

**ADMINISTRATIVE REVISIONS TO THE NOTICE OF INTENT**

Revisions to the original Notice of Intent (NOI) are reflected below.

MS4 Operator Mailing Address:                      Yes    \_\_\_\_\_                      No    X \_\_\_\_\_

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Persons Responsible:                                      Yes    \_\_\_\_\_                                      No    X \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Area of Responsibility: \_\_\_\_\_

## Introduction

In 2003, Madison County (County), Illinois, and its communities created a Co-Permittee Group to join forces in complying with the National Pollutant Discharge Elimination System (NPDES) for Municipal Separate Storm Sewer Systems (MS4) Phase II requirements. As stated in the original 2003 Notice of Intent (NOI), the County and the Co-Permittee communities were to pool resources and work together to comply with the commitments made within the NOI for the benefit of all within the County.

The Co-Permittee Group was active during this reporting period. Significant progress was made sharing Best Management Practices (BMPs) for document retention, outfall mapping, operation procedures, and maintenance activities.

## Best Management Practice (BMP) Summary of 2014-2015 Activities

In 2003, each member of the Co-Permittee Group submitted a NOI in compliance with the first 5-year cycle. In 2008, a NOI was submitted in compliance with the next 5-year cycle, as written in the first MS4 permit. The 2009 NOI was submitted in compliance with additional requirements of the Illinois Environmental Protection Agency (IEPA) in the second MS4 permit. As stated in the 2003, 2008, and 2009 NOI, each Co-Permittee Member identified certain activities to comply with the Phase II requirements. Each community submitted an NOI in September 2013 for coverage under the third IEPA NPDES MS4 Phase II 5-year permit cycle that was anticipated to start with the 2014-2015 permit year. Below is an abbreviated summary of the BMPs that were written in the NOI for each of the minimum control measures.

### **March 2014-March 2015:**

- 1) **A.1-** Brochures incorporating green infrastructure and other related BMPs were to be published and displayed by each community in a public place, or on the community website, if applicable.
- 2) **A.4-** Madison County sponsored and participated in water-quality public events.
- 3) **A.5-** Madison County coordinates and participates in various events providing educational opportunities for local students.
- 4) **A.6-** Madison County participates in educational programs, including involvement in the Green Schools Program.
- 5) **B.3-** The Co-Permittee group met (4) times throughout the year to provide training and updates on various topics.
- 6) **B.6-** Each community was made aware of County sponsored events. Madison County was responsible for program development and coordination.

- 7) **B.7-** Madison County is starting to implement watershed plans to reduce flooding and improve water quality throughout the County. Public involvement is a critical component of these plans through open houses, surveys, and stakeholder meetings.
- 8) **C.1-** Communities were to review outfall map completeness and update revised or new storm sewer systems.
- 9) **C.2, 9-** Revisions to existing illicit discharge ordinances have been delayed until completion of the County Stormwater Master Plan. Madison County is working with the Stormwater Commission to prepare a Master Plan for the County. The Master Plan is currently in development.
- 10) **C.5-** Communities reviewed the inlet stenciling program. Standards for inlet stencils were available to the Co-Permittee Group upon request. The County is working to assist communities with resources to complete their inlet stenciling program as well as auditing the condition of existing markings.
- 11) **C.7-** Communities were to conduct illicit discharge inspections of facilities and outfall points. Illicit discharge detection training was included during one quarterly meeting.
- 12) **D.1, D.2, D.4, E.3, E.4-** Revisions to construction and post-construction stormwater ordinances have been delayed until the completion of the County Stormwater Master Plan. Training was provided on understanding, interpreting, and enforcing stormwater ordinances in place at this time.
- 13) **D.5-** Madison County continued to maintain a stormwater hotline number to address public concerns related to stormwater issues.
- 14) **D.6, E.5-** The County provided review for CESSWI requirements and continuing education opportunities for Co-Permittee members.
- 15) **F.1-** Provide training for employees whose work may impact stormwater runoff.
- 16) **F.3-** Communities are to review and update O&M manuals annually. Operations training was provided during a quarterly meeting.
- 17) **F.6-** The County has been conducting internal audits with IEPA staff to assess MS4 activities and NPDES permit compliance within the Co-Permittee Group.

The following pages highlight any changes made to the BMPs from the NOI, BMP status, and activities planned for the next reporting year. Additional information is also provided from the County and each Community.



# Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

### for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

*This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.*

Report Period: From March, 2014 To March, 2015

Permit No. ILR40 0461

#### MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: CITY OF TROY Mailing Address 1: 116 EAST MARKET STREET  
Mailing Address 2: \_\_\_\_\_ County: Madison  
City: TROY State: IL Zip: 62294 Telephone: 618-667-4629  
Contact Person: ALAN SECREST/ KEITH FREY Email Address: ASECREST@TROYIL.US  
(Person responsible for Annual Report)

#### Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

ILLINOIS DEPARTMENT OF TRANSPORTATION MADISON COUNTY  
JARVIS TOWNSHIP PIN OAK TOWNSHIP

#### THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach             | <input type="checkbox"/> | 4. Construction Site Runoff Control       | <input type="checkbox"/> |
| 2. Public Participation/Involvement          | <input type="checkbox"/> | 5. Post-Construction Runoff Control       | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

- B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.
- C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.
- D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle ( including an implementation schedule.)
- E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).
- F. Attach a list of construction projects that your entity has paid for during the reporting period.

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

Alan Secrest / Keith Frey  
Owner Signature:

5/26/15  
Date:

ALAN R. SECREST / KEITH FREY  
Printed Name:

PUBLIC WKS DIR / ZONING ADMIN  
Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto:epa.ms4annualinsp@illinois.gov)

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL  
COMPLIANCE ASSURANCE SECTION #19  
1021 NORTH GRAND AVENUE EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

COMMUNITY NAME: City of Troy

PERMIT #: ILR400461

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2014 through March 2015

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.	C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule	
Comment	YES NO		If attached information, describe.	YES NO	Activity	Schedule
<b>BMP No. A.1- Distributed Paper Materials- Informational Brochures</b>						
Milestone For Reporting Year: Brochures were posted in a public location and available to residents.						
	X	The City has stormwater brochures available to residents at the City Clerks's office.		X	The City will continue to make brochures available through the upcoming permit cycle.	Ongoing through 2014-2019 permit cycle.
<b>BMP No. A.4- Community Event- attend and participate in water-quality oriented public events</b>						
Milestone For Reporting Year: Attend at least two such events each year.						
	X	The County participated in multiple water-quality oriented public events, including the Lewis & Clark Water Festival, the Confluence Trash Bash, and the Mississippi EarthTones Festival.	See Page 10 and Exhibits A.4-A to A.4-C for more information.	X	The County will continue to attend at least two water related events per year.	Ongoing through 2014-2019 permit cycle.
<b>BMP No. A.5- Classroom Education Material</b>						
Milestone For Reporting Year: No specific milestone.						
	X		Review of Classroom Educational Materials (See Page 10)	X	The following schools are within the City jurisdiction: Silver Creek Elem., Henning Elem., St. Paul's Lutheran Elem., and Alternative School. The City will work with the County to coordinate educational opportunities.	Ongoing through 2014-2019 permit cycle.

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Comment	YES NO		If attached information, describe.	YES NO	Activity	Schedule
<b>BMP No. A.6- Educational Presentations</b>						
Milestone For Reporting Year: Make at least two school presentations. Continue educational programs.						
	X	Madison County schools operate a Green Schools program which educates children about the need to recycle and explore "green" options in their lives.		X	The County will continue involvement in educational programs.	
<b>BMP No. B.6- Program Involvement- Coordinate Meetings and Annual Reports</b>						
Milestone For Reporting Year: The community will continue to meet to share BMPs and training opportunities.						
	X	The Madison County MS4 Co-Permittee Group held four quarterly training meetings during the 2014-2015 permit year. Meetings were held:  - July 15, 2014 - September 10, 2014 - December 10, 2014 - March 18, 2015  A representative of the City attended all meetings.	See Page 10 and attached Exhibit B.6/ F.1-A for review of meetings and topics.	X	The City will continue to meet with the Co-Permittee Group to share BMPs and training opportunities.	Ongoing through 2014-2019 permit cycle.
<b>BMP No. B.7- Other Public Involvement- Participate in Recycling, Sustainability and Green Infrastructure Programs</b>						
Milestone for Reporting Year: Participate in two recycling, sustainability, and green infrastructure programs.						
	X	The County sponsored numerous recycling, sustainability, and green infrastructure programs including Pharmaceutical Drop-off, Hazardous Waste Collection, Christmas Tree Recycling, and Invasive Species Removal.	Review of Program Material (See Page 11)	X	The City will continue to participate in and promote programs related to stormwater activities.	Ongoing through 2014-2019 permit cycle.

COMMUNITY NAME: City of Troy

PERMIT #: ILR400461

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2014 through March 2015

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Comment	YES NO		If attached information, describe.	YES NO	Activity	Schedule

**BMP No. C.1- Storm Sewer Map Preparation**

Milestone for Reporting Year: Collect all available outfall mapping data

		X	The City is 100% complete with their outfall mapping program.			X	The City will review map completeness and update with revised or new storm sewer systems.	Ongoing through 2014-2019 permit cycle.
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**BMPs No. C.2, C.9- Regulatory Control Program- Ordinance language for Illicit discharge/public notification**

Milestone for Reporting Year: Modifications to the ordinance will be completed as part of this process. Communication brochures will be distributed throughout the community.

		X	The City's Ordinance contains a section on illicit discharge.			X	Enforce illicit discharge ordinances regularly.	
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**BMP No. C.5- Inlet Stenciling**

Milestone for Reporting Year: Complete a survey sample of inlet markers installed previously and assess conditions.

		X	The City has marked 750 out of approximately 800 inlets. The presence and condition of inlet markers is being confirmed by Madison County and IEPA during routine audits. Replacement of missing and worn inlet markers is ongoing.			X	Continue to replace missing and worn inlet markers.	Ongoing through 2014-2019 permit cycle.
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COMMUNITY NAME: City of Troy

PERMIT #: ILR400461

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2014 through March 2015

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.	C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule	
Comment	YES NO		If attached information, describe.	YES NO	Activity	Schedule
<b>BMP No. C.7- Visual Dry Weather Screening- Illicit Discharge Detection</b>						
Milestone for Reporting Year: Include training in one quarterly meeting. Conduct inspection of facilities and outfall points.						
	X	The Co-permittee group reviewed illicit discharge detection and elimination procedures September 2014 quarterly meeting. The City attended the meeting.		X	Continue to conduct inspections of City facilities and outfall points.	Ongoing through 2014-2019 permit cycle.
<b>BMPs No. D.1 and E.2 and D.4 and E.3 and E.4- Site Plan and Pre-Construction Review Procedures</b>						
Milestone for Reporting Year: Madison County provided an update to the Co-Permittee Group on progress with the Stormwater Master Plan						
	X	The City's Ordinance contains sections on construction site runoff control.  Madison County has continued to work towards a county-wide Stormwater Master Plan.		X	Continue to enforce erosion and sediment control ordinances.	
<b>BMP No. D.2- Erosion and Sediment Control BMP's</b>						
Milestone for Reporting Year: Include BMP training in one quarterly meeting						
	X	Operations training was provided during the December 10, 2014 quarterly meeting.  The City attended the meeting.		X	Continue to attend training as part of Co-permittee group.	Ongoing through 2014-2019 permit cycle.
<b>BMP No. D.5- Stormwater Hotline</b>						
Milestone for Reporting Year: Madison County will continue to provide support to communities with communicating hotline requests.						
	X	Madison County received numerous hotline calls during the reporting period. Many complaints are addressed by the communities prior to calls to the hotline.		X	Madison County will continue to provide support to communities by communicating hotline requests.	Ongoing through 2014-2019 permit cycle.

