers' surrounding landuse and community resources. Data collection and subwatershed prioritization was determined as part of the watershed diagnostic study. Water quality sampling occurred in the Spring of 2008. The project was sponsored by the Whitley County Soil and Water Conservation District and funded through the Department of Natural Resources' Lake and River Enhancement Program. The project included various water quality assessments and aimed to make recommendations related to improving the river itself, coordinating landuse across counties, reducing pollution, and potentially improving recreation or other natural resource amenities. The team conducted a public meeting in April 2008 with key local stakeholders to share information and provide results of the water quality study of a portion of the Little Wabash River. Currently the initiative is looking at obtaining LARE (Lake and River Enhancement) money to begin implementing BMPs in the subwatersheds found to have the lowest water quality test results. The BMPs being looked at include buffer strips, wetlands, grassed swales, and rain gardens.

St. Joseph, St. Marys & Upper Maumee River Watershed Groups

These watershed groups cover portions of Allen County and have or are in the process of formulating a watershed management plan. Each plan addresses many post construction BMPs where cost-share opportunities are available to provide incentives to implement these water quality BMPs along with providing public education on different practices to help improve water quality.

Low Impact Development Sites

Parkview North Hospital Construction

In the design of this project site, there were a series of flat, dry basins implemented to allow increased infiltration instead of using pipe to route the water. There were three rain gardens implemented on this site to accept drainage from nearby parking lots. The engineer developed this as a low impact development site and projected a cost savings of \$1.5 million dollars from using less pipe.

Canyon Cliffs Development

In the design of this low impact development project site, every house is required by covenant to construct a rain garden for every downspout coming from their roof. This site has bio-swales along the entire length of the roads within the development and there are several bio-retention areas within this 100+ acre development that the bio-swales drain into. Very minimal amounts of storm pipe were used on this site as much of the water will be infiltrated on-site due to the sandy condition of the soil within this area.

Post Construction Retrofits

Ascension Lutheran Church (St. Joe Road) – 2009 – Water from this church's detention pond outfall was not properly routed and was making its way to neighboring properties and causing flooding problems to nearby neighbors. The church submitted a project to expand its building which enabled the Allen County Surveyor's Office to specify a retrofit to the drainage of this site. The detention basin was enlarged and modified, the basin outfall water from this site was rerouted to a neighboring roadside ditch, and additional water quality retrofits were incorporated in this project by adding a long, winding vegetated swale prior to the detention basin.

f. Pollution Prevention and Good Housekeeping for Municipal Operations:

All municipal facilities that store hazardous materials were inspected and instructed to implement secondary containment measures for the storage of polluting materials. The following Pollution Prevention and Good Housekeeping measures and activities took place for this reporting period:

May 2009 & July 2009 - Lori Gates and Heather Buck of Christopher Burke Engineering, LTD along with the Allen County MS4 Coordinator did an onsite walk-thru inspection/training for many of the municipal facilities within Allen County that were deemed to have the highest potential to discharge harmful pollutants to nearby storm conveyance systems. We met with several representatives of each facility to provide suggestions for areas of improvement with regard to Pollution Prevention and Good Housekeeping within these facilities. A comment and deficiency report was produced and provided to the representatives to begin implementing the noted deficiencies. The following is a list of facilities that were inspected along with the representatives that were present for training.

Allen County Highway South Barn – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Jeff Sorg: Highway Department Project Manager
Ben Ridenour: South Highway Barn Head Supervisor
Rick Eubank: Highway Fleet Manager

Allen County Highway North Barn – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Jeff Sorg: Highway Department Project Manager
Randy Knach: North Highway Barn Head Supervisor
Rick Eubank: Highway Fleet Manager
Denny Holycross: Foreman

Huntertown Maintenance Barn – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Todd Fortman: Assistant Superintendent of Facilities

Huntertown Water Treatment Plant – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees and Huntertown employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Todd Fortman: Huntertown Assistant Superintendent of Facilities

Allen County Vector Control – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Dave Fiess: Head of Vector Control

Allen County Sign Shop – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Scott Maylan: Sign Maker

