

Clermont County Storm Water Management Plan 2008 Annual Report

CHAPTER 1: PUBLIC EDUCATION AND OUTREACH

Section 103.1 East Fork Watershed Management Program Measurable Goals

1. *Hold Lower East Fork Watershed Public Meeting:* Completed in 2003 and 2004. See the respective Annual Reports for details.
2. *Complete draft of Lower East Fork Watershed Action Plan/submit to OEPA and ODNR:* Completed in 2003. The Lower East Fork Watershed Action Plan was submitted to and endorsed by both Ohio EPA and the Ohio Department of Natural Resources (ODNR). The plan can be downloaded at www.oeg.net (from main menu, click on Water Quality, then Watershed Action Plans), or hard copies can be requested by contacting the East Fork Watershed Coordinator at (513) 732-7075.
3. *Hold Middle East Fork Public Meeting:* Completed in 2006 - see Annual Reports for details.
4. *Complete draft of Middle East Fork Watershed Action Plan (WAP)/submit to OEPA and ODNR:* The final draft of the WAP for the Middle East Fork watershed was submitted to the Ohio EPA and ODNR for review on December 10, 2007. In a letter dated January 8, 2008, the two agencies gave conditional endorsement to the plan. A copy of the endorsement letter was provided with the 2007 Annual Report. Draft revisions necessary to obtain full endorsement were completed in 2008, and the revised report is now undergoing internal review. The plan will be re-submitted in Spring 2009.
5. *Complete draft of Stonelick Creek Watershed Action Plan.* In progress. This is the fifth and final Watershed Action Plan to be completed for the East Fork River watershed. A public stakeholders meeting was held on August 8, 2007. The plan was scheduled to be completed by the end of 2007; however, two things have postponed the development of this plan. First, Ohio EPA altered the requirements for an endorsable watershed action plan (specifically requiring more detailed information on pollutant load reductions). As such, the East Fork Watershed Collaborative is waiting to receive unconditional approval of the Middle East Fork Watershed Action Plan – the first developed under the new requirements – before proceeding with the writing of the Stonelick Plan. Secondly, the Collaborative’s Watershed Coordinator resigned in 2008. Though a new coordinator was hired in Month, 2008, work was slowed on the Middle East Fork plan. *Please Note: Action plans for all of the urbanized area in the East Fork watershed have been submitted and have either received full or conditional endorsement from Ohio EPA and Ohio DNR. The Stonelick Creek watershed lies outside of the urbanized area.*
6. *Post current version of Watershed Action Plans at www.oeg.net:* Complete/Ongoing. Final, endorsed Watershed Action Plans for the Lower East Fork, Lake Tributaries, Middle East Fork, and Headwaters watersheds can be downloaded by going to www.oeg.net/WAPs.aspx.
7. *Present final Watershed Action Plans to the Clermont County Board of Commissioners, City/Village Councils, and Township Trustees for adoption:* In progress. As currently endorsed Watershed Action Plans are revised to meet new Ohio EPA requirements, and as new plans are developed, these will be presented to the appropriate local governments for adoption.

8. *Provide implementation progress reports to County Commissioners, City/Village Councils and Township Trustees:* Completed. At the conclusion of each calendar year, the East Fork Watershed Collaborative prepares an annual progress report entitled "East Fork News and Notes" and distributes this to County Commissioners, City and Village Councils, Boards of Township Trustees and other stakeholders. As of December 2008, the report was in development but not yet complete.

Section 103.2 Measurable Goals for Storm Water Educational Programs

1. *Conduct 25 Enviroscope programs for County school children:* Completed. In 2008, the Clermont SWCD Educational Specialist conducted 37 Enviroscope presentations in Clermont County schools, including:
 - 4 presentations to New Richmond Elementary classes (1/17/08)
 - 3 presentations to Clermont Northeastern Middle School (2/19/08)
 - 3 presentations to Clermont Northeastern Middle School (2/21/08)
 - 3 presentations to New Richmond Elementary classes (3/7/08)
 - 3 presentations to Clough Pike Elementary classes (3/12/08)
 - 3 presentation to Mulberry Elementary classes (3/14/08)
 - 6 presentations to Clermont Northeastern kindergarten classes (4/4/08)
 - 6 presentations to Clermont Northeastern Elementary classes (5/15/08)
 - 3 presentations to Williamsburg Elementary classes (9/12/08)
 - 3 presentations to Mulberry Elementary classes (10/20/08)
2. *Conduct three Streamulator public presentations:* Partially Completed. In 2008, the Clermont SWCD Educational Specialist conducted one Streamulator at the Southern Ohio Science Institute (SOSI) Teacher workshop held on July 29, 2008 at Williamsburg High School. Thought this was short of the goal of three Streamulator presentations, the number of special storm water education programs conducted by the Education Specialist was well above the number originally planned (see item #3 below).
3. *Conduct 15 additional storm water education programs to schools:* Completed. In addition to the Enviroscope programs, the Clermont SWCD Educational Specialist conducted 84 other storm water programs in County schools, including the following presentations: Indoor Stream Monitoring (13), Web of Life/Links in the Chain (3), Sum of the Parts (9), Humpty Dumpty (16), Fred the Fish (9), and Soil & Erosion (34).
4. *Conduct three storm water-related presentations to interest groups:* Completed. The Clermont SWCD Education Specialist gave the following presentations to various interest groups:
 - 1 Enviroscope program at the Green Teacher Institute Teacher Workshop on June 25
 - 1 Indoor Stream Monitoring training session for the Warren County education specialist training on July 23
 - 1 Enviroscope program at the Southern Ohio Science Institute (SOSI) Teacher workshop held at Batavia High School on July 30
 - 6 presentations at the Family Farm and Outdoor Weekend day at the Clermont County fairgrounds on September 27.

The Clermont SWCD Administrator gave three rain garden presentations, including a May 29 rain garden workshop attended by 20 people in Williamsburg, a presentation to 20 people at the Clermont County Fairgrounds in Owensville at part of the Great Outdoor Weekend on September 27, and a second rain garden presentation in Williamsburg to 15 people on October 4. Additionally, the SWCD Administrator led a group of local and state officials on a tour of conservation practices in Clermont County on August 5.

A generalized presentation on the programs conducted by the Storm Water Management Department was given by the Program Manager to Batavia High School students on April 17, 2007 (documentation included in Appendix 1).

The Program Manager also gave a presentation about protecting water resources and sat on an environmental panel as part of Miami University's Institute of Environmental Sciences symposium entitled "Environmental Scientists Making a Difference" held on October 11 (documentation included in Appendix 1).

5. *Submit two storm water-related articles to local newspapers:* Completed/ongoing. In 2008, 12 storm water-related articles ran in local papers, including:
- "Clean and Green is April 19" (Community Press newspapers, February 20, 2008)
 - "2008 East Fork River Sweep is April 26" (Community Press newspapers, February 20, 2008)
 - "Pierce Township Establishes Green Space Funds" (*Clermont Sun*, February 29, 2008)
 - "Homeowners May Qualify for Septic Upgrade Assistance" (*Clermont Sun*, February 29, 2008)
 - "Volunteers Needed for East Fork River Sweep" (Community Press newspapers, April 14, 2008)
 - "Why Build a Rain Garden?" press release issued on May 2. This article also appeared on the County's home web site (www.clermontcountyohio.gov).
 - "Clean and Green Held in Clermont County" (*Clermont Sun*, May 5, 2008, *Hometown Enquirer*, June 21, 2008)
 - "Record Litter Haul at Annual River Sweep" (Community Press newspapers, May 9, 2008)
 - "Schmidt Wins Ohio River Sweep Contest" (*Clermont Sun*, May 16, 2008)
 - "Volunteers Needed for Ohio River Clean Sweep" (Community Press newspapers, June 6, 2008)
 - "When It Rains, Clermont Drains" (Community Press newspapers, July 9, 2008)
 - "Garbage Policy Cancels Junk Days" (Community Press newspapers, October 1, 2008)
 - "Clermont Schools to Welcome Rain Gardens" (Community Press newspapers and *Hometown Enquirer*, November 5, 2008/November 22, 2008)

Copies of each article are provided in Appendix 1. These are in addition to the numerous articles that ran for the various municipal/township clean-up days.

6. *Local Zoning Commissions will complete "Community Ordinance Worksheet":* Completed. The Community Ordinance Worksheet, or COW, is a worksheet developed by the Center for Watershed Protection that serves as a tool for local communities to evaluate how friendly their local subdivision and zoning regulations are to low impact development practices. In February 2005, Clermont County contracted with the Center for Watershed Protection to hold a "Better Site Design"

workshop and tour. The workshop was organized around the Center's 22 Better Site Design principles, which are the basis for the COW. On October 11, 2005, the Storm Water Management Department held a meeting of all local zoning officials to review the COW. Zoning officials in turn used the COW to conduct a review of the local zoning regulations. The final three COWs were complete in 2007.

Section 103.3 Measurable Goals for Storm Water Educational Materials

1. *Publish three storm water articles in Clermont Environmental Quarterly:* Completed/ ongoing. A number of articles related to storm water management were published in the spring and winter editions of the *Clermont Environmental Quarterly*. Copies of each are included in Appendix 1.

Two newsletters were published in 2008. The Spring edition included the following storm water-related articles:

- Articles about the annual Clean and Green Neighborhood Clean-up and East Fork River Sweep, held on April 19 and April 26, respectively.
- Information on the Clermont Soil & Water Conservation District's (SWCD) annual plant sale, which for the first time included the sale of rain barrels.
- Homeowner Rain Garden Grants offered by the Clermont Soil & Water Conservation District

The winter edition of the *Clermont Environmental Quarterly* included the following articles:

- An article about a new eco-friendly building along the East Fork Little Miami River
- An article describing the results of the dissolved oxygen study conducted by the Office of Environmental Quality in the East Fork watershed

Note: In Summer 2007, the Office of Environmental Quality switched to an all-electronic newsletter, though hard copies are still sent to those who request them. As of the end of 2008, only three residents still requested hard copies. In 2009, the Office of Environmental Quality will consider switching to an "E-News" format rather than creating a formal newsletter. This would involve e-mailing news items to those that have signed up as they become available, rather than waiting to assemble multiple news stories in a single newsletter a few times a year – similar to the E-News system developed by the Storm Water Management Department in 2008 (see below).