COMMUNITY NAME: City of Troy

PERMIT #: ILR400461

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2014 through March 2015

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Comment	YES NO		If attached information, describe.	YES NO	Activity	Schedule
<b>BMPs No. D.6 and E.5- Training for Construction Site Inspectors</b>						
Milestone for Reporting Year: Madison County sponsored training courses for construction site inspectors. The courses addressed specific technical issues regarding construction site runoff as well as post development.						
		X Review for CESSWI requirements and continuing education opportunities for Co-Permittee members was provided during quarterly meetings. The City attended all meetings. The City has 1 certified CESSWI inspector on staff.			X Madison County and the Co-Permittee group will continue to explore opportunities for additional training seminars.	Ongoing through 2014-2019 permit cycle.
<b>BMP No. F.1- Employee Training Program</b>						
Milestone for Reporting Year: The Co-Permittee Group will hold and Operations Training class as part of continuing education opportunities.						
		X The City attended all quarterly meetings. The Madison County Health Department held Larvicide Application Training for municipalities and townships on April 16, 2013 covering the application of larvicide briquettes.	See Page 10 and attached Exhibit B.6/ F.1-A for review of meetings and topics.	X	The Co-Permittee Group will continue to offer Operations Training and other educational and training opportunities throughout the permit year.	Ongoing through 2014-2019 permit cycle.
<b>BMP No. F.3- Other Municipal Operations Controls- Standard Operating Procedures</b>						
Milestone for Reporting Year: Operation procedures for street department activities were reviewed and modified as needed. Co-Permittee meetings included reference to review and update requirements.						
		X The City does not have a formal stormwater operations plan on file. Stormwater operation procedures for the street department were reviewed during the permit year and modified as needed.			X Operation procedures will be reviewed annually and modified as appropriate.	Ongoing through 2014-2019 permit cycle.

**ADDITIONAL INFORMATION**

<p><b>BMP A.4</b></p>	<p><b>Water Quality Oriented Public Events - Nature Day and Water Festival</b> See Attached Exhibit A.4-A</p>
<p><b>BMP A.4</b></p>	<p><b>Water Quality Oriented Public Events - Mississippi Earthtones Festival</b> See Attached Exhibit A.4-B</p>
<p><b>BMP A.4</b></p>	<p><b>Water Quality Oriented Public Events - Riverbend Earth Day Festival</b> See Attached Exhibit A.4-C</p>
<p><b>BMP A.6</b></p>	<p><b>Classroom Educational Materials - Madison County Soil and Water District</b> The Madison County Soil and Water Conservation District assists with the educational requirements through a number of initiatives. They provide historic aerial maps, flood maps, topography maps, soil type maps, and other data resources. These resources are used by students, developers, environmental and engineering firms, and individuals. The Soil Survey for Madison County was digitized in 2002 and is now available at no cost. Each year the Soil and Water District provide monetary awards to the best conservation 4-H project at the Madison County Fair. This has allowed school aged children to learn different methods of conservation and how it could potentially benefit stormwater quality and quantity.  The Madison County Soil and Water District also supplies literature to schools and organizations for Earth Day and Arbor Day. The literature includes themes such as conservation and stormwater. Through funding from the Madison County Farm Bureau, the University of Illinois Extension Office, and the Madison County Soil and Water District, an educational coordinator works to deliver presentations and supply schools with literature related to stormwater pollution.</p>
<p><b>BMP A.6</b></p>	<p><b>Classroom Educational Materials - Madison County Green Schools Program</b> Madison County schools operate a Green Schools program which educates children about the need to recycle and explore "greener" options in many facets of their lives, as well as operating large scale recycling programs. See Exhibit A.6 for additional details.</p>
<p><b>BMP B.6/F.1</b></p>	<p><b>Stakeholder Meetings - Co-Permittee Group Training Opportunities</b> The Madison County MS4 Co-Permittee Group held four quarterly training meetings during the 2014-2015 permit year. Topics covered included a review of proposed changes Phase II requirements in the third MS4 permit cycle, outfall mapping, illicit discharge detection and elimination, operations training, and annual report requirements. See attached Exhibit B.6/F.1-A.  Madison County Health Department conducted larvicide training for municipal and township employees during 2014. See attached Exhibit B.6/F.1-B.</p>

**ADDITIONAL INFORMATION**

<b>BMP B.7</b>	<b>Community Events</b>
	Throughout the year, Madison County sponsored many community events that could positively impact stormwater quality. These activities encourage public participation to prevent pollutants from getting into the sanitary and storm sewer system.
	The pharmaceutical drop-off program included nine police departments in the County where citizens can dispose of expired or unwanted medication year round properly rather than flushing down the drain or dumping into landfills. In addition, Madison County also sponsored Drug Take Back Days in April and September 2014 which collected approximately 325 pounds of medication total. See Attached Exhibit B.7-A
	Madison County sponsored a hazardous waste collection in May 2014 where residents could bring household wastes such as paint, oils, fluorescent bulbs and household cleaners for free disposal. Approximately 260 55-gallon drums of waste was collected during this event. See Attached Exhibit B.7-B.
	Madison County managed a Christmas Tree recycling program in conjunction with area public works and township highway departments from late December 2014 to mid January 2015. There were 32 locations open to the public that collected 1,007 trees. The trees were chipped for mulch in and used by public works departments for parks or in ponds for fish bedding. See Exhibit B.7-C for additional details.
Madison County was a sponsor of the I-LEAD Leadership conference on August 4, 2014. More than 150 conference participants cleared brush, cleaned up trails and removed exotic invasive species to help restore prairie, wetland and woodland habitats at the Willoughby Heritage Farm & Conservation Reserve in Collinsville, IL and Arlington Wetlands in Pontoon Beach, IL. See Attached Exhibit B.7-D	
<b>BMP B.7</b>	<b>Other Public Involvement</b>
	Madison County is starting to implement watershed plans to reduce flooding and improve water quality throughout the County. Major components of the plan and process include watershed resource inventories of existing conditions, watershed based plans for improvements, and public/stakeholder involvement. The first watershed plan in development is Upper Silver Creek. See attached Exhibit B.7-E for more details.
<b>BMP B.7/C.5</b>	<b>Review of Annual Stream Cleanup Day &amp; River Cleanup</b>
	This event was not held in 2012, however several other cleanup days were held throughout the County. See attached Exhibits B.7/C.5 A&B.

## ADDITIONAL COMMUNITY ACTIVITIES

Community Name: City of Troy

Permit #: ILR400461

List any additional community-sponsored activities performed between March 2014 and March 2015 not listed in *Notice of Intent (NOI)* submittal, but which addresses one of the six minimum control measures:

- The City of Troy collected Christmas Trees for recycling from January 2 through January 27, 2015. A total of 225 trees were collected.
- Nine police departments in the County, including the City of Troy, participate in the pharmaceutical drop-off program where citizens can dispose of expired or unwanted medication year round properly rather than flushing down the drain or dumping into landfills. In addition, Madison County also sponsored Drug Take Back Days in April and October 2014 which collected approximately 325 pounds of medication total.
- Madison County and the IEPA sponsored a tire collection for municipalities and townships on May 15th and 16th, 2014 where 141.3 tons of tires were collected. The tire collection allowed for municipalities and townships to dispose of the tires collected throughout the year.
- Madison County, IEPA, and Phillips 66 sponsored a hazardous waste collection at the Wood River Refinery on May 31, 2014. Approximately 261 55-gallon drums of hazardous waste were collected for proper disposal.
- The City cleaned multiple creeks on June 14, 2014:
  - Tributary to Wendell Creek: Two dumptruck loads of brush and trash.
  - Troy Creek: One and a half dumptruck loads of brush and trash.
- The City cleaned and graded ditches along Kimberlin Street, Elmer Street, Franklin Street, and Weston Street.
- The City cleaned 250 miles of roadway, disposing of the material in a landfill.
- The City cleaned 40 catch basins during the permit year.
- The City maintains a 40 cubic yard dumpster at 416 East Center which was emptied 3 times during the permit year.

Circle which minimum control measure addressed:

- |  |  |
|--|--|
| ① Public Education and Outreach              | 4. Construction Site Runoff Control      |
| ② Public Participation/Involvement           | ⑤ Post-Construction Runoff Control       |
| 3. Illicit Discharge Detection & Elimination | ⑥ Pollution Prevention/Good Housekeeping |

E. Reliance on Government Entities for Permit Obligations

The City of Troy is part of the Madison County MS4 co-permittee group.

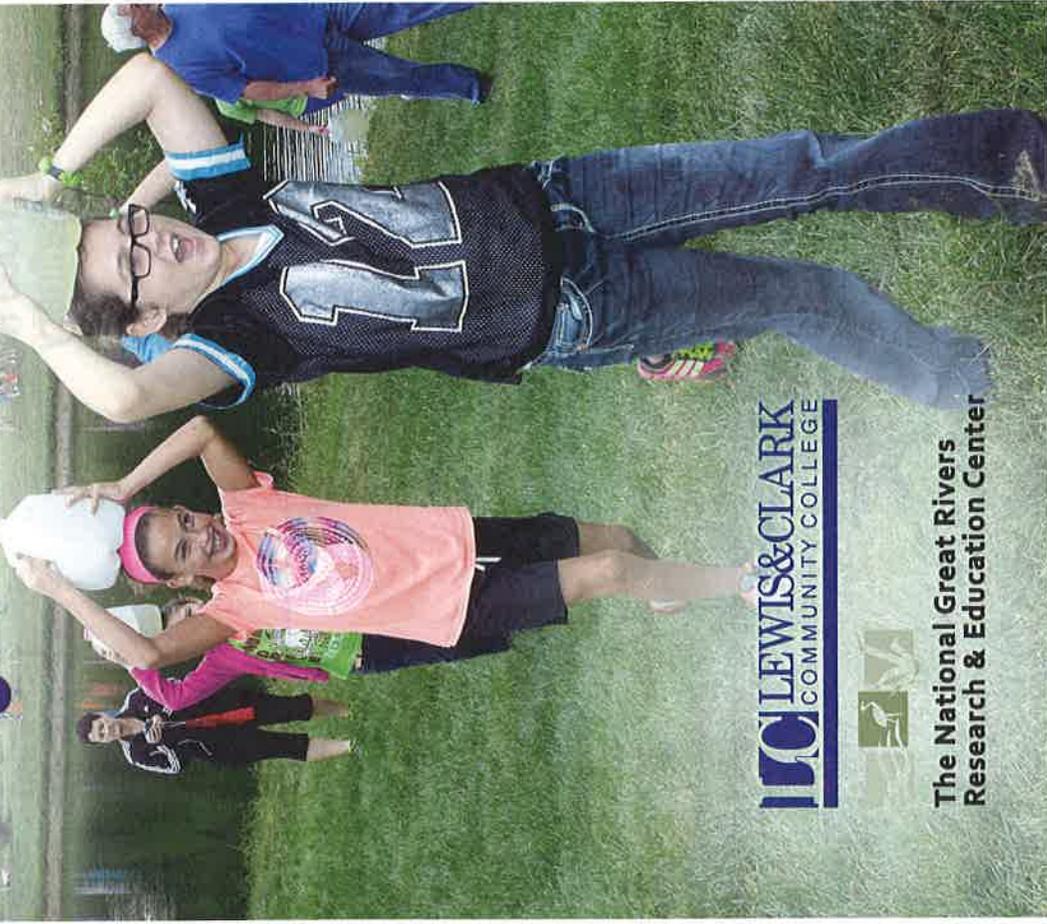
F. List of Construction Projects during the Current Reporting Year