Allen County Service Center – Lori and Heather walked the entire facility and the grounds and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Larry Pray: Head of Service Center

Fox Island County Park – Lori walked through the Maintenance Garage of the facility and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Tom Lochner: Fox Island Head of Maintenance

Metea County Park - Lori walked through the Maintenance Garage of the facility and the basement area of the Main Park Building and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Bob Dispenza: Head of Metea Park

Leo-Cedarville Park - Lori walked through the Maintenance Garage of the facility and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees and Leo-Cedarville employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Cindy Kimm: Leo-Cedarville Chair of Parks Department

Leo-Cedarville Office of the Town - Lori walked through the Maintenance Garage of the facility and provided points of improvement and potential violations that need to be addressed for the Rule 13 Water Quality requirements for municipal facilities. Pictures were taken and a written report was provided by Lori for this facility on the issues that were found that need to be addressed. Allen County employees and Leo-Cedarville employees present for the walk-thru and on-site training were:

Matt Jarrett: MS4 Coordinator
Peggy Garton: Leo-Cedarville Town Administrator
Ron Tipton: Leo-Cedarville Head of Maintenance

June 10, 2009 – there was 500 gallons of liquid petroleum that leaked out of a tanker truck at the Allen County South Highway Barn. The leak was due to a valve on the vendor's tanker truck that had failed while the vendor was refilling the Highway Barns' petroleum tank. The petroleum was able to flow downhill and reach the nearby Bendor # 1 Ditch. Highway workers began moving sand and dirt into the ditch to stop the petroleum from spreading while they waited for the Fire Department and State officials to arrive. Fortunately, the ditch was dry at the time of the spill. Officials with IDEM, IDNR, and Allen County Homeland Security were present to assist with the spill. Soil in the creek bed and the contaminated ground between the ditch and tank was removed. The vendor hired a company to clean up the spill and paid for its remediation. The Highway Department implemented future

runoff controls to prevent any future spills from being able to drain into the ditch, such as placing a flap valve on the pipe inlets to the creek to be able to close the inlets during a spill, as there is a containment berm along most of the ditch between the Highway Grounds and the ditch itself. Secondary containment was also added to the petroleum storage tanks.

July 27, 2009 – Allen County hosted an IDEM MS4 Permit Evaluation Compliance Assistance Workshop where the Allen County Highway North Barn hosted a sample Municipal Facility Inspection as part of training for ourselves and other MS4 communities. Reggie Korthals of IDEM conducted the walk-thru inspection of the Highway Barn facility and provided comments and deficiencies with regard to areas around the facility where improvements in stormwater pollution prevention were needed.

December 2009 – The Allen County MS4 Coordinator GPS located and mapped the inlets, manholes, pipe, control structures, and outfalls of the Allen County Municipal facilities. The manholes for each facility were stenciled with spray paint if they went to a sand and oil separator or if they were sanitary. Storm inlets were marked with a “No Dumping, Drains to Stream” plastic decal. The Allen County MS4 Coordinator utilized the mapping to produce a Stormwater Pollution Prevention Plan for each facility. The plan incorporated a GIS map showing the pipe and outfalls and showed where hot spot areas were located within each facility where pollution prevention measures were of a high priority. There was also a spill prevention plan and solid waste and hazardous waste storage plan incorporated within the pollution prevention plan. Stormwater Pollution Prevention Posters were made for each facility and were placed on the walls at central points around each facility. Representatives of each facility were trained on the use of their SWPPPs.

During the mapping of the pipe locations, the North Highway Barn found three internal storm drains that were supposed to be piped to the oil and sand separator and were not (they were piped directly outside to the storm drains and stream). In 2010 the North Highway Barn rerouted these drains into the oil and sand separator system which then flows to the sanitary sewer system.

December 2009 - The Allen County North Highway Barn and the Allen County South Highway Barn purchased spill kits to address potential large spills. A total of 8 kits were purchased (4 for each barn). Other county departments were contacted to alert them that the county barns were equipped with these spill kits that could be of use as a resource for large spills located anywhere throughout the county. Each barn has four kits consisting of the following items:

- 2.) Three 95 gallon packs
 - i.) Two of which are multi-purpose packs that have one 250 foot boom and one 6 inch boom.
 - ii.) One of which is an oil only pack that has one 250 foot boom and one 6 inch boom.
- 3.) One 50 gallon multi-purpose pack that has a 4 inch boom in it.