2. *Publish two storm water articles in the local SWCD newsletter:* Completed/ongoing. In 2007, 11 storm water related articles were printed in four editions of the Soil and Water Conservation District's newsletter (newly titled *The Clermont Conservation Quarterly*). Copies are included in Appendix 1.

The early spring newsletter (February 2008) included the following articles:

- Rain barrels offered at this year's conservation plant sale.
- Information on Clermont SWCD's Pond Clinic, held on April 11.
- An article advertising the \$100 rain garden mini-grants for homeowners.
- An article about watering systems for farms that would help exclude livestock from accessing streams.

- An announcement about the April 26 East Fork River Sweep.

The spring/summer newsletter included the following articles:

- A notice that rain barrels were still available for purchase through Clermont SWCD
- A notice about the May 29 rain garden workshop sponsored by SWCD and the Clermont Park District
- A notice about the May 15 Lower Little Miami River TMDL meeting
- An article about controlling pond vegetation and algae.
- An article describing the Conservation Reserve Enhancement Program (CREP) initiative for the Little Miami River watershed. Partners include the Clermont County Commissioners, the Clermont County Water and Sewer District and Clermont SWCD.
- A summary of the successful effort of the East Fork River Sweep in April 2008

The autumn newsletter included the following articles:

- A summary of the August 5 conservation tour for local and state officials.
- An article about the problems that result from the destruction of wetlands, and fines that can be levied for doing so.
- An article introducing the new East Fork Watershed Coordinator.
- A notice for the September 27 “Family Farm and Environment Day” on September 27 (part of the Great Outdoor Weekend,) when rain garden and rain barrel demonstrations would be provided and participants could learn how to monitor a stream.

The winter newsletter included the following articles:

- An article summarizing the District’s 2008 grant and assistance program for the installation of private rain gardens, and a notice that the grants will again be offered in 2009.
- An announcement thanking District cooperators that have installed Best Management Practices in 2008.
- An announcement that the Avey’s Run Stream restoration project conducted by Clermont SWCD received an honor award from the American Council of Engineering Companies.

3. *Publish two storm water articles in the SWCD Urban Development newsletter:* Not completed – change to Storm Water Management Plan (SWMP). Due to staff changes and modified program scope, the Clermont SWCD has discontinued the Urban Development newsletter publication. To account for this, additional efforts were made to include more articles in the SWCD newsletter. Also, the Storm Water Department has made special efforts to target members of the development community (specifically engineers and home builders) with the new Stormwater E-News program (see below).
4. *Compile storm water fact sheet for homeowners:* Completed. See 2005 Phase II Annual Report. Pollution prevention fact sheets for homeowners can be viewed or printed from the Storm Water Management Department’s web site (<http://www.clermontstorm.net/residentialp2.aspx>).
5. *Compile storm water BMP fact sheets:* Completed. Fact sheets for construction and post-construction BMPs have been completed and can be downloaded from the Storm Water

Management Department's web site (<http://www.clermontstorm.net/bmp.aspx>). More information is available in the 2005 Annual Report.

6. *Complete "When It Rains, It Drains" brochure/ distribute 500 copies in 2008:* Completed. In 2008, a total of 925 copies of the brochure were distributed. Additionally, the brochure can be downloaded from the Clermont SWCD web site at <http://www.clermontswcd.org/rains.pdf>, or from the Storm Water Management Department's web site at <http://www.clermontstorm.net/clermontdrains.pdf>.
7. *After the Rain: Urban Runoff video to local cable channels:* Clermont County began airing the "After the Rain: Urban Runoff" video produced by Oregon State University on local access cable TV in 2004 (Clermont County, Miami, Stonelick and Union Township broadcasts). While this is a good video, it has a west coast focus. Since this time, Clermont County obtained a copy of the "After the Storm" video produced by U.S. EPA and the Weather Channel, which is more appropriate for communities in the Midwest. In 2008, the Clermont County Office of Public Information ran the "After the Storm" video twice daily from April 18 through April 24. Union Township ran the program once a week through 2008.

Section 103.4 Storm Drain Labeling Program

1. *Develop storm drain labels for Little Miami and Ohio River basins:* Completed. Storm drain labels are available for the Little Miami, East Fork Little Miami and Ohio River watersheds.
2. *Information about storm drain labels and spill reporting on web sites:* Completed. Visit www.clermontswcd.org/stdrain.htm to view information about the storm drain labeling program.
3. *Issue program press release:* Completed. The press release was issued on December 16, 2003.
4. *Label at least 1250 storm drains:* Completed. As of the end of 2008, 1,698 storm drain labels had been applied, including 496 from 2003-2004, 334 in 2005, 390 in 2006 and 478 in 2007. This does not include the number of pre-cast labels that are now included on catch basins in new developments, per the requirements of the Clermont County Subdivision Regulations. These regulations have been in place since October 2005. At this time, the number of storm inlets with the pre-cast message is unknown. The Storm Water Management Department is beginning to map these through its ongoing Storm Sewer Inventory and Condition Assessment Project (see Chapter 3).

Section 103.5 Measurable Goals for Solid/Household Hazardous Waste Education Program

1. *Print/distribute 2000 copies of Clermont County Recycling & Waste Disposal Guide:* Completed in 2003. Demand for this publication has been great. In 2005, 3,000 more copies were printed and distributed, and in 2006, an additional 1000 copies were printed and distributed. Among other places, the recycling guide is available on-line (see below) and at all Clermont County public libraries. In 2008, the guide was updated, and multiple copies were distributed during the Clermont County Fair. In 2008, the Recycling Guide was updated and the new version posted on OEQ's web site.

In 2007, OEQ created a second brochure describing recycling programs offered in the County ("Use the Bin"). In 2008, OEQ printed and distributed 1000 copies. A copy of the brochure is included in Appendix 1. Another printing of 1000 copies is planned for 2009.

2. *Post recycling/waste disposal guide on web sites*: Completed. The Clean and Green Collaborative (a volunteer group dedicated to beautifying Clermont County and keeping it litter free, has also posted the brochure on its web site (<http://www.clermont2020.org/programs/cg/RecyclingBrochure.pdf>). In addition to the recycling guide, the Office of Environmental Quality also has an interactive web site where people can search for recycling locations for a wide variety of materials (see <http://www.oeq.net/recycle.aspx>).
3. *Review and update guide*: Completed. The most recent version is available on OEQ's web site (see link above).
4. *Monitor Environmental Response Line (513-732-7894)*: Completed/Ongoing. The Clermont County Office of Environmental Quality continues to publicize this number and answer questions on a variety of issues related to storm water management.

Additional Activities Not Contained in Storm Water Management Plan

Clermont County continues to look for new opportunities to raise the public's awareness about storm water issues that face the county, and to encourage the public to take steps to reduce the problems associated with storm water runoff. Additional public education activities included the following:

1. *Storm Water Web Site*: News and notices for upcoming events are routinely posted under the "Hot Topics" section on the front page of www.clermontstorm.net - the Storm Water Department's web site. Items posted in 2008 are listed below. Printouts from the web site are included in Appendix 1.
 - A notice about a January 24 erosion and sediment control seminar hosted by E.J. Prescott, Inc. in Cincinnati.
 - A notice about a February 28-29 workshop entitled "Design of Storm Water Management Systems" hosted by the Water Resources Learning Center in Columbus.
 - A notice about a free soil management workshop in Northern Kentucky hosted by the publishers of *Sustainable Land Development Today*."
 - A notice about training and testing offered in eastern Ohio for those interested in becoming a Certified Professional for Erosion and Sediment Control (CPESC).
 - Information about the Health District's Septic System Rehabilitation Financing Program, where qualifying homeowners can receive up to \$10,000 towards to cost of repairing or replacing an existing system or connecting to central sewers.
 - A notice about Clermont SWCD's annual Pond Management Clinic, held on April 8.
 - A notice about the Clermont SWCD's conservation plant sale, which for the first time included rain barrels and compost bins.
 - A notice about the annual Clean and Green Neighborhood Clean-up, held on April 19.
 - A notice about the 16th annual East Fork River Sweep, held on April 26.
 - A notice publicizing the first annual Ohio Storm Water Conference, held in Highland Hills, OH on May 21-22
 - A notice about a workshop entitled "NPDES Permits for Storm Water Discharges," hosted by Brickler & Eckler in West Chester on May 29.
 - A notice about the 6th Annual Erosion & Sediment Control Field Day, held at the Warren County Career Center on June 3.

