

## **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 2018-2019 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. Each community submitted an NOI in 2016 when the General Storm Water Permit for MS4s was reissued. As stated in the 2003, 2008, 2009, and 2016 NOI, each Co-Permittee Member identified certain activities to comply with the Phase II requirements. Below is an abbreviated summary of the BMPs that were written in the NOI for each of the minimum control measures.

### **March 2018-March 2019:**

- 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.2.c-** Each community is to provide a minimum of (1) public meeting annually for the public to provide input as to the adequacy of the permittee's MS4 program.
- 6) **B.3-** The Co-Permittee group met (4) times throughout the year to provide training and updates on various topics.
- 7) **B.6-** Each community was made aware of County sponsored events. Madison County was responsible for program development and coordination.

- 8) **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.
- 9) **C.1-** Communities were to review outfall map completeness and update revised or new storm sewer systems.
- 10) **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.
- 11) **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.
- 12) **C.7-** Communities were to conduct illicit discharge inspections of facilities and outfall points. Illicit discharge detection training was included during one quarterly meeting.
- 13) **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.
- 14) **D.5-** Madison County continued to maintain a stormwater hotline number to address public concerns related to stormwater issues.
- 15) **D.6, E.5-** The County provided continuing education opportunities for Co-Permittee members.
- 16) **F.1-** Provide training for employees whose work may impact stormwater runoff.
- 17) **F.2-** Evaluate storm water quality and impact with quarterly visual inspections of outfall points.
- 18) **F.3-** Communities are to review and update O&M manuals annually. Operations training was provided during a quarterly meeting.
- 19) **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, 2018 To March, 2019

Permit No. ILR40 0160

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

Name: VILLAGE OF GODFREY Mailing Address 1: 6810 GODFREY ROAD  
Mailing Address 2: \_\_\_\_\_ County: Madison  
City: GODFREY State: IL Zip: 62035 Telephone: 618-466-4319  
Contact Person: JOHN UHL Email Address: ENGTECH@GODFREYIL.ORG  
(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

#### 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))**

  
Owner Signature:

MICHAEL J. MCCORMICK

Printed Name:

5/15/19  
Date:

MAYOR

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



COMMUNITY NAME: Village of GodfreyPERMIT #: ILR400160

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

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 Village has stormwater brochures available to residents at the Village Hall and on the Village website.			X	The Village will continue to make brochures available through the upcoming permit cycle.	Ongoing through 2016-2021 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 Mississippi EarthTones Festival, the Riverbend Earth Day Festival, and the Grow Native Event.	See Page 10 and Exhibits A.4-A to A.4-D for more information.		X	The County will continue to attend at least two water related events per year.	Ongoing through 2016-2021 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 Village will work with the County to coordinate educational opportunities.	Ongoing through 2016-2021 permit cycle.
<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.	

COMMUNITY NAME: Village of GodfreyPERMIT #: ILR400160

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

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
<b>BMP No. B.2.c- Public Involvement /Participation</b>							
Milestone For Reporting Year: Schedule one public meeting per year where residents can provide input on existing stormwater programs.							
	X	The Village of Godfrey discussed their MS4 program at a public meeting held on February 5, 2019			X	The Village will continue to provide an annual public meeting.	Ongoing through 2017-2021 permit cycle.
<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 2018-2019 permit year. Meetings were held:  - June 13, 2018 - September 19, 2018 - December 12, 2018 - March 27, 2019  Representatives from the Village attended all meetings.	See Page 10 and attached Exhibit B.6/ F.1-A for review of meetings and topics.		X	The Village will continue to meet with the Co-Permittee Group to share BMPs and training opportunities.	Ongoing through 2016-2021 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, Electronic Waste Collection, and Christmas Tree Recycling.	Review of Program Material (See Page 11)		X	The Village will continue to participate in and promote programs related to stormwater activities.	Ongoing through 2016-2021 permit cycle.
<b>BMP No. C.1- Storm Sewer Map Preparation</b>							
Milestone for Reporting Year: Collect all available outfall mapping data							
	X	The Village is 100% complete with their outfall mapping program.			X	The Village will review map completeness and update with revised or new storm sewer systems.	Ongoing through 2016-2021 permit cycle.

COMMUNITY NAME: Village of GodfreyPERMIT #: ILR400160

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

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>BMPs No. C.2, C.9- Regulatory Control Program- Ordinance language for Illicit discharge/public notification</b>											
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 Village's Stormwater Ordinance contains a section on illicit discharge. It is displayed on the Village's website under Village's Ordinance (Muni Code) Chapter 29 - Section 1.8.3.					X	Enforce illicit discharge ordinances regularly.		
			Changes to ordinances on illicit discharges will be delayed until the completion of the Madison County Stormwater Master Plan. The plan is currently in development.								
<b>BMP No. C.5- Inlet Stenciling</b>											
Milestone for Reporting Year: Complete a survey sample of inlet markers installed previously and assess conditions.											
		X	The Village is 50% complete with their inlet stenciling. 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	The Village will continue to work to complete their inlet stenciling while replacing missing and worn inlet markers.	Ongoing through 2016-2021 permit cycle.	
<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 at the June 13, 2018 quarterly meeting.					X	Continue to conduct inspections of Village facilities and outfall points.	Ongoing through 2016-2021 permit cycle.	

COMMUNITY NAME: Village of GodfreyPERMIT #: ILR400160

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

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>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 Village's Stormwater Ordinance contains sections on construction site runoff control. It is displayed on the Village's website under Village's Ordinance (Muni Code) Chapter 29 - Section 1.8.4.  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 12, 2018 quarterly meeting.  The Village attended the meeting.			X	Continue to attend training as part of Co-permittee group.	Ongoing through 2016-2021 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 2016-2021 permit cycle.
<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	The Village has one CESSWI certified inspectors, but no Certified Floodplain Managers on staff. Staff attends inspection of construction sites throughout the year.  Review for CESSWI requirements and continuing education opportunities for Co-Permittee members was provided during quarterly meetings.			X	Madison County and the Co-Permittee group will continue to explore opportunities for additional training seminars.	Ongoing through 2016-2021 permit cycle.

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IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

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. 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 Madison County Health Department held Larvicide Application Training for municipalities and townships on April 26, 2018 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 2016-2021 permit cycle.	
<b>BMP No. F.2- Monitoring, Sampling, &amp; Inspection Requirements - Inspection and Maintenance Program</b>											
Milestone for Reporting Year: Evaluate storm water quality and impacts with quarterly visual inspections of outfall points.											
		X	The document is located at the Godfrey Village Hall in the Engineer Technician office 1 <sup>st</sup> Quarter Test on: May 09, 2018 2 <sup>nd</sup> Quarter Test on: June 26, 2018 3 <sup>rd</sup> Quarter Test on: October 31, 2018 4 <sup>th</sup> Quarter Test on: December 13, 2018					X	Continue to conduct inspections of Village facilities and outfall points.	Ongoing through 2017-2021 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	Stormwater operation procedures were reviewed during the permit year and modified on February 28, 2019.					X	Operation procedures will be reviewed annually and modified as appropriate.	Ongoing through 2016-2021 permit cycle.	

COMMUNITY NAME: Village of GodfreyPERMIT #: ILR400160

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

**ADDITIONAL INFORMATION**

<b>BMP A.4</b>	<b>Water Quality Oriented Public Events - Water Festival</b>
	See attached Exhibit A.4-A.
<b>BMP A.4</b>	<b>Water Quality Oriented Public Events - Mississippi Earthtones Festival</b>
	See attached Exhibit A.4-B.
<b>BMP A.4</b>	<b>Water Quality Oriented Public Events - Riverbend Earth Day Festival</b>
	See attached Exhibit A.4-C.
<b>BMP A.4</b>	<b>Water Quality Oriented Public Events - Grow Native Event</b>
	See attached Exhibit A.4-D.
<b>BMP A.6</b>	<b>Classroom Educational Materials - Madison County Soil and Water District</b>
	<p>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.</p> <p>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>
<b>BMP A.6</b>	<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 attached Exhibit A.6 for additional details.
<b>BMP B.6/F.1</b>	<b>Stakeholder Meetings - Co-Permittee Group Training Opportunities</b>
	<p>The Madison County MS4 Co-Permittee Group held four quarterly training meetings during the 2018-2019 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.</p> <p>Madison County Health Department conducted larvicide training for municipal and township employees during 2018. See attached Exhibit B.6/F.1-B.</p>
<b>BMP B.7</b>	<b>Community Events</b>
	<p>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.</p> <p>The pharmaceutical drop-off program included twelve 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 participated in the National DEA Drug Take Back Day in April and October 2018. See attached Exhibit B.7-A.</p>



COMMUNITY NAME: Village of GodfreyPERMIT #: ILR400160

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2018 through March 2019

**ADDITIONAL INFORMATION**

<b>BMP B.7</b>	<b>Community Events</b>
	Madison County managed a Christmas Tree recycling program in conjunction with area public works and township highway departments from late December 2018 to mid January 2019. There were different locations open to the public that collected Christmas trees. The trees were chipped for mulch in and used by public works departments for parks or in ponds for fish bedding. See attached Exhibit B.7-B for additional details.
	Madison County Planning and Development sponsored an electronic waste collection in March 2019 where residents could bring home electronics, computer towers, laptops, servers, fax machines, and many other electronic items for free disposal. See attached Exhibit B.7-C.
	Madison County Sponsored a tire recycling collection in September 2018 with a total of 37 participating government entities recycled approximately 8,950 tires. See attached Exhibit B.7-D.
	Madison County sponsored a household hazardous waste collection in June and September of 2018 where Illinois residents could bring paints, gas, oils, degreasers, fluorescent bulbs, and other household hazardous waste items for free disposal. See attached Exhibit B.7-E.
<b>BMP B.7</b>	<b>Other Public Involvement</b>
	Madison County, along with Heartland Conservancy, provided various events to help educate the County on watershed plans and how they reduce flooding and improve water quality throughout the County. Major components of the events include watershed resource inventories of existing conditions, watershed based plans for improvements, and public/stakeholder involvement. See attached Exhibit B.7-F for more details.
<b>BMP B.7</b>	<b>Community Clean Up Days</b>
	Chouteau Township, City of Madison and Meadowbrook Area hosted a community clean-up day during April, May, and June of 2018. See attached Exhibit B.7-G
<b>BMP D.2</b>	<b>Erosion and Sediment Control BMP's</b>
	Madison County sponsored an Erosion and Sediment Control Field Day on March 9, 2018 to provide additional training to professionals in the community on various storm water controls. See attached Exhibit D.2-A.
<b>BMP D.6/E.5</b>	<b>Training for Construction Site Inspectors</b>
	At the June 13, 2018 co-permittee group quarterly meeting Madison County provided a training workshop for construction site inspectors providing checklists, references and information regarding construction site runoff control for various items of work, as well as information regarding IEPA's Stormwater Phase II Final Rule for Construction Site Runoff Control Minimum Control Measure. See attached Exhibit D.6/E.5-B.
<b>BMP F.1</b>	<b>Employee Training Program</b>
	Madison County attended the 2019 Illinois Association for Floodplain and Stormwater Management Annual Conference on March 13th and 14th, 2019. See attached Exhibit F.1.

## ADDITIONAL COMMUNITY ACTIVITIES

Community Name: **Village of Godfrey**

Permit #: **ILR400160**

List any additional community-sponsored activities performed between March 2018 and March 2019 not listed in *Notice of Intent (NOI)* submittal, but which addresses one of the six minimum control measures:

- Madison County facilitated year-round recycling drop-off at 7 locations within the County. Approximately 970 tons of recycling was processed during the permit year.
- Madison County managed a Christmas tree recycling program from December 26, 2018 to January 14, 2019 at different locations throughout the County. The trees were chipped for mulch and used by public works departments for parks or in ponds for fish bedding.
- Twelve police departments in the County, including the Madison County Sheriff's department, 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. The Sheriff's Department disposed of 1,600 lbs in 2018. Madison County also participated in the National DEA Drug Take Back Days in April and October 2018.
- Madison County managed a tire recycling program in conjunction with 37 municipalities on September 12 and 13, 2018. 109 tons, approximately 8,950 tires were collected.
- Madison County invited students from SIUE to participate in the annual SIUE Service Day. Approximately 650 Freshmen provided more than 2,000 volunteer service hours, throughout the County, as part of the SIUE Experience Service Day on Saturday, August 18<sup>th</sup>, 2018. The volunteers conducted trash pickup, pulled weeds, painted and performed various other chores as needed.
- The Village provides curb side recycling. The Village's website was updated with curbside recycling requirements and links to the Madison County website. Paper recycling and aluminum can collection is encouraged at Village Hall.
- The Village participated in an electronic waste collection drive at Lewis & Clark Community College on November 16 and 17, 2018. The Village sponsored an E-Waste collection at the Village hall for Godfrey residents only on September 29, 2018. The Village participated in a shred event sponsored by Madison County TRIAD and AARP on April 21, 2018.
- The Village sponsored a 5K/1 Mile Fun Run/Walk on Earth Day 2018 at Glazebrook Park.
- Arbor Day celebrations were held on April 27, 2018 in Glazebrook Park. The Village planted 39 trees at Glazebrook Park. Over 300 saplings were given out at the celebrations.
- 13 groups cleaned over 10.4 miles of streets through the Adopt-A-Highway program. The Village's Street Department completed stream clean up around the Davis Lane Bridge and Benson Lane Crossing into the Village's Sanitary Seer Lift Station. Stream clean up around Stone Ledge Drive and Stanka Lane were completed by other groups.

- The Village maintains a five 4 cubic yard dumpsters at the Public Works Facilities, Herter Industrial, Village Hall, and 2 at the Park Maintenance Building, which are all emptied weekly.
- The Village's Street Department repaired two storm boxes, replaced 4 storm box lids, replaced or added 2 new storm boxes and 130 feet of storm sewer pipe.
- The Village cleaned 0.35 miles of ditch. The Village collected 24 truckloads of silt, grass, and leaves.
- The Village spent 920 hours of sweeping 59.3 miles of roadways.
- Held a screening of "WATERSCHOOL" documentary at Lewis and Clark Community College in Godfrey on November 13, 2018.
- Lewis and Clark Community College was among 27 companies and organizations awarded the Illinois Sustainability Award in October 2018.
- Two representatives of the Village attended the Clean and Green 2018 St. Louis event on March 2, 2018.
- Two representatives of the Village attended the Erosion, Sediment and Storm Water Control Seminar at Southern Illinois University Edwardsville on March 9, 2018.

Circle which minimum control measure addressed:

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

E. Reliance on Government Entities for Permit Obligations

The Village is part of the Madison County Co-Permittee Group.