January 2009 – During GPS mapping of the internal floor drains, the Allen County Service Center found one internal floor drain that was not connected to the Sand/Oil trap and flowed directly to a city CSO. The Allen County Building and Maintenance Department was informed of this and the drain was rerouted to the sand and oil trap.

April 2, 2009 – Municipal Staff Training – Three people from the Allen County Surveyor’s Office (including the County Surveyor) met with three people from the Allen County Highway Department (including the Head of the Highway Department) to discuss the NPDES stormwater requirements, the reporting requirements and what needs to be input into the ASIST database, the upcoming IDEM audit was discussed, a mock walk-thru of the Highway Barn facilities was discussed along with creating a SWPPP for each facility, and we discussed when and why we have to submit our Water Quality Reports to IDEM.

February 2010 – The Allen County Highway North and South Barns sent two people from each barn to a three day, 24 hour Haz-mat training session.

2010 – The Soil and Water Conservation District did on-site training for various County Highway road projects throughout the year to train construction site personnel on proper erosion and sediment control for these types of projects.

MS4 Conveyance System Maintenance –

The following conveyance systems and structures were maintained during the report period:

1.) Allen County Highway Department cleaned and dipped roadside ditch along Franke Road – Jefferson Township, Section 29, (2/8/08) 2.) Added rip rap stone aggregate over tile as tile was exposed in some areas - Windward Tile, Perry Township, Section 15, (4/8/08) 3.) Surveyor's Office removed dead trees from within ditch as they were blocking flow – Belot Ditch, Perry Township, Section 27, (4/23/08) 4.) Sink hole over concrete pipe – repaired section of pipe – St. Joseph Township, Section 23, Arlington Park Subd., (4/30/2008) 5.) Removed tree in ditch that was blocking flow – Marion Township, Section 13, (5/08/08) 6.) Sink hole over concrete pipe – repaired section of pipe – Cedar Creek Township, Section 31, (5/13/08) 7.) Repaired erosion around catch basin – Perry Township, Section 29, Carroll Oaks Subd., (5/21/08) 8.) Removed three blockages from stream – Lake Township, Section 12, Benward Drain (5/22/08) 9.) Repaired erosion on a ditch bank – St. Joseph Township, Section 20, Schoppman Drain, (5/22/08) 10.) Allen County Highway Department cleaned a catch basin that appeared plugged and was causing problems – Jefferson Township, Section 9, (6/6/08) 11.) Repaired manhole – Aboite Township, Section 3, (7/7/08) 12.) Removed blockage in ditch – Wayne Township, Section 21, Trentman Drain, (8/14/08) 13.) Replaced inlet casting to prevent stones and debris from falling into casting – Perry Township, Section 33, (9/18/08) 14.) Removed blockage in ditch – Adams Township, Section 36, Dauer Drain, (10/9/08) 15.) Allen County Highway Department cleaned out roadside catch basin – Pleasant Township, Section 35, (11/10/08) 16.) Removed blockage in ditch – Eel River Township, Section 27, Geller Drain, (11/14/08) 17.) Removed tree in the ditch – St. Joseph Township, Section 26, Bullerman Branch #7, (2/12/09) 18.) Repaired sections of tile where sinkholes were forming – Madison Township, Section 29, Houk Ditch Branch #3, (3/11/09) 19.) Removed twigs and leaves from plugged inlet – Aboite Township, Section 12, Inverness Lakes Subd., (4/3/09) 20.) Repaired washout near catch basin – Perry Township, Section 17, (4/3/09) 21.) Sent property owner a certified letter to remove fertilizer storage containers away from the ditch bank as owner was storing them near ditch and they were falling into ditch – Adams Township, Section 34, Adams Ditch, (4/8/09) 22.) Jetted plugged drain pipe to clear blockage – Cedar Creek Township, Section 31, Oak Pointe Subd., (4/20/09) 23.) Repaired bank slide and erosion along stream bank with rip rap – Washington Township, Section 6, Benward Drain, (4/24/09) 24.) Did ditch bank repair of pulling bank back and placing shot rock along bank to prevent further erosion – St. Joseph Township, Section 20, Schoppman Drain, (5/5/09) 25.) Tree down in ditch blocking water flow, removed the tree – Aboite Township, Section 32, Graham-McCulloch Branch #1 Ditch, (5/18/09) 26.) Removed trees laying in ditch collecting debris – Wayne Township, Section 28, Fairfield Ditch, (6/3/09) 27.) Repair ditch bank with rip rap – St. Joseph Township, Section 23, Bullerman Branch #7 Ditch, (6/8/09) 28.) Repaired erosion along stream bank – Perry Township, Section 9, Kell Drain, (6/10/09) 29.) Repaired storm tile – Aboite Township, Section 15, Aspen Village Subd., (7/7/09) 30.) Repaired catch basin – Washington Township, Section 30, (11/12/09) 31.) Removed tile blockage – Cedar Creek Township, Section 31, (12/28/09) 32.) Removed dead trees from ditch – Adams Township, Section 11, Dannenfelser Drain, (12/29/09)