- Notices about Project WILD/Aquatic WILD teacher workshops held by Greenacres Foundation on June 20.
 - A notice about the annual Ohio River Sweep, held on June 21.
 - Notices about summer environmental education camps hosted by Greenacres Foundation.
 - Information about the residential rain garden grants offered by Clermont SWCD.
 - Information about a “Rain Gardening 101” workshop held on August 16.
 - A notice about the 16th National Nonpoint Source Monitoring Conference held September 14-18 in Columbus.
 - A notice about the “Greenspace Community Forum” hosted by the Hamilton County Park District on October 15, which included the Center for Watershed Protection presenting information on its “Better Site Design” principles and practices.
 - A notice about the annual Little Miami River Partnership Symposium, held on October 15.
 - Information about the Storm Water Management Overview workshops hosted by LTAP at the four ODOT District offices throughout the state.
 - Information about the “Managing Wet Weather with Green Infrastructure” workshop hosted by the U.S. EPA and Kentucky Division of Water on November 6-7 in Louisville, KY.
 - A request for abstracts for the 2009 Ohio Stormwater Conference to be held in Mason, OH.
 - A notice about the 2009 Ohio River Sweep poster contest hosted by ORSANCO.
 - A notice about a Project WET workshop hosted by the Butler, Hamilton and Warren County SWCDs to be held in February 2009.
 - A notice about the Low Impact Development Seminar to be hosted by Everett J. Prescott, Inc. on January 8, 2009 in Dayton, OH.
2. *Clermont Stormwater E-News:* On December 19, the Storm Water management Department launched “Stormwater E-News,” where anyone interested can sign up to receive up-to-date notices on storm water issues and events, workshops, regulations and other items via email. The launch coincided with a press release sent to local news media. The first posting on Stormwater E-News was a notice of a local Project WET workshop. At the time of this report, 82 people have signed up to receive E-News.
3. *Rain Garden Demonstration Projects:* In the summer of 2008 the Clermont Soil & Water Conservation District partnered with the Clermont County Park District to complete construction on a demonstration rain garden at Pattison Park east of Owensville. This is the County’s 2nd demonstration rain garden – the first was created in 2007 at the Clermont County Fair Grounds (this site also includes a demonstration rain barrel). At each demonstration garden, an educational sign is posted along with a box that contains rain garden brochures for interested members of the public.

During the Clermont County Fair held the last week in July and the Great Outdoor Weekend on September 27, SWCD staff offered public tours of the first demonstration rain garden constructed at the Fair Grounds, along with a rain garden exhibit in the Commercial Building. Interested people were also shown the demonstration rain barrels connected to the Commercial Building.

4. *Clermont County Schools Demonstration Rain Gardens:* In 2008, the Clermont Soil & Water Conservation District received an Ohio Environmental Education Fund (OEEF) grant to install 10 demonstration rain gardens on the grounds of ten different schools in Clermont County. Partners in this project include the Clermont County Stormwater Management Department, Greenacres

Foundation, the Clermont County Educational Service Center, Marvins Organic Gardens, Grant Career center and eight local school districts. In addition, the grant will also involve:

- The development of a 20-page rain garden activity guide that conforms to State Academic Content Standards
- Monitoring test kits and other educational materials for each participating school
- A new rain garden web site where residents can register their rain garden
- A public workshop that will coincide with the construction of one of the rain gardens
- A segment on the local cable access TV show 'Clermont County Today.'
- Multiple press releases to local news media.

In 2008, the project team held multiple planning meetings, met with representatives from each of the participating schools, and identified the sites for most of the rain gardens. The project is scheduled to be completed by the fall of 2009.

5. *Storm Water School Education Programs Advisory Committee:* In preparation for the renewed MS4 permit, Storm Water Department staff organized a meeting of local educators to discuss possible improvements to the educational programs contained in the County's Storm Water Management Plan. The meeting, held on March 3, was attended by representatives from Clermont SWCD, the Clermont County Educational Service Center, Ohio State University Extension Office, Greenacres Foundation and the Milford Exempted School District. Recommendations of this committee will be reflected in the revised Storm Water Management Plan, which will be drafted in 2009.
6. *Regional Storm Water Collaborative:* Clermont County became an active participant in the Southwest Ohio Regional Storm Water Collaborative in 2008. Over the past year, the Collaborative worked with StormCenter Communications, Inc. on a project which would create a regular environmental segment on a local TV newscast. As of the end of 2008, the Collaborative was working to raise funds to bring StormCenter to the Greater Cincinnati area. This included a November 17 regional meeting where numerous potential sponsors were invited, including state and federal congressional representatives. If the necessary funds are not obtained by the spring of 2009, the Collaborative will likely turn its efforts to more traditional advertising and promotions.
7. *Ohio Storm Water Conference Planning Committee:* In 2008, the Storm Water Department's Program Manager participated on the planning committee for the 2009 Ohio Storm Water Conference, to be held May 13-15, 2009 in Mason, OH. His efforts included attending multiple committee meetings and conference call, and participating on the abstract review committee.
8. *Project SIGNS:* Clermont SWCD has partnered with other community agencies, watershed groups and environmental organizations to conduct an on-going public education campaign known as Project SIGNS (Signage Inspires Great Neighborhood Streams). As part of this program, signs are installed at stream crossings that identify the stream and the watershed in which it is located, along with a "Keep It Clean" message. The stream crossing signs will help people identify with the streams in their neighborhood and hopefully encourage them to take steps as individuals to protect these important resources. In 2005, the Clermont SWCD partnered with the County Engineer's Office and the Phase II communities to print and install these signs at 39 stream crossings in the urbanized areas, including:

- Five stream crossings in Batavia Township
- One stream crossing in the Village of Batavia
- Six stream crossings in Goshen Township
- Six stream crossings in Miami Township
- Five stream crossings in the City of Milford
- Five stream crossings in Stonelick Township
- Eight stream crossings in Union Township
- One stream crossing at the Miami/Union Township border (East Fork at Roundbottom Road)
- Two stream crossings in the Village of Williamsburg

Signs installed in 2005 were maintained by local townships, municipalities and the Clermont SWCD in 2008.

9. *Clermont County Today* cable TV program: Two interviews aired on the “Clermont County Today” cable TV show in 2008. The Clermont County Office of Public Information interviewed the Clean and Green Coordinator, and a local winner of the Ohio River Sweep poster contest prior to the June 21 Ohio River Sweep. This program aired multiple times the week prior to the River Sweep. Also, the Office of Public Information interviewed the Clermont SWCD Educational Specialist, where she discussed what storm water runoff is, the pollutants carried by storm water runoff, and how they end up in local streams. The Enviroscope model was used to demonstrate how runoff occurs. She also discussed what steps residents can take to prevent pollutants from entering local streams. This program aired six times from July 10 through July 13. Both shows were also made available online.
10. *Clermont County “On the Move” Citizen Newsletter*: Three storm water-related articles appeared in the County’s citizen newsletter entitled *On the Move*, including:
 - A full-page article in the February 2008 edition describing the roadside litter collection program conducted by the Office of Environmental Quality and the County’s Municipal Court Community Service Department.
 - An article promoting the annual Ohio River Sweep in the June 2008 edition.
 - An article entitled “Why Build a Rain garden” in the June 2008 edition.

Copies of these articles are provided in Appendix 1.

11. *Clermont County Fair*: A total of 100 Rain Garden brochures and 30 “When it Rains, Clermont Drains” brochures were made available at the County’s Office of Public Information booth at the Clermont County fair. Of the rain garden brochures available, 46 were distributed, while only a few people took the “When it Rains, Clermont Drains” brochure.
12. *City of Milford Welcome Packet*: New residents to the City of Milford receive a Welcome packet of information that includes information on the City’s storm water utility, a copy of the “When It Rains, Clermont Drains” brochure, a copy of the City’s most recent newsletter, and information on the City’s solid waste and recycling program, among other items.

CHAPTER 2: PUBLIC INVOLVEMENT

Section 205.1 Press Releases

1. *Issue press releases, in conjunction with local clean-ups:* Completed. Each year, press releases are issued announcing the East Fork River Sweep, the Clean and Green Neighborhood Clean-up and the Ohio River Sweep, as well as Milford's litter pick-up day in the fall ("Make a Difference Day"). The newspaper articles that resulted from the press releases are listed above in Section 103.2, item #5.
2. *Watershed Action Plan public meetings:* Completed. Details of the meetings are provided in previous years' annual reports.

Section 205.2 Newsletters

1. *Publish three storm water articles in Clermont Environmental Quarterly:* Completed. See Section 103.3 above. Copies are provided in Appendix 1.
2. *Publish two storm water articles in local SWCD Newsletter:* Completed. See Section 103.3 above. Copies are provided in Appendix 1.
3. *Publish two storm water articles in SWCD Urban Development Newsletter:* See Section 103.3 above.
4. *Include storm water-related information in at least one issue of municipal/ township newsletter:* Completed. All communities with newsletters included at least one articles related to activities contained in the Storm Water Management Plan. These articles are listed below. Copies of each are included in Appendix 2.

- a. *Village of Amelia:* The spring edition of the Village newsletter included a notice for the April 19 Clean and Green clean-up.

The summer edition included a notice about the Village "junk days" on June 14; an article about the maintenance of the Sedona Ridge storm water pond that is owned by the village, and an article written by Storm Water Management staff entitled "Why Build a Rain Garden."

The winter edition contained information about the leaf pick-up program, a notice that the six catch basins along SR 125 have been fixed, and an announcement that the land owned by the Village around the storm water pond at Sedona Ridge article has been turned into a park for Village residents.

- b. *Miami Township:* The spring edition included an article promoting the annual Clean and Green volunteer clean-up and the township's "Spring Trash Clean-up". The fall edition contained a notice about the upcoming trash days (held Sept 26-27).
- c. *City of Milford:* The January 2008 edition of the City newsletter included:
 - An article written by County Storm Water Management staff informing residents about the problems associated with dumping cooking oil into both the sanitary

and the storm sewer systems, and informing residents that cooking oil can be brought to the County's fleet maintenance garage for proper disposal.

- An article informing residents about the free household hazardous waste disposal program offered by the Adams-Clermont Solid Waste District.
- An educational article entitled "What is Storm Water Runoff" and information about where residents can find out more about the City's storm water utility, the credits program, and how to report storm water problems.

The summer edition contained:

- An update on the East Milford Storm Water Project, which is scheduled for completion in May 2008.
- Information on the Wellhead Protection Plan being developed by the City.
- An update on the Riverside Park CSO Elimination Project, which will be completed by December 1, 2009.
- A notice offering residents the opportunity to become involved in the Stormwater/Wellhead Protection Commission and the Planning Commission.
- A notice asking residents to volunteer for the April 19 Clean and Green clean-up.