<u>Permit #</u>	<u>Project</u>	<u>Status</u>
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None

# 2014 Lewis & Clark's 12<sup>th</sup> Annual Water Festival

# Lewis & Clark's 12th Annual Water Festival



**LEWIS & CLARK**  
COMMUNITY COLLEGE



The National Great Rivers  
Research & Education Center



The National Great Rivers  
Research & Education Center

**LEWIS & CLARK**  
COMMUNITY COLLEGE



# Sponsors

## RAINDROP

Dynagy  
St. Louis Bread Company

Walmart  
Pepsi

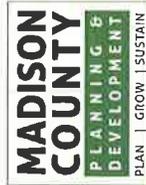
## POND



Wood River  
Refinery



## RIVER



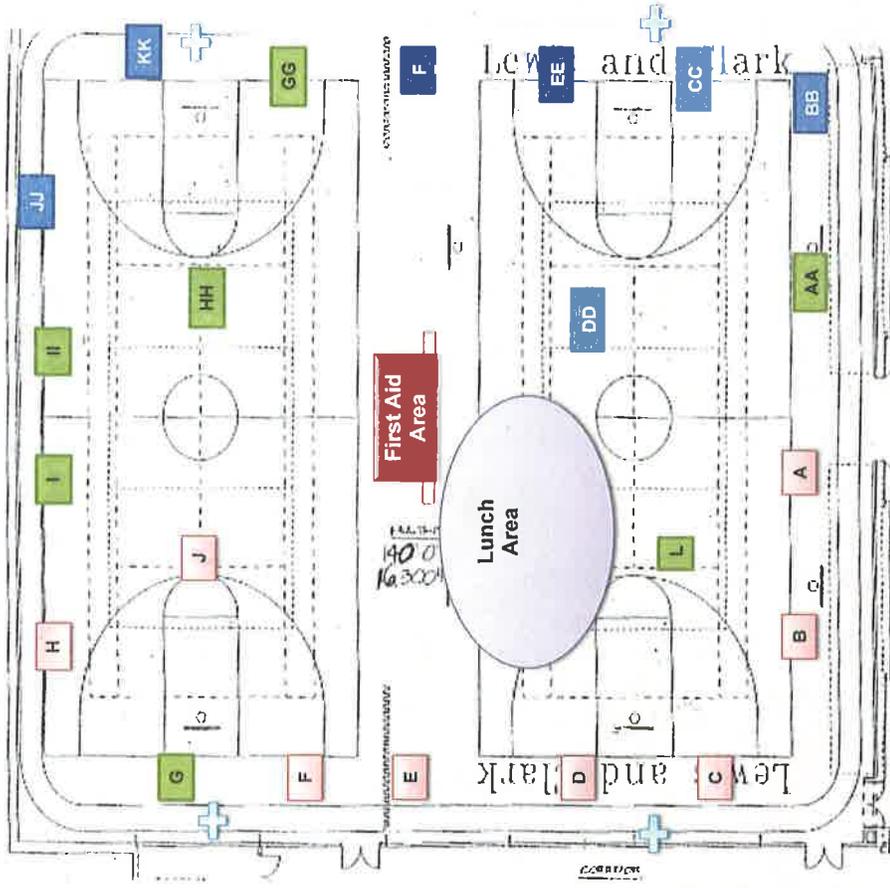
## WATERSHED



ILLINOIS  
AMERICAN WATER

# Indoor Event Map

(in case of rain)



School Check-In

Volunteer & Exhibitor Check-In

POD #1

POD #2

These activities may be changed or removed due to rain/ indoor location.



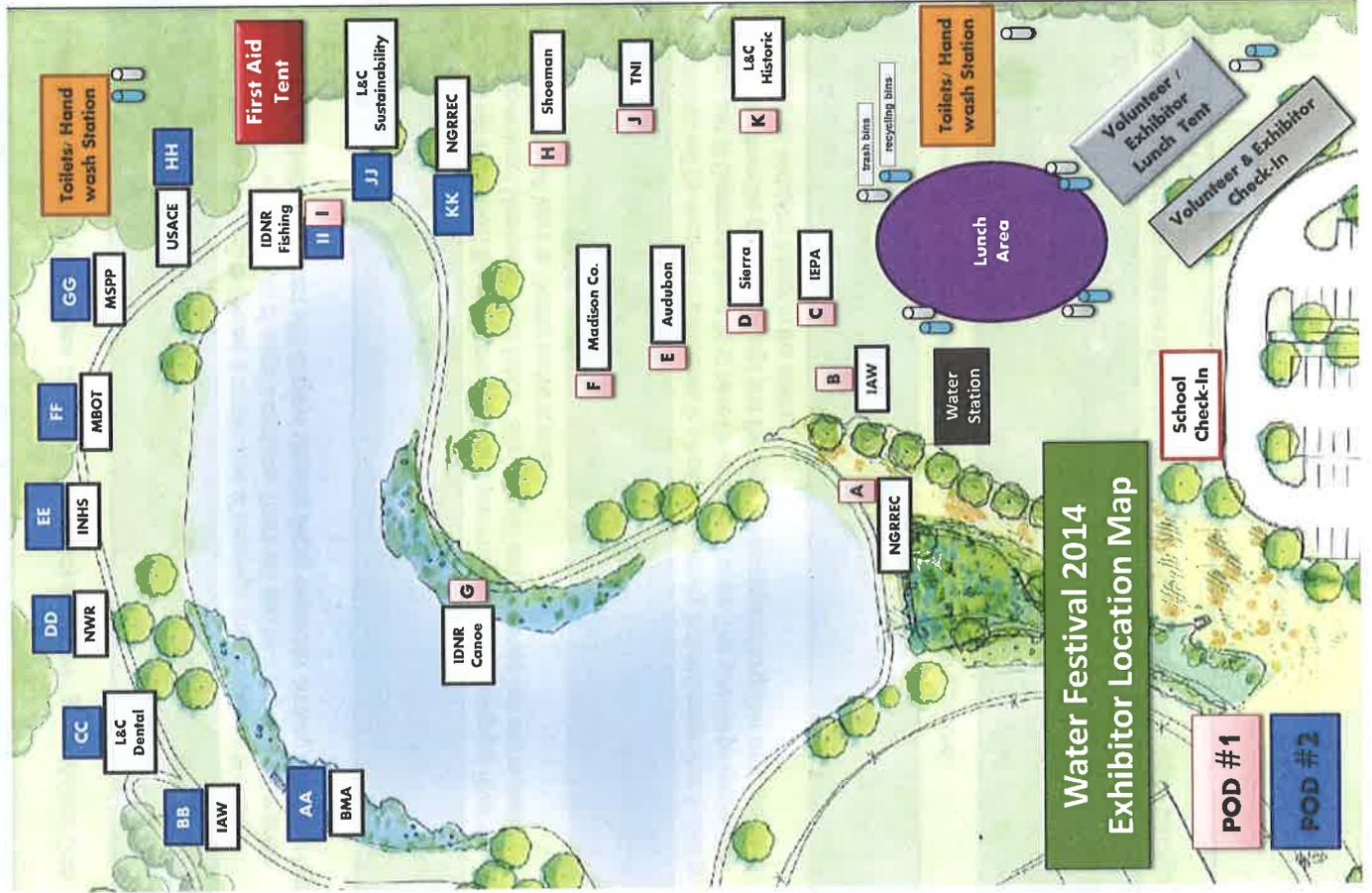
Outlets

# Participating Schools

- Carlinville Intermediate
- Eastwood Elementary
- Montessori Children's House
- North Elementary
- Highland Elementary
- C.A. Henning Elementary
- Brussels Grade School



# Outdoor Event Map



# Thank You

We would like to thank our Watershed Stewardship Committee Partners for their help with this year's Festival and Teacher Workshop:

Illinois Department of Natural Resources

The Nature Institute

Piassa Palisades Sierra Club

U.S. Army Corps of Engineers

Jason Chapman, North Elementary School Teacher

Alan Bruha, L&C Professor

**We would also like to acknowledge various other people and departments who have helped to make this event successful:**

The L&C President's Office

Dr. Dale Chapman, L&C President

NGRREC Staff

L&C Media Services Staff

L&C Maintenance Staff

L&C Catering Staff

L&C Custodial Staff

L&C Security Staff

L&C Accounting Staff

Barb Van Walleghan

Kimberly Ruby

And various volunteers from area high schools, colleges, and the community.



## POD 2

### Description

Students will venture out in voyageur canoes with Big Muddy Adventures guide, Michael Clark.

We will use the Enviroscope model to show the importance of protecting our watersheds and will demonstrate in a flask the treatment of water and how we make it suitable for drinking

The children will be asked to choose a certain type of beverage and then will be allowed to measure out the exact amount of sugar it contains. There will also be a ring toss water bottle game and students will interact with displays showing decay caused by drinking beverages high in sugar.

Students will discuss why and how birds migrate and then participate in a game to demonstrate the difficulties of migration. Students will learn the importance of the Mississippi River in providing stopover habitat during migration.

Students will learn about the ecological health and water quality of the Mississippi River through discussions about Mississippi River fishes. Students will see preserved fish and mussel specimens and will learn to identify native species.

Using a fun, interactive game, students will explore the impact polluted water can have the plants in a forested ecosystem and how that impact resonates throughout an entire food web over a period of time.

The children will be required to participate in a hands-on activity that simulates what a child in the rural part of Guatemala must do to have clean drinking water. The girls will be required to gather water from the pond in milk jugs and the boys will be required to gather small pieces of wood, tie it up and carry it back to the station.

Students will use GPS receivers to find hidden caches that contain water safety tips. Students will work in groups to figure out where the caches have been hidden and to solve the water safety riddles inside.

Students will learn proper casting while spending time fishing in the campus pond.

In this interactive hands-on activity, teams of students will work together to learn where our water comes from, and just how little of it is available to us. Students will use beakers to estimate how much of earth's water is tied up in oceans, lakes, streams, and other sources. A water supply and conservation trivia game will test their knowledge along the way. The team that can correctly answer the most questions and conserve the most water will be the winner!

Students learn about how pollution affects aquatic macroinvertebrates (water bugs) by playing a special game of tag.