F. List of Construction Projects during the Current Reporting Year

Permit #	Project	Status
ILR10AM57	Walsh Rd. WMR and Airport Rd Upgrades	Construction
ILR10AM99	Seiler Road Phase 1	Construction

## 2018 Lewis & Clark's 16<sup>th</sup> Annual Water Festival



The National Great Rivers  
Research & Education Center



*Empowering People*



# Lewis & Clark's 16th Annual Water Festival



**LC LEWIS & CLARK**  
COMMUNITY COLLEGE



The National Great Rivers  
Research & Education Center



# Sponsors

## RAINDROP

Pepsi  
St. Louis Bread Company  
J. L. Nash

## POND



## RIVER



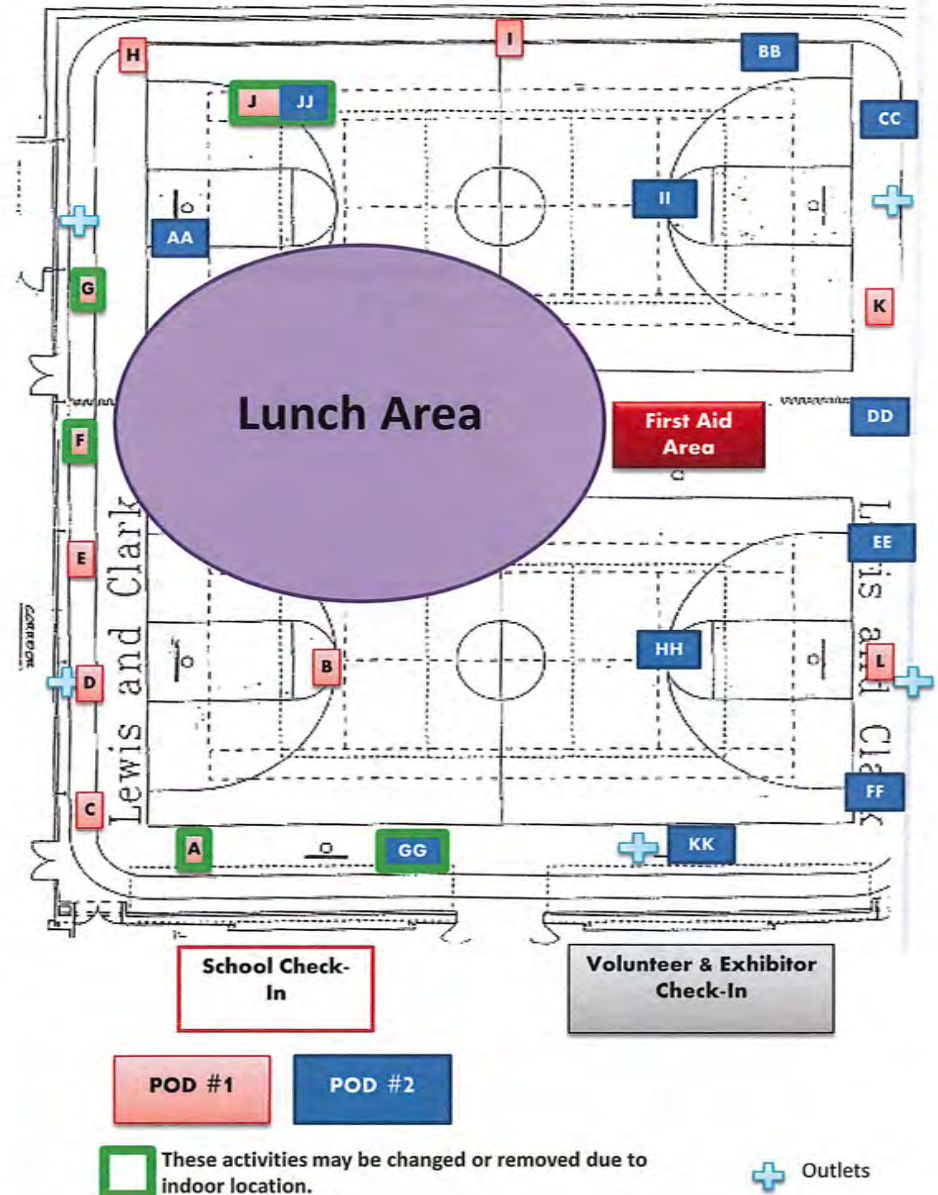
## WATERSHED



ILLINOIS  
AMERICAN WATER

# Indoor Event Map

(in case of rain)





[illegible]

A group of children are gathered around a table outdoors, looking at large glass jars containing yellowish liquid and small objects. Several white water bottles with blue caps are on the table. A blue van is visible in the background.



# 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  
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:

Dr. Dale Chapman, L&C President  
The L&C President's Office  
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, L&C Nurse  
Kimberly Ruby, L&C Coordinator of Risk Management

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



## POD 2

### Description

We will look at preserved macroinvertebrate specimens and talk about how these creatures can help us determine water quality. Students will then catch and identify live macroinvertebrates.

This activity will connect students to the importance of water on a global scale. They will learn about important rivers around the world, and the word for "water" in other languages. Students will draw a picture of what water means to them that could be understood by people living in a country where a different language is spoken.

We will use the Enviroscape 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.

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.

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.

We will discuss prairie plants and deep root systems and show pictures and diagrams for illustration. We will then do a quick observation exercise looking at insect numbers between two habitats to show the positive correlation on biodiversity.

By exploring the natural world with the help of geospatial technology, students experience the connectivity of self, nature, and technology. Students will divide into groups and take turns using a GPS unit to seek and find answers on their scavenger hunt questionnaire.

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.

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

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

Students will form multiple lines to represent a river main stem and one or more tributaries. They will simulate the movement of materials through a watershed by passing items 'downstream'. This activities provides a visual demonstration of how debris and pollution can move through a watershed and how upstream activities affect downstream communities.



## POD 2

Station	Organization	Map Code	Activity
AA	Illinois Environmental Protection Agency	IEPA - Macros	Macroinvertebrates as Indicators of Water Quality
BB	National Great Rivers Research and Education Center	NGRREC - Global H <sub>2</sub> O	Water Within and Around Us
CC	Illinois American Water	IAW - Wastewater	Water - From Protecting our Watersheds to Water & Wastewater Treatment
DD	Illinois Natural History Survey	INHS	Fishes of the Mississippi River
EE	Mustard Seed Peace Project	MSPP	Raising Awareness of Global Water Needs
FF	Lewis and Clark Community College Restoration Ecology Program	LC - Restoration	The Value of Prairies for Water Quality and Biodiversity
GG	U.S. Army Corps of Engineers	USACE	Critters of the River-Catch Them if You Can! Scavenger Hunt
HH	The Nature Institute	TNI	The Incredible Journey
II	National Great Rivers Research and Education Center	NGRREC - Macro Mayhem	Macro Mayhem
JJ	Illinois Department of Natural Resources	IDNR Fishing	Urban Fishing
KK	National Great Rivers Research and Education Center	NGRREC - Watersheds	The Watershed

## 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 federal, state, county, and local agencies, environmental organizations, education institutions, and local 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, Allison Rhanor, at (618) 468-2785 or [arhanor@lc.edu](mailto:arhanor@lc.edu).**





# POD 1

# POD 1

Station	Organization	Map Code	Activity	Description
A	Lewis and Clark Historic Site	L&C Historic	The Lewis and Clark Expedition - The White Pirogue	The Lewis and Clark Expedition spent its 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.
B	National Great Riveres Research and Education Center	NGRREC Prairie Tag	Survival in Native Ecosystems	Students will participate in a flag capture game by representing native plants, prairie voles and red-tailed hawks foraging for resources. After a few rounds of play, a brief talk will engage students in discussion about habitat degradation caused by runoff, erosion and invasive species.
C	Illinois Environmental Protection Agency	IEPA - Filtration	Tools Used to Assess Illinois' Water Quality	We will discuss how pollution can affect a waterbody, the tools that the IEPA uses to assess a waterbody and let the students filter for cholorphyll and use some of the various equipment. We will also talk about macros as biological indicators and show preserved specimens.
D	Missouri Botanical Gardens	MOBOT	Polluting the Forest	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.
E	National Great Riveres Research and Education Center	NGRREC - Conservation	Conservation in Watershed Landscapes	View and participate in a simulation model of a working agricultural landscape. Students will learn about both point and non-point sources of pollution across different land use practices, with a focus on agricultural land use. NGRREC's land conservation specialists will share their experience working with landowners to encourage the use of conservation practicecs within the agricultural landscape.
F	Illinois American Water	IAW - MEC	Water Treatment and Beyond	We will teach students about the water cycle, water treatment, water conservation, and the importance of keeping our waterways clean. We will also show students how to perform some simple water tests at our Mobile Education Center.
G	Watershed Studies Institute, Murray State University	Murray	Collect Bugs Like a Scientist!	Student use nets and bare hands to search the Lewis and Clark Community College's north pond for aquatic macroinvertebrates (water bugs). Captured bugs will be identified and used to assess water quality.
H	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 inprint which will be hung to dry for the students to take home.
I	Lewis and Clark Community College Dental Program	LC - Dental	Water is Better	A water ring toss. Student will throw rings around water bottles. While completing this activity, we wil discuss why water is so important and the beverage of choice versus sugary sodas and juices.
J	Illinois Department of Natural Resources	IDNR Fishing	Urban Fishing	Students will learn proper casting while spending time fishing in the campus pond.
K	Madison County Government, Planning and Development Dept.	Madison Co.	Greening Madon 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.
L	Illinois Department of Natural Resources	IDNR - Canoe	Canoeing with IDNR	Students will spend time paddling our campus pond in a voyager canoe, with the Pere Marquette State Park Interpretive Program Coordinator, Scott Isringhausen of the Illinois Department of Natural Resources. During this station, students will learn about the historic use of these large canoes.

2018 12<sup>th</sup> Annual Mississippi Earthtones  
Festival



12TH ANNUAL  
**MISSISSIPPI  
EARTHTONES  
FESTIVAL**

**SATURDAY, SEPT. 15**

**NOON-10PM**

**ON BROADWAY**

**BETWEEN EASTON ST. & LANGDON ST.**

**PARKING ON THE RIVER SIDE OF 67  
JUST CROSS THE WALKING BRIDGE  
TO ALL THE FUN!**

**REGISTER FOR THE  
RIVER LITTER CLEANUP  
SATURDAY, 9/22 9AM-NOON**

**LIVE MUSIC  
ALL DAY!**

**JACK'S LEG**

GREATFUL DEAD COVER BAND

**ROGERS & NEINHAUS**  
SINGER SONGWRITERS

**CELEBRATE  
OUR RIVER!**

**THROUGH ART, MUSIC  
AND CONSERVATION**

ENVIRONMENTAL EXHIBITS  
FAMILY FRIENDLY ACTIVITIES  
EARTH FRIENDLY PRODUCTS  
AND SERVICES  
NATURE INSPIRED - ARTISAN  
MADE WARES  
GREAT SELECTION OF LOCAL  
FOOD & BEVERAGES  
SHOP LOCAL AT  
INDEPENDANT BUSINESSES

**THANKS TO OUR SPONSORS!**

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Meeting of the  
**GREAT RIVERS**  
ALL AROUND ALTON, ILLINOIS

**Imperial**  
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**/EARTHTONESFESTIVAL**



## 2018 7<sup>th</sup> Annual Riverbend Earth Day Festival



Dear Friend of the Earth,

We'd like to invite you to be an exhibitor, vendor, or sponsor for the **7th Annual Riverbend Earth Day Festival**. This celebration of nature, wildlife, local business, and sustainable living will be held on **Saturday, April 14, 2018 from Noon to 6 p.m.** The event will continue to be held at the Great Rivers Land Trust's Piasa Harbor property, located on Route 100/Great River Road in Godfrey.

Our goal is to bring the larger community out to Piasa Harbor to enjoy live music, fishing, hiking, hands-on informational booths and workshops, nature related arts and crafts, and lots of tasty food offerings.

We are looking to showcase any nature, conservation or outdoors focused group that would like to share information about their services or provide an educational activity for children or adults. We are also highlighting local eco-artisans at this premier environmental showcase! This event continues to see hundreds of people throughout the day, with our record year's event brought an estimated 1400 visitors!

**We have improved the experience for our vendors.** Enjoy the event with a better layout that will make set up and vendor parking easier, allow no vendors to be pushed at the end of the festival and create a better space for visitors to see what you have to offer! Check out the map attached for more details.

Vendor/Sponsor Levels	Benefits
<b>Earth Steward</b> \$350	<ul style="list-style-type: none"><li>• Specific mentions in print and radio ads</li><li>• First-tier visibility of business logo on all promotional material</li><li>• Mentioned on stage during the entertainment</li><li>• 12' x 12' booth space</li></ul>
<b>Community Steward</b> \$250	<ul style="list-style-type: none"><li>• Second-tier visibility of business logo on all promotional material</li><li>• Mentioned on stage during the announcements</li><li>• 12' x 12' booth space</li></ul>
<b>Event Steward</b> \$150	<ul style="list-style-type: none"><li>• Mentioned on stage during announcements</li><li>• 12' x 12' booth space</li></ul>
<b>Food Vendor</b> <i>(Preparing food for guests)</i> \$75	<ul style="list-style-type: none"><li>• 12' x 12' booth space to sell</li><li>• Menu items must be sent to event organizers ahead and all food vendors must obtain proper licensing and follow health procedures.</li></ul>
<b>For-Profit Business</b> <i>(Including farmers and packaged foods)</i> \$35	<ul style="list-style-type: none"><li>• 12' x 12' booth space to sell or display handmade, nature-related, sustainable items. Not sure if your product meets our green guidelines? Ask event organizers with the number below.</li><li>• This space is for local makers and artists looking to share their product with the Riverbend.</li></ul>
<b>Non-Profit /Educational</b> \$10	<ul style="list-style-type: none"><li>• 12' x 12' booth space</li><li>• You are allowed to sell nature-related items for fundraising purposes</li><li>• It is greatly appreciated of you to provide an educational activity and/or information</li></ul>

For questions or more information, please contact: Amy Chartrand at The Nature Institute at [achartrand@thenatureinstitute.org](mailto:achartrand@thenatureinstitute.org) or (618) 466-9930.



## **GREEN GUIDELINES**

Vendors & artists are strongly encouraged to offer products and services that are in keeping with the spirit of environmental responsibility. Think recycle, reduce, re-use & resource! **You may set up your booth between 10 a.m. to 11:45 a.m. the day of the event.** Please be sure to bring what you need for your booth, including your own table, chairs, tent (if needed), etc. Below are details for ideal vendors. If you aren't sure if you fall under the details below, feel free to contact us for confirmation.

### **For Unique Eco-Friendly Artists:**

- Products that are earth-friendly, handmade, and a particularly unique use of a previously unwanted item
- Using your community resources wisely and creatively
- Buy your supplies locally or use your "extras", "scraps", or others' waste to recreate, renew, or redecorate
- Home grown components
- Handmade items should contain less than 50% new plastic

### **For Unique Eco-Friendly Vendors:**

- A product that is biodegradable, organic, locally-made, or uses all-natural ingredients, or up-cycled components, a product or service that results in significant energy savings
- Informational booths relating to water quality issues, native plants & animals, environmental activism, and/or sustainable living. This includes but is not limited to environmental non-profit organizations and for profit businesses that are offering sustainable living information.

### **Special Note for all participants:**

- Please keep paper promotional flyers to a minimum.
- No plastic bags, please! Use newspaper, paper-bags or re-usable bags.
- All tents must be secured with weight stakes
- Please note that this event will be outside. As a result, some of your products or your table could get dirty from the elements. Please prepare your products properly.
- In the event of rain, we will move the festival grounds to inside the building at Old Bakery Beer Co. in Alton, Ill. If the festival is forced to move due to weather, no refund will be provided (unless otherwise approved).
- All participants will be assigned a booth location. A layout map will be prepared and vendors will be notified in advance. This is why the registration deadline is crucial.