The fall edition contained:

- An announcement about the City's leaf and brush pick-up services, including information on what homeowners can do to improve the collection efforts (such as raking yard waste away from storm drains)
- An article calling for volunteers for Milford's Fall Litter Clean-up on October 25.
- Information about rain barrels and rain garden grants offered by the Clermont Soil & Water Conservation District
- A reminder to pick up after pets when walking them.
- Information about the City's wellhead protection plan.
- A notice that the final phase of the City's combined sewer overflow project is underway.
- An article entitled "How to Dispose of Household Hazardous Waste."

d. *Monroe Township*: The Spring 2008 edition included the following articles:

- An article written by County Storm Water Management staff entitled "Why Build a Rain Garden?"
- A notice about the June 12-14 Clean-Up Days

The Fall 2008 newsletter included:

- An article written by County Storm Water Management staff about the benefits of establishing a riparian buffer zone.

e. *Ohio Township*: The summer edition of "Your Community Newsletter" included a notice about the June 21 Ohio River Sweep, and information about the rain garden grants offered by the Clermont Soil and Water Conservation District.

f. *Pierce Township*: In 2008, Pierce Township moved away from printed newsletters toward electronic news updates. Residents and other interested parties can sign up to receive these updates through the Township's web site – www.piercetownship.org. In 2008, most

news related to the Township's green space program. This is described in more detail under Chapter 5 – Post Construction Storm Water Management Activities.

g. Stonelick Township: The Spring/Summer edition included several stormwater related articles:

- An article about the laws associated with junk car removal
- An article asking residents to avoid using toxic weed killers and asking them to contact their local nursery for alternatives
- An article written by County Storm Water Management staff entitled "Why Build a Rain Garden?"
- Results from the May 2-3 Stonelick Township/Owensville Clean-up Days
- A reminder to clean leaves and debris from drainage ditches.

h. Union Township: Union Township was only able to complete one citizen newsletter in 2008. This newsletter included a notice about the Fall Junk Days, scheduled for October 16-18.

5. *Publish quarterly waste disposal and recycling brochure (Milford):* Completed/Discontinued in mid-2008. Milford published two waste disposal and recycling brochures that were distributed during the first two quarters of 2008. These included pay-as-you-throw garbage stickers for residents. In mid-2008, the City updated its solid waste program to allow unlimited waste disposal for residents, and also provided oversized recycling containers to each resident. Garbage sticker amnesty was offered from July 15 through August 1, when the new program officially started. A brochure was sent to residents explaining the program, a copy of which is included in Appendix 2.

Section 205.3 Public Work Groups / Committees.

1. *East Fork Watershed Collaborative County Team meetings:* As reported in previous annual reports, the structure of the East Fork Collaborative was changed in 2004. Rather than forming "County Teams," special topic groups were established that focus on specific watershed management issues. No special topic groups met in 2008.
2. *East Fork Watershed Collaborative Executive Board Meetings:* Not Completed. With the resignation of one East Fork Watershed Coordinator and the subsequent hiring of another, along with an emphasis on completing the remaining watershed action plans, an Executive Board meeting was not held in 2008; however, with the completion of the Middle East Fork plan, arrangements were being made to hold a full meeting of the Collaborative in early 2009.
3. *Storm Water Stakeholder Meeting, with focus on Little Miami / Ohio River basins:* Completed. See information contained in past SWMP annual reports.
4. *City of Milford Storm Water Advisory Committee meeting:* Completed. The City of Milford held two meetings of the Stormwater/Hazardous Mitigation and Wellhead Commission on July 14 and December 15, 2008. The July meeting included a presentation about source water protection for Milford, and an update on the City's storm water and combined sewer overflow projects. The December meeting included an update on the delineation of the wellhead protection area, a summary of the potential pollution source inventory for the wellhead protection program, and an update on the East Milford storm water project. A copy of the minutes for both meetings, along

with the July source water protection presentation and a map depicting the wellhead protection area are included in Appendix 2.

Section 205.4 Storm Drain Labeling

1. *Develop storm drain labels for Little Miami and Ohio River basins:* Completed. See Section 103.4.
2. *Information about storm drain labels and spill reporting on web sites:* Completed. Visit <http://www.clermontswcd.org/stdrain.htm> to view information about the storm drain labeling program.
3. *Issue program press release:* Completed in 2003.
4. *Label at least 1250 storm drains:* Completed. To date, a total of 1,698 have been applied, not counting pre-cast labels. In an effort to increase public involvement and awareness, volunteers have been recruited and used to label the storm drains and place door hangers in numerous instances. See Section 103.4 for details.

Section 205.5 Volunteer Monitoring

1. *Provide assistance to local schools conducting volunteer monitoring programs:* This task is done on an as-needed basis. In 2008, no schools requested assistance with volunteer monitoring programs. In 2009, the Clermont Storm Water Management Department is looking to assist Greenacres Foundation with its "Saturday Stream Snapshot" program.

Section 205.6 Volunteer Clean-Ups

1. *Clean and Green Neighborhood Clean-up:* Completed. The annual Clean and Green Neighborhood Clean-up was held on Saturday, April 29. A total of 661 volunteers (up from 617 in 2007) donated their time and energy to collect over 1,164 bags of litter (up from 985) and 159 bags of recyclable material (up from 61) from several sites throughout Clermont County, along with miscellaneous items that included 40 tires, a hot water heater, freezer, refrigerator, pieces of a boat, the front end of a Pontiac and a mannequin. At one site, Clean & Green also hosted a Computer Reuse/Recycling event in partnership with the Cincinnati Computer Cooperative, where 17 pallets of computer equipment and components were collected, helping to keep such toxins as mercury and lead out of the environment.
2. *East Fork River Sweep:* Completed. The 15th Annual East Fork River Sweep was held on Saturday, April 26, 2008. The "East Fork Stream team" of 175 volunteers walked the banks and canoed about 16 miles of the East Fork and Stonelick Creek, picking up litter and garbage along the way. Volunteers recovered over 567 30-gallon bags of trash (up from 240 bags in 2007), 102 tires, six 55-gallon metal drums, five metal tubs, a patio umbrella, a cattle trough, a shopping cart, two election campaign signs, rollerblades and a skateboard, an old Maytag neon sign, and a motorcycle helmet, among other items. A copy of the press release calling for volunteers and the wrap-up report is included in Appendix 2.
3. *Ohio River Sweep:* Completed. The annual Ohio River Sweep was held on Saturday, June 21. A total of 390 volunteers gathered approximately 1,320 bags of trash (up from 1,176 bags in 2007), 190

tires (up from 98 tires in 2007), one full-size refrigerator and a riding lawn mower from portions of the river in New Richmond, Moscow, Neville and Chilo. Copies of the press releases calling for volunteers and summarizing the results of the Ohio River Sweep are included in Appendix 2.

4. *City of Milford Litter Clean-Up: Completed.* The City of Milford conducted their annual fall clean-up on October 25, 2008. A total of 179 volunteers (up from 91 in 2007) collected 151 bags of trash (up from 83 bags) and 101 bags of recyclable material (up from 62 bags) from East Milford, Riverside I and II Parks, River's Edge, Main Street and Carriage Way Park. The volunteers pulled a couch, two grills, a fire extinguisher, a shovel, a baby stroller, a shopping cart, and a large election sign from the riverbank along with an enormous amount of garbage.
5. *Promote Adopt-a-Waterway program:* Although funding for the popular Adopt-a-Waterway program administered by the ODNR Division of Watercraft has been eliminated, two groups in Clermont County remain committed to keeping parts of the East Fork Little Miami River free from trash. On April 29, volunteers from the Batavia Rotary and the Valley View Foundation cleaned their adopted stretches of the East Fork in conjunction with the annual East Fork River Sweep. Additionally, Stantec Consulting Services adopted and cleaned a stretch of the lower East Fork in 2008.
6. *Complete reports summarizing the success of the above programs, including number of participants, miles of stream cleaned, and the estimated amount of trash collected:* Completed. This information is also included in the event descriptions above.

Section 205.7 Waste Collection Events

1. *Continue antifreeze/motor oil recycling program/track amount collected:* Completed. All residents are able to bring used antifreeze, motor oil or other automotive fluids to the County fleet maintenance garage at no cost. The antifreeze is recycled and used in County vehicles. While the motor oil is used to fuel an oil burning furnace that heats the garage. In 2008, residents dropped off approximately 845.5 gallons of oil, hydraulic and transmission fluids (up from 739.5 gallons in 2007), and 33 gallons of antifreeze (down from 62 gallons).
2. *Continue appliance recycling program:* Completed. County residents can bring appliances to the fleet maintenance garage for a \$20 fee. The appliances are then transported to Adams-Brown Recycling in Georgetown, OH where the refrigerant is removed and the appliances recycled. In 2008, 50 appliances were collected by the county (this number includes appliances collected by the townships and municipalities and brought to the County for transfer to Adams-Brown recycling).
3. *Free HHW Drop-off Program with Environmental Enterprises, Inc.:* Since its initiation in 2003, the free household hazardous waste drop-off program has been successful and cost-effective replacement for the HHW collection days with which Clermont County used to partner with Brown and Hamilton Counties. Under this program, homeowners who wish to dispose of HHW materials first call the District and provide a description of what they have, including type and amount of material. If at all possible, the Adams-Clermont Solid Waste District (ACSWMD) will first refer the caller to a local disposal or recycling center. If the material in question cannot be recycled or properly disposed of locally, the District issues that resident a disposal voucher. The resident is then responsible for bringing the hazardous material to Environmental Enterprises, who then bills

ACSWMD for the cost of disposal. In 2008, the Solid Waste District issued a total of 173 HHW vouchers.