## POD 2

Exhibit	Organization	Map Code	Activity
AA	Big Muddy Adventures	BMA	Canoeing with Big Muddy
BB	Illinois American Water	IAW	Water - From Protecting our Watersheds to Water & Wastewater Treatment
CC	Lewis and Clark Community College Dental Program	L&C Dental	Water is Better
DD	Two Rivers National Wildlife Refuge	NWR	Mississippi Migration
EE	Illinois Natural History Survey	INHS	Fishes of the Mississippi River
FF	Missouri Botanical Gardens	MOBOT	Polluting the Forest
GG	Mustard Seed Peace Project	MSPP	Raising Awareness of Global Water Needs
HH	U.S. Army Corps of Engineers	USACE	Water Safety Geocache
II	Illinois Department of Natural Resources	IDNR Fishing	Urban Fishing
JJ	Lewis and Clark Sustainability Center	L&C Sustain	Water, Water, Everywhere!
KK	The National Great Rivers Research and Education Center	NGRREC	Macro Mania

## A Brief History:

The National Great Rivers Research and Education Center (NGRREC) at Lewis and Clark Community College (L&C) initiated the first annual Water Festival on the L&C campus in 2002 in response to an assessment of the environmental projects in place at the time. That assessment demonstrated that while there were successful programs focused on middle and high school students, little attention had been directed toward elementary students in our surrounding communities. A working committee with members representing a variety of environmental, educational and business interests was formed to plan and develop what is now L&C's Annual Water Festival.

The committee elected to have two major components of this program: a professional development day for 5th grade teachers and a water activities festival for their students. The teacher workshop provides the teachers with curricular materials, supplies, and the teaching methodology to enhance their water education unit in the classroom. The water festival allows the teachers to bring their students to Lewis and Clark's campus to cycle through a number of "activity" stations which are organized and supervised by a variety of facilitators from state, county, local agencies, environmental organizations, education institutions and businesses. Attendance to the festival and all materials supplied for the classroom are provided free of charge to the participating classes. This program is run entirely off of sponsorships in the form of monetary and material donations.



**For additional information about the event or providing sponsorships for next year's Water Festival, please contact the event coordinator, Natalie Marioni at (618) 468-2783 or [nmarioni@lc.edu](mailto:nmarioni@lc.edu).**

**POD 1**

**POD 1**

<b>Exhibit</b>	<b>Organization</b>	<b>Map Code</b>	<b>Activity</b>	<b>Description</b>
A	The National Great Rivers Research and Education Center	NGRREC	Collect Bugs Like a Scientist	Students use nets and bare hands to search the Lewis and Clark Community College north pond for aquatic macroinvertebrates (water bugs). Captured bugs will be identified and used to assess water quality.
B	Illinois American Water	IAW	ILAW Mobile Education Center	At our new Mobile Education Center (MEC), we will show two videos-one on water treatment and the other on the water cycle. We will then demonstrate water treatment and water testing for chlorine.
C	Illinois Environmental Protection Agency	IEPA	Water Quality Tools	After a brief discussion about the importance of water quality and why Illinois EPA is interested in it, the students will see a demo of the physical tools we use (secchi disc and color chart) to assess water quality. A sample of the water is then collected and filtered using other tools and followed by a discussion on chemical properties. Finally, the biological ways water quality is assessed using macroinvertebrates is discussed.
D	Piasa Palisades Sierra Club	Sierra	Gyotaku (Japanese Fish Printing)	The students will choose and identify a native fish species from latex models provided. As they paint their model we will discuss the Gyotaku technique and invasive species. The students will then place a piece of paper over their fish, rub an imprint which will be hung to dry for the students to take home.
E	The Audubon Society of Riverlands	Audubon	Oil Spill	Students will explore the effects of a mock oil spill in a pond setting. They will focus on examining the effects oil has on plants and birds (bird feathers). Additionally, participants will learn why birds' feathers must stay clean and well-conditioned and discover how oil in water can harm birds.
F	Madison County Government, Planning & Development Dept.	MadisonCO	Greening Madison County	Students will discuss and participate in two hands-on activities to visually demonstrate the impact development and stormwater management have on a mock riverfront development/water-shed.
G	Illinois Department of Natural Resources	IDNR Canoe	Canoeing with IDNR	Students will spend time paddling our campus pond in a voyageur canoe lead by Scott Irsinghausen from Pere Marquette State Park of the Illinois Department of Natural Resources. During this station, students will learn about the historic use of these large canoes.
H	Shoeman Water Projects	Shoeman	Cleaning Water in Developing Nations	Access to clean, drinkable water is very difficult for many around the world. In developing nations around the world wells are dug but the water from the aquifer is still dangerous. Learn how a simple teaspoon of salt and a little sunshine can help a whole village purify their water.
I	Illinois Department of Natural Resources	IDNR Fishing	Urban Fishing	Students will learn proper casting while spending time fishing in the campus pond.
J	The Nature Institute	TNI	The Incredible Journey	Children will go through the water cycle as a "water molecule" rolling "dice" to move through different habitats, animals, plants or water reservoirs collecting beads. The beads demonstrate how water may move or stay in various forms.
K	Lewis and Clark Historic Site	L&C Historic	The Lewis and Clark Expedition- The White Pirogue	The Lewis and Clark Expedition spent their first winter in Illinois at Camp River Dubois. When they departed on May 14, 1804 to begin their 2 and 1/2 year journey they left with 3 boats one of which is called the White Pirogue. Students will get a chance to see a replica of this boat and learn about the expedition.

2014 Mississippi Earthtones Festival (8<sup>th</sup> Annual)

# Mississippi Earthtones Festival

- Conservation exhibits
- Earth-friendly products and services
- Nature craft vendors
- Plus, a great selection of food and beverages!

[www.facebook.com/EarthtonesFestival](http://www.facebook.com/EarthtonesFestival)

Sat, Sept 20 2014

Noon-11pm

At Alton's Riverfront Park & Amphitheater

Join us for our 8th Annual FREE & family-friendly event held every 3rd Sat in Sept.

PRESENTED BY:



**Celebrate the Mississippi River through Art, Music, and Conservation**

## MAIN STAGE ENTERTAINMENT

- 1:00-3:00 Nancy Lippincott & Friends
- 3:00-3:30 World Bird Sanctuary Eagle program
- 3:30-3:45 Confluence Conservation Leadership Awards
- 3:45-5:00 River City Sound
- 5:15-7:45 Blu Skies
- 8:00-11:00 Jake's Leg (Grateful Dead Tribute)



HOMEFIELD



MADISON COUNTY

Liberty Bank

MISSOURI

Think Green Live Green



THE Y THE GREAT

WBC 370 Z

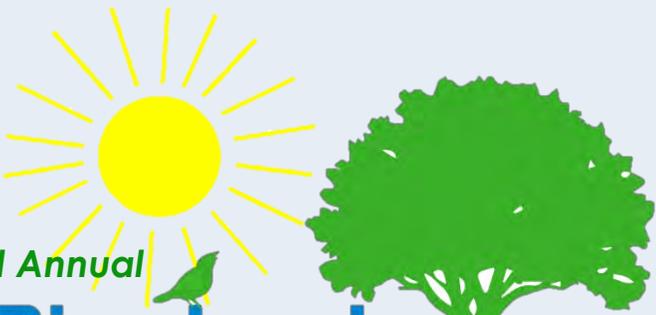
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AdVantage

★

Advantage NEWS

## 2014 Riverbend Earth Day Festival (3<sup>rd</sup> Annual)



3rd Annual  
**Riverbend**  
**earth**  
**day**  
**Festival**

**Saturday, April 12, 2014**  
**Noon to 6 p.m.**

**Rain or Shine!**

**FREE and open**  
**to the public**

**\*New location\***  
**Piasa Harbor**  
 Located on the  
 Great River Road/Route 100

- \* Live music throughout the day - Open jam so bring your instruments!
- \* Local food & beverage vendors on site
- \* Make-it & take-it workshops
- \* Organized hikes & tree plantings
- \* Textile collection and electronics recycling
- \* Paddling, fishing, & disc golf
- \* Nature arts and crafts
- \* Hands-on activities and more!

THANK YOU TO OUR EVENT SPONSORS:



For info contact: The Nature Institute  
 (618) 466-9930 • [info@TheNatureInstitute.org](mailto:info@TheNatureInstitute.org)



The National Great Rivers  
 Research & Education Center

GREEN  
 BUSINESS  
 ALLIANCE

# Madison County Green Schools Program

## **MADISON COUNTY GREEN SCHOOLS PROGRAM (2014-2015)**

- **Tab Top Tally**, May 3, 2014: 23 school participating and donating 3100 pairs of shoes and 1,800 lbs of aluminum tab tops
- **Earth Flag “Mini” Celebration**, May 6, 2014: 38 participants
- **Sustainability Institute for Educators**, June 22-24, 2014: 3 Madison County educators participated
- **Green School Coordinator Resource Day** (this also counted as a US Green Building Council Green Apple Day of Service event), September 27, 2014: 54 participants
- **Smart Grid for Educators Workshop**, October 25, 2014: 39 participants
- **Madison County “Green Seed” Environmental Grants**: From FY 2014, 8 school applied and over \$12,000 was awarded to fund projects including recycling, composting, stormwater management, landscaping and energy efficient lighting to take place in the 2014-15 school year. We offered a second round in spring of 2015 and awarded funding to another 3 schools for nearly \$4,000 in project funding.
- **US EPA Air Quality School Flag Program** in Riverbend Region Schools: We are working to get 3 entire school districts in the Riverbend region to participate in this program (Alton, East Alton Wood River High School, and Wood River Hartford). If we can accomplish this, we would be the first area in IL to get an entire school district (or 3!) to participate in the program. To encourage participation, Madison County Government will be providing the flags for the Riverbend schools, so the schools don’t have to pay for them.
- **Madison County Rain Barrel Design Contest**: Received 306 entries from 13 different schools; 3 winning schools will receive rain barrels at their schools and overall winner will have either native landscaping or a rain garden installed on their site this spring
- **US Green Building Council Green Schools Quest Competition**: 2 Madison County schools participating this year (Edwardsville High School & Alton Motivational Achievement Center)
- **Clean Air & Healthy Living Bookmark Design Competition**: 415 entries from 14 different schools (this year we’re partnering with US EPA)
- **Shoeman Water Project; Madison County Well Challenge**: The staff at Shoeman are continually impressed with the number of shoes that have been collected in Madison County over the years. As a matter of fact, they have been so impressed that they have

issued a challenge for the 2014-15 School Year. If we can collect 15,000 shoes, they will name a well in Panama for Madison County. During the fall collection we collected over 4,000 pairs of shoes to go towards that goal! Another collection will take place in April of 2015.

- **Yet to Come in April & May, 2015:** Trashformations & PhotoVoice competition, Student Sustainability Summit, Earth Flag Celebration, Locker Leftover & Cleanout Day, Green School Coordinator Get-Together

## **ONGOING ACTIVITIES**

- Many Madison County Schools have completed and submitted their **Green Schools Benchmarking & Green Goals**: The goal is to get a more comprehensive overview of what, exactly, Madison County schools are doing regarding sustainability practices. We continue to receive the documents from schools and plan to utilize National Geographic's FieldScope database ([http://education.nationalgeographic.com/education/programs/fieldscope/?ar\\_a=1](http://education.nationalgeographic.com/education/programs/fieldscope/?ar_a=1)) to record all the information and make it available to the public in an easy-to-use interface.
- **Recycling Collections:** Aluminum can tab tops, Trex (plastic bags), Cell Phones, keys, eyeglasses...