### **For questions or more information, please contact:**

Amy Chartrand, Director of Outreach for The Nature Institute  
2213 South Levis Lane  
Godfrey, IL 62305  
achartrand@TheNatureInstitute.org  
(618) 466-9930

## 2018 Grow Native Event



# Save the Date!

## Friday, March 22, 2019

Leclaire Room at  
Lewis and Clark Community College

NO Nelson Campus, 600 Troy Road  
Edwardsville, IL 62025

## Native by Design: *Layered Landscapes*

7:30 am – 12:00 pm

Cost: \$30 – includes breakfast

CEUs available for Landscape Architects and IL MGs/MNs

### Agenda:

- 7:30 am – Registration & Breakfast
- 8:00 am – Opening Keynote Presentation: Thomas Rainer
- 9:00 am – Break
- 9:15 am – Plenary presentations: Chris Carl, Susan Helm
- 10:00 am – Break
- 10:15 am – Plenary presentations: Scott Moss, Gabe Presley
- 11:00 am – Closing Keynote Presentation: Doug Peterson

**Registration closes March 11!**  
**Register at [www.grownative.org](http://www.grownative.org).**

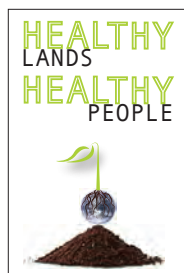
**Special thanks to our  
Silver Workshop Sponsor:**



Presented by the Grow Native!  
Southwestern Illinois Event Committee:



The National Great Rivers  
Research & Education Center



For more information, call 888.843.6739 or  
email [grownative@moprairie.org](mailto:grownative@moprairie.org)

*Grow Native! is a program of the Missouri Prairie Foundation*

**Featuring keynote  
presentations by  
Thomas Rainer and  
Doug Peterson**



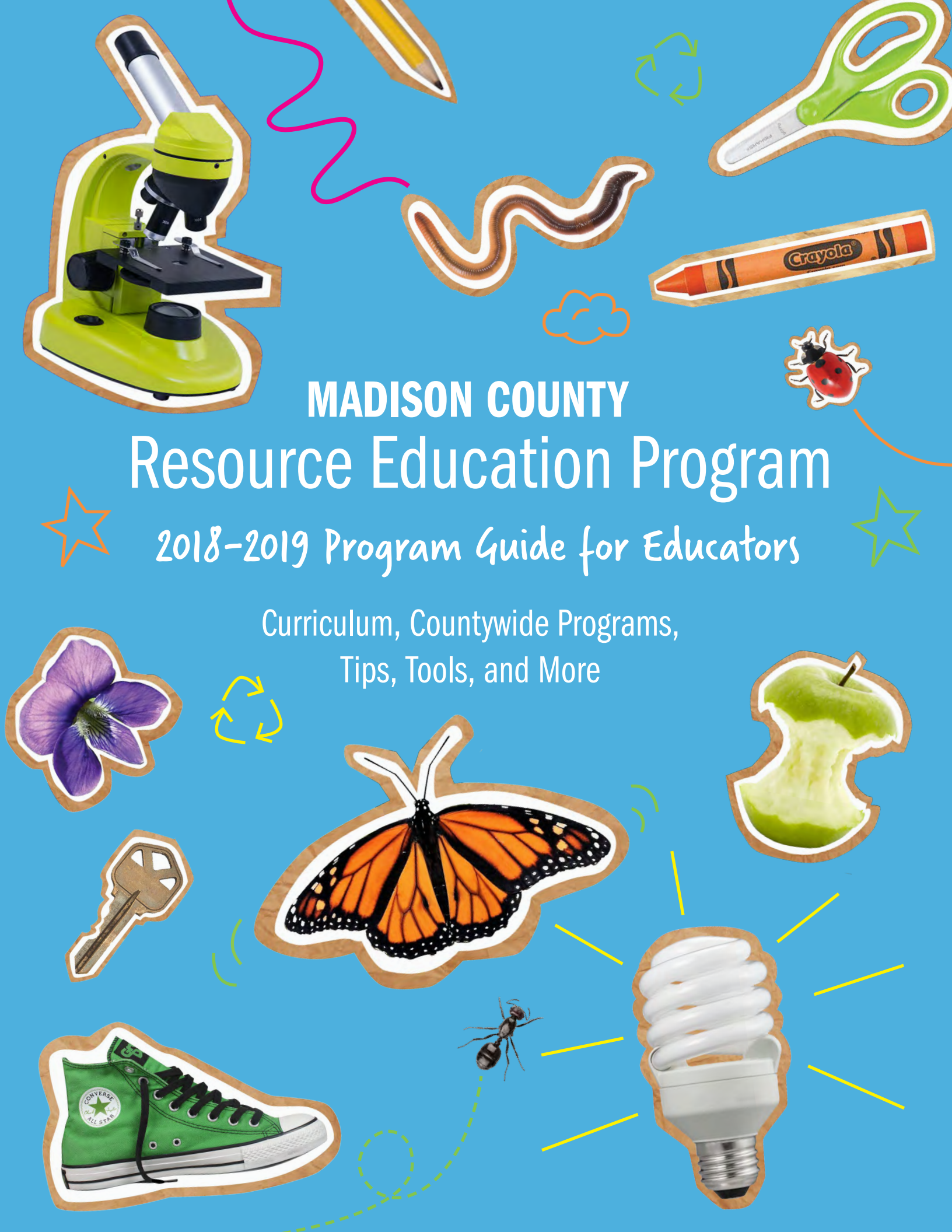
Thomas Rainer is a landscape architect, teacher, and author living in Arlington, VA. He is a leading voice in ecological landscape design and has designed landscapes for the U.S. Capitol grounds, the Martin Luther King, Jr. Memorial, and The New York Botanical Garden, as well as more than 100 gardens from Maine to Florida. His work has been featured in numerous publications including *Home & Design*, and he is co-author, with Claudia West, of *Planting in a Post-Wild World*.



Doug Peterson has been with the Natural Resource Conservation Service for more than 29 years, beginning as a soil scientist and is currently a Regional Soil Health Specialist for Missouri and Iowa teaching NRCS staff and agriculture producers around the Midwest about soil health and how it impacts virtually all natural resource processes.

## Resource Education Program





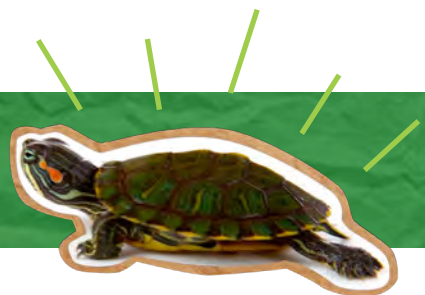
# MADISON COUNTY Resource Education Program

2018-2019 Program Guide for Educators

Curriculum, Countywide Programs,  
Tips, Tools, and More

# Table of Contents

Welcome Letter .....	2
Program Overview .....	3
Getting Started .....	7
Educational Programming .....	9
Logistical Support .....	14
Recycling Programs .....	20
Green Seed Grant Funding .....	22
Competitions .....	23
Awards and Recognitions .....	24
Program Master Calendar .....	25
Resources .....	26





Dear Educator,

As the Madison County Resource Education Program approaches its 29th year, it's evident that a great deal has changed in education in the nearly three decades since the Program's inception. It seems that pedagogical guidelines change so quickly, you no longer have to be a "veteran" teacher to have seen standards, mandates, and "best practices" come and go. As educators and students work to meet ever-shifting demands, it can often feel as if there's more to do with less time to do it. At a time when teachers and students are tasked ambitious goals, it may prompt the question, "How can I possibly think of trying to do more?"

The answer to this question is two-fold; the first half lies in the growing body of information about the benefits of outdoor- and environmental education.

These benefits include:

Improved academic achievement

Increased physical activity and improved student health

Opportunities for STEM education

Critical thinking and problem-solving that prepares student for global competition

Cultivation of leadership qualities

Improved focus and cognition



Secondly, because the Madison County Resource Education Program is designed to serve the specific needs of local educators, you'll find updates and changes made to directly support your efforts and make meaningful environmental education practices easy to integrate into daily curriculum. Inside of our first-ever program catalog, you'll find information on new offerings of standards-aligned lesson plans, learning kits for teacher loan, simplified steps for program enrollment, and planning tools to help you recruit schoolwide support and to meet your goals.

While many environmental education programs focus on global issues, more can be gained when we focus on the local—what immediately surrounds our homes, our schools, and our community and how it impacts our daily lives. If we are to teach students to become thoughtful and informed citizens and leaders, we must provide them with the tools to understand and appreciate their own community, here in Madison County. The Madison County Resource Education Program is designed to support the important work done by teachers and parents to help our children develop the skills to become wise stewards of our land, air, and water.

With the mounting evidence on the benefits of outdoor education, paired with tools and support from Madison County Resource Education Program, I certainly hope you'll soon be asking the question, "How could we not have a resource education program?" Thank you for your participation in Madison County's Resource Education Program. Your efforts directly support enriched academic experience for students, improved school culture, and a bright and healthy future for Madison County.

My Best,

*Eve*

Eve Drueke

**Coordinator, Madison County Resource Education Program**





# Program Overview

## **Madison County's Resource Education Program**

provides support, incentives, and educational resources for new and ongoing resource management practices within Madison County schools, both private and public. While each school's approach varies based on its needs, all share a common set of goals.

Our program's values are rooted in the wise use of resources, creation of healthy outdoor spaces in and around schools, and access to meaningful learning about Madison County's natural spaces and their ecology.

## **Madison County Resource Education Program has three main objectives:**

1. Offer a comprehensive education program that promotes student learning about local environmental concepts and processes.
2. Provide support for schools working to improve resource and energy management practices and environmental science-based learning experiences.
3. Generate community awareness and participation in wise management of land, air, and water and increase resident engagement with outdoor spaces in Madison County.

Illinois' state amphibian, the eastern tiger salamander. Familiarity with the living world helps students make important connections to the management of our air, land, and water. Visit page 9 to view learning activities.

The Madison County Resource Education Program began in 1990 to fulfill the Illinois Solid Waste Management Act's mandate for related public outreach and education.

Madison County Resource Education Program supports schools by providing a variety of opportunities to reduce waste, conserve resources, and help students become engaged, informed stewards of their school and community.

## **These opportunities include:**

1. Logistical support for recycling common materials such as paper, plastic, and aluminum, as well as markers, shoes, clothing, and eyeglasses.
2. Assistance in developing and monitoring waste- and energy-reduction plans.
3. Support for schools' resource management and related educational goals through Green Seed Grant funding.
4. Competitions that promote innovative thinking and problem solving as they relate to thoughtful management of land, air, and water.



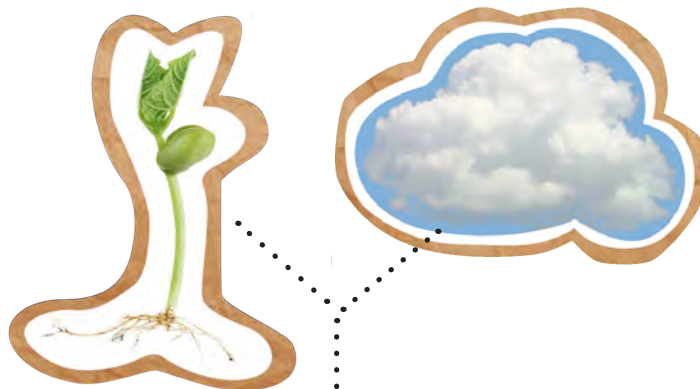
## The Madison County Resource

**Education Program** is excited to share the second edition of its Curriculum Catalog, a set of standards-aligned lesson plans and learning activities that address human-environment interaction, local ecology, and other geological and geographical concepts.

Engaging lesson plans, activity kits, and educational visits from a certified educator are now available to all schools within the county. Many lessons are cross-disciplinary and allow teachers to meet key learning standards in subjects from Language Arts to Mathematics. Activities are designed specifically with Madison County students and educators in mind, and help young learners make important connections between broad concepts and their own school and community.

The Program is revenue-neutral and funded by landfill fees reserved by state statute for environmental education and public engagement.

## Meaningful Curriculum Focused on:



Management of land, air, and water.



Waste reduction and diversion.



Madison County ecology.

# How Does It Work?

**The Madison County Resource Education Program (REP)** exists to promote student learning about local environmental concepts, provide support for schools working to reduce waste and improve resource management, and to increase community participation in the wise management of land, air, and water in Madison County.



## Answer the Call

A teacher, staff member, or team chooses to participate in the Madison County Resource Education Program.



## Take Small Steps (For Big Change)

Schools can participate by teaching from provided standards-aligned lessons, conducting materials collection, implementing policies and practices to reduce waste, and entering program competitions.



## Enroll in the Program

The school representative or team completes enrollment forms to identify goals and qualify for a stipend.

Based on school goals, building teams or coordinators decide which REP-sponsored programs to participate in.



## Receive Support

Madison County Resource Education Program provides planning tools, logistical support, a \$100 stipend, and materials to help each school reach its goals.

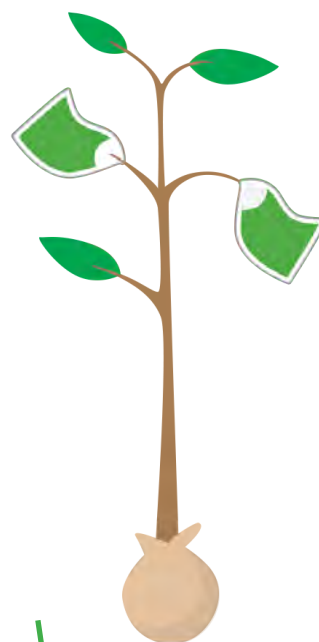
## Get Funding

Participating schools can also apply for Madison County Green Seed Grants to further their efforts.



## Report Back

At the end of the year, schools report their accomplishments back to Madison County REP and qualify for year-end awards and recognition.



## Celebrate!

Schools may request Celebration Kits to reward students and staff for their efforts and accomplishments or attend a county-wide awards ceremony!



# Getting Started

**Paperless enrollment** is now available. Find the "Goals and Interests Enrollment Survey" by visiting the Planning and Development page and following the links at [www.co.madison.il.us](http://www.co.madison.il.us), then complete, and submit. The School Benchmarking Record is only required of new enrollees, schools that have undergone major construction or renovation since last enrollment, or schools that have not completed the Benchmarking Record in the previous five years.

Enrolled schools are eligible for stipends from the county, as well as yearly awards and recognition. Schools must be active participants in the Resource Education Program before receiving program learning materials, applying for Green Seed Grants, receiving awards or recognition, or being awarded with an initial program flag or yearly streamer.

**Homeschool groups** are encouraged to participate in Resource Education programming and utilize its signature set of lesson plans. Contact the Program Coordinator for information on how Madison County REP can help support your homeschool group's educational goals.

## How Does My School Participate?

**Active participants** in the Resource Education Program must meet the following requirements to be eligible for awards, stipends, and grants:

1. Complete a Yearly Goals Enrollment Survey
2. Complete a Benchmark Record  
(if new enrollee or not completed in past 5 years)
3. Participate in two REP-sponsored recycling programs (see page 20 for list)

**Receive your \$100 stipend** when you complete enrollment information online by October 19.

Stipends may be used towards supporting your goals as they relate to waste reduction and education.

Echinacea, or  
Purple Coneflower

# Ways to Spend Your Stipend

Check out the following for ideas on how to stretch your stipend to reach your yearly goals.

Make or purchase "seed bombs" for students to take home in the Spring. Seeds packed in air-dry clay will sprout where you plant them and help support bees and other important pollinators.



Use bulletin board materials to create a display in the school lobby to inform parents and visitors of your efforts and gain support.



Install heat- and UV-blocking window film in classrooms that get the hottest on warm afternoons.



Adopt a barn owl, red-tailed hawk, or peregrine falcon from World Bird Sanctuary.

Add feeders for local birds or hummingbirds to your schoolyard.

Use opportunities for observation to enrich descriptive writing, graph feeder visitors, or learn about concepts such as migration and physical adaptations.



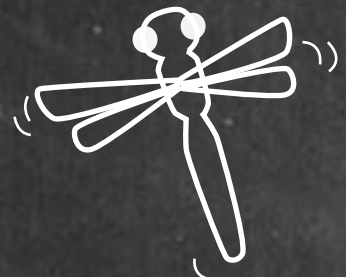
Take a hike! Use your stipend towards transportation costs for a field trip to one of Madison County's many outdoor learning destinations.

Sign up for a Terracycle Zero Waste box and help your school reduce its waste by recycling unusual items, from action figures to athletic balls.



Replace the light bulbs in a common area of your school with high-efficiency bulbs.

Plant a native garden to support pollinators and use it as a "living lab" for topics such as plant life cycles, food webs, and prairie ecosystems.



# Educational Programming

## The Curriculum Catalog

### Buzzing About Pollinators, Grades K-2



Young learners discover the process of insect pollination through a fun role-playing game in which students take turns as eager bees or flowers in need of pollination. Variations in the game teach students how ecological variables can impact pollinators in positive and negative ways. Extensions invite students to investigate their own community for signs of pollinator health and make connections to how pollinators affect human life and agriculture in Madison County. Activity kit includes: Flower and bee game kit, variable cards, post-game discussion questions, Honeybees Lit Kit, pollinator graph, and follow-up writing prompts.

### What Makes a Wetland?

#### Modifications for grades 1-5

Use this activity to engage students when exploring ecosystems and biomes, or before taking a field trip to a local wetland. "What Makes a Wetland" provides students with a fully-illustrated guided reading book, as well as follow-up activities to aid comprehension. Students will be able to describe and identify wetlands and explain how they play a key role in the lives of all types of animals, as well as humans. This book is also available as a read-along, coming in Fall 2018.