4. *Partner with Hamilton and Brown County to hold two HHW collection days:* This program has been dropped, as Hamilton County has discontinued its HHW collection days, switching to a voucher program similar to the one operated by the Adams-Clermont Solid Waste District (see above).
5. *Review/revise and distribute Clermont County Recycling/Waste Disposal Guide:* Completed. See Section 103.5.
6. *Hold Township/Village Junk Collection days:*
 - a. *Village of Amelia:* Amelia held its annual Junk Day on June 14, 2008. A total of 47.3 tons of waste was collected.
 - b. *Batavia Village and Township:* In 2008, joint village/township "Junk Days" were held from May 2-3 and from October 3-4. During the May event, two 30-cubic yard dumpsters and two rear-load garbage trucks were filled, along with one scrap metal dumpster, 65 tires and 15 Freon units were collected. Two 30-cubic yard dumpsters were filled in October, along with two rear-load garbage trucks and two scrap metal dumpsters. Also, 35 tires and 15 Freon units were collected in October.
 - c. *Goshen Township:* Due to the economic downturn, Goshen Township was forced to cancel its annual Junk Day in 2008. It is also likely that the event will also be canceled in 2009. Goshen Township residents; however, still have curbside trash collection services available to them, and residents can make arrangements with their waste hauler to pick up larger items.
 - d. *Miami Township:* Miami Township held its semi-annual Junk days on May 9-10, and on September 26-27. During the May event, 13 trucks were filled with 101.63 tons of material, plus 19 30-cubic yard dumpsters were filled. Also, three 30-cubic yard containers were filled with appliances that were sent to Adams-Brown Recycling in Georgetown to be recycled. In September, 14 trucks were filled with 92.77 tons of material, plus 12 30-cubic yard dumpsters were filled. Another three 30-cubic yard containers were filled with appliances to be sent to Adams Brown Recycling.
 - e. *City of Milford:* Milford updated their waste collection program to offer unlimited trash disposal to residents year-round. As a result, there is no longer a need for the annual "Junk Days," and this has been discontinued by the City.
 - f. *Monroe Township:* Monroe Township held its annual collection event over three days, from June 12-14, 2008. The Township collected 30 refrigerators, and approximately 700 used tires. Two 50-cubic yard garbage trucks were filled along with six 30-cubic yard dumpsters, and two 56-cubic yard dumpsters were filled with steel and iron scrap to be recycled.
 - g. *Stonelick Twp/Village of Owensville:* The township and village held their annual collection on May 2-3, 2008. A total of 453 residents participated in the event. A total of 11 large crusher trucks and three 30-yd dumpsters were filled with trash. The Township also collected 2,240 tires, 28 Freon-containing appliances, three semi-trailers of scrap metal. and an unknown number of batteries and motor oil.
 - h. *Union Township:* Union Township's held two Junk Days in 2008 in the spring and fall. During the April 21-26 Junk days, 58 refrigerators were collected and 13 garbage trucks were filled. During the October 16-18 Junk Days, 18 refrigerators were collected and nine garbage trucks were filled.

Additional Activities Not Contained in Storm Water Management Plan

Each year, Clermont County looks for new opportunities to involve the public in the implementation of the storm water management program. Additional public participation activities included the following:

1. *Mercury Collection Program:* Since 2005, the Adams-Clermont Solid Waste District has partnered with the Clermont County Health District to offer a mercury collection program. Under this program, Clermont County residents can drop off any items containing mercury (e.g. thermometers, thermostats, etc.) at either OEQ or Health District offices. Personnel from Ohio EPA collect the mercury from the County for proper disposal. In 2008, an estimated 27 pounds of mercury was collected and provided to Ohio EPA.
2. In 2007, the Clermont County General Health District hosted a mercury thermometer exchange program where residents were encouraged to bring mercury thermometers to the Bauer Road campus to be exchanged with free digital thermometers. This program was continued through all of 2008. In addition to mercury thermometers, residents started bringing in other mercury containing items (such as thermostats). The Health District decided to accept these as well as the thermometers. All the mercury collected is placed in a safe container and brought to the Office of Environmental Quality, which in turn provides it to Ohio EPA for proper disposal (see item #1 above)

CHAPTER 3: ILLICIT DISCHARGE DETECTION and ELIMINATION

Section 306.1 Inventory of Home Sewage Treatment Systems.

1. *Create a map of home sewage treatment systems using existing information collected under the Basic System Assessment program, and information on parcels not served by a central sewer system:* Completed. The Clermont County Health District tracks both discharging and non-discharging septic systems through its Basic System Assessment (BSA) database. All discharging systems have been identified. Maps showing locations of both discharging and non-discharging systems have been developed for the various watersheds within the Phase II urbanized area, and were first provided in Appendix 3 of the 2005 Annual Report. The maps are updated as new home sewage treatment systems (HSTSs) – both discharging and non-discharging - are identified.
2. *Add at least 200 HSTSs to the GIS inventory annually, until inventory is completed:* Completed/Ongoing. The Health District conducts onsite HSTS investigations throughout the year. As new HSTSs (both discharging and non-discharging) are identified, they are added to the GIS database. There were 1,119 new systems added to the BSA program during 2008 bringing the total of BSAs conducted to 21,008.

Section 306.2 Storm Sewer System Map

1. *Complete map of all publicly-owned storm water outfalls in Phase II areas:* Completed. To date, the Storm Water Management Department has completed mapping both public and private storm water outfalls in all watersheds that serve the Phase II area, as listed below. All watersheds were mapped in 2005 unless otherwise specified. Copies of the outfall maps for each watershed are included in Appendix 3 of the annual report for the year in which they were mapped.

East Fork Little Miami River Watershed

- Backbone Creek
- Back Run
- Batavia Area Tributaries (2006)
- Dry Run/Sugarcamp Run
- Four Mile Run
- Hall Run
- Happy Hollow
- Lick Fork
- Lower East Fork tributaries
- Lucy Run
- O'Bannon Creek (2006)
- Owensville area tributaries
- Salt Run
- Shayler Run
- Sugarcamp Run
- Ulrey Run
- Wolfpen Run

Little Miami River Tributaries

- Horner Run
- Unnamed Tributaries (2006)

Ohio River Tributaries

- Nine Mile Creek
- Ten Mile Creek (2006)
- Twelve Mile Creek

A GIS geodatabase containing information about the outfall locations, diameter, material and condition is maintained by the County Storm Water Management Department. As new outfalls are constructed along with new development, these are added to the database.

Section 306.3 Illicit Discharge Ordinance

1. *Develop regulations prohibiting illicit discharges to the MS4; incorporate into the County's existing WMSC regulations:* Completed. The illicit discharge regulations are included as Chapter 8 of the County's Water Management and Sediment Control Regulations, which were revised and adopted by the Clermont County Board of Commissioners on June 27, 2007. A copy of the regulations was provided in Appendix 3 of the 2007 Annual Report.
2. *Develop regulations prohibiting illicit discharges to the MS4; incorporate into the City's ordinances (Milford, Amelia, Batavia):* Completed. All Phase II municipalities that participate in the County's joint storm water management program have adopted the County's recently revised WMSC regulations, which contain the illicit discharge regulations. The City of Milford and Village of Amelia will assume the responsibility for enforcing these regulations within the municipal limits, while the Villages of Batavia and Owensville contract with the County to provide enforcement.

Section 306.4 Illicit Discharge Detection

1. *Host meeting of County Scientific Advisory Committee (SAC) to develop stream monitoring and sampling program:* Completed. The annual meeting of the Scientific Advisory Committee was held on January 29, 2008. The purpose of the meeting was to plan the 2008 monitoring and sampling program, which included dry weather surveys to detect illicit discharges in two separate watersheds. A copy of the agenda is included in Appendix 3.

Conduct stream monitoring and sampling program: Completed. The Clermont County Office of Environmental Quality's 2008 sampling program involved two separate components. The first component involved 24-hour (diurnal) monitoring of dissolved oxygen (DO) above and below the effluent outfall of four wastewater treatment plants (WWTP) that discharge into the East Fork of the Little Miami River (Batavia, Middle East Fork, Lower East Fork and Milford). The second component was more directly related to the storm water program – this involved sampling in a tributary of the Pepper Ridge subdivision, which has a high concentration of discharging home sewage treatment systems.

Under the Pepper Ridge sampling program, samples were collected under both dry and wet weather conditions from the mouth of an unnamed tributary from the subdivision to Hall Run (PRTRIB) and sites on Hall Run upstream and downstream of the tributary's confluence. Samples were analyzed for nitrite-nitrate (NO₃-NO₂), dissolved ortho-phosphates (ortho-P), total phosphorus (TP), five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), and *E. coli*.

During dry weather conditions, NO₃-NO₂ concentrations were less than Ohio EPA's recommended level of 1.0 mg/L at all sites; however, they were elevated (> 1.0 mg/L) on PRTRIB and in Hall Run below the tributary, while remaining below 1.0 mg/L in Hall Run above the tributary. Total phosphorus results were similar. Concentrations were less than

Ohio EPA's recommended value of 0.1 mg/L in Hall Run during dry weather, and just slightly above in PRTRIB. During wet weather, TP concentrations increased at all sites, most notably in PRTRIB. E. coli concentrations rose considerably during wet weather. Peak concentrations at all sites were reported as >8,000 cfu/100 mL, so it was not possible to determine the degree of impact PRTRIB loadings had on Hall Run.

Toward the end of the sampling season, an additional dry weather survey was conducted that involved sampling from the three locations mentioned above, as well as three additional sites on PRTRIB. The most notable results from this survey included elevated TP and E. coli concentrations in the more upstream sites (closer to the subdivision), but acceptable levels near the mouth and in Hall Run. Nitrate-nitrite concentrations were below 1.0 mg/L at all sites, and do not appear to be a concern during dry weather.