**Madison County Government  
Planning and Development Department**

*Matt Brandmeyer, AICP • Administrator*  
Madison County Administration Building  
157 N. Main Street, Suite 254 • Edwardsville, IL 62025-1964  
Phone (618) 692-7040 ext. 4468 • Fax (618) 692-8982  
E-Mail [zoning@co.madison.il.us](mailto:zoning@co.madison.il.us)  
<http://www.co.madison.il.us/Planning>

**Shoeman Water Project Shoe Collection & Madison County Well Challenge  
From November 12-21, 2014**

***Help Madison County Government celebrate America Recycles Day by donating your old shoes!!!***

**WHAT:** Shoeman Water Projects pick up donated used and new shoes to give them a second life. Shoeman exports the donated shoes to retailers in the developing world for resale to provide jobs and affordable footwear. Proceeds generated from the export of shoes fund well drilling rigs, water purification systems, and hand pumps to bring clean, fresh drinking water to those who thirst worldwide. Their work reduces landfill waste, puts shoes on bare feet, and provides clean water in impoverished villages to facilitate better health, hygiene, farming and livelihoods throughout the world. Shoeman Water Projects has collected over 4 million pairs of shoes that have become affordable shoes for those in need of protection from abrasions and deadly parasites as well as clean drinking water.

**WHERE: Madison County Administration Building**  
157 North Main St. (lobby area)  
Edwardsville

**Madison County Health Department**  
101 East Edwardsville Rd. (lobby area)  
Wood River

**WHEN: Wednesday, November 12- Friday, November 21, 2014 from 8:00 am until 4:30 pm daily**

**WHAT: All types of shoes including athletic, running, dress, sandals, pumps, heels, work boots, cleats, dance, flip flops. As long as they do not have holes in them, they accept them! Shoes should be rubber-banded or tied together for donation.**

A school district and public drive-up drop off will also be available on **Saturday, November 22<sup>nd</sup>** from **10am-noon** in the parking lot behind the County Administration Building in Edwardsville.

Additional information regarding Shoeman Water Project, including other donation locations, can be found at: [www.shoemanwater.org](http://www.shoemanwater.org)



# shoeman water projects

## Turning used shoes into water

**1** Gather all the shoes you don't wear anymore. Rubber band or tie each pair together.



**2** Take them to a nearby shoe drop-off location! (Visit [www.shoemanwater.org](http://www.shoemanwater.org) to find the nearest location.)



**3** We collect all the shoes and they are exported to street vendors in places like Kenya, Haiti, and South America.



**4** The street vendors receive valuable shoes, and people without shoes can purchase them for pennies on the dollar.



**5** We use the funds generated from exporting the shoes to provide well drilling rigs, water purification systems, repairs for hand pumps, and health and hygiene training.



**6** Communities around the world receive the life-saving gift of **clean water.**



To donate, host a shoe drive or volunteer, visit [www.shoemanwater.org](http://www.shoemanwater.org) or call 877-709-SHOE (7463).



# Turning used shoes into water

Shoeman Water Projects collects donated new and used shoes and exports the shoes to street vendors in places like Kenya, Haiti and South America, providing affordable shoes and jobs for those communities. The funds are used for well drilling rigs, water purification systems and training programs to bring clean, fresh water to those who thirst.



**George "The Shoeman" Hutchings**  
Founder of Shoeman Water Projects

Our work reduces landfill waste, puts shoes on bare feet, and provides clean water in impoverished villages to facilitate better health, hygiene, farming and livelihoods throughout the world.



## FREQUENTLY ASKED QUESTIONS

### What types of shoes do you accept?

**Shoeman Water Projects accepts all types of shoes:** athletic, running, dress, sandals, pumps, heels, work boots, cleats, dance, flip flops. As long as they do not have holes in them, we accept them!

### Where can I drop off shoes?

We have more than 200 shoe drop-off locations. To find one near you, visit [www.shoemanwater.org](http://www.shoemanwater.org) and type your zip code in our shoe drop-off locator. If you don't see one near you, please give us a call at 636-751-8197.

### How do I become a drop off location?

Becoming a drop-off location is easy, and it will provide you with additional foot traffic at your location. Contact [info@shoemanwater.org](mailto:info@shoemanwater.org). We will add you to our website and provide you with signage and a storage container.

### Where do the shoes go?

Shoeman Water Projects exports shoes to street vendors in Kenya, Haiti, and South America. Shoe resale builds the local developing economy with retail businesses and affordable shoes for pennies on the dollar. These shoes become a life-saving tool as they protect the new owner's feet and overall health from foot abrasions, parasites and mites.

### How can I get more involved?

Are you ready to make a difference? We harness the power of volunteers to help bring footwear to the shoeless and water to the thirsty. Volunteers can:

- Host a shoe drive (We make it easy with a shoe drive kit!)
- Sort shoes at our warehouse
- Rescue shoes after garage sales
- Collect shoes from drop-off locations
- Join us on a water trip
- Attend, assist with, or host water purification and health and hygiene training.

Just fill out the volunteer form at [www.shoemanwater.org](http://www.shoemanwater.org) to get started!

**877-709-SHOE(7463) | 636-751-8197**

**[www.shoemanwater.org](http://www.shoemanwater.org)**  
to donate, host a shoe drive or volunteer

[f facebook.com/shoemanwaterproject](https://www.facebook.com/shoemanwaterproject) [t twitter.com/ShoemanWaterOrg](https://twitter.com/ShoemanWaterOrg)

Shoeman Water Projects is a work of Eagle Wings Ministries, a registered 501(c)(3) non-profit charity, working to alleviate as much human suffering as possible.

Madison County MS4 Co-Permittee Group  
2014-2015 Quarterly Meeting Agendas

## **AGENDA**

**MS4 Co-Permittee Group Meeting**

**Tuesday July 15, 2014 9:00 AM**

**Madison County EMA**

**101 E. Edwardsville Rd.**

**Wood River, IL. 62095**

1. Introductions – New Members and Guests (Janet Buchanan – Heartlands Conservancy)
2. CESSWI - Continuing Education Credits & Program Changes – Rick Macho
3. Changes to the ILR 40 Permit – Ben, Steve
4. Update on IEPA MS4 Audits – Steve and Wayne
5. Presentation on Upper Silver Creek Watershed Plan – Steve & Janet
6. New Year – New Events
  - a. Erosion and Sediment Control Field Day
  - b. IAFSM Workshop & Seminar
  - c. CESSWI Review & Exam – January 2015?
  - d. Madison County Sustainability Program Environmental Grant – Update
7. Steering Committee
8. Discussion/Questions ?

## **AGENDA**

**MS4 Co-Permittee Group Meeting  
Wednesday September 10, 2014 9:00 AM  
Madison County EMA  
101 E. Edwardsville Rd.  
Wood River, IL. 62095**

1. Introductions
2. Update from our Steering/Planning Committee Meeting (8/18/14)
  - a. Topics for Meetings
  - b. Meetings schedule
  - c. CESSWI – Planning for next Review & Exam for January 2015
  - d. Sediment & Erosion Field Day – a Different Idea?
3. Update on IEPA MS4 Audits
4. Update on the Upper Silver Creek Watershed Plan
5. Current Items of Interest
  - a. Stunkel Property
6. Today's Topic for Discussion – Outfall Mapping & IDDE
  - a. Definition for Outfall
  - b. GIS Mapping – Link:  
<https://maps.co.madison.il.us/madco/gisviewer/index.html?config=confi-g-plandev.xml>  
<https://maps.co.madison.il.us/madco/gisviewer/index.html?config=confi-g-plandevedit.xml>
  - c. Illicit Discharge Detection & Elimination
  - d. Video – IDDE
7. Discussions & Questions?

## **AGENDA**

**MS4 Co-Permittee Group Meeting  
Wednesday December 10, 2014 9:00 AM  
Madison County EMA  
101 E. Edwardsville Rd.  
Wood River, IL. 62095**

1. Introductions
2. CESSWI –Update on changes at EnviroCert (Rick Macho)
3. Field Day Update Info
4. Update on recent IEPA MS4 Audits – Village of South Roxana
5. Update on the Upper Silver Creek Watershed Plan
6. Current Items of Interest
7. Today’s Topic for Discussion – Operations Training Presentation
8. Discussions & Questions?
9. Next Meeting: March 11, 2015

## **AGENDA**

**MS4 Co-Permittee Group Meeting  
Wednesday March 18, 2015 9:00 AM  
Madison County EMA  
101 E. Edwardsville Rd.  
Wood River, IL. 62095**

1. Introductions
2. CESSWI –Update ([envirocertintl.org](http://envirocertintl.org))
3. Field Day Update (Cover Crop and Erosion & Sediment Control)
4. Update on recent IEPA MS4 Audits – Village of South Roxana
5. Update on the Upper Silver Creek Watershed Plan
6. Current Items of Interest
7. Today’s Topic for Discussion – Annual Report (Due May 29, 2015)
8. Discussions & Questions?
9. Next Meeting: June 10, 2015

Madison County Health Department  
2014 Municipal Larvicide Training



Madison County Government  
**Health Department**

*Toni M. Corona* · Public Health Administrator  
101 East Edwardsville Road · Wood River, IL 62095-1332  
Phone (618) 692-8954  
Faxes (618) 692-8905 Admin (618) 296-7011 Nursing (618) 251-9482

*Alan J. Dunstan*  
County Board Chairman

IMPORTANT NOTICE

TO: Municipal Government Officials, Township Supervisors,  
and Public Works Directors

FROM: Mary Cooper, L.E.H.P.  
Environmental Health Services Manager

DATE: March 11, 2014

RE: One-Hour Larvicide Training for Municipal Employees

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The Illinois Department of Agriculture requires any municipal employee who applies pre-packaged solid larvicides for mosquito control and who is not a licensed pesticide applicator attend annual training. Those who receive one-hour training may only make applications during the calendar year in which the training was received.

Madison County Health Department is offering a one-hour larvicide training clinic for municipal and township employees on Tuesday, April 8, 2014 at 9:00 a.m. at the Madison County Wood River Facility. This training is an annual requirement for employees who will be applying these specific larvicides and who are not licensed applicators.

In addition, EPA Notice of Intent will be required to dispense larvicide in water within the United States. Steve Brendel with Madison County Planning and Development will provide training on how to submit the required Notice of Intent at the larvicide training.

**Tuesday, April 8, 2014**  
**Madison County Wood River Facility**  
**Emergency Operation Center (EOC) room**  
**(Enter building at the Emergency Management Agency sign)**  
**101 East Edwardsville Road**  
**Wood River, IL 62095**

**Training course promptly begins at 9:00 a.m.**

There is no cost to attend this training. To register by phone, please call (618) 296-6079 or e-mail [kasemanisin@co.madison.il.us](mailto:kasemanisin@co.madison.il.us).

If an employee is interested in becoming a licensed pesticide applicator, please call the University of Illinois Extension's Pesticide Applicator Training (PAT) program at (800) 644-2123 for clinic dates and locations.