## Areas of Study



### Land, Water, and Air Management

Trust Me, I'm a Professional:  
Hands-On Water Quality Lab  
Experience the EnviroScape  
STEM Exploration: Landfill Engineer

### Waste Diversion and Reduction

This Lab is a Bunch of Garbage  
Pollution Solution: Community  
Planning Simulation  
Shoeman Water Project: Companion  
Learning Activity  
The Business of Recycling

### Madison County Ecology

Buzzing About Pollinators  
Meet the Monarchs  
What Makes a Wetland?

monarch butterfly —





spring peeper



## Trust Me, I'm a Professional: Hands-on Water Quality Lab Grades 5-7

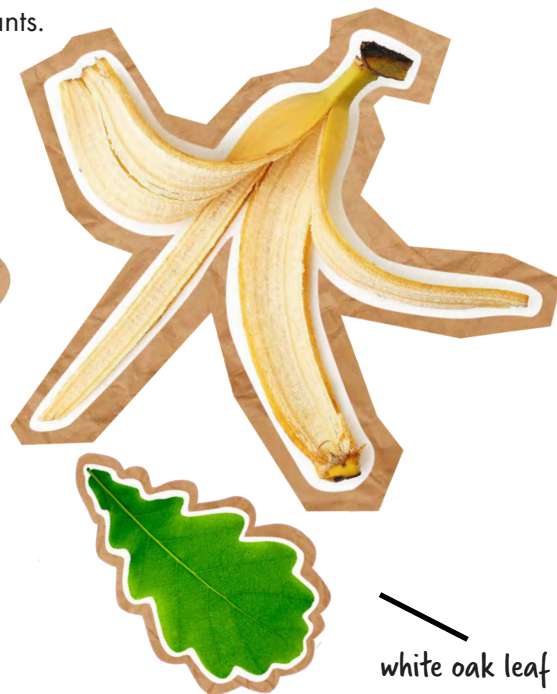


Almost everything we do on land impacts the health of our water. In this activity, students get to step into the boots of a scientist and conduct investigations into the health of local bodies of water. Students review the water cycle and human impacts on water through grade-level appropriate text, then set out to conduct investigations on local surface water, using some of the same testing materials used by professionals. This engaging, hands-on lab lets students become experts by using the scientific method, authentic data collection, and synthesizing data through informative report-writing. Extension questions prompt students to address issues of water pollution or low-quality water, while considering the impacts of policies and practices on people living nearby. Only small samples of water (that can often be accessed in school-campus drainage areas or nearby streams) are required for this activity. This unit is recommended for warmer-weather months when biological activity in water is highest.



## This Lab is a Bunch of Garbage, Modified activity and materials available for grades 1-6

Engage students in exploring issues of solid waste within your own school by conducting a guided classroom waste audit. Students collect and categorize sample trash can contents and apply math skills to predict and represent whole-school waste. Students will engage in critical thinking to determine the best methods for managing and reducing waste in their school and consider how individual choices can have a large impact on our community. An extension kit provides students with tools and ideas for affecting school-wide change and conducting a follow-up trash audit. This lesson is an excellent lab for winter and inclement weather, and can be used to inform school needs for those interested in applying for Madison County Green Seed Grants.



white oak leaf



## Pollution Solution: Community Planning Simulation, Grades 4-5



What does Social Science have to do with a healthy environment? Plenty! In this critical thinking activity, student teams design their own communities, complete with services, businesses, and institutions most towns and cities need. Planners identify the types of land, air, and water pollution generated by a busy community. Students then work together to create policies and practices that keep the community clean and help it thrive. Students are prompted to engage in higher-order thinking and some debate about how laws and policies can impact a variety of those present in the community, ranging from wildlife, to private residents, to agriculture and businesses.

## STEM Exploration: Landfill Engineer, Grades 4-5

Students design and build model landfills using materials similar to those used by engineers for full-scale landfills. Completed small-size landfills are "rained" on and subjected to other erosion processes. The goal is to create landfills that hold the most garbage, minimize the cost to build and keep trash and contaminated water inside the landfill to prevent it from causing environmental damage. Teams create designs within given budgets, test the landfills' performance, and graph and compare their designs for capacity, cost and performance.

monarch butterfly caterpillar

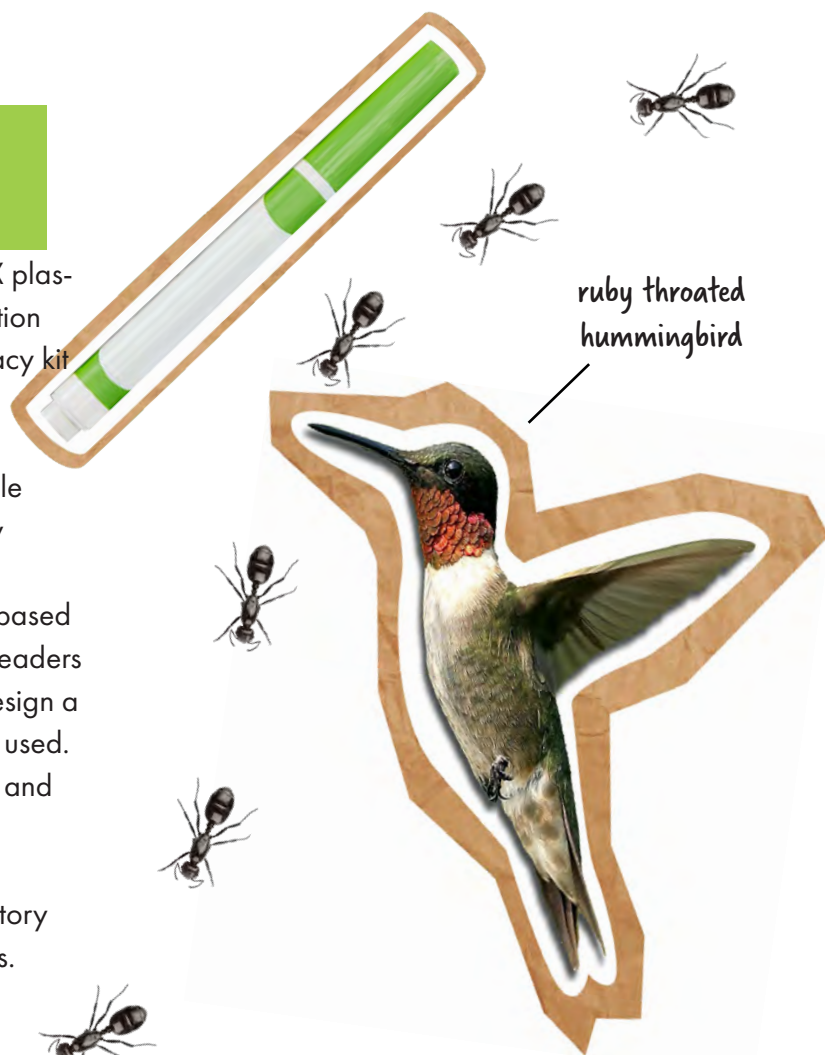
## Experience the EnviroScape Modifications available for grades 1-6

Bring scientific concepts to life with lessons using the EnviroScape, a 3-dimensional landscape model that includes towns, roads, farmland, and natural bodies of water. Students engage in "learning by doing" as they simulate rainfall and observe how pollutants travel from land to the water in our communities. As the EnviroScape makes complex systems simple and accessible, students can deepen their understanding of human-environment interaction by identifying and testing ways to prevent water pollution. (Enviroscape lessons are taught by the Madison County Resource Education Coordinator and are scheduled according to Coordinator availability.)



## The Business of Recycling, Modifications for grades 1-5

An ideal activity for schools participating in TREX plastic film recycling or seeking to increase participation in the collection of recyclable materials, this literacy kit helps students (and staff) deepen their understanding of both the why and the how of recycled materials. The text offers clear and simple descriptions of the business of recycling and how commonly recycled items are turned into new products, and even features a Madison County-based recycling operation. Extension activities prompt readers to think like an innovative business owner and design a new use for everyday objects after they've been used. Activity includes: The Business of Recycling Lit Kit and Extensions, traveling literature set, including, The Adventures of an Aluminum Can: A Story About Recycling, The Adventures of a Plastic Bottle: A Story About Recycling, Recycle! : A Handbook for Kids.



## Shoeman Water Project: Accompanying Lesson Plan, Modifications available for grades 1-6

Is your school participating in the Shoeman Water Project drive? Increase student awareness and whole-school engagement with this unique learning activity to accompany your collection efforts. This lesson packet allows teachers to choose from quick skill-flexing activities to short texts and reading comprehension work to even more extensive investigations involving critical thinking, math application, and Social Science concepts.

## Meet the Monarchs Lit Kit, Modifications Available for Grades K-3

Get to know the official insect of the state of Illinois, the monarch butterfly. Address science standards of structure and function and interdependence among ecosystems while learning about what makes these insects so unique. Find out what people around the world (and in Madison County!) are doing to care for Illinois' special species. Activity kit includes: "Meet the Monarchs" guided reading book and comprehension questions, teacher links and resources, Monarch Migration map skills sheet, illustrated monarch life cycle cards, key word cards, home extension sheet, school information on Monarch Waystation mini grant.



# Logistical Support

## Goals & Roles Yearly Planning Kit

### 1. Select a Destination: Where Do You Want to Go?

What do you hope to accomplish this year? Write your own objectives or choose from the list below. Record them on your Goals and Objectives Planner.



#### objectives:

- ☐ Reduce the amount of waste generated by the school.
- ☐ Increase the amount of waste recycled.
- ☐ Increase student knowledge about ways to reduce or divert waste.
- ☐ Improve students' stewardship of our land, air, and water.
- ☐ Increase student knowledge about and experiences with Madison County ecology, wildlife, geography, and related environmental concepts.
- ☐ Help students develop a sense of responsibility and stewardship for their classroom, school, and community, as it relates to healthy environment.
- ☐ Provide students with opportunities to engage in critical thought and problem solving.

or, write your own objectives below:

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**Step for Success:** Start very small. Three objectives are plenty. Members of the school community are more likely to join a successful program than one that continues a cycle of resuscitation and failure because it requires too much effort to maintain.



## 2. Map the Course: How Will You Get There?

Now that you've determined your destination, it's important to outline concrete steps towards your objective. **These steps are your goals.** Your goals should be SMART: Simple, Measurable, Achievable, and Time-Bound.

**For example, if your objective is:**

Reduce the amount of waste generated by the school.

**A related goal may be:**

Purchase and install two new compost bins in the school cafeteria by the second week in October.



### Goals and Objectives Planner

Objective \_\_\_\_\_

Goal \_\_\_\_\_

Goal \_\_\_\_\_

Goal \_\_\_\_\_

Objective \_\_\_\_\_

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Goal \_\_\_\_\_

# Goal Mapping Worksheet

Use the worksheet below to help you think through the details to develop a solid plan for success. Make blank copies for additional goals as needed.

**1. Action or Habit:** Example: Place only fruit and vegetable scraps in the composting bins.

**2. Who will perform it?** Example: Students and cafeteria visitors.

**3. When will this begin? Name a specific date.** Example: Wednesday, October 12th.

**4. Where will this take place?** Example: In the school cafeteria.

**5. When will it occur and how often?** Example: After students finish their lunches, during clean-up, daily.

**6. What groups will require education on this process?** Example: Cafeteria staff and monitors, students, student helpers, custodians, visitors to the cafeteria.

**7. How will this action be supported?** Example: Cafeteria monitors will provide reminders and assistance; student leadership will assist during first week of program roll-out and subsequently as needed. Student helpers and cafeteria monitors will report progress or problems.

**8. With what level of accuracy should this action be carried out? (You may list goals for long-term progress.)**

Example: Students will recycle fruit and vegetable food scraps with 40% accuracy the first week, increasing by 10% accuracy each week, with an overall expectation of 90% accuracy by the first week of January.

**Notes:**

### 3. Gathering Support: Who Will Help You Reach Your Destination?



Consider some of the areas in which you'll need support to meet your goals. These may include:

- ☐ Sharing information
- ☐ Promoting events
- ☐ Providing logistical help
- ☐ Obtaining materials
- ☐ Teaching new procedures
- ☐ Changing existing policies
- ☐ Authorizing or accessing funding
- ☐ Coordinating student or volunteer help

Identify the people who might be asked for assistance or support. What will you need from the people below in order to meet your goals?

- ☐ Classroom teachers
- ☐ Paraprofessionals/Aides
- ☐ Students
- ☐ Parents/Caregivers
- ☐ Custodial Staff
- ☐ Cafeteria Staff
- ☐ Administrative and clerical staff

**“If you want to go fast,  
go alone. If you want  
to go far, go together.”**

#### Step for Success



While some school members may have more flexibility in their scheduling, be cautious about assigning too much responsibility to one group.

While it might be helpful that the “Social Skills Club” collects and empties recycling bins, this may prevent whole-school participation, which is a key component in changing schoolwide culture and practices.

To create meaningful change, everyone must have some role, however small. How will you make this a whole-school practice over time?

#### Best Not To:

Create goals that rely heavily on lots of sustained effort from one person, rather than small efforts from many people.

Hand-off sole leadership of the program to a first-year teacher.

Avoid delegating, even if you're certain you can perform the task better yourself.

Make the success of the program the responsibility of one person.

Wait until you have a perfect plan or feel like an expert to begin.

#### 4. Roll out the Program

Your team may have devised the perfect plan, but its success depends on widespread participation and consistency over time. Knowing the answers to the following questions will help you realize your objectives:

##### **How will your new procedures or program be announced to students in an engaging way?**

Possibilities include:

Posters

Morning announcements or assemblies

Student skits

School newsletters

Bulletin boards in common areas

##### **How will you convey expectations to staff?**

Make sure what you're asking of fellow staff is clear and they're made aware of your goals. Clearly communicated expectations like the one below are far more likely to yield desirable results than a vague request, such as, "Please make sure students recycle".

**"Our goal is for students to understand what does and doesn't go in the recycling bin and demonstrate this with 90% accuracy by November 30. Please post the attached recycling guide and review with your students at the beginning and end of the week."**

**"our school has recycled 2,000 pounds of paper this month. That's approximately 16 trees! Way to go!"**

##### **How will you demonstrate to your students and staff that they are making an impact?**

Feeling effective is important to maintaining enthusiasm and participation. Methods for encouragement include:

- ★ Announce progress weekly
- ★ Enter "caught in the act of caring" names into a weekly drawing for a small prize
- ★ Maintain a bulletin board with progress towards recycling goals or recent accomplishments.



## 5. Stay the Course



Remember, behavioral change takes time and not everyone may share your sense of urgency or passion. It's to be expected that while some school members may be eager to help, others won't want to participate or are quick to point out past failed attempts.

### **That's okay.**

Whole-school participation is the goal but not a reason to throw in the towel if it doesn't happen immediately. Over time, the benefits of participation, can include:

Sharing in school identity

Seeing results

Program popularity

Providing students with a valuable learning experience

Character development

These can be a powerful persuading forces, even if your initial appeal doesn't yield the results you hoped for, immediately.

Your students don't learn new math skills, classroom expectations, or even library check-out procedures in a day. New recycling habits or learning objectives are no different—they require repetition, consistency, and positive reinforcement. As an educator, you're well-versed in monitoring progress, assessing outcomes, and knowing when it's time to re-teach or make other adjustments.

## 6. Track Progress: How Far Have You Come?

How will you measure progress towards your goals? Knowing where you've been is key for keeping others motivated and making wise decisions about your next goals and objectives.

Possibilities for progress monitoring include:

Monitoring changes in weights of landfill garbage versus recycling hauled (contact your hauler to determine weights)

Comparing findings from your beginning trash audit and subsequent trash audits

Compare energy bills from the same months in past years

Summative quizzes to assess student knowledge

Track weights of paper recycled and compare monthly

Brief teacher surveys on student learning



# Remind and Reward



With any behavioral change, intermittent reward can be very effective. Let students be “caught in the act” of caring for the school through recycling or other desired habits, but don’t let external awards completely overshadow the intrinsic reward that comes from reminding a student that her behavior has positively impacted the community. Lasting good habits are formed when the action yields personally meaningful results.



Ask for student feedback on what the school could be doing better or differently.

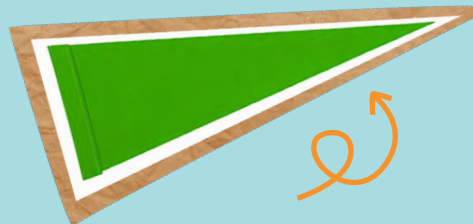
Students love to be “experts” and can offer a fresh perspective on what’s working and what isn’t.

Plan to re-teach and remind after holidays and breaks. This includes teachers and support staff, too.

People forget quickly. How can you make it easy for people to remember the changes? Posters? Rhymes? Signage? Can these be made by students as part of another assignment?



Have contests—decorate recycling bins, hold students-versus-teachers, class-versus-class, or grade-versus-grade contests to see who can be the most effective recyclers, etc.



Come up with a fun name for your team, group, or school while engaging in the practice.



Supply staff members with low-waste ways to recognize student efforts at random. Let students get “caught in the act” with a colorful stamp or sticker.

Remind and review during school announcements and morning meetings.