A copy of the full report summarizing the findings of the 2008 chemistry sampling program, including results from the Pepper Ridge sampling program, is provided in Appendix 3. Also, the report may be downloaded at www.oeg.net/2008_WQ_Report.pdf.

2. *Develop illicit discharge detection training form*: Completed. See 2005 Annual Phase II Report.

Section 306.5 Illicit Discharge Fact Sheet

1. *Compile and distribute fact sheet for home-owners on hazards associated with illicit discharges*: Completed. The fact sheet developed by the Storm Water Department is available on the Department's web site at www.clermontstorm.net/idhouseholdguide.pdf.

Section 306.6 HSTS Operation and Maintenance

1. *Conduct HSTS installer training sessions*: Completed. The Health District conducted two installer training sessions on February 21 and 28, 2008. A total of 43 people attended the workshop. The workshops included discussions on the installer requirements, Sewage Nuisance and Abatement Remediation Plan issues, private designer issues, site and soil evaluations, as-built plan requirements, design-build ability and more.
2. *Inspect at least 3500 HSTSs annually*: Completed. In 2008, the Health District completed 8,930 Basic System Assessments.
3. *Mail HSTS care and maintenance fliers to homeowners after HSTS inspections*: Completed. After conducting HSTS inspections, the Health District mails "Care and Maintenance" fliers with each initial assessment report. Copies of these fliers are provided in Appendix 3 of the 2006 Annual Phase II Report.

Additional Activities Not Contained in Storm Water Management Plan

1. *Storm Water Outfall Screening/Illicit Discharge Response*: In 2005, Storm Water Management Department staff started screening outfalls for potential signs of illicit discharges as they were mapping outfall locations. Additionally, Storm Water Department staff responds to any reports of potential illicit discharges. If anything suspicious is noted,

an Illicit Discharge Detection Form is completed, and follow-up work is conducted to determine if an illicit discharge had occurred, and if so, where it originated. A copy of each illicit discharge detection form filled out in 2008 is included in Appendix 3. A summary of each is provided below:

January 10, 2008 – As the Storm Water Department field crew was mapping the storm sewer system, they noted fuel oil in a creek. This was traced to a property at 3964 Pharo Road in Union Township, which had a leaking oil tank that had just been filled. Ohio EPA and the Union Township Fire Department were notified. Clean-up was conducted and repairs to the tank were made.

January 29, 2008 – In 2007, during the course of the storm sewer inventory, the Storm Water Management Department noted sewage in Hall Run. This problem was traced to a broken building sewer on Elmont Drive in Union Township. On January 29, 2008, the Clermont County Sewer District sent a letter to the resident informing her of her responsibility to fix the lateral or face disconnection of her water. The Sewer District is working with the resident to complete the necessary work.

April 16, 2008 – The Storm Water Department received a call from a resident at 925 Blackburn Drive in Miami Township about potential problems with home sewage treatment systems in the neighborhood. During a site visit, the stream running through this property was clear and there was no detectable odor. A sample was collected and analyzed for *E. coli*. The results came back low (15 cfu/100 mL), indicating there was not a problem. The Storm Water Department will continue to watch this site.

May 2, 2008 – The Storm Water Department received a call from a resident complaining about paint being illegally dumped in either the storm sewers or nearby streams in the Polo Fields Subdivision, Union Township. No indication was found that any illegal dumping of paint had occurred; however, the Storm Water Department still sent a letter to nine homes on Tournament Drive, informing them of the rules and penalties pertaining to illegal dumping, as well as information on how they can properly dispose of paint.

May 2, 2008 – The Storm Water Department received a call from a resident complaining about lumber and other construction debris paint illegally dumped in the vicinity of Signal Hill Drive and Milford Hills Drive in Miami Township. The responsible party could not be identified, so the Storm Water Department sent a letter to six homes on Signal Hill Drive and six homes on Milford Hills Drive, informing them of the rules and penalties pertaining to illegal dumping, as well as information on how they can properly dispose of such materials.

June 10, 2008 – The Storm Water Department received a call from a resident complaining about furniture and other solid waste illegally dumped in a creek behind the homes on Kitty Lane in Union Township. The Storm Water Department sent a letter to all 14 homes on Kitty Lane that bordered the creek, informing them of the rules and penalties pertaining to illegal dumping, as well as information on how they can properly dispose of such materials. The Storm Water Department also worked with the Clean and Green Collaborative on the possibility of adding this site to the Collaborative's annual volunteer clean-up event.

August 13, 2008 – The Storm Water Department received a call from a property owner concerned about a failing home sewage treatment system at 4795 Jackson Drive in Union Township. The Health District followed up on this, confirmed that there had been a grey water discharge and also confirmed that it has been eliminated.

September 22, 2008 – Along with Ohio EPA and the Union Township Fire Department, the Storm Water Department investigated a diesel fuel spill resulting from a tanker truck accident at the intersection of State Route 32 and Old State Route 74 near Shayler Road. One day after the accident, much of the spill had been cleaned, though there was still some in the sediments of the roadway median, absorbent pads and socks had been put in place, and Storm Water Department staff did not detect any odor or visible sign of the diesel fuel in the catch basins immediately downstream of the accident or in Shayler Creek, to which the storm sewer system empties.

September 23, 2008 – During the process of mapping the private storm sewers serving North Park Townhomes in Union Township, the Storm Water Department field crew noticed what appeared to be pet waste in a manhole and section of pipe. On September 23, the Department's program manager met with the Townhomes' manager to discuss the situation. Later the Department provided the Townhomes' manager with copies of an educational letter informing residents about the problems associated with dumping pet waste and how to properly dispose of it. The property manager distributed copies of the letter to each of the 122 units in the Townhomes complex. A copy of the letter is included in Appendix 3.

September 24, 2008 – As the inventory crew was mapping storm sewers in the Hall Run watershed, they noticed a contractor had dumped drywall dust into a catch basin. The crew spoke with the contractor who reprimanded his crew, and the dust was cleaned to the greatest extent possible.

October 21, 2008 – The Storm Water Department program manager received an anonymous call about a resident illegally dumping oil on McLean Drive in Union Township. Immediately after receiving the call, the program manager made a site visit and a thorough investigation did not show any sign at all that oil had been dumped anywhere in the vicinity. No further calls have been received.

2. *Storm Sewer System Inventory:* In 2008, the Storm Water Management Department completed an inventory and condition assessment of both the private and public storm sewer systems in two watersheds – Hall Run and Salt Run, both of which are tributary to the lower East Fork Little Miami River. A completely interconnected geodatabase of the storm water conveyance system, including ditch lines, was constructed in GIS for both watersheds. To date, inventories have been completed for the Hall, Salt and Shayler Run watersheds, as well as select portions of other watersheds throughout the county. Total numbers of both public and private structures mapped include:

- Storm Sewer – 847,507 linear feet.
- Culverts – 38,830 linear feet
- Outfalls – 3,625
- Inlets – 1,034
- Catch Basins – 6,848
- Manholes – 1,999

In 2009, the inventory efforts will focus on the remaining areas of the lower East Fork watershed, including Happy Hollow, Dry Run, Sugarcamp Run, Wolfpen Run and direct drainage into the main stem of the East Fork.

3. *Illicit Discharge Screening*: As part of the Salt Run storm sewer inventory project, 431 outfalls were screened for illicit discharges. Illicit discharges that were noted are discussed in Item #1 above.
4. *Chemical Spill/HazMat Response*: Throughout the year, there are invariably a number of spills to which local emergency units respond. A summary of these incidents, including the response taken, is provided in Appendix 3.
5. The Clermont County Storm Water Management Department maintains information about different aspects of its illicit discharge program on its web site, including the storm sewer mapping effort, the illicit discharge regulations, illicit discharge screening and sampling, home sewage treatment systems, education programs and information on how County residents can help identify illicit discharges (see www.clermontstorm.net/illicit.aspx).

CHAPTER 4: CONSTRUCTION SITE RUNOFF CONTROL

Section 407.1 Revision/Adoption of WMSC Regulations.

1. *Complete revision of Clermont County Water Management and Sediment Control (WMSC) regulations:* Completed. See the 2007 SWMP Annual Report for details. The complete WMSC regulations can be downloaded at <http://building.clermontcountyohio.gov/WMSCRegulations.aspx>.
2. *Municipal adoption of Clermont County WMSC regulations:* Completed. All Phase II municipalities, including the City of Milford and the Villages of Amelia, Batavia and Owensville have adopted the County's WMSC regulations (See Appendix 4 of the 2007 SWMP Annual Report for copies of the signed ordinances).

Section 407.2 Inspection/Enforcement of WMSC Regulations

1. *Contracts between County and municipalities for County enforcement of WMSC regulations:* Completed. The Villages of Batavia and Owensville were the last municipalities to enter into agreements with Clermont County for enforcement of the WMSC Regulations. The agreements for enforcement services with Batavia and Owensville were executed by the Board of County Commissioners on April 2 and July 1, 2008, respectively. Copies of the Village ordinances and agreements are included in Appendix 4.
2. *Inspect 100 percent of construction sites for compliance with WMSC regulations:* Completed. Inspections of active construction sites are conducted by the County Building Inspection Department in conjunction with other inspection activities. In 2008, the Building Inspection Department had 1,206 construction sites requiring WMSC inspections, and conducted a total of 3,203 inspections.
3. *Assign customer complaints to Building Dept. inspector; monitor and track complaint resolution; achieve 50 percent resolution of valid complaints:* Completed. Anyone can submit a written complaint about sediment runoff or erosion problems at active construction sites to the Building Inspection Department. Complaint forms can be obtained by calling the Building Inspection Department or downloading them from the department's web page at <http://building.clermontcountyohio.gov/complaintform.pdf>. The Department is able to address most complaints within 48 hours. During 2008, the Building Inspection Department addressed 88 complaints and resolved 77 of the valid complaints (88 percent).
4. *Track the number of stop work orders and conditional occupancy certificates as indicator of program success:* Completed. In 2008, the Building Inspection Department issued one stop work order and 53 conditional occupancy certificates for WMSC violations.