## 2014 Great River Road Litter Cleanup

# Great River Road Litter Clean Up

Alton to Grafton

May 31, 2014  
10am - 12pm

Large Groups Welcome

## Choose from 7 places to start:

- Piasa Park, near Alton
- Clifton Terrace Park
- Stanka Lane Parking Area
- Piasa Harbor's Convenient Store Parking Lot
- Across the street from Piasa Harbor (heading up Lockhaven Rd. towards Beltrees Rd.)
- Elsay's Front Parking Lot
- Grafton's Visitor's Center

## Be prepared:

**You:** Wear layers, gloves, & shoes you can get muddy

**We will bring:** T-shirts, lunch, water, & bags

**Lunch details:** Lunch will be provided at 12pm at the Piasa Harbor Pavilion, in the same area as the convenience store. Please RSVP to ensure enough food is ordered. If you are a vegetarian, please let us know in advance.

**Education After Party:** learn about watersheds and water quality. Hands on watershed education presented by National Great Rivers Research and Education Center

RSVP with # in your group and preferred starting location

[christine.favilla@sierraclub.org](mailto:christine.favilla@sierraclub.org)  
618.462.6802

## SPONSORS & PARTNERS



The National Great Rivers  
Research & Education Center

## 2014 Community Clean-up Days

# EAGLE PARK COMMUNITY CLEAN-UP DAYS

## Dates:

**Friday, May 2nd &  
Saturday, May 3rd  
7:30 am - 2:30 pm**

## Drop-off Items at:

**Lot at  
209 Watson Rd.  
Madison, IL 62060**

## REMINDER

Clean Up Days are for  
Eagle Park residents **ONLY**;  
**ID required**

For more information or  
please call:

**618-296-4669**

## ITEMS ACCEPTED:

- Household waste
- Mattresses
- Furniture
- Household Garbage
- Demolition Debris
- Microwaves
- Small appliances

**FREE!**

## NOT ACCEPTED:

- Landscape Waste
- Tires
- Paint
- Electronics (see info sheet)
- Business/Contractor Waste
- Hazardous Waste/Chemicals
- Medical Waste
- Oils
- Fire Extinguishers



Sponsored by: IEPA, Madison County Planning & Development,  
& Venice Township Highway Department, Robert Wiley, Commissioner

# MEADOWBROOK COMMUNITY CLEAN-UP DAYS

## Dates:

**Friday, May 2nd &  
Saturday, May 3rd  
7:30 am - 2:30 pm**

## Drop-off Items at:

**Ft. Russell Township  
Highway Shed  
112 Clover St.  
Moro, IL**

## REMINDER

Clean Up Days are for  
Meadowbrook residents **ONLY**;  
**ID required**

For more information or  
assistance for  
disabled or elderly curbside pick-up,  
please call:

**618-377-8801**

## ITEMS ACCEPTED:

- Mattresses
- Furniture
- Household Garbage
- Demolition Debris
- Electronics
- Microwaves
- Small appliances

**FREE!**

## NOT ACCEPTED:

- Landscape Waste
- Tires
- Paint
- Air Conditioners
- Business/Contractor Waste
- Hazardous Waste/Chemicals
- Medical Waste
- Oils
- Fire Extinguishers



Sponsored by: IEPA, Ft. Russell Highway Department, Todd Shaw, Commissioner, &  
Madison County Board, Alan J. Dunstan, Chairman

## 2014 Prescription Drug Take Back

# Got Drugs?



LOOKING FOR A SAFE AND SECURE  
PLACE TO TURN IN YOUR UNUSED OR  
EXPIRED MEDICATION?

Madison County Sheriff's Department  
Alton Police Department  
Bethalto Police Department  
Collinsville Police Department  
Edwardsville Police Department  
Fairmont City Police Department  
Highland Police Department  
Maryville Police Department  
Troy Police Department

405 Randle St., Edwardsville  
1700 East Broadway, Alton  
213 N. Prairie St., Bethalto  
200 W. Clay St., Collinsville  
400 N. Main St., Edwardsville  
2601 N. 41<sup>st</sup> St., Fairmont City  
820 Mulberry St., Highland  
2500 N. Center St., Maryville  
116 E. Market St., Troy

692-1064  
463-3505  
377-5266  
344-2131  
656-2131  
274-4504  
654-2131  
344-8899  
667-6731



Madison County State's Attorney  
Tom Gibbons  
[www.madco-sa.org](http://www.madco-sa.org)  
618.692.6280

# National Prescription Drug Take-Back Day

**SATURDAY, APRIL 26, 2014**  
**10:00 A.M. - 2:00 P.M.**

**Drop off your unused or expired prescription or over-the-counter medications at the DEA Take-Back Day on Saturday, April 26, 2014.**

**Disposal bins will be located in the parking lot behind the County Administration Building,  
157 N. Main St., Edwardsville**



**LOCK  
YOUR  
MEDS™**

**For more information, visit [www.madco-sa.org](http://www.madco-sa.org)**



#### **Sponsored by:**

- **State's Attorney Tom Gibbons**
- **Sheriff Bob Hertz**
- **Coroner Steve Nonn**
- **Drug Free Coalitions of Madison County**
- **U.S. DEA**

**FREE lock bags to safely store meds to first 25 drop-offs!**

#### **Other Participating Agencies Include:**

- **Edwardsville Police Department**
  - **Glen Carbon Police Department**
  - **SIUE Police Department**
  - **Bethalto Police Department**
  - **Highland Police Department**
- Please contact agency for specific locations and times

# National Prescription Drug Take-Back Day

**Saturday, September 27, 2014**

**10:00 a.m. — 2:00 p.m.**

Drop off your unused or expired prescription or over-the-counter medications at the DEA Take-Back Day on Saturday, September 27, 2014.

Disposal bins will be located in the parking lot behind the County Administration Building, 157 N. Main St., Edwardsville.



**LOCK  
YOUR  
MEDS™**

**FREE lock bags to  
safely store meds to  
first 25 drop-offs!**

Sponsored by State's Attorney Tom Gibbons,  
Sheriff Bob Hertz, Coroner Steve Nonn,  
Drug Free Coalitions of Madison County and  
the U.S. DEA.

*For more information, visit [www.madco-sa.org](http://www.madco-sa.org).*

## 2014 Hazardous Waste Collection



# DO YOU HAVE ANY HAZARDOUS WASTE?

**BRING US YOUR HOUSEHOLD HAZARDOUS WASTE FOR FREE**

Acceptable waste includes:

- Oil based paint
- Paint thinners/strippers
- Gas or oils
- Degreasers
- Yard/Pool chemicals
- Fluorescent bulbs
- Hobby chemicals
- Medicines
- Household cleaners
- Mercury

**WHEN: Saturday, May 31st, 2014  
8:00 am - 3:00 pm**

**WHERE: Phillips 66 Wood River Refinery  
closest address-  
1900 Edwardsville Rd. Wood River, IL  
(entrance is off Rt. 143 one block east  
of Shop n' Save)**

**WHO: Any Illinois Resident**

No tires, electronics, latex paint, explosives, fire extinguishers, business, or biohazard waste accepted. For information, call (618)296-4468.

Sponsored by: IEPA, Phillips 66 Wood River Refinery,  
& Madison County, Alan J. Dunstan, Chairman



County: Madison

**Wood River**

May 31, 2014

Funded By: IEPA

Cosponsors: Madison County; Phillips 66 Wood River Refinery

Contact Person: Leah Dettmers

School: n/a

Contractor: Heritage Environmental Services, LLC

Population:	258,941
# Attending:	722
Households Participating:	722
Eligible Households:	101,953
% Households Participating:	0.71%

<b>Waste Amounts Collected:</b>	<b>#55 gal Drums</b>	<b>Percent</b>	<b>Disposal Methods</b>
Oil Base Paints:	19.00	7.28%	Fuel Blended
Latex Paints:	7.00	2.68%	Recycled/Fuel Blended
Flammable Solvents:	16.00	6.13%	Fuel Blended/Incinerated
Anti-Freeze:	2.00	0.77%	Recycled/Fuel Blended
Adhesives, Sealers and Flam. not Bulked:	84.41	32.35%	Fuel Blended/Incinerated
Corrosives:	20.27	7.77%	Treated
Poisons and Pesticides:	44.44	17.03%	Treated/Incinerated
Oils:	30.00	11.50%	Recycled/Fuel Blended
Oxidizers:	0.18	0.07%	Treated/Incinerated
Aerosol Paints:	22.02	8.44%	Recycled/Incinerated
Aerosol Poisons:	4.00	1.53%	Incinerated
Household Batteries:	1.36	0.52%	Recycled/Landfilled
Fluorescent Lamps:	8.25	3.16%	Recycled
Mercury:	0.55	0.21%	Treated/Recycled
Asbestos:	1.00	0.38%	Landfilled
Others:	0.45	0.17%	Treated/Incinerated
Totals:	260.93		

**How did you hear about the collection**

Newspaper	202
Flyer	61
T.V.	119
Radio:	119
Internet/E-mail	119
IEPA	0
Word of Mouth	47
Other:	142

**Additional Items**

Cell Phone

HHW Collection Cost:	\$65,867.00
Cost per Household:	\$91.23
School Cost:	\$0.00
Total Cost:	\$65,867.00
Cosponsor Contribution:	\$0.00

**Friend's/neighbor's waste?**

Yes	0
No	722

Cosponsors

## 2014-2015 Christmas Tree Recycling

<u>Vicinity</u>	<u>Drop-off sites</u>	<u>Curbside Pick-up Information</u>
<p><b>Village of Alhambra</b></p>	<p>Maintenance Shed 421 Elm Street Alhambra, IL 62001</p>	<p>N/A</p>
<p><b>City of Alton</b></p> <p>Public Works, 618-463-3580</p>	<p>Milton Park South End of Aberdeen Alton, IL 62002</p> <p>Northside Park 201 Rozier Alton, IL 62002</p> <p>James Killion Park at Salu Salu/Washington Ave Alton, IL 62002</p> <p>Haskell Park 1211 Henry St. Alton, IL 62002</p> <p>Riverview Park Bluff St. Alton, IL 62002</p>	<p>N/A</p>
<p><b>Village of Bethalto</b></p>	<p>N/A</p>	<p>Contact for pick-up: Jay Kilmer 618-377-8013</p>
<p><b>City of Collinsville</b></p> <p>Rod Cheatham, Street Superintendent 618-346-5214</p>	<p>Collinsville Public Works Garage 850 South Morrison St. Collinsville, IL 62234</p> <p>Collinsville Sports Complex (Gravel Parking Lot) 198 Complex Drive Collinsville, IL 62234</p> <p>Woodland Park (Maintenance Garage off Oliver) 302 Pine Lake Rd. Collinsville, IL 62234</p>	<p>N/A</p>
<p><b>Collinsville Township</b></p>	<p>Collinsville Township Garage 1407 N. Bluff Rd (Highway 157) Collinsville, IL 62234</p>	<p>Contact for pick-up: Larry Trucano, Highway Commissioner 618-344-0013 <i>(Unincorporated township residents only)</i></p>
<p><b>Chouteau Township</b></p> <p>Ron Hogue, Highway Commissioner 618-931-6333</p>	<p>Chouteau Township Highway Garage 906 Thorngate Dr. Granite City, IL 62040</p>	<p>N/A</p>