Allen County performs maintenance, debrushes, dips, and sprays along the county ditches annually to allow for maximum flow rates within the ditches to prevent undue flooding. To view the linear feet and the number of ditches that were maintained, debrushed, dipped, and sprayed along with the number of tile repairs, blockage removals, and bank stabilization measures performed, see the document entitled "Allen County Surveyor's Office Drain Maintenance By Year."

Also see Allen County Highway Report for further information.

Street Sweeping Program -

See Allen County Highway Report

Salt and Sand Management –

See Allen County Highway Report

Snow Disposal Areas –

See Allen County Highway Report

Spill Prevention and Clean Up –

See Allen County Highway Report

Vehicle Maintenance Areas –

See Allen County Highway Report

Wash Water Management –
See Allen County Highway Report

Fertilizer and Pesticide Management –
See Allen County Highway Report

Canine Park Location – The County does not own or operate any canine parks.

Waste Disposal –
See Allen County Highway Report

Flood Management Projects -

Camp Scott Wetland - Camp Scott is an engineered wetland that was constructed as a storm water detention facility that helps to reduce the risk of basement backups during wet weather conditions in neighborhoods around McMillen Park. This also helps to manage the number of CSOs being sent to the Maumee River. This wetland is maintained by the City of Fort Wayne. The Allen County Partnership for Water Quality provides tours and various educational events at this wetland that is open to the public.

Eagle Marsh – this 676-acre nature reserve was once part of a swamp that was drained in the late 1800s and is being restored from farmland back to natural wetlands. This restoration of wetlands will have a significant impact on flood control and water quality in the county, as well as downstream to the Wabash River.

Ascension Lutheran Church (St. Joe Road) – 2009 – Water from this church's detention pond outfall was not properly routed and was making its way to neighboring properties and causing flooding problems to nearby neighbors. The church submitted a project to expand its building which enabled the Allen County Surveyor's Office to specify a retrofit to the drainage of this site. The detention basin was enlarged and modified, the basin outfall water from this site was rerouted to a neighboring roadside ditch, and additional water quality retrofits were incorporated in this project by adding a long, winding vegetated swale prior to the detention basin.

Private Wetland Restoration Area

In 2010 Allen County resident John Brooks of Brooks Construction worked with Allen County and Earth Source, Inc. to convert an existing agricultural field into a diverse native habitat and wetland complex. This ecological restoration project entailed converting 30 acres of agricultural field to a conservation program with prairie grass and an additional 10 acres of field to wetland. The 10 acre wetland included the excavation of an approximately 3.5 acre pool of water at a maximum depth of 5 feet. This activity will allow for the creation of an open water area within the larger wetland complex for waterfowl habitat. Two habitat islands that encompass 0.5 acres were constructed within the wetland area measuring 1 – 2 feet high. These islands will provide nesting habitat and increase the diversity of plant communities within the wetland complex. This wetland complex is located next to the Little (Wabash) River in southwest Allen County and is partially situated within a designated floodway.

g. Other controls:

None at this time.