Additional Activities Not Contained in Storm Water Management Plan

Review of New Development Plans/Erosion and Sediment Control Plans – This is an activity that has been conducted each year since the first WMSC regulations were developed in 1990; however, this was not listed as a measurable goal in the 2003 Storm Water Management Plan, and numbers of plan reviews have not been reported in previous years'

annual reports. In 2008, members of the plan review team, which includes representatives from the Building Inspection Department, the Planning Department, the Storm Water Management Department, the Engineer's Office and the Soil & Water Conservation District performed 776 WMSC plan reviews.

Southwest Ohio Erosion and Sediment Control Field Day – The Clermont County Storm Water Department's Program Manager joined the planning committee for the 2008 Erosion and Sediment Control Field Day in Lebanon. In addition to attending three planning committee meetings, the Program Manager assisted with the promotion (including sending out postcards and sending e-mail notices to members of the Clermont County Homebuilders Association) and set-up/break down of the event. Copies of the agenda and postcard are included in Appendix 4. In addition to the Program Manager, the Clermont County Building Department's Engineer that oversees implementation of the County's Water Management and Sediment Control regulations also attended the event.

CHAPTER 5: POST-CONSTRUCTION STORM WATER MANAGEMENT

Section 505.1 WMSC Regulations

1. *Complete revision of Clermont County Water Management and Sediment Control (WMSC) regulations:* Completed. The County WMSC regulations include post-construction as well as construction regulations for storm water controls. The WMSC Regulations were adopted by the Clermont County Board of Commissioners on June 27, 2007. See Section 407.1 for details.
2. *Municipal adoption of Clermont County WMSC regulations:* Completed. All Phase II municipalities, including the City of Milford and the Villages of Amelia, Batavia and Owensville have adopted the County's WMSC regulations.

Section 505.2 Storm Water Post-Construction BMP Manual

1. *Complete BMP Manual:* Completed in 2005. A post-construction BMP manual was developed as a joint project between Sanitation District No. 1 of Northern Kentucky and Clermont County. The manual focuses on post-construction BMPs, including wet ponds, dry ponds, grass swales, infiltration ditches, rain gardens and others. Within the manual there is a fact sheet for each BMP that summarizes its effectiveness in removing different pollutants, construction and maintenance requirements, estimated range of costs to implement, and links to additional information. These are meant to provide general information about each BMP and to encourage developers and builders to consider some alternative storm water management practices in new developments or sites that are re-developed. Those interested in more detailed engineering drawings and specifications for different BMPs will be referred to ODNR's Rainwater and Land Development Manual. Copies of the fact sheets were included in Appendix 5 of the 2005 Annual Phase II Report, and are also available on the Storm Water Department's web site at <http://www.clermontstorm.net/postconstructbmp.aspx>.

Section 505.3 Guidance and Options for Open Space Preservation

1. *Complete revisions to "Guidance and Options for Open Space Preservation" document:* Completed. The Planning Department and the Open Space Committee completed this document in June 2005. The final report is titled "Tools for Open Space Protection: Guidance and Options for Local Governments." The cover page and table of contents is included in Appendix 5. The entire 84-page document can be downloaded by visiting the Clermont Planning Department's web site (<http://www.clermontcountyohio.gov/planning/>).
2. *Hold regular meetings of Clermont Open Space Committee:* Discontinued. The Open Space Committee was formed to develop the "Guidance and Options for Open Space Preservation" document. This committee dissolved following the completion of this document (see above).

Section 505.4 Subdivision Regulations

1. *Complete report and recommendations for changes to Clermont Subdivision Regulations / present to Planning Commission:* Completed. Formal changes to the regulations were adopted by the Board of County Commissioners in October 2005. See the 2005 Annual report for details.

The Clermont County Subdivision regulations can be downloaded in their entirety from the Clermont County Planning Department's web site (<http://planning.clermontcountyohio.gov>), and clicking on "Subdivision Review" under the Navigation menu.

2. *Review and, if necessary, revise City/village subdivision regulations:* Completed. See previous annual reports. No changes were made to local subdivision/zoning regulations in 2008. In the 2007 Annual Report, it was noted that Amelia was working on a revision to its zoning regulations; however, this has been placed on hold, as there is currently a referendum on the May 2009 ballot to dissolve the village.

Section 505.5 Low Impact Development

1. *Host Low Impact Development Workshop:* Completed. See the 2005 Annual Report for more details.
2. *Develop Low Impact Development educational materials:* Completed. See the 2005 Annual report for more details.

Additional Activities Not Contained in Storm Water Management Plan

1. *Pierce Township Green Space Program:* In March 2007, the Pierce Township Trustees officially created its Green Space Committee and program. The mission of the Green Space Program is to preserve land – via acquisition, conservation easement, conservation development, covenants or other methods – that has ecological or historical significance, natural corridor potential, aesthetic or scenic value, or inherent traits that contribute to the positive character of the Township. The Green Space Committee meets on the first Wednesday of each month.

The Township's web site now includes a link to the Green Space Program - www.piercetownship.org/main/node/54. Among the items included on the web site are:

- the program mission and a copy of the resolution creating the Green Space Committee
- contact information
- information about the benefits of green space
- conservation options for private land owners, including gifts of land, conservation easements, deed restrictions, mutual covenants, and outright/bargain sales
- how township residents can help through gifts of land and conservation easements, financial donations or volunteering

2. *Milford Storm Water Utility Credits for BMPs:* Currently, 26 non-residential properties hold credits for various storm water best management practices. Details on each are maintained by the City of Milford. Annual reports are required each year. On August 29, 2008 the City sent annual maintenance agreements to each of the 26 non-residential customers. These were reviewed and approved on October 31.
3. *Milford Critchell Park Erosion Control Project:* The City of Milford completed its Critchell Park Erosion Stabilization Project in 2008. This project stabilized 650 of stream bank using bioengineering techniques, which help to eliminate 1,500 to 2,000 cubic yards of sediment per year entering the Little Miami River. A 120-foot permanent vegetated buffer was dedicated to the City of Milford. This permanent buffer area became part of the City's park/greenspace and connects to the upstream Riverside Park area where a similar project was completed in 2003.
4. *Rain Garden Program:* In 2008, the Clermont SWCD provided technical assistance and \$100 mini-grants to six landowners to help them install rain gardens, all within the Phase II area. Two rain gardens were installed in Stonelick Township, and one each in Batavia Village and Batavia, Miami and Union Townships. These grants will be offered again in 2009.

The Clermont Soil & Water Conservation District partnered with the Park District to construct a second demonstration rain garden at Pattison Park, on U.S. Route 50 west of Owensville. Signage and a place for informational brochures were also put in place. Additionally, Clermont SWCD received a \$50,000 OEEF grant from Ohio EPA to install 10 demonstration rain gardens at schools throughout Clermont County. This is discussed in more detail under Chapter 1 of this report.

5. *Training:* The Storm Water Department's program manager attended two stream restoration classes taught by Dr. Greg Jennings and other staff from North Carolina State University, including the River Course 101 – Stream Morphology Assessment on May 19-21, 2008, and River Course 201 – Natural Channel Design Principles on October 14-16, 2008.
6. *Additional Open Space Conservation Efforts; EQUIP program:* Under the Environmental Quality Incentive Program (EQUIP), nine conservation efforts were implemented by property owner cooperators in Phase II communities. The cooperators and practices were:
 - Kimberly Becker, Goshen Township - installation of livestock fencing to prohibit entry and erosion damage along stream bank, development of a prescribed grazing plan
 - Timothy Callahan, Goshen Township - development of a prescribed grazing plan
 - Cincinnati Nature Center, Union and Goshen Townships – development of nutrient management, pesticide management and brush management plans
 - Charles Forman, Goshen Township, spring development for livestock watering (to eliminate the need for livestock entering a nearby stream), diversion of runoff , and pasture planting
 - William Huneck, Batavia Township – installation of a pipeline to bring water to livestock, eliminating the need for livestock to enter streams

- Karen Johnson, Stonelick Township - installation of livestock fencing to prohibit entry and erosion damage along stream bank, development of nutrient management and prescribed grazing plans
- Elaine Miller, Batavia Township - development of a prescribed grazing plan
- Kirk Schulz, Milford/Miami Township - installation of four livestock fences to prohibit entry and erosion damage along stream bank, installation of two pipelines to bring water to livestock, eliminating the need for livestock to enter streams, installation of two pump/watering facilities for livestock, and development of a prescribed grazing plan.
- Ed Worsham, Goshen Township – installation of a heavy use pad for livestock to lessen erosion, construction of a waste storage facility and access road into heavily-trodden fields to lessen erosion.

More information can be found about these EQUIP efforts, as well a program outline at the SWCD website: www.clermontswcd.org. An article can also be found in the December 2008 winter edition of the SWCD newsletter (Appendix 1).

7. *Village of Amelia – Sedona Ridge*: The Village of Amelia assumed ownership and maintenance responsibilities for the storm water retention pond serving the Sedona Ridge subdivision. The Village also created a public park for its residents in the area surrounding the pond.