Request that teachers create a classroom job related to meeting your goals. “Recycle Boss” or “Trash Terminators” can check to ensure students are sorting trash and recycling appropriately.



Hand out awards printed on the back of used paper and allow students to enter them in a drawing at the end of each week.





# Recycling and Collection Programs



## Shoeman Water Project

Shoeman Water Project picks up donated used and new shoes year-round from businesses, churches, and schools. Collected shoes are exported and sold in the developing world. The resale of shoes provides jobs and affordable footwear. Funds from the export of shoes provides well drilling rigs, water purification systems, and hand pump repair, bringing clean, fresh water to those in need. Easy access to clean water sources allows more children to attend school, rather than making long and often dangerous journeys to fetch water for their families.

## Trex Plastic Film Recycling Challenge

Trex Company, Inc supplies participating schools with collection boxes and other materials to assist with collection of plastic items such as grocery bags, plastic retail bags, plastic cereal bags, bread bags, shrink wrap & dry-cleaning bags. School volunteers weigh and keep a record of the amount of film collected each month. Schools compete against other schools in their area to recycle the most plastic film per number of students.



## New! Fantastic Plastic Collection Drive

Introducing a new recycling initiative designed for use alone or in conjunction with the Trex Plastic Film Recycling Challenge. In response to the growing demand for reduction in plastic bag waste, the Fantastic Plastic Collection Drive was designed to help schools become a resource for promoting clean and healthy communities, and ensuring that the 500 billion to one trillion bags produced each year don't contaminate our communities and waterways. Participating schools receive a collection kit that includes:

- customizable documents such as hallway flyers, letters to students and parents, and requests for assistance from volunteers
- locations for plastic bag drop-off
- a slim 23-gallon collection bin for your school
- attractive and eye-catching bin decal

Collections can start at any point in the school year. **Schools that place first, second, and third in plastic bag collection will be eligible for a \$300, \$200, and \$100 prize, respectively. Those who place 4th-6th will receive a \$50 prize.**





## Crayola ColorCycle Marker Recycling

Crayola is now accepting used markers, including non-Crayola brand markers, dry-erase markers, and highlighters! Classrooms collect used markers throughout the year. Markers are packaged and a shipping label and a no-cost shipping label is printed from Crayola's website. FedEx picks up the used markers at no cost to the school, and Crayola converts the plastic into clean fuel. Markers can be shipped throughout the year. Crayola recommends at least 100 markers and no more than 40 pounds of markers per shipped box.



## Lion's Club Key Recycling

The Lions Club of Illinois accepts any type of keys to be recycled. The money raised is used in Illinois to pay for partially-sighted children to undergo special low-vision examinations with glasses, monoculars, stand magnifiers and other equipment being provided absolutely free. The keys may be brought to the May 2019 Year-End Celebration; Madison County Resource Education Program then delivers keys to a local Lion's Club chapter.



## USAgain Textile Collection and Recycling

USAgain has been providing people across the country an eco-friendly solution for ridding themselves of unwanted clothes and shoes, effectively diverting millions of pounds of textiles from landfills each year. We place a bin in the unused area of your parking lot where customers can drop off their unwanted clothes and shoes. At least once per week, we collect the items and bring them to our area warehouse. USAgain redistributes the discarded gently-used clothes to places with great demand, supporting the local and global economy. Non-reusable clothes are recycled into insulation, wiping rags, or are broken down to reclaim fiber. USAgain collection bins generate revenue for your school, with payment (revise this word) starting at three cents per pound of textiles collected.





# Grant Funding

The Madison Resource Education Program and the County Board's Planning and Development Committee offers "Green Seed Funding" for use in initiatives that address waste reduction or environmental education. Green Seed Grants provide up to \$2,000 maximum per school in the form of reimbursement. No matching funds are required. Grant funding is available to Madison County public, private, and parochial schools participating in the Madison County Resource Education Program. To be eligible, the applying school must have completed and submitted its 2018-19 School Information Form and Needs and Goals Survey.

Funds can be used to purchase waste-reduction and energy-saving equipment such as composting bins, water bottle refilling stations, energy-saving lightbulbs, or materials related to learning about school garden supplies, or off-site learning experiences. Recent Green Seed Grant recipients have utilized funds for projects such as refillable water bottle stations, schoolyard rain garden, school greenhouse, composting supplies, and chicken coops to enrich agricultural curriculum. For complete details and application, visit [www.madisoncountyplanning.com](http://www.madisoncountyplanning.com).

For complete details and  
an application for  
Green Seed Grants,  
visit [www.madisoncountyplanning.com](http://www.madisoncountyplanning.com)  
and click on  
"Resource Education Program".



# Competitions



## Clean Air Bookmark Competition

Madison County Planning and Development Department and Madison County Partnership for Community Health (MCPCH) sponsor a bookmark design contest. All design submissions should illustrate various ways to improve air quality in the St. Louis region such as: carpooling, walking, bicycling, riding transit, using solar and wind energy, etc. Four grade categories for the contest; K-2, 3-5, 6-8 and 9-12. The first place bookmark designs from each category are printed with the winner's name and school and made available to the winning student's school library. NOTE THAT THERE IS NOW A YEARLY THEME AND INSTRUCTIONS. Open to students in grades 6-12.

## PhotoVoice

PhotoVoice is a method to make your voice heard through photography as you document the community's needs and resources from your own personal experience. Students should photograph a scene that represents their community or expresses their point of view as it relates to sustainability. Single photos must be accompanied by a 4-5 sentence paragraph description that states what the photographer is depicting in the photo. Photos must be taken in Madison County by a Madison County student.



## Trashformations: New Program Guidelines!

The popular "Trashformations Innovation" competition will continue for the 2018-2019 school year! While the scope of the competition will remain similar to previous years, participants should be aware of some changes to the guidelines for entry.

Once again, Trashformations entrants are challenged to create something functional and new from materials that would otherwise end up in the recycling bin. This includes items like paper, metal, textiles, and plastics. Finished entries must be made of at least 50% recyclable materials and can be entered by groups or individuals in K-2 or grades 3-5.

### Important Guidelines to Remember:

Entries must be no larger than approximately 24 x 16 x 12" (about the size of two banker's boxes).

Entries must demonstrate a benefit to Madison County through the improvement or protection of air, land, or water, or through the support of local agriculture, businesses, or native plant and animal species. (More details will be made available online.)

Competitors will also submit a brief, written description of their entry to describe its purpose.

Visit  
[madisoncountypanning.com](http://madisoncountypanning.com)  
for complete details  
and rules.



The 2017-2018 winner,  
"Grow", by Taylor Prough



# Awards and Recognition



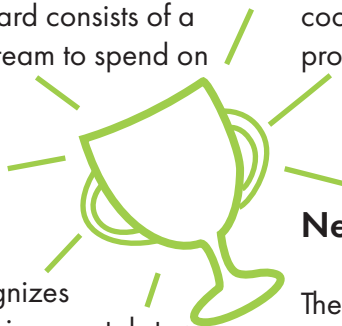
## Team of the Year

This award recognizes a school team that has demonstrated a commitment in organizing, managing or leading sustainable activities for their school through participation in the Resource Education Program.



The team can be any combination of a principal, teacher, custodian, aide, student, or parent who have the responsibility of carrying out activities at any public, private or parochial school in Madison County.

No winners from past five school years may be nominated. Self-nominations are accepted and encouraged. Entries must represent work completed during the 2018-19 school year. Ongoing projects and programs are eligible. The award consists of a plaque and \$400 for the school's team to spend on environmental-related programs.



## Community Roots Award

The Community Roots Award recognizes a school whose efforts towards environmental stewardship and waste reduction have positively impacted the community beyond their school campus. Activities that qualify include off-campus community clean-up days, collaboration with local businesses or non-profit organizations with related missions, community information campaigns, donations of gently-used goods as a waste-diversion effort, recycling drives open to the community, public space plant installation, and more. The award consists of \$150 for the school to spend on furthering its efforts and \$150 to be donated to a local non-profit (501c3) organization of the school's choosing.

## Coordinator of the Year

This award recognizes a school's Resource Education Building Coordinator who has demonstrated a commitment in organizing, managing or leading activities for their school as part of the Madison County Resource Education Program.

The individual can be a principal, teacher(s), custodian(s), aide(s), or parent(s) who has the responsibility of carrying out at any public, private or parochial school in Madison County. No past winners may be nominated. Self-nominations are accepted and encouraged. Entries must represent work completed during the 2018-19 school year. Ongoing projects and programs are eligible. The award consists of a plaque and \$300 for the coordinator to spend on environmental-related programs.

## New Leaf Award

The New Leaf award is designed for schools that are new to the Resource Education Program or have recently begun (within one calendar year of the application deadline) a new waste-reduction initiative or schoolwide practice. The New Leaf Award is intended to encourage new participants that any efforts, however small, have the potential to make a positive impact on their school and community.





# Master Calendar, 2018-2019

## September

15 Resource Education Teacher Workshop

## October

**19 Online enrollment form due for \$100 stipend**

## November

3 Madison County Pumpkin Purge

15 America Recycles Day

**15 Trex Plastic Film Collection contest begins**

17 Fall Shoe Drive

## December

**14 Green Seed Grant applications due**

## January

25 Trashformations participation paperwork due

## March

15 Clean Air Bookmark entries must be postmarked

## April

10 Bookmark winners announced

19 Nominations for yearly awards and recognition due

**20 County-level Trashformations and PhotoVoice entries due at County Administration Building and online, respectively**

20 Spring Shoe Drive

22 Earth Day

22 Trashformations on display in County Administration building

## May

**3 Online year-end reporting sheets due**

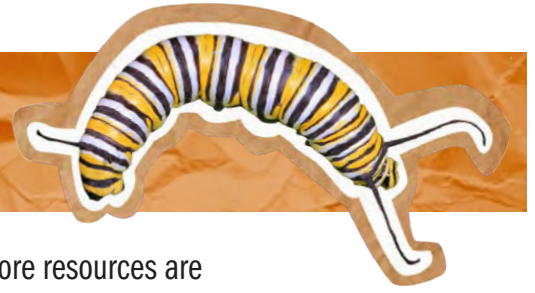
3 Trashformation display ends

8 End-of-year ceremony (time and location TBA)

violet, the Illinois state flower



# Resources



Below, find a few resources on popular topics in resource education. Many more resources are available online by visiting [www.madisoncountyplanning.com](http://www.madisoncountyplanning.com) and following the link to the Resource Education Program

## Composting and School Gardens

Kids' Gardening. Org provides comprehensive, user-friendly resources for creating and maintaining school gardens. <https://kidsgardening.org/create-sustain-a-program-starting-a-school-garden-program-overview/>

The Illinois Food Scrap Coalition: offers information and resources on composting, and a "We Compost" recognition program for schools. <http://illinoiscomposts.org/>

Madison County C.A.R.E.E, Agriculture Literacy: Offers vermicomposting lessons and materials available to schools. [www.madcocaree.org](http://www.madcocaree.org)

## Monarch Butterflies

Milkweeds for Monarchs: The St. Louis Butterfly Project aims to foster the connection between people and urban natural resources where they live, work, learn, and play. Register your monarch garden to help reach the goal of 250 new monarch gardens in St. Louis! <https://www.stlouis-mo.gov/monarchs/>

Monarch Watch: Monarch watch is a non-profit education, conservation, and research program based at the University of Kansas that focuses on the monarch butterfly, its habitat, and its spectacular fall migration. Monarch watch strives to provide the public with information about monarchs, their migration, and how to use monarchs to further science education in schools. <http://www.monarchwatch.org/>

## Recycling

Recycle Bank: Get funding for your school's recycling projects through Recyclebank's Green Schools Program. Parents and community members earn points on everyday purchases and donate them to your school. <https://www.recyclebank.com/about-us/green-schools/>

America Recycles Day: Take an online pledge, host an ARD event and find a Free K-12 Schools "Go To Guide", templates and downloads at <http://americarecyclesday.org/>

CJD E-Cycling: Electronic waste recycling facility in Edwardsville and Alton. Great for accepting waste from holiday light collection drives. <https://www.cjdecycling.com/>

Madison County MS4 Co-Permittee Group  
2018-2019 Quarterly Meeting Agendas

## **AGENDA**

**MS4 (Quarterly) Co-Permittee Group Meeting**  
**Wednesday June 13, 2018 9:00 AM**  
**Madison County EMA**  
**101 E. Edwardsville Rd.**  
**Wood River, IL. 62095**

### **Introductions**

Tony Schenk & Chloe Huelsmann – Gonzalez Companies

### **Watershed Plans - Update**

1. Silver Creek - 319 Grant – BMP Tour July 13<sup>th</sup>
2. Cahokia/Indian/Canteen Creek – Landowner/Farmer Survey (Until July 1<sup>st</sup>)
3. American Bottoms – Water Resource Inventory (WRI)

### **MS4 Audits Update**

List of 2018-19 Audits to be determined in July/August 2018

### **Past Events Round-Up**

Community Clean-up (Chouteau Township June 8<sup>th</sup> & 9<sup>th</sup>)

### **Upcoming Events**

4. Hazardous Household Waste Collection (June 23<sup>rd</sup> Gateway Convention Center)–See Flier
5. BMP Tour July 13<sup>th</sup>
6. Government Tire Collection (TBD @ Madison County Nike Base)
7. ICS 300 & ICS 400 Training (August 4-5 & August 11-12, 2018)

### **Discussion**

8. Annual Reports
  - a. Status of Submittal and Summary of Report
  - b. Data Collection
    - i. What went wrong/right?
    - ii. Improvements for next year
9. Outfall Monitoring Requirements
10. Annual Public Meeting Requirements
11. Lunch & Learn Meetings - Presentation
  - a. Regulatory Briefing
  - b. Construction Site Runoff Detection and Elimination
  - c. Post-Construction Runoff Control
  - d. Lessons Learned

### **Down the Road**

12. Next Meeting: Wednesday September 12, 2018 at 9am



# **AGENDA**

**MS4 (Quarterly) Co-Permittee Group Meeting**  
**Wednesday September 19, 2018 9:00 AM**  
**Madison County EMA**  
**101 E. Edwardsville Rd.**  
**Wood River, IL. 62095**

## **Introductions**

Natalie Marioni – Director of Environmental Education & Citizen Science at NGRREC  
Eve Drueke – Resource Education Coordinator  
Kim Petzing – Resource Management Coordinator  
Brad Schaive – Laborers Disaster Response Team Coordinator  
Tony Falconio – Logistics Coordinator at Madison County EMA

## **Watershed Plans - Update**

1. Silver Creek - 319 Grant – BMP Tour July 13<sup>th</sup>
2. Cahokia/Indian/Canteen Creek – 319 Grant Application
  - a. Advisory Group Meeting
  - b. Open House Tuesday September 25<sup>th</sup> at the Maryville Community Center
3. American Bottoms – Water Resource Inventory (WRI)

## **MS4 Audits Update**

4. Fort Russell Township 9/14/18
5. List of 2018-19 Audits to be determined in July/August 2018 – Wayne

## **Past Events Round-Up**

6. Government Tire Collection (9/12/18 @ Madison County Nike Base)

## **Upcoming Events**

7. Hazardous Household Waste Collection - 9/22/18 (Madison County Wood River Facility)–See Flier

## **Discussion**

8. Tony Falconio – Introduction  
Brad Schaive – Disaster response
9. Natalie Marioni – Swarovski Water Program  
Eve Drueke – Resource Education  
Kim Petzing – Resource Management

## **Down the Road**

10. Next Meeting: Wednesday December 12, 2018 at 9am

## **AGENDA**

**MS4 (Quarterly) Co-Permittee Group Meeting**  
**Wednesday December 12, 2018 9:00 AM**  
**Madison County EMA**  
**101 E. Edwardsville Rd.**  
**Wood River, IL. 62095**

### **Introductions**

Ed Nelson – ASP Enterprises

### **Watershed Plans - Update**

1. Highland Silver Lake Watershed - 319 Grant Sign up
2. Cahokia/Indian/Canteen Creek – 319 Grant Application
3. American Bottoms – Water Resource Inventory (WRI)
4. Wood River and Piasa Creek Watersheds – 604(b) Planning Grant

### **MS4 Audits Update**

5. Recently Completed: Chouteau Township (Nov. 1, 2018), Village of South Roxana (Nov. 7, 2018) and Foster Township (December 6, 2018)
6. List of Audit remaining for 2018-19: Village of Maryville and Pin Oak Township