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

None additional to report.

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

(See Item # 9 above for the reporting on all Programmatic Indicators.)

- a. Number or percentage of citizens that have an awareness of storm water quality issues
- b. Number and description of meetings, training sessions, and events conducted to involve citizens
- c. Number or percentage of citizens that participate in storm water quality improvement projects
- d. Number and location of storm drains marked or cast
- e. Estimated linear feet or percentage of MS4 conveyances mapped
- f. Number and location of MS4 area outfalls mapped
- g. Number and location of MS4 area outfalls screened for illicit discharges
- h. Number and location of illicit discharges detected
- i. Number and location of illicit discharges eliminated
- j. Number of, and amount of material collected from, HHW collections
- k. Number and location of citizen drop-off centers for automotive fluids
- l. Number or percentage of citizens that participate in HHW collections
- m. Number of construction sites permitted for storm water quality
- n. Number of construction sites inspected
- o. Number and type of enforcement actions taken against construction site operators
- p. Number of public informational requests received related to construction sites

- q. Number, type, and location of structural BMPs installed
- r. Number, type, and location of structural BMPs inspected
- s. Number, type, and location of structural BMPs maintained, or improved
- t. Type and location of nonstructural BMPs utilized
- u. Estimated acreage or square footage of open space preserved and mapped
- v. Estimated acreage or square footage of mapped pervious and impervious surfaces
- w. Number and location of retail gasoline outlets or municipal, state, federal, or institutional refueling areas with installed BMPs
- x. Number and location of entity facilities that have containment for accidental releases
- y. Estimated acreage or square footage and location where pesticides, herbicides and fertilizers are applied by the entity
- z. Estimated linear feet or percentage and location of unvegetated swales and ditches that have an adequately sized vegetated filter strip
- aa. Estimated linear feet or percentage and location of MS4s cleaned or repaired
- bb. Estimated linear feet or percentage and location of roadside shoulders and ditches stabilized
- cc. Number and location of storm water outfall areas remediated from scouring conditions
- dd. Number and location of de-icing salt and sand storage areas covered or otherwise improved to minimize storm water exposure
- ee. Estimated amount, in tons, of salt and sand used for snow and ice control
- ff. Estimated amount of material collected from catch basin, trash rack, or other structural BMP cleaning
- gg. Estimated amount of material collected from street sweeping

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

ii. Other

Part D: Miscellaneous Information

12. On-going Water Quality Characterization Activities

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

IDEM 303(d) Report

The County's SWQMP Part B submittal included an evaluation of the IDEM's 2002 303(d) List of Impaired waters. As a part of this evaluation, it was determined that Cedar Creek (04100003090090 and 04100003090090), Bullerman Ditch and Tributaries (04100005010040), Spy Run Basin (04100004060060), Black Creek (04100003070050), Willow Creek and Tributary (04100003090080), St. Mary's River (04100004060030, 04100004060050, 04100004060060), Bottern Ditch and Tributaries (04100005010090), Maumee River (04100005010010, 04100005010040, 04100005010060), Cedarville Reservoir (04100003070050), and St. Joseph River (04100003070050, 04100003100040, 04100003100010, 04100003100020) were determined to be impacted by stormwater related stressors.

Based on an evaluation of the IDEM's 2008 303(d) List of Impaired Waters it has been determined that all of the stream reaches identified on the 2002 303(d) list except the Bottern Ditch and Tributaries (04100005010090), the Spy Run Basin (04100004060060), and the Bullerman Ditch and Tributaries (04100005010040) remain on the 2008 List of Impaired Waters. Black Creek (04100003070050) is now listed with the HUC of 04100005010110, which is outside the county MS4 area. The Junk Ditch and Tributaries (04100004060050) was previously not listed on the 2002 listing and are now listed for Mercury and PCBs. The St. Joseph Reservoir was previously not listed on the 2002 listing and is now listed for mercury, PCBs, algae, and E.coli. The Cedar Creek (04100003090090) is now also listed for Mercury along with E.coli and PCBs. The Maumee River (04100005010040) and St. Marys River (4100004060050) is now also listed for Nutrients. The Benward/Shoaff Dawson Ditches (05120104010010) were not previously listed on the 2002 listing and are now listed for Impaired Biotic Communities. In addition, Cedarville Reservoir (04100003070050) had been listed for E.coli in 2002 and is now listed for E.coli, PCBs, algae, taste, and odor. The St. Joseph River (04100003100010) was listed for FCA for PCBs and Hg in 2002 and is now also listed for E.coli and algae.