CHAPTER 6: POLLUTION PREVENTION /GOOD HOUSEKEEPING

Section 604 Measurable Goals

1. *Evaluate existing pollution prevention programs/provide detailed summary:* Completed. In 2003-04, a public service project team from Miami University's Institute of Environmental Sciences (IES) graduate program completed an evaluation of the pollution prevention programs in place at each of the Phase II townships and municipalities. The final report, which included the team's assessment and recommendations for each Phase II partner, was provided with the 2004 Annual Report.
2. *Develop recommendations for pollution prevention program improvements with time line for implementation:* Completed. The IES public service project team developed overall and individual recommendations for each of the Phase II communities (see above).
3. *Develop pollution prevention/good housekeeping training programs for employees:* Completed. The Clermont County Storm Water Management Department worked with Excal Visual, Inc. to review a draft municipal pollution prevention training video and employee quiz. Excal Visual provided a free copy of the final video and training kit to the County in late 2004. In 2005, the Storm Water Department worked with the Phase II partners to develop a schedule where the video and training materials would be loaned to each partner. All Phase II municipal operations employees have viewed the video as of December 2007. Training records are not included with this report, but are maintained at the Clermont County Storm Water Management Department.
4. *Host pollution prevention workshop:* Completed. See the 2006 Annual Report for details on the Pollution Prevention Workshop hosted by the Clermont County Storm Water Management Department.
5. *Identify commercial/industrial target areas; provide training and education materials:* Completed in 2005. The Storm Water Management Department developed an industrial pollution prevention brochure and directly mailed a small supply of the brochures to all industrial businesses in the Phase II urbanized area. A copy of the brochure and the cover letter that accompanied it is included in Appendix 6 of the 2005 Annual Report. The brochure can also be downloaded at www.clermontstorm.net/industrialp2brochure.pdf.
6. *Institute record-keeping for road salt/sand application:* Completed for all Phase II co-permittees (note that the Village of Owensville contracts with Stonelick Township for roadway deicing).
7. *Compile baseline information on amount of salt applied:* Completed. The following summarizes the amount of salt applied during the 2008-2009 winter season. For data from past years, see previous annual reports.
 - a. *Clermont County Engineer's Office:* The Engineer's Office is responsible for snow and ice removal from 398 miles of county roads. For the 2008-09 winter season, 5,004 tons of salt were applied during 13 major events. The Engineer's Office attempted to minimize the use of road salt this season by concentrating on hills,

- curves and intersections. While this approach helped reduce salt usage, it did result in significantly more complaints from citizens.
- b. *Village of Amelia*: The Village has 14 miles of road to treat during each snow/ice storm. During the 2008-09 season, there were 12 application events in which 237 tons of salt were applied (average of 19.75 tons/event).
 - c. *Village of Batavia*: During the 2008-09 season, the Village applied 204.05 tons of salt (408,100 lbs.) that covered a total distance of 1116.24 miles, for an average of 365.6 lbs. of salt per mile.
 - d. *Batavia Township*: The Township has 58.29 lane miles to treat during each snow/ice storm. During the 2008-09 season, there were 18 application events in which 884.5 tons of salt were applied (average of 49.1 tons/event).
 - e. *Goshen Township*: During 2007-2008 season, there were 12 application events in which 420 tons of salt were applied to the township's 39.4 miles of roads (average of 35 tons/event). In an effort to minimize the amount of salt used, the Township focused on treating a small swath in each lane rather than the entire road. The approach seemed to be effective, and will likely be continued next winter season.
 - f. *Miami Township*: Miami Township is responsible for treating 147.58 miles of roads each winter season. The Township utilizes the latest technology on all of its snow fighting equipment and practices "Sensible Salting" to effectively reduce the amount of salt used. The Salt Institute developed its award-winning Sensible Salting Program in 1972 as a tangible way to encourage its customers to adopt state-of-the-art operating practices which would minimize any adverse environmental impacts of their use of road salt. The program has always relied heavily on operator and manager training with the objective that winter maintenance crews would apply only the minimum amount of salt necessary to reach locally-determined "levels of service." Applying the right amount in the right place at the right time is the motto of the program. The Township's technology includes ground speed sensing equipment and computer controls to regulate the amount of salt distributed according to the speed of the vehicle. The computer also monitors the amount of salt dispensed and provides detailed reports of each event. Additionally Miami Township recently purchased two new custom built vehicles that drastically decrease the amount of solid rock salt applied and drastically increase the amount of liquid material applied. Not only will this save the tax payers money by reducing the amount of solid rock used it will also reduce the environmental impact of removing snow and ice from township roads. During the 2008-09 season, there were 19 application events in which the Township applied 3,741 tons of road salt and 14,115 gallons of brine.
 - g. *City of Milford*: During 2008-09 season, the City applied a total of 774.78 tons of salt (down from 2,075 tons in 2007-08) during 24 application events (average of 32.3 tons per event) to 32 miles of road.
 - h. *Monroe Township*: During the 2008-09 season, the township applied a total of 225 tons of salt to its 26.1 miles of roads. There were 15 application events, resulting in an average of 15 tons applied per event (down from 25.6 tons per event in 2007-08). The Township was able to reduce the amount of salt used by using limestone grit along with salt (75 tons used), and by only applying salt on hills and curves.

- i. *Ohio Township*: Ohio Township is responsible for snow and ice removal from 7.5 miles of township roads. During the 2008-09 winter season, there were 20 application events in which an estimated 75 tons of salt were applied (average 7.3). Because the Township has less than eight miles to treat and only one person responsible for snow and ice removal, that person is able to visit each road more frequently, and therefore use less salt during the initial treatment and only spot treat where needed during subsequent visits. This strategy helps to minimize the amount of salt used during winter storms. In 2008, to further minimize the amount of salt used, roads were spot treated only, relying on traffic to spread the salt. Touch-up applications were performed as needed, and the person in charge of snow removal bladed more often, even during small storms.
 - j. *Village of Owensville*: Owensville contracts with Stonelick Township for roadway deicing (see below).
 - k. *Pierce Township*: The Township has 56 miles of road (112 lane miles) to treat during each snow/ice storm. During the 2008-09, the Township used an estimated 700 tons of road salt during 22 application events (average 31.8 tons/event). This season, the Township also used 18 tons of sand/grit to help minimize salt usage.
 - l. *Stonelick Township*: During each storm, the Township treats 26.75 miles in Owensville and Stonelick Township. During the 2008-09 season, the Township applied an estimated 317.5 tons of salt during 23 events (average 13.8 tons/event).
 - m. *Union Township*: Union Township is responsible for snow and ice removal from 123.45 miles of township roads. During the 2008-09 season, the Township applied 1,260 tons of salt during 14 events (average 90 tons/event). To better monitor and minimize salt usage, Union Township purchased its first salt truck that monitors salt usage through ground speed sensing and digital controls.
8. *Salt reduction program - complete evaluation of existing programs, recommend improvements*: Continual reviews are conducted by each entity. In part due to the high price of road salt in 2008, many local governments responsible for snow and ice removal implemented various practices to help minimize the amount of salt usage. These are described above. Where these changes were found to be effective, they will continue to be implemented.

Other Pollution Prevention / Good Housekeeping Activities

1. *Development of Storm Water Pollution Prevention Plans (SWP3s)*: In 2007, the Clermont Storm Water Management Department began helping each of its co-permittees develop Storm Water Pollution Prevention Plans for their respective activities. This process involved Storm Water Department staff conducting site visits with each of the co-permittees and recording and documenting their existing programs. Based on these site visits, the Storm Water Department, with additional input from each of its partners, created draft SWP3s for each entity (see Appendix 6 of the 2007 Annual Report). These are included in Appendix 6. It is important to note that the reports in the appendix are *draft versions only*. These will be revised based on the requirements contained in the January 2009 MS4 permit renewal.

2. *Miscellaneous Pollution Prevention Activities:*

- In 2008, the Village of Amelia continued its street sweeping and catch basin cleaning program. Street sweeping was conducted by the Village on June 21 and July 25 with an estimated total of six tons of waste collected. Catch basin cleaning also resulted in an estimated six tons of debris collected.
- Batavia Village conducted street sweeping on six different days throughout the year. A total of 20.9 road miles were covered. The Village greatly enhanced its catch basins cleaning program in 2008. A numbering system was put in place which greatly improved the Village's record keeping ability. Throughout 2008, Batavia cleaned 168 catch basins, up from the 14 basins cleaned during 2007. A total of 174 additional basins were inspected but not in need of cleaning.
- Goshen Township reported 120 gallons of motor oil collected and recycled from township vehicles and the general public.
- The City of Milford purchased a new VacAll truck in 2007 to increase the efficiency and frequency of street sweeping program. Milford conducts street sweeping of all 56.4 lane miles of city streets annually, plus an additional 20 miles before/after special events during the year. Each city-wide street sweeping effort collects enough material to fill about 25% of a 10 cubic yard VacAll truck. Additionally, the city cleaned 549 catch basins and 68 drywells with the VacAll truck in 2008.
- Miami Township accepts used motor oil from township residents throughout the year. It is estimated that the Township collected 24 gallons from residents in 2008. Also, the township cleaned 73 catch basins and 93 culverts in 2008.
- Ohio Township stores oil and transmission fluid from township vehicles on site and contracts with Grubb Oil Co for hauling and disposal. Motor oil is salvaged once a year and transmission fluid about once every two years. In 2008, Grubb Oil took about 36 gallons of motor oil and 10 gallons of antifreeze from the township.

CHAPTER 7: GENERAL TASKS RELATED TO STORM WATER PROGRAM

1. *Phase II Committee meeting:* The Clermont County Phase II Committee met twice as a group on January 8 and September 25, 2007. Individual one-on-one discussions between various Phase II partners took place continuously throughout the year. Items discussed during the January meeting included the compilation of the 2007 annual report, and the draft MS4 permit renewal, which was published by Ohio EPA on December 17, 2007. The September meeting included an update on the draft MS4 permit, the Storm Water Department's web site, a status report on the storm sewer inventory and condition assessment project, and the status of other 2008 program activities. Copies of the meeting notes are included in Appendix 7.
2. *Review/Comment on Ohio EPA draft General Construction and MS4 permits:* The Storm Water Department conducted a thorough review of Ohio EPA's draft Construction General Permit and MS4 Stormwater General Permit in 2008. The program manager attended the two public meetings held by Ohio EPA for each permit in February 2008, and submitted comments on both drafts.