### **Past Events Round-Up**

7. Government Tire Collection (9/12/18 @ Madison County Nike Base)
8. HHW (Hazardous Household Waste) Collections

### **Coming Events – 2019**

9. HHW Collections (2)
10. Electronics Recycling Collections (4)
11. Tire Collection???

### **News Updates**

12. Illinois EPA Updates – Wayne

### **Discussion Topics – Operations & Maintenance Training**

13. Tony Schenk – Gonzalez Co.
14. Ed Nelson – ASP Enterprises

### **Down the Road**

15. Meeting Schedule for 2019
16. Next Meeting: Wednesday March 13, 2019 at 9am
  - a. Annual Reports

## **AGENDA**

**MS4 (Quarterly) Co-Permittee Group Meeting**  
**Wednesday March 27, 2019 9:00 AM**  
**Madison County EMA**  
**101 E. Edwardsville Rd.**  
**Wood River, IL. 62095**

### **Introductions**

Janet Buchanan – Heartlands Conservancy  
Eleanor Schumacher – Madison County SWCD  
Tony Schenk – Gonzalez Companies  
Chloe Huelsmann – Gonzalez Companies

### **Watershed Plans - Update**

1. Highland Silver Lake Watershed - 319 Grant
2. Cahokia/Indian/Canteen Creek – 319 Grant Application
3. American Bottoms – Water Resource Inventory (WRI)
4. Wood River and Piasa Creek Watersheds – 604(b) Planning Grant

### **MS4 Audits Update**

5. Recently Completed: Village of Maryville 1/18/19
6. List of Audit remaining for 2018-19?? Wayne

### **Annual Reports**

7. Data Collection Information – Chloe Huelsmann (Gonzalez)
8. Annual Reports Due to Springfield – May 31, 2019

### **Coming Events – 2019**

9. HHW Collections (2)
10. Electronics Recycling Collections (4)
  - a. Village of Grantfork 3/30/19
11. Tire Collection?
12. Mosquito Larvicide Training (Health Department) 4/30/19?
13. Spring Flood Briefing April 3<sup>rd</sup> 2019

### **News Updates**

14. Illinois EPA Updates – Wayne

### **Discussion Topics – Operations & Maintenance Training**

15. Tony Schenk – WOTUS
16. Eleanor Schumacher – NRI
17. Janet Buchanan – Wood River & Piasa Creek Watershed Planning

### **Down the Road**

18. Next Meeting: Wednesday June 12, 2019 at 9am

*SB*  
*3/25/19*

Madison County Health Department  
2018 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

**Kurt Prenzler, CPA**  
County Board Chairman

**IMPORTANT NOTICE**

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

FROM: Erin Boester, M.P.H., L.E.H.P. (EB)  
Health Protection Division Manager

DATE: April 3, 2018

RE: One-Hour Larvacide Training for Municipal Employees

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The Illinois Department of Agriculture requires any municipal employee who applies pre-packaged solid larvacides 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 larvacide training clinic for municipal and township employees on Thursday, April 26, 2018 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 larvacides and who are not licensed applicators.

In addition, EPA Notice of Intent will be required to dispense larvacide 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 larvacide training.

**Thursday, April 26, 2018  
Madison County Wood River Facility  
Manley Auditorium  
(Enter building at the main Health Department Entrance at front of building)  
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.

## 2018 Prescription Drug Take Back

# 15<sup>th</sup> National Take Back Day

April 28, 2018



DRUG ENFORCEMENT  
ADMINISTRATION  
DIVERSION CONTROL DIVISION



# 16<sup>th</sup> National Take Back Day

October 27, 2018



DRUG ENFORCEMENT  
ADMINISTRATION  
DIVERSION CONTROL DIVISION





## 2018-2019 Christmas Tree Recycling

## 2018 Madison County Christmas Tree Recycling Drop-Off Locations

Municipality/Township	Drop-Off Locations	Address	Curbside Pick-Up?	Comments
Alhambra/Alhambra Township	Village Maintenance Shed	421 Elm St, Alhambra	Yes, please call 618-488-3505 to request	
Alton	None, curbside only	#1 Emma Kaus Ln, Alton	Yes, call Public Works at 463-3530, option 0 to be placed on the pickup list	Pickup dates between 12/26/18-1/14/19
Collinsville	Willoughby Farm	631 Willoughby Lane	No	
Collinsville	Woodland Park	2 Pine Lake Road, at Fletcher Field Parking Lot	No	
Collinsville Township	Collinsville Township Road District	1407 N Bluff Rd, Collinsville	Yes, unincorporated Collinsville Township only	Curbside pickup for unincorporated Collinsville Township ONLY
Village of East Alton	City Garage	331 Playground Ct.	Yes	
Edwardsville	Winston Brown Recreation Complex	1325 Schiller Avenue	No	Hoppe Park, West end of parking lot
Edwardsville Township	Township Community Park	6368 Center Grove Rd, Edwardsville, near dumpster	No	
Fort Russell Township	Highway Garage	112 Clover St, Moro	No	
Foster Township	Township Garage	4754 Fosterburg Rd, Alton	No	Behind Foster Township highway garage
Glen Carbon	Bike Trail parking lot	Danzer Dr, Glen Carbon	No	
Godfrey	Street Dept	6212 Godfrey Rd, Godfrey	No	

## 2018 Madison County Christmas Tree Recycling Drop-Off Locations

Granite City	Granite City Park District	Circle drive at end of 29th St., Granite City	No	Accepting trees from Dec 26-Jan 11
Hamel/Hamel Township	Township Highway Dept	403 N Old US Rte 66, Hamel	No	
Hartford	Curbside Pick-Up Only		Yes	
Helvetia Township	Township Shed	12466 Buckeye Rd, Highland	No	
Leef Township	Township Garage	12905 Niggli Road N 160	no	
Madison	None, curbside only		Yes	
Marine Township	Township Shed	620 N Vernon St, Marine	No	
Village of Maryville	None, curbside only		Yes	
Moro Township		117 Montgomery St., Moro	No	
Olive Township	Olive Township Maintenance Facility	8363 E. Frontage Rd, New Douglas	No	For Livingston, Williamson & Olive Townships
Pin Oak Township	Pin Oak Township Highway Dept	3702 Tosovsky Ln, Edwardsville	No	
Saline Township	Saline Township Shed	3642 George St, Highland	No	
St. Jacob Township	Township Highway Garage	10048 Ellis Rd, St. Jacob	No	


2018 Madison County Christmas Tree Recycling Drop-Off Locations


Troy	Tri-Township Park	410 Wickliffe St, Troy	No	
Wood River	Compost Site	400 Smith Ct, Wood River	No	
Wood River Township	Wood River Township Building	1010 8th St, Cottage Hills	Yes	





## 2018 Electronic Waste Collection


# Madison County Residential Electronic Waste Collection


 Madison County Planning and Development and CJD-Ecycling are hosting a **FREE** electronics collection for Madison County residents, by appointment only.

 **Saturday, March 30, 8 am to 2 pm**

 **Village of Grantfork Shed, near Village Fire Department  
210 Locust Street, Grantfork, Illinois, 62249**

 **Accepted items include:** anything with a cord, home electronics and televisions, computers and monitors, small appliances, air conditioners, washers, dryers, dishwashers, refrigerators, furnaces, lawn equipment.

 **Items not accepted include:** business and contractor waste, paint, hazardous waste, batteries, oils, fire extinguishers, propane tanks, oxygen tanks, DVDs, VHSs, CDs, or cassette tapes, transformers or ballasts, and devices containing mercury including smoke detectors.

 **Registration for the event is required.**  
Follow registration link at [www.madisoncountypanning.com](http://www.madisoncountypanning.com) or  
Register at <https://RecycleResponsibly.as.me/?calendarID=2795062>.

For more information on county recycling, visit [www.madisoncountypanning.com](http://www.madisoncountypanning.com)

Brought to you by  
Madison County Planning and Development  
and CJD E-Cycling



## 2018 Tire Collection Day





# USED TIRE COLLECTION FOR LOCAL GOVERNMENTS

**Illinois Environmental Protection Agency and Madison County are hosting a used tire collection for municipal and township governments in Madison County.**

PLEASE NOTE: This collection is for units of local government ONLY and is NOT open to the general public. For more information or questions, call Kendall at 618-346-5141.

**Sponsored By:**

Illinois Environmental Protection Agency  
Madison County Planning & Development  
Madison County Highway Department  
Madison County Board Chairman,  
Kurt Prenzler, CPA



**Wed., Sept. 12 &  
Thurs., Sept. 13**

**8:00 AM – 3:00 PM**

**Nike Storage  
Base Facility  
(Madison Co  
Highway Dept.)  
10241 Fruit Road,  
Alhambra, IL**

**YES:**  
Municipalities  
Townships  
Car Tires  
Truck Tires  
Tractor Tires  
Tires on Rims

**NO:**  
General Public  
Off the Road (OTR) Tires  
Tire Dealers  
Service Stations  
Commercial Businesses  
Trucking Firms  
Contractors



## 2018 Hazardous Waste Disposal



# DO YOU HAVE ANY HAZARDOUS WASTE?

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

Acceptable waste includes:

- Oil based paint
- Paint thinners/strippers
- Gas, antifreeze, motor oil
- Degreasers
- Yard/Pool chemicals
- Fluorescent bulbs
- Hobby chemicals
- Medicines
- Household cleaners
- Mercury
- Household batteries

WHEN: Saturday, June 23, 2018

7:00am—3:00pm

WHERE: Gateway Convention Center  
(parking lot behind the building)

One Gateway Drive, Collinsville, IL

WHO: Any Madison County & Collinsville Resident

Participants may have to wait in their car 10-20 minutes. No walk-ins allowed.

**APPOINTMENTS ARE REQUIRED!**

<https://MadisonCountyHHWRegistration.as.me/> or call 618.296.6647

No latex paint, tires, electronics, ammunition, explosives, fire extinguishers, business, or biohazard waste accepted. More information: 618-296-6647 or visit [www.madisoncountypanning.com](http://www.madisoncountypanning.com)

Sponsored by: Madison County Planning & Development & the City of Collinsville





# DO YOU HAVE ANY HAZARDOUS WASTE?

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

Acceptable waste includes:

- Oil based paint
- Paint thinners/stripers
- Gas, antifreeze, motor oil
- Degreasers
- Yard/Pool chemicals
- Fluorescent bulbs
- Hobby chemicals
- Medicines
- Household cleaners
- Mercury
- Household batteries

WHEN: Saturday, September 22, 2018

7:00am—3:00pm

WHERE: Madison County Wood River Facility  
(parking lot on east side of building)

101 East Edwardsville Rd, Wood River, IL

WHO: Any Madison County Resident

Participants may have to wait in their car 10-20 minutes. No walk-ins allowed.

**APPOINTMENTS ARE REQUIRED!**

<https://MadisonCountyHHWRegistration.as.me/> or call 618.296.6647

Registration deadline 8AM Friday, September 21, 2018

No latex paint, tires, electronics, ammunition, explosives, fire extinguishers, business, or biohazard waste accepted. More information: 618-296-6647 or visit [www.madisoncountypulling.com](http://www.madisoncountypulling.com)

Sponsored by: Madison County Planning & Development



## 2018 Various Watershed Planning Events



# Highland Silver Lake Watershed Conservation Opportunities

## Shed Meetings

*Three Dates!  
Three Locations!*

**Meet your local conservation planners!  
Get conservation planning assistance!**

January 22 at 9:30 am:

Grantfork Village Hall  
203 Rock Street, Grantfork

February 12 at 9:30 am:

Old Ripley Township Shed  
1004 Franklin Street, Old Ripley

February 26 at 9:30 am:

New Douglas Community Center  
310 S. Main St, New Douglas

*Three Presentations!*

*Refreshments provided!*

- Highland Silver Lake Conservation - Then and Now  
Eleanor Schumacher, Resource Conservationist, SWCD
- Soil Health - the Key to Clean Water  
Brendaly Rodriguez-Munoz, Soil Conservationist, NRCS
- Using Gypsum to Improve Soil Health  
Nancy Pals, Gypsum Marketing Specialist, Boral North America

**Which is the best conservation option FOR YOU?**

**Come find out!**

**Call Madison County NRCS and SWCD  
to register at (618) 656-7300 x 3**





Flooding at East Chain of Rocks Road near Sand Road



Flooding and water quality to be discussed

# We Want Your Input!

Join us at the

## Open House for the Canteen Creek-Cahokia Creek Watershed Plan

Come to learn about and discuss:

- Water quality and flooding
- Goals and strategies for improvement
- The watershed planning process
- Possible sources of funding to fix issues

**Tuesday, September 25<sup>th</sup>**

**6:00 pm to 8:00 pm**

Maryville Community Center

500 East Division

Maryville, IL 62062

### Where is the watershed — what area is affected?

These communities are in the watershed:

Caseyville, Collinsville, Edwardsville, Fairview Heights, Glen Carbon, Hartford, Maryville, Pontoon Beach, South Roxana, and Troy.

### Should I attend?

Yes! The event is open to all.

- Home owners
- Land owners
- Business owners
- Community officials

This event will have an open house format with no formal presentation, so feel free to stop by any time between 6:00 pm and 8:00 pm.

For more information, contact Janet Buchanan at

618-566-4451 ext. 25

[janet.buchanan@heartlandsconservancy.org](mailto:janet.buchanan@heartlandsconservancy.org)

<https://www.heartlandsconservancy.org/cahokiaticreek.php>

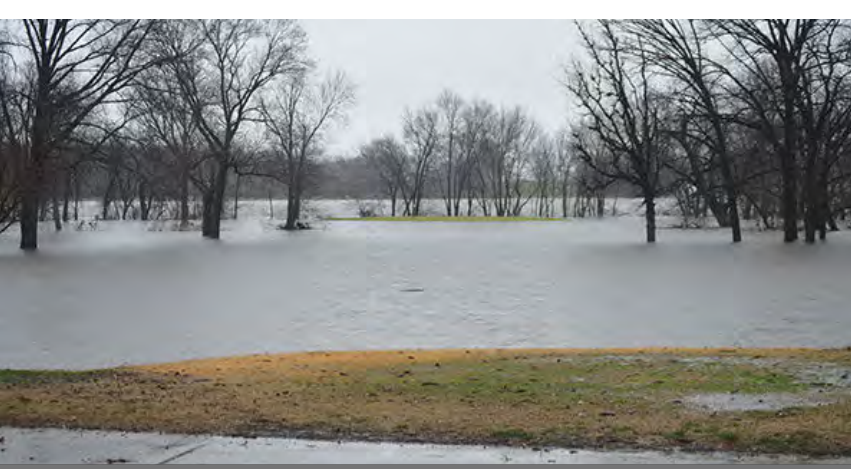
**Cahokia Creek  
Watershed Planning**



**HEARTLANDS**  
CONSERVANCY







*Flooding at Oak Brook Golf Course in Edwardsville.*



*Attend to provide input on flooding and water quality in the area.*



# We Want Your Input!

Join us at the

## Open House for the Indian Creek-Cahokia Creek Watershed Plan

Come to learn about and discuss:

- Water quality and flooding
- Goals and strategies for improvement
- The watershed planning process
- Possible sources of funding to fix issues

**Tuesday, October 9<sup>th</sup>**

**6:00 pm to 8:00 pm**

Madison County Farm Bureau

900 Hillsboro Avenue

Edwardsville, IL 62025

### Where is the watershed — what area is affected?

These communities are in the watershed:

Bethalto, Bunker Hill, Dorchester, Edwardsville, Glen Carbon, Hartford, Roxana, South Roxana, Staunton, Wilsonville, Wood River, and Worden.

### Should I attend?

Yes! The event is open to all.

- Home owners
- Land owners
- Business owners

This event will have an open house format with no formal presentation, so feel free to stop by any time between 6:00 pm and 8:00 pm.