According to IDEM's 2008 Methodology for their 303(d) listing, all Category 5 waterbodies are not attaining state water quality standards.

Indiana's 303(d) List of Impaired Waterbodies will consist of waterbodies listed in Category 5. Category 5 is designated as follows:

Category 5 The water quality standard is not attained. Waterbodies may be listed in both 5A and 5B depending on the parameters causing the impairment.

- A. The waters are impaired or threatened for one or more designated uses by a pollutant(s) and require a TMDL. This category constitutes the Section 303(d) list of waters impaired or threatened by a pollutant(s) for which one or more TMDL(s) are needed. Waters should be listed in this category if it is determined in accordance with the state's assessment and listing methodology that a pollutant has caused, is suspected of causing, or is projected to cause impairment. Where more than one pollutant is associated with the impairment of a single AU, the AU will remain in Category 5 until TMDLs for all pollutants have been completed and approved by U.S. EPA.

- B. The waterbody AU are impaired due to the presence of mercury and/or PCBs in the edible tissue of fish collected from them at levels exceeding Indiana's human health criteria for these contaminants. This category also composes a portion of the Section 303(d) list of impaired waters, but the state believes that a conventional TMDL is not the appropriate approach. The state will continue to work with the general public and U.S. EPA on actual steps needed ultimately to address these impairments.

IDEM 305(b) Report

The following table shows the assessment results of IDEM's 305(b) Basin-wide Water Quality Report for the MS4 subwatersheds located within Allen County.

305(b) Results for the Allen County MS4 Subwatersheds

Watershed Name	14 Digit HUC	Use Support	Cause (stressor) Rating
St. Joseph River-Cedarville Reservoir	04100003070050	N-Fish Consumption N - Contact	M-PCBs M-Mercury M-E.Coli
Willow Creek-Willow Creek Ditch	04100003090080	F-Aquatic Life N – Contact	M–E. Coli
Cedar Creek-Cedar Canyons	04100003090090	F – Aquatic Life P – Fish Consum N – Contact	M – PCBs H – E. Coli
St. Joseph River-Ely Run	04100003100010	F – Aquatic Life N – Fish Consum	M-PCBs M-Mercury
St. Joseph River-Tiernan Ditch	04100003100020	N-Aquatic Life	S-Biotic Community Status

Becketts Run	04100003100030	N – Aquatic Life	M – Biotic Community Status
St. Joseph River-Schoppman Drain	04100003100040	N – Fish Consum N-Contact P-Drinking Water Use	M – PCBs M-Mercury H - E. Coli S-Taste and Odor S-Algae

St. Marys River - Simmerman Drain	04100004060010	N-Contact P-Fish Consum	M - E. Coli S-Mercury M - PCBs
Houk Ditch	04100004060020	N/A	N/A
St. Mary's River-Snyder Ditch	04100004060030	F – Aquatic Life P – Fish Consum N – Contact	M – PCBs M–Mercury H – E. Coli
Fairfield Ditch-Harber/Deptmer Ditches	04100004060040	N/A	N/A
St. Mary's River-Junk Ditch	04100004060050	P – Fish Consum N - Contact	M – PCBs S-Mercury H - E. Coli
St. Mary's River-Spy Run Creek	04100004060060	N – Aquatic Life N - Contact P - Fish Consum	M – Biotic Community Status H - E.Coli M-Mercury M - PCBs
Maumee River-River Haven	04100005010010	F – Aquatic Life N – Fish Consum N – Contact	M – PCBs M–Mercury M – E. Coli
Trier Ditch	04100005010030	N/A	N/A
Maumee River-Bullerman Ditch	04100005010040	F – Aquatic Life N – Fish Consum N – Contact	M – PCBs M – Mercury M – E. Coli
Maumee River Sixmile Creek	04100005010060	F – Aquatic Life	M – PCBs