<u>Vicinity</u>	<u>Drop-off sites</u>	<u>Curbside Pick-up Information</u>
<b>Village of East Alton</b>	Municipal Garage 331 Playground Ct. East Alton, IL 62024	Contact for pick-up: 618-259-8069 <i>(Villages Residents only)</i>
<b>City of Edwardsville/ Edwardsville Township</b>	Winston Brown Rec. Complex (West end of parking lot) 1325 Schiller Ave. Edwardsville, IL 62025  Robert Stille Township Park 6368 Center Grove Road Edwardsville, IL 62025	N/A
<b>Foster Township</b>  Bob Denother, Highway Commissioner 618-259-7030	Foster Township Highway Garage 2916 4 <sup>th</sup> St. & Fosterburg Rd. Alton, IL 62002	N/A
<b>Ft. Russell Township</b>  Todd Shaw, Highway Commissioner 618-377-8801	Ft. Russell Township Highway Garage 112 Clover Moro, IL 62067	N/A
<b>Village of Glen Carbon</b>  Mike Govreau, Public Works Director 618-288-1200	Citizens Park Daenzer St. Glen Carbon, IL 62067	N/A
<b>Village of Godfrey</b>  Public Works 618-466-4319	Village of Godfrey Street Department 6212 Godfrey Rd. Godfrey, IL 62034	N/A
<b>Village of Grantfork</b>	Maintenance Shed South End of Lynn St. Grantfork, IL 62249	N/A
<b>Granite City</b>  Dave Williams, Director 618-877-3059	Granite City Parks Dept. 29 <sup>th</sup> Street Turn Around Granite City, IL 62040	N/A
<b>Hamel Township</b>  Rich Gusewelle, Highway Commissioner 618-633-2605	Hamel Township Highway Dept. 403 N. Old U.S. Route 66 Hamel, IL 62046	N/A

<u><i>Vicinity</i></u>	<u><i>Drop-off sites</i></u>	<u><i>Curbside Pick-up Information</i></u>
<b>Helvetia Township</b>  Randy Gelly, Highway Commissioner 618-654-8123	Helvetia Township Highway Department 12466 Buckeye Rd. Highland, IL 62249	N/A
<b>Leef Township</b>  Kevin Rutz Highway Commissioner 618-675-3565	Leef Township Garage 12905 Niggli Rd. Highland, IL 62249	N/A
<b>Village of Livingston</b>	Olive Township Shed 8363 E. Frontage Rd. Livingston, IL 62058	N/A
<b>Marine Township</b>  Roger Kampwerth, Highway Commissioner 618-887-4021	Marine Township Highway Department 620 N. Vernon Marine, IL 62061	N/A
<b>Village of Maryville</b>  Patrick Presson, Public Works Director 618-345-7028 ext 5	Water Tower (Just off of Lakeview Acres Rd.) #1 Water Tower Ln. Maryville, IL 62062	Contact for pick-up: Clint Jones 618-346-5274 ext 2 (Pick up the 1 <sup>st</sup> consecutive Monday and Tuesday of every month)
<b>Moro Township</b>  Pat Cooper, Highway Commissioner 618-377-3094	Moro Township Highway Department 117 Montgomery Moro, IL 62067	N/A
<b>Nameoki Township</b>  Don Moore, Highway Commissioner 618-931-1290	Nameoki Township Highway Department 4250 Highway 162 Granite City, IL 62040	N/A
<b>Olive Township</b>  Robert Chulka, Highway Commissioner 618-637-2938	Olive Township Highway Dept. 8363 Frontage Rd New Douglas, IL 62074	N/A
<b>Omphgent Township</b>  Jeff Wolbert, Highway Commissioner 618-459-7188	Omphgent Township Shed 251 W. Ahrens St. Worden, IL 62097	N/A
<b>Pin Oak Township</b>  Robert Helms, Highway Commissioner 618-656-1621	Pin Oak Township Highway Department 3702 Tosovsky Lane / I-55 & Rt. 143 Edwardsville, IL 62025	N/A

<u><i>Vicinity</i></u>	<u><i>Drop-off sites</i></u>	<u><i>Curbside Pick-up Information</i></u>
<p><b>Saline Township</b>            Bryan Rutz,            Highway Commissioner            618-654-7649</p>	<p>Saline Township            Highway Shed            3642 George            Highland, IL 62249</p>	N/A
<p><b>Village of South Roxana</b></p> <p>Dwight Duke,            618-254-7028</p>	<p>South Roxana            Public Works Department            Dead End of Sinclair Ave.            South Roxana, IL 62087</p>	N/A
<p><b>Venice Township</b></p> <p>Robert Wiley,            Highway Commissioner            618-452-1121</p>	<p>Eagle Park            208 Watson            Madison, IL 62060</p>	N/A
<p><b>City of Wood River</b></p> <p>Steve Palen,            Public Works Director            618-251-3122</p>	<p>City Garage            (Located near water tower)            Rt. 143 &amp; 14<sup>th</sup> St.            Wood River, IL 62095</p>	N/A
<p><b>Wood River Township</b></p> <p>Mark Gernigin            Highway Commissioner,            618-259-2490</p>	N/A	<p>Contact for pick-up:            618-259-2490  <i>(Township residents only)</i></p>

## I-LEAD Leadership Conference - Cleanup

**FOR IMMEDIATE RELEASE**

**COLLINSVILLE - AUGUST 4, 2014** – More than 150 students from colleges and universities nationwide volunteered their services to make a difference at Willoughby Heritage Farm & Conservation Reserve in Collinsville, and Arlington Wetlands in Pontoon Beach. The event was organized through SIUE with a collaborative partnership with Madison County Planning and Development, Collinsville Area Recreation District, Lewis & Clark Community College, Heartlands Conservancy, and community volunteers. The students participated in the I-LEAD Leadership Conference (affiliated with ACUI) and then stepped out into the community to lend a hand. The students cleared brush, cleaned up trails, and removed exotic invasive species to help restore our native habitats: prairie, wetland and woodland areas.

# Upper Silver Creek Watershed Plan

# Upper Silver Creek Watershed Plan



Photo of Silver Creek near  
Fruit Road.



## Overview of Plan

The Upper Silver Creek Watershed Plan is a tremendous opportunity to create a long-term vision to improve water quality and reduce the impacts of flooding in the Silver Creek watershed. The two year planning process will bring together technical analysis and stakeholder and public input to develop a watershed-based plan. The Watershed Plan will be a roadmap for a healthier watershed, with public input shaping how current and potential watershed issues and opportunities are met. This plan will complement Madison County's Stormwater Plan. Major components of the plan and process include:

### Watershed Resource Inventory

The watershed resource inventory essentially reviews the existing conditions within the watershed. The inventory will document existing conditions in Silver Creek and its tributaries including channelization, erosion, and riparian area condition. Information including existing soil types, demographics, land use / land cover, geology, and climate will also be collected. Existing pollutant loads of nitrogen, phosphorus, and sediment will be estimated from existing land uses.

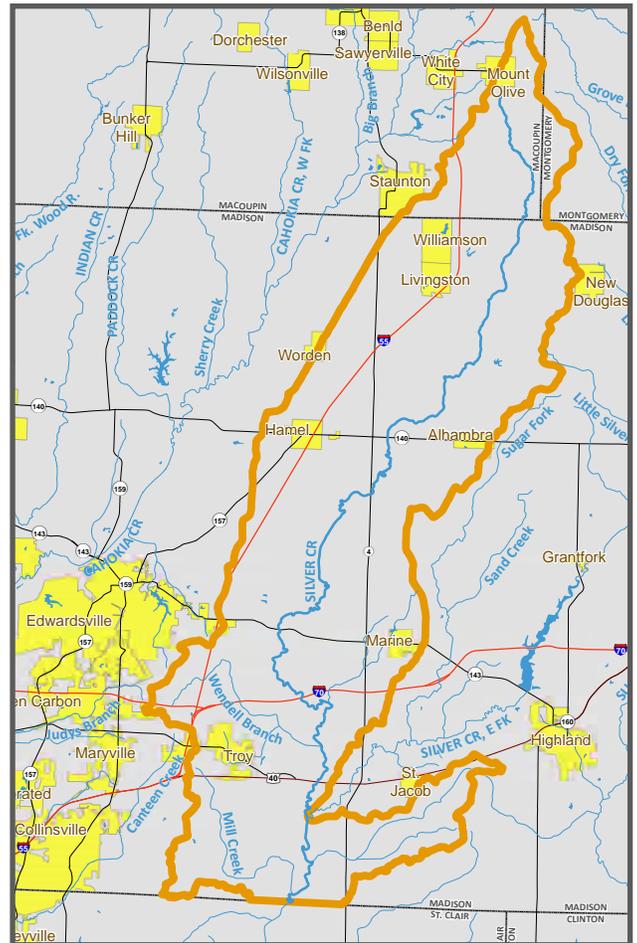
### Watershed-Based Plan

Based on the watershed resource inventory and input from stakeholders and the public, a watershed-based plan will be developed. The plan will identify potential best management practices for prevention, remediation, restoration, and maintenance to achieve water quality, natural resources, and flood control objectives.

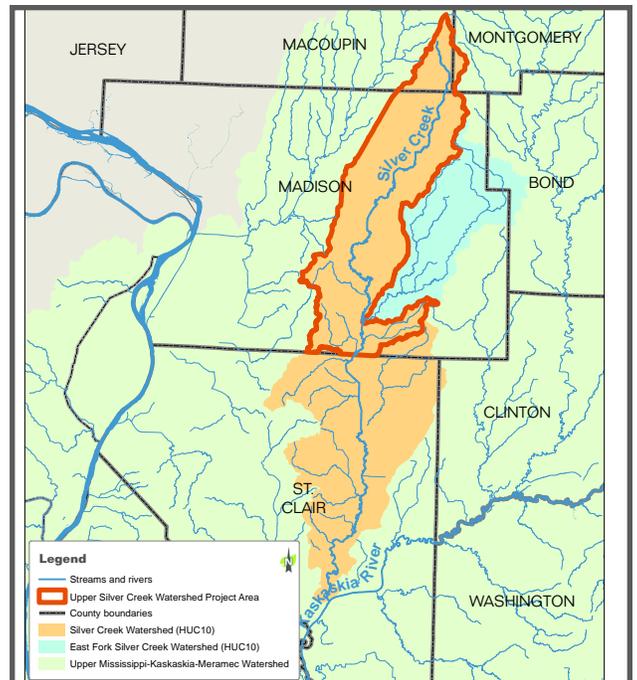
Best management practices will be recommended based on the results of the inventory. Some potential examples include: streambank stabilization, conservation tillage, rain gardens, conservation reserve programs, and policy changes. The plan will identify approximate costs of recommendations, a potential schedule for implementation, and funding sources.

### Public and Stakeholder Involvement

A key part of the plan will be involving elected officials, community groups, the public, and landowners in the planning process. Individual and small group stakeholder meetings will take place during the summer of 2014. Open house events for the public will take place in August, 2014. Follow-up meetings will occur in 2015. In addition, in the fall of 2014, a mailed and online survey will be sent to a cross section of residents with a focus on identifying areas of flooding.



Project area of the Upper Silver Creek Watershed Plan. The planning area includes multiple communities in Madison and portions of Macoupin and Montgomery counties.



Upper Silver Creek planning area in context of surrounding counties.