For more information, contact Janet Buchanan at

618-566-4451 ext. 25

[janet.buchanan@heartlandsconservancy.org](mailto:janet.buchanan@heartlandsconservancy.org)

<https://www.heartlandsconservancy.org/cahokiaticreek.php>

**Cahokia Creek  
Watershed Planning**



**HEARTLANDS**  
CONSERVANCY





# WOOD RIVER & PIASA CREEK WATERSHED PLANNING



Warren Levis Lake, Camp Warren Levis



Tributary, Alton



Glazebrook Park, Godfrey

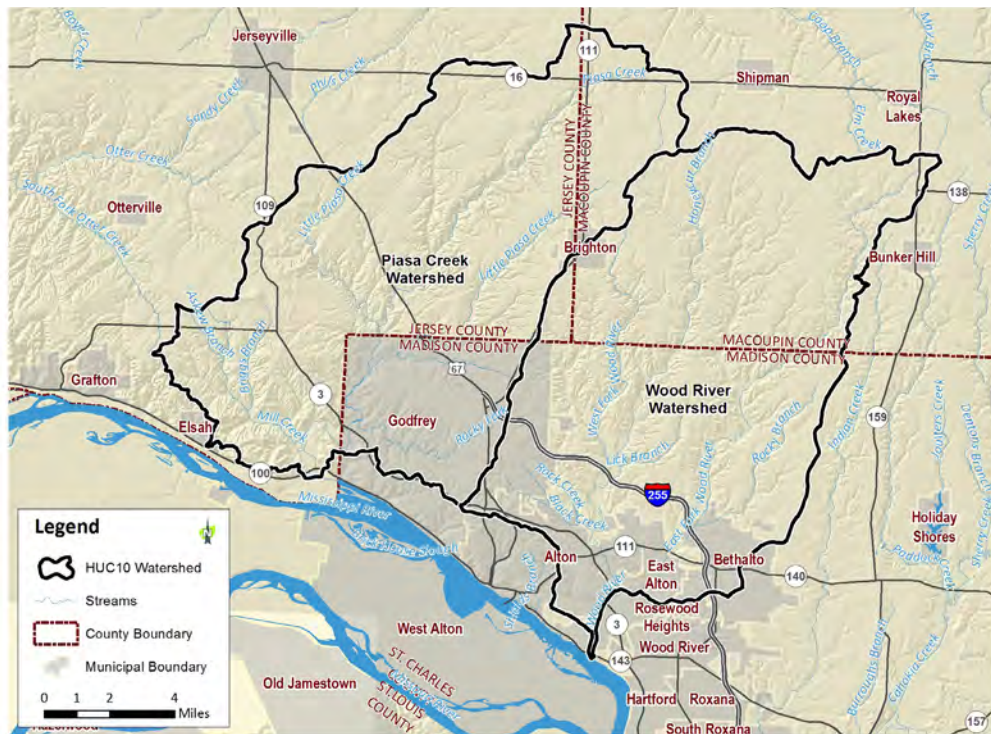
**HEARTLANDS**  
CONSERVANCY  
Investing In The Nature Of Southwestern Illinois



# Overview

HeartLands Conservancy is embarking on a watershed planning process for two watersheds that drain to the Mississippi River: Wood River and Piasa Creek. These two watersheds cover a 156,000-acre area in Madison, Macoupin, and Jersey counties.

Watershed planning is a way to strategically identify and address water quality and flooding issues, creating a long-term vision for the improvement of drainage. The planning process will bring together technical analysis and public input to create a roadmap for healthier watersheds. When complete, these plans will make informed recommendations on how to decrease flood damage, improve water quality, reduce soil erosion, and restore fish and wildlife habitat.



## A watershed plan includes:

### Watershed Resources Inventory

The Watershed Resources Inventory essentially reviews the existing conditions in a watershed. The inventory will document Wood River and Piasa Creek and their tributaries including channelization, erosion, riparian area health, existing soil types, demographics, land use/land cover, geology, and climate. Existing pollutant loads of nitrogen, phosphorus, and sediment will be estimated from existing land uses.

### Public Engagement

HeartLands Conservancy will involve municipalities, townships, community groups, the general public, and landowners in the watershed planning process through individual and small group meetings. Open House events will also be held at least once per year.

### Watershed Plan

Using the Watershed Resources Inventory and public input, HeartLands Conservancy will develop a plan for each watershed. The plans 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 (BMPs) will be recommended based on the results of the inventory. Potential example practices include streambank stabilization, conservation tillage, rain gardens, and policy changes. The watershed plans will identify the approximate costs of recommendations, a potential schedule for implementation, and possible funding sources.

# Common Questions and Answers

## About Wood River and Piasa Creek Watershed Planning

### Why is watershed planning being done for the Wood River and Piasa Creek watersheds?

Poor or declining water quality has serious effects on communities, such as low-quality drinking water supplies, degraded wildlife habitat and ecosystems, and inability to fish or wade in creeks. Likewise, flooding causes tremendous economic burdens on communities by damaging homes, businesses, farm fields, roads, and bridges. Watershed planning is an opportunity to identify ways to enhance water quality and reduce the impacts of flooding. By analyzing existing conditions and developing strategies for improvement, each watershed plan will become a roadmap for communities, agencies, and landowners to work together to address stormwater issues. The plans will also identify potential sources of funding for these improvements and will help reduce long-term 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 throughout the planning process, including individual and small group stakeholder meetings and public Open Houses. Stakeholders include municipalities, townships, community and civic groups, and landowners. As the watershed plans are developed, there will be additional meetings with stakeholders and the public. The input received from stakeholders and public Open Houses will help shape plan recommendations.

### Will this study solve flooding problems in our communities and on our land?

Solving all flooding problems will not happen overnight. Long-term strategies are needed to reduce flooding impacts in the watersheds. However, this planning process will be an important step. During meetings and Open Houses, stakeholders and the public will be asked to identify previously unknown flooding locations on maps provided by the planning team. Mapping these locations and understanding upstream-downstream connections will help generate recommendations in the watershed plans.

### Who are the partners involved with the watershed planning?

To create the watershed plans, HeartLands Conservancy will work closely with various groups throughout the watershed including counties, local governments, and key organizations such as soil and water conservation districts, the Farm Bureau, and Great Rivers Land Trust. Project partners include the National Great Rivers Research and Education Center and Midwest Streams Inc.

### How are recommendations of a watershed plan implemented?

Watershed planning is an opportunity for multiple partners (e.g., local leaders, stakeholders, agencies, landowners) to develop objectives and goals for the watershed. Input from partners will help shape plan recommendations such as best management practices, improvement projects, or updated policies. The watershed plans will identify potential sources of funding and partners that can assist in implementation.

# Schedule

## Wood River and Piasa Creek Watershed Planning

### Year One

- Develop Watershed Resources Inventories to document existing conditions in each watershed.
- Hold an Open House to gather public input that guides the planning process (e.g., problematic flooding locations).
- Meet with stakeholders, project partners, and technical committee.

# 2019

### Year Two

- Develop watershed plans to identify solutions (i.e., BMPs) for flooding and water quality issues related to infrastructure and land use.
- Hold an Open House to gather public input on the draft plans.
- Meet with stakeholders, project partners, and technical committee.

# 2020

### For More Information

For more information on Wood River and Piasa Creek Watershed Planning, or to be added to the mailing list, please contact:

**Janet Buchanan**  
**HeartLands Conservancy**  
**(618) 566-4451 ext. 25**  
[janet.buchanan@heartlandsconservancy.org](mailto:janet.buchanan@heartlandsconservancy.org)



Glazebrook Park, Godfrey

### About HeartLands Conservancy

HeartLands Conservancy, a nonprofit serving southwestern Illinois since 1989, is devoted to the conservation of land, the preservation of green spaces in our communities, sustainable and environmentally friendly community planning, and engaging our neighbors with nature. We are investing in the nature of southwestern Illinois. Visit [www.heartlandsconservancy.org](http://www.heartlandsconservancy.org) or [www.facebook.com/heartlandsconservancy](https://www.facebook.com/heartlandsconservancy) for more information.

**HEARTLANDS**  
**C O N S E R V A N C Y**  
Investing In The Nature Of Southwestern Illinois

3 N High St. | Belleville, IL 62220 | (618) 566-4451  
[www.heartlandsconservancy.org](http://www.heartlandsconservancy.org)



# AMERICAN BOTTOM WATERSHED PLAN



Photo: Bryan Werner

bryan.werner

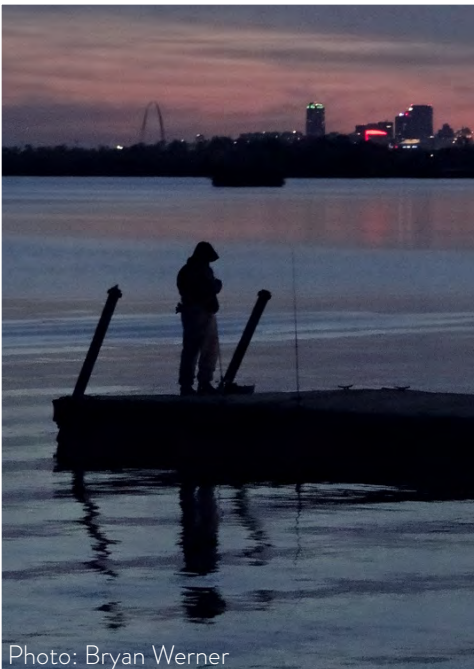
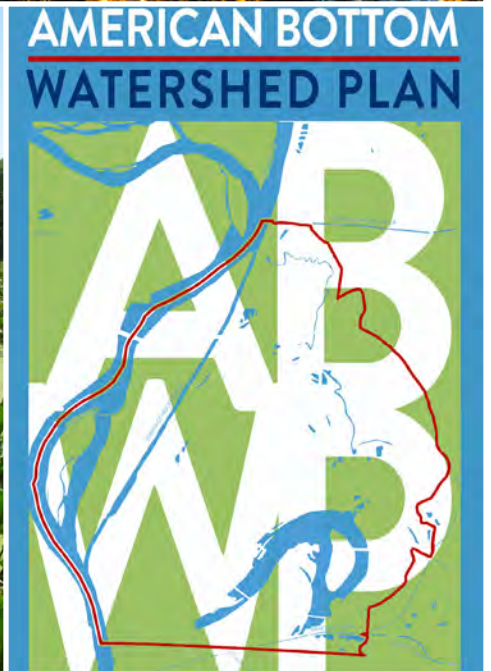


Photo: Bryan Werner





# Overview

Madison County, the U.S. Army Corps of Engineers, and HeartLands Conservancy are embarking on a watershed planning process for the American Bottom watershed. Watershed planning is a way to identify water quality and flooding issues and create potential solutions. The planning process will use technical analysis along with public input to create a long-term vision for the improvement of water quality and drainage.

The American Bottom Watershed is an area in Madison County that is part of a larger watershed known as Judy's Branch-Mississippi River (the name given by the U.S. Geological Survey). In this area water generally flows east to west into the Mississippi River. The watershed includes parts of 16 municipalities, including Granite City, Pontoon Beach, Brooklyn, Madison, and Venice. Notable features in the watershed include Monks Mound (in the Cahokia Mounds complex), Chouteau Island, Horseshoe Lake, and Arlington Wetlands.

## Madison County Stormwater Plan

The Madison County Stormwater Plan is the overall framework for stormwater management in the county. It guides regulations, identifies flood and water quality problems, establishes best management practices (potential solutions), and prioritizes work to be done. The American Bottom watershed is one of ten watersheds being assessed as part of the Stormwater Plan. Other watershed plans, completed or in progress, are for the Upper Silver Creek and Cahokia Creek watersheds. Direction and approval for the Stormwater Plan comes from the Madison County Stormwater Commission, whose members include County Board members and municipal representatives.



## The following are components of the watershed planning process:

### Watershed Resource Inventory

The Watershed Resource Inventory will document existing conditions in the American Bottom streams, including channelization, erosion, and riparian area condition. Information on soil types, demographics, land use/land cover, geology, and climate will also be collected. Existing levels of nitrogen, phosphorus, and sediment pollution will be estimated.

### Public and Stakeholder Engagement

A key part of the Plan will be involving elected officials, community groups, residents, and landowners. Individual and small group stakeholder meetings will take place during the summer and fall of 2016. Open House events, open to the public, will take place in September 2016. As the plan comes together, follow-up meetings will be held. A Community Flood Survey will be mailed to many residents and made available online in 2017. The survey will help identify the locations, causes, and impacts of flooding in the watershed.

### Watershed-Based Plan

Using the Watershed Resource Inventory and input from stakeholders and public engagement, the American Bottom Watershed Plan will be developed. The plan will identify solutions for flooding and water quality issues related to infrastructure and land use. These solutions are called best management practices (BMPs). Some potential examples include: streambank stabilization, conservation tillage on agricultural land, federal conservation programs, and policy changes. The Plan will identify the approximate costs of recommendations, a potential schedule for implementation, and funding sources.

# Common Questions & Answers

## About the American Bottom Watershed Plan

### **Why is a Watershed Plan being created for the American Bottom?**

Creating a Watershed Plan for the American Bottom is an important component of Madison County's Stormwater Plan, which aims to address stormwater issues in the county's 10 watersheds. The Watershed Plan documents existing conditions and develops recommendations and strategies to improve water quality and reduce flooding. The Watershed Plan will become a roadmap for communities, agencies, and landowners for future improvements. It will also identify potential sources of funding for these improvements. Better water quality provides for cleaner community water supplies, increased opportunities for recreation, and healthy fish and wildlife habitat. Flooding has tremendous costs including damage to homes, business, and infrastructure (e.g. roadways). Strategies to reduce 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 and fall of 2016. Stakeholders will include elected officials, community and civic groups, and landowners. There will also be public Open House events in September 2016, which anyone can attend. In 2017, a Community Flood Survey will be sent by mail and available online to help document areas of flooding and identify flood damage to buildings and infrastructure. Additionally, as the Watershed Plan is developed, follow-up meetings will be held with stakeholders and the public. The input received from stakeholders, the Open Houses, and the survey will help shape the Plan's recommendations.

### **Will this Plan solve flooding problems in our communities and on our land?**

Solving all flooding problems will not happen overnight. Long-term strategies are needed to reduce the impacts of flooding on the American Bottom watershed. Resident input is an important step in the planning process, especially the Community Flood Survey (mailed and available online in 2017) that will help identify areas of flooding. This data and the solutions developed from it will be key components of the Madison County Stormwater Plan.

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

There are multiple partners including Madison County, the U.S. Army Corps of Engineers, HeartLands Conservancy, and the Madison County Soil & Water Conservation District. We expect many more partners will become involved over the course of the planning process.

### **How are the recommendations of a Watershed Plan implemented?**

Watershed planning is an opportunity for multiple partners (local leaders, stakeholders, agencies, landowners, etc.) to develop objectives and goals for the entire watershed. Input from partners will help shape Plan recommendations including improvement projects and updated policies. Then, the recommendations can be carried out by the people in the best position to do so – often the same people who helped develop the recommendations. The Watershed Plan will contain information on potential partners and sources of funding that can help with carrying out the recommendations.





# Schedule for the American Bottom Watershed Plan

## 2016

- Stakeholder meetings
- Public Open Houses in September

## 2017

- U.S. Army Corps of Engineers conducts Watershed Resource Inventory
- Community Flood Surveys collected
- Flood Survey & Public Engagement Summary published
- Begin to identify Best Management Practices (BMPs)

## 2018

- Develop draft American Bottom Watershed Plan including; Goals & Objectives, Issues, BMPs, and Information & Outreach
- Meet with stakeholders and hold Open House events
- County approval of final American Bottom Watershed Plan

## For More Information

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

Visit the American Bottom Watershed Plan website: [www.heartlandsconservancy.org/AmericanBottom](http://www.heartlandsconservancy.org/AmericanBottom)

## 2018 Community Cleanup Days



# City of Madison



## Community CLEAN-UP

Madison County and the City of Madison are hosting a community clean-up that is FREE to all City residents! IDs will be required.

### Resident Drop-Off Details



Saturday,  
April 21st



7:30am - 2:30pm



1528 3rd St,  
Madison, IL

### Items Accepted:

- Home Electronics & TVs
- Phones & Cell Phones
- VCRs & Stereos
- Computer Equipment & Monitors
- Cables, Keyboards, Mice
- Microwaves & Small Appliances
- Washers & Dryers
- Dishwashers & Refrigerators
- Air Conditioners & Furnaces
- Lawn Equipment
- Non-Ferrous Metals

### NOT Accepted:

- Alkaline Batteries
- Oils & Paints
- Tires
- Fire Extinguishers
- Propane Tanks
- Oxygen Tanks
- Smoke Detectors
- Landscape Waste
- DVDs, VHSs, CDs, Cassettes
- Business/Contractor Waste
- Hazardous Waste/Chemicals

Sponsored by:  
City of Madison  
Madison County Government  
Kurt Prenzler, CPA, Madison County  
Board Chairman



PLEASE NOTE:  
Assistance for disabled or elderly  
curbside pick-up, MUST CALL:  
Tyrone Treadway  
618-781-7103

# Meadowbrook Area



# Community CLEAN-UP

Madison County and Fort Russell Township are hosting a community clean-up that is FREE to any Fort Russell Township/Meadowbrook Area resident! IDs will be required.