		N – Fish Consum N – Contact	M – Mercury M - E. Coli
Wilbur Ditch-Bottern Ditch	04100005010090	N/A	N/A
Graham McCulloch Ditch #1	05120101100020	N/A	N/A
Little River-Allen	05120101100030	N/A	N/A
Seager Ditch	05120101100040	N/A	N/A
Aboite Creek-Beal Taylor Ditch	05120101100050	N/A	N/A

Aboite Creek-Big Indian/Little Indian Creeks	05120101100060	F – Aquatic Life N – Contact	S – E. Coli
Eel River- Berward/Shoaff Dawson Ditches	05120104010010	N/A	N/A

Use Support: F=full support,
P=partial support, N=non
support, N/A – not assessed

Cause (stressor) Rating:
H=high, M=moderate,
S=slight, T=need more
information, N/A – not
applicable

Note:

Within the Draft TMDL (page 19) titled “Total Maximum Daily Load for *E. coli* Impairment for the St. Marys River Watershed and Maumee River, Adams and Allen Counties,” it states the following:

“There is one municipal separate storm sewer systems (MS4) community, Allen County, in the Nickelsen Creek sub-watershed. It can be determined that the MS4 community of Allen County is a potential source of *E. coli* to the Nickelsen Creek sub-watershed. However, it is difficult to determine, prior to the completion of the permit requirements, if this MS4 community is a significant source of *E. coli* in the Nickelsen Creek sub-watershed.”

At this time Allen County does not agree with these IDEM findings, since Nickelsen Creek (04100004050050, INA0455_T1001) is NOT located within Allen County’s established MS4 boundaries. The Nickelson Creek sub-watershed is located a fair distance away from the nearest Allen County MS4 boundary and at this time the County does not believe that its MS4 area is contributing pollutants to the Nickelsen Creek sub-watershed.

b)Other:

None

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

None to Report

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

County Council granted funding to the Surveyor's Office for the purchase of GPS equipment, storm drain markers, and the ASIST database software.

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

No ordinance enforcement fines have been collected at this time.

Stormwater Improvement Project

Ascension Lutheran Church (St. Joe Road) – 2009 – Water from this church's detention pond outfall was not properly routed and was making its way to neighboring properties and causing flooding problems to nearby neighbors. The church submitted a project to expand its building which enabled the Allen County Surveyor's Office to specify a retrofit to the drainage of this site. The detention basin was enlarged and modified, the basin outfall water from this site was rerouted to a neighboring roadside ditch, and additional water quality retrofits were incorporated in this project by adding a long, winding vegetated swale prior to the detention basin.

Private Wetland Restoration Area

In 2010 Allen County resident John Brooks of Brooks Construction worked with Allen County and Earth Source, Inc. to convert an existing agricultural field into a diverse native habitat and wetland complex. This ecological restoration project entailed converting 30 acres of agricultural field to a conservation program with prairie grass and an additional 10 acres of field to wetland. The 10 acre wetland included the excavation of an approximately 3.5 acre pool of water at a maximum depth of 5 feet. This activity will allow for the creation of an open water area within the larger wetland complex for waterfowl habitat. Two habitat islands that encompass 0.5 acres were constructed within the wetland area measuring 1 – 2 feet high. These islands will provide nesting habitat and increase the diversity of plant communities within the wetland complex. This wetland complex is located next to the Little (Wabash) River in southwest Allen County and is partially situated within a designated floodway.

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

See Public Involvement and Participation section above and Illicit Discharge Section above.

17. Implementation status:

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

Yes No*

* If no, explain:

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

Yes No*

* If yes, explain:

Inadequate funding and staff resources to carry out all the necessary measures.

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

Yes No*

* If no, explain:

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

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

Type or Print Name: _____, **Allen County Commissioner**

Signature: _____ **Date:** _____
(mm/dd/year)

Email: linda.bloom@co.allen.in.us

Phone: 260-449-7555