## Questions & Answers

# About the Upper Silver Creek Watershed Plan & Planning Process

### ***Why is this Watershed Plan being done?***

The plan is an opportunity to identify strategies to improve water quality and reduce the impacts of flooding in the watershed. By documenting existing conditions and developing recommendations and strategies for best practices to improve water quality and to reduce flooding, the plan will be a roadmap for communities, agencies, and landowners for future improvements. The plan will also identify potential sources of funding. Improved water quality provides for healthier community water supplies, increased opportunities for recreation, and healthy habitats. Flooding has tremendous costs such as damage to homes, business, and infrastructure such as roadways. Strategies for mitigating flooding will help reduce costs for homeowners, businesses, and taxpayers.

### ***Will the public be involved in the planning process?***

Yes! The public will be involved in a number of ways. First, there will be individual and small group stakeholder meetings during the summer of 2014. Stakeholders will include elected officials, community and civic groups, and landowners. There will also be public open house events in late summer, 2014. In 2015, there will be follow-up meetings with stakeholders and the public as the draft plan is developed.

### ***Will this study solve flooding problems in our communities and in the Upper Silver Creek?***

Solving all flooding problems will not happen overnight. Long term strategies will be needed to reduce flooding impacts in the watershed. This plan will be an important step in the process, especially with a mailed and online survey in the fall of 2014 that will help identify areas of flooding that occur outside of designated floodplains. Additional study and analysis will likely be a key outcome of this process. This plan will also compliment Madison County's Stormwater Plan.

### ***Will the Watershed Plan commit communities and landowners to implementation?***

This is a very common question. The plan will present recommendations for best management practices such as improvement projects or updated policies. It will be up to the communities and individual land-owners to implement the recommendations. The plan will identify sources of funding and partners that can assist in implementation. An example of an existing voluntary program is the Conservation Reserve Enhancement Program (CREP). CREP is a federal, state, and local natural resource partnership. Through CREP, program participants receive financial incentives from USDA's Farm Service Agency and the state of Illinois to voluntarily enroll land in the program.

### ***Who are the partners involved with the Watershed Plan?***

There are multiple partners already involved including Madison County, HeartLands Conservancy, the National Great Rivers Research & Education Center, Illinois EPA, and Madison County Soil & Water Conservation District. We expect many partners will become involved over the course of the process.

For more information on the Upper Silver Creek Flooding Plan or to be on our mailing list, please contact Janet Buchanan at HeartLands Conservancy, (618) 566-4451 ext. 25, or [janet.buchanan@heartlandsconservancy.org](mailto:janet.buchanan@heartlandsconservancy.org).

# Schedule: Upper Silver Creek Watershed Plan

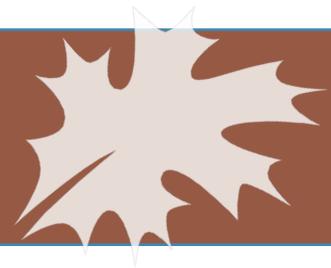
## Summer 2014

- Small group stakeholder meetings with elected officials, mayors, civic groups, and land owners.
- Public open houses in August.
- Draft Watershed Resource Inventory (Existing Conditions Report).



## Fall 2014

- Final Watershed Resource Inventory (Existing Conditions Report).
- Draft priority or issues and areas of focus.



## Winter 2014 - 2015

- Develop recommended best management practices (BMPs).
- Refine priority list of issues and areas of focus.



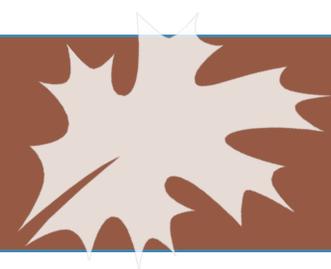
## Spring / Summer 2015

- Draft Watershed-Based Plan.
- Follow-up meetings with stakeholders.
- Public open houses to review Watershed-Based Plan.
- Finalize best management practices (BMPs) and priority areas.
- Comments and revisions to draft Watershed-Based Plan.



## Fall 2015

- Final Watershed-Based Plan.
- Future implementation.





Community Flooding in the Upper Silver Creek



Agricultural Flooding in the Upper Silver Creek

# We Want Your Input!

Join us at one of two Open Houses for the Upper Silver Creek Watershed Plan.

At the open houses you can:

- Provide your input on goals and strategies for water quality and flooding issues in the watershed.
- Learn more about the overall watershed plan.
- Assist the planning team in identifying locations of existing flooding problems.

Who Should Attend?

- Community Officials
- Land Owners
- Home Owners
- Business Owners
- Those interested in the Upper Silver Creek Watershed

Learn more at:

[www.HeartLandsConservancy.org/UpperSilverCreek](http://www.HeartLandsConservancy.org/UpperSilverCreek)

**Tues., August 19th**

**OPEN HOUSE #1**

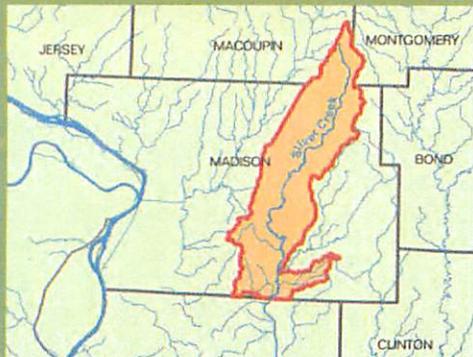
Troy City Hall  
116 E. Market St.  
Troy, IL 62294  
6:00 - 9:00 pm

**Wed., August 20th**

**OPEN HOUSE #2**

Hamel Community Center  
10 Park Avenue  
Hamel, IL 62046  
6:00 - 9:00 pm

Open house format with no formal presentation, feel free to stop by anytime between 6:00 - 9:00 pm. Information will be the same at both meetings. For more information, contact Janet Buchanan at 618-566-4451 ext. 25



## Take 7 Minutes and Complete Our Survey!

[www.surveymonkey.com/s/UpperSilverCreek](http://www.surveymonkey.com/s/UpperSilverCreek)

The community flooding survey for homes, businesses, and property owners in the Upper Silver Creek will help in determining strategies and recommendations for addressing flooding problems in the Silver Creek Watershed.

*(Survey open until September 12, 2014)*

# Upper Silver Creek Watershed Plan



# EXECUTIVE SUMMARY

This report summarizes the findings of the Madison County Community Flood Survey, which was distributed to homeowners and business owners in the Upper Silver Creek Watershed to gather information about the location, extent, impacts, and causes of flooding in the watershed.

A total of 477 surveys were completed from within the study area out of 2,000 mailed out, giving a response rate of 24%. Some of these were collected via an online survey.

A watershed is an area that drains to a defined point. Watersheds are defined at a variety of scales for different purposes. For management and analysis purposes, the Upper Silver Creek Watershed is defined by smaller hydrologic units between up-stream and down-stream points. Each unit has a unique 14-digit hydrologic unit code (HUC), and these units are informally called HUC14 subwatersheds. Thirty percent (30%) of survey respondents were within the HUC14 subwatershed that contains Troy, 07140204050603. All HUC14 subwatersheds had at least 2 respondents.

## Key Findings

- **PREVALENCE:** Over a quarter of respondents (26%) experienced flooding in the last 10 years.
- **FREQUENCY:** 55% of respondents with flooding experienced flooding at least once per year in the last 10 years. On average, respondents with flooding experience 2.7 floods per year.
- **EXTENT OF DAMAGE:** Of those who had been flooded in the last 10 years:
  - 45% said that the flooding had damaged their primary home or business;
  - 43% had damage to fences, auxiliary buildings, and other structures; and
  - 46% had damage to yards and landscaping.
- **NEIGHBORS:** Half of all survey respondents were aware of flooding on one or more of their neighbors' properties. Of the survey respondents who had been flooded, half said that their neighbors had also been flooded.
- **TOP FOUR CAUSES OF FLOODING:**
  1. Heavy rainstorms
  2. Water draining from a neighboring property
  3. Flooding from a nearby river, stream, lake, ditch, or pond
  4. Blocked or unmaintained pipe, culvert, or ditch
- **REPORTING:** Over half of respondents who had flooding did not report it to anyone. Those that did report it were most likely to contact their city or village (18%) or their township (13%).
- **EFFECTS FROM FLOODING:** Stress was the most commonly reported impact from flooding. Others included loss of access to property, including loss of access to major entry/exit routes to their homes; lost business income; crop damage; and repair and replacement costs of goods and structures.



- **MONETARY LOSS:** Two-thirds who reported a monetary loss said their monetary loss over 10 years was less than \$5,000. Another 24% said that the loss was between \$5,000 and \$20,000. Two respondents (4% of those who answered) said their losses were between \$100,000 and \$500,000.

Respondents reported a total of at least \$330,016 in costs due to flooding over the last 10 years. Each respondent who reported a cost paid at least \$6,471 over 10 years. The average cost paid was \$18,579 over 10 years. It is estimated that about \$42,902,080 was lost due to flooding over the last 10 years in the Upper Silver Creek Watershed.

**\$43 Mill**  
LOST DUE TO  
FLOODS IN LAST 10  
YEARS

- **RELATIONSHIP TO FLOODPLAINS:** Floodplains designated by the Federal Emergency Management Agency (FEMA) constitute close to 11% of the total acreage in the Upper Silver Creek Watershed within Madison County, and 13% of the survey responses came from parcels wholly or partly within a FEMA-designated floodplain. However, 10% of survey respondents did not know that they lived or owned property in a FEMA-designated floodplain.

- **FLOODING OUTSIDE OF THE FLOODPLAIN:** Flooding does not always occur in floodplains in the watershed. Respondents reported that approximately 146 events per year occur outside of FEMA-designated floodplains in the watershed. Within floodplains, approximately 88 flood events per year were reported.

60% FLOODS  
OUTSIDE A  
FLOODPLAIN

- **FLOOD INSURANCE:** Fourteen percent (14%) of respondents have flood insurance.

- **FLOOD INSURANCE CLAIMS:** Eight percent (8%) of people who have flood insurance (5 respondents) have made one or more claims. Of those respondents who have flood insurance, 54 (82%) have it on structures that are not in a floodplain.

5%  
USE RAINWATER  
HARVESTING

- **DOWNSPOUTS:** Ninety percent (90%) of respondents said their downspouts flow out onto their lawn or other ground surface. Five percent (5%) of respondents said their downspouts were connected to cisterns, rain barrels, or other rainwater harvesting storage, and the remaining 5% said they were connected to storm sewers.

- **ACTIONS TAKEN TO PREVENT FLOODING:** 138 respondents made one or more improvements to try to prevent or reduce flooding on their properties.

- **CROPLAND FLOODING:** Six percent (6%) of all survey respondents own cropland that has flooded. Two-thirds of these respondents said that the cropland had flooded 6-10 times in the last 10 years.
- **VALUING WATER MANAGEMENT:** Respondents to the survey place high value on clean drinking water, prevention of flood damage, water-based recreation, and healthy ecosystems (in that order).
- **FLOODING “HOTSPOTS”:** Three (3) HUC14 subwatersheds, 07140204050401, 07140204050304, and 07140204050101, were reported “hotspots” for flooding in the Upper Silver Creek Watershed. These hotspots were determined based on a simple ranking/prioritization tool that considers percentage of respondents reporting flooding, frequency of flooding, occurrences of neighbors’ flooding, and monetary loss due to flooding. However, these HUC14s also had a low number of respondents (6, 17, and 2, respectively).