## Resident Drop-Off Details



Friday & Saturday,  
May 4th & 5th



7:30am - 2:30pm  
Daily



112 Clover St,  
Moro, IL

Fort Russell Highway Shed

### Items Accepted:

Demolition Debris  
Home Electronics & TVs  
Furniture  
Household Items  
Mattresses  
Microwaves  
Small Appliances  
Air Conditioners  
Washers, Dryers, Dishwashers,  
Refrigerators, Furnaces  
Carpet, Tiles, & Flooring  
Lawn Equipment

### NOT Accepted:

Business/Contractor Waste  
Hazardous Waste/Chemicals  
Oils  
Paints  
Tires  
Fire Extinguishers  
Landscape Waste  
Propane Tanks  
Smoke Detectors  
Oxygen Tanks

#### Sponsored by:

Fort Russell Highway Department  
Todd Shaw, Highway Commissioner  
Madison County Government  
Kurt Prenzler, CPA, Madison County  
Board Chairman



#### PLEASE NOTE:

Assistance for disabled or elderly  
curbside pick-up, MUST CALL  
Todd Shaw on or before May 2  
618-377-8801



# Chouteau Township



## Community CLEAN-UP

Madison County and Chouteau Township are hosting a community clean-up that is FREE to any Township resident! IDs will be required.

### Resident Drop-Off Details



Friday & Saturday,  
June 8th & 9th



7:30am - 2:30pm  
Daily



906 Thorngate,  
Granite City, IL  
Chouteau Township Garage

### Items Accepted:

- Home Electronics & TVs
- Phones & Cell Phones
- Furniture & Mattresses
- Computer Equipment & Monitors
- Microwaves & Small Appliances
- Household Items
- Washers & Dryers
- Dishwashers & Refrigerators
- Air Conditioners & Furnaces
- Carpet, Tiles, & Flooring
- Lawn Equipment
- Demolition Debris
- Non-Ferrous Metals

### NOT Accepted:

- Alkaline Batteries
- Oils & Paints
- Tires
- Fire Extinguishers
- Propane Tanks
- Oxygen Tanks
- Smoke Detectors
- Landscape Waste
- DVDs, VHSs, CDs, Cassettes
- Business/Contractor Waste
- Hazardous Waste/Chemicals

Sponsored by:  
Chouteau Township  
Jeff Scholebo, Highway Supervisor  
Madison County Government  
Kurt Prenzler, CPA, Madison County  
Board Chairman



PLEASE NOTE:  
Assistance for disabled or elderly  
curbside pick-up only available Friday,  
June 8th, MUST CALL:  
618-931-6333

## 2018 Sediment and Erosion Control Seminar



# Erosion, Sediment and Storm Water Control Seminar

3 PDUs or PDHs

•  
BREAKFAST  
INCLUDED



Field Day sponsored by Jersey, Madison, Monroe, and St. Clair County Soil and Water Conservation Districts

## Agenda

- 8:00 – 8:30: Registration/Visit our Vendors
- 8:30 – 8:40: Introduction
- 8:40 – 9:25: Janet Buchanan, Heartlands Conservancy
  - Watershed Planning
- 9:25 – 10:10: Mike Hartoin, Mary Weatherford, SCI Engineering
  - Stone Toe Protection
- 10:10 – 10:30: Break – Visit our Vendors
- 10:30 – 11:15: Dan Salsinger
  - Dewatering and Buffering Techniques
- 11:15 – 12:00: J. Asher Leff, U.S. Army Corps of Engineers
  - Big River Watershed Sediment Reduct

March 9, 2018  
Southern Illinois  
University Edwardsville,  
Morris University Center

Register online:  
<https://goo.gl/mGkz5K>  
Parking is FREE in Lot B

SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**



SCI ENGINEERING, INC.

**HEARTLANDS**  
CONSERVANCY  
Investing In The Nature Of Southwestern Illinois

EXHIBIT D.6/E.5-B

## 2018 Construction Site Inspector's Training



# Stormwater Phase II Final Rule

## Construction Site Runoff Control Minimum Control Measure

### Stormwater Phase II Final Rule Fact Sheet Series

#### Overview

1.0 – Stormwater Phase II Final Rule: An Overview

#### Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

2.1 – Who's Covered? Designation and Waivers of Regulated Small MS4s

2.2 – Urbanized Areas: Definition and Description

#### Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

2.10 – Federal and State-Operated MS4s: Program Implementation

#### Construction Program

3.0 – Construction Program Overview

3.1 – Construction Rainfall Erosivity Waiver

#### Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

This fact sheet profiles the Construction Site Runoff Control minimum control measure, one of six measures that the operator of a Phase II regulated small municipal separate storm sewer system (MS4) is required to include in its stormwater management program to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements and offers some general guidance on how to satisfy them. It is important to keep in mind that the small MS4 operator has a great deal of flexibility in choosing exactly how to satisfy the minimum control measure requirements.

### Why Is The Control of Construction Site Runoff Necessary?

Polluted stormwater runoff from construction sites often flows to MS4s and ultimately is discharged into local rivers and streams. Of the pollutants listed in Table 1, sediment is usually the main pollutant of concern.

According to the 2000 National Water Quality Inventory, States and Tribes report that sedimentation is one of the most widespread pollutants affecting assessed rivers and streams, second only to pathogens (bacteria). Sedimentation impairs 84,503 river and stream miles (12% of the assessed river and stream miles and 31% of the impaired river and stream miles). Sources of sedimentation include agriculture, urban runoff, construction, and forestry. Sediment runoff rates from construction sites, however, are typically 10 to 20 times greater than those of agricultural lands, and 1,000 to 2,000 times greater than those of forest lands. During a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. The resulting siltation, and the contribution of other pollutants from construction sites, can cause physical, chemical, and biological harm to our nation's waters. For example, excess sediment can quickly fill rivers and lakes, requiring dredging and destroying aquatic habitats.

Table 1

#### Pollutants Commonly Discharged From Construction Sites

Sediment  
Solid and sanitary wastes  
Phosphorous (fertilizer)  
Nitrogen (fertilizer)  
Pesticides  
Oil and grease  
Concrete truck washout  
Construction chemicals  
Construction debris

### What Is Required?

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in stormwater runoff to their MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. The small MS4 operator is required to:

- ☐ Have an ordinance or other regulatory mechanism requiring the implementation of proper erosion and sediment controls, and controls for other wastes, on applicable construction sites;
- ☐ Have procedures for site plan review of construction plans that consider potential water quality impacts;

- ☐ Have procedures for site inspection and enforcement of control measures;
- ☐ Have sanctions to ensure compliance (established in the ordinance or other regulatory mechanism);
- ☐ Establish procedures for the receipt and consideration of information submitted by the public; and
- ☐ Determine the appropriate best management practices (BMPs) and measurable goals for this minimum control measure. Suggested BMPs (i.e., the program actions/activities) and measurable goals are presented below.

### What Are Some Guidelines for Developing and Implementing This Measure?

Further explanation and guidance for each component of a regulated small MS4's construction program is provided below.

#### Regulatory Mechanism

Through the development of an ordinance or other regulatory mechanism, the small MS4 operator must establish a construction program that controls polluted runoff from construction sites with a land disturbance of greater than or equal to one acre. Because there may be limitations on regulatory legal authority, the small MS4 operator is required to satisfy this minimum control measure only to the maximum extent practicable and allowable under State, Tribal, or local law.

#### Site Plan Review

The small MS4 operator must include in its construction program requirements for the implementation of appropriate BMPs on construction sites to control erosion and sediment and other waste at the site. To determine if a construction site is in compliance with such provisions, the small MS4 operator should review the site plans submitted by the construction site operator before ground is broken.

Site plan review aids in compliance and enforcement efforts since it alerts the small MS4 operator early in the process to the planned use or non-use of proper BMPs and provides a way to track new construction activities. The tracking of sites is useful not only for the small MS4 operator's recordkeeping and reporting purposes, which are required under their NPDES stormwater permit (see Fact Sheet 2.9), but also for members of the public interested in ensuring that the sites are in compliance.

#### Inspections and Penalties

Once construction commences, BMPs should be in place and the small MS4 operator's enforcement activities should begin. To ensure that the BMPs are properly installed, the small MS4 operator is required to develop procedures for site inspection and enforcement of control measures to deter infractions. Procedures could include steps to identify priority sites for inspection and enforcement based on the nature and extent of the construction activity, topography, and the characteristics of soils and receiving water quality. Inspections give the MS4 operator an opportunity to provide additional guidance and education, issue warnings, or assess penalties. In early 2002, EPA's Office of Compliance established a national workgroup to address issues related to the construction industry. The workgroup has developed a construction industry compliance assistance Web site as a tool for builders and developers ([www.cicacenter.org](http://www.cicacenter.org)). Inspectors can use the Web site to find plain language explanations of the major environmental laws affecting the construction industry as well as guidance that can be distributed developers and construction site operators.

To conserve staff resources, one possible option for small MS4 operators is to have inspections performed by the same inspector that visits the sites to check compliance with health and safety building codes.

#### Information Submitted by the Public

A final requirement of the small MS4 program for construction activity is the development of procedures for the receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities. This provision is intended to further reinforce the public participation component of the regulated small MS4 stormwater program (see Fact Sheet 2.4) and to recognize the crucial role that the public can play in identifying instances of noncompliance.

The small MS4 operator is required only to *consider* the information submitted, and may not need to follow-up and respond to every complaint or concern. Although some form of enforcement action or reply is not required, the small MS4 operator is required to demonstrate acknowledgment and consideration of the information submitted. A simple tracking process in which submitted public information, both written and verbal, is recorded and then given to the construction site inspector for possible follow-up will suffice.

### What Are Appropriate Measurable Goals?

Measurable goals, which are required for each minimum control measure, are intended to gauge permit compliance and program effectiveness. The measurable goals, as well as the BMPs, should reflect the needs and characteristics of the operator and the area served by its small MS4. Furthermore, they should be chosen using an integrated approach that fully addresses the requirements and intent of the minimum control measure.



EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 program goal might be to educate at least 80 percent of all construction site operators and contractors about proper selection, installation, inspection, and maintenance of BMPs by the end of the permit term, which will help to ensure compliance with erosion and sediment control requirements. This goal could be tracked by documenting attendance at local, State, or Federal training programs. Attendance can be encouraged by decreasing permitting fees for those contractors who have been trained and provide proof of attendance when applying for permits.

### **Are Construction Sites Covered Under the NPDES Stormwater Program?**

**Y**es. On March 10, 2003, Phase II NPDES regulations came into effect that extended coverage to construction sites that disturb one to five acres in size, including smaller sites that are part of a larger common plan of development or sale (see Fact Sheet 3.0 for information on the Phase II construction program). Sites disturbing five acres or more were regulated previously. Most states have been authorized to implement the NPDES stormwater program and have issued, or are developing state-specific construction general permits. EPA remains the permitting authority in a few states, territories, and on most land in Indian Country, however. For construction (and other land disturbing activities) in areas where EPA is the permitting authority, operators must meet the requirements of the EPA Construction General Permit (CGP). Permitting authority information can be found in Appendix B of the CGP. CGP permit requirements include the submission of a Notice of Intent and the development of a stormwater pollution prevention plan (SWPPP). The SWPPP must include a site description and measures and controls to prevent or minimize pollutants in stormwater discharges.

Even though all construction sites that disturb more than one acre are covered by national NPDES regulations, the construction site runoff control minimum measure for the small MS4 program is needed to induce more localized site regulation and enforcement efforts, and to enable operators of regulated small MS4s to more effectively control construction site discharges into their MS4s.

To aid operators of regulated construction sites in their efforts to comply with both local requirements and their NPDES permit, the Phase II Final Rule includes a provision that allows the NPDES permitting authority to reference a “qualifying State, Tribal or local program” in the NPDES general permit for construction. This means that if a construction site is located in an area covered by a qualifying local program, then the construction site operator’s compliance with the local program constitutes compliance with their NPDES permit. A regulated small MS4’s stormwater program for construction could be a “qualifying program” if the MS4 operator requires a SWPPP, in addition to the requirements summarized in this fact sheet.

The ability to reference other programs in the NPDES permit is intended to reduce confusion between overlapping and similar local and NPDES permitting authority requirements, while still providing for both local and national regulatory coverage of the construction site. The provision allowing NPDES permitting authorities to reference other programs has no impact on, or direct relation to, the small MS4 operator’s responsibilities under the construction site runoff control minimum measure profiled here.

### **Is a Small MS4 Required to Regulate Construction Sites that the Permitting Authority has Waived from the NPDES Construction Program?**

**N**o. If the NPDES permitting authority waives requirements for stormwater discharges associated with small construction activity (see 40 CFR § 122.26(b)(15)(i)), the small MS4 operator is not required to develop, implement, and/or enforce a program to reduce pollutant discharges from such construction sites.

## For Additional Information

### Contacts

- ☞ U.S. EPA Office of Wastewater Management  
<http://www.epa.gov/npdes/stormwater>  
Phone: 202-564-9545
- ☞ Your NPDES Permitting Authority. Most States and Territories are authorized to administer the NPDES Program, except the following, for which EPA is the permitting authority:
- |                      |                          |
|----------------------|--------------------------|
| Alaska               | Guam                     |
| District of Columbia | Johnston Atoll           |
| Idaho                | Midway and Wake Islands  |
| Massachusetts        | Northern Mariana Islands |
| New Hampshire        | Puerto Rico              |
| New Mexico           | Trust Territories        |
| American Samoa       |                          |
- ☞ A list of names and telephone numbers for each EPA Region and State is located at <http://www.epa.gov/npdes/stormwater> (click on “Contacts”).

### Reference Documents

- ☞ EPA’s Stormwater Web Site  
<http://www.epa.gov/npdes/stormwater>
- Stormwater Phase II Final Rule Fact Sheet Series
  - Stormwater Phase II Final Rule (64 *FR* 68722)
  - National Menu of Best Management Practices for Stormwater Phase II
  - Measurable Goals Guidance for Phase II Small MS4s
  - Stormwater Case Studies
  - And many others
  - EPA Construction General Permit and Fact Sheet  
[www.epa.gov/npdes/stormwater/cgp](http://www.epa.gov/npdes/stormwater/cgp)
  - EPA Stormwater Management for Construction Activities and Best Management Practices: Developing Pollution Prevention Plans Guidance
- ☞ Construction Industry Compliance Assistance Center. <http://www.cicacenter.org/>

## IAFSM 2019 Annual Conference



# IAFSM

*Illinois Association for  
Floodplain and Stormwater Management*

## **2019 Annual Conference**

**Wednesday & Thursday  
March 13 & 14, 2019**

Embassy Suites by Hilton  
East Peoria Riverfront  
Hotel & Conference Center  
East Peoria, Illinois

Questions: Sarah Harbaugh  
IAFSM Executive Secretary  
<mailto:iafsm@illinoisfloods.org>  
or 630/443-8145  
[www.IllinoisFloods.org](http://www.IllinoisFloods.org)



## LOCATION AND LODGING

**Location:** The conference is at the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference Center, East Peoria, 100 Conference Center Drive, East Peoria, IL 61611, (309) 694-0200.

**Lodging:** Lodging is available at the special conference rate of \$139 per night, through Feb 18. A limited number of government-rate rooms are available for those who qualify. Please call the hotel for further details. Visit [www.embassysuiteseastpeoria.com](http://www.embassysuiteseastpeoria.com). Enter the arrival and departure dates in the upper right corner, click "more options", and enter OOD in the group code box. Then, click the blue button to check rooms and rates. Room types with the \$139 rate should appear for selection. The government rate is not available through our group code box so you need to call the hotel directly. ***The hotel's reservation deadline for this rate is February 18th.***

## REGISTRATION

**Registration:** Registration covers lunches, breaks, materials and your 2019-2020 IAFSM membership.

**Discount on or before February 10, 2019 (\$430).** If you register after February 10th the cost for the conference is \$490. The deadline for registrations and cancellations is February 24, 2019. No refunds after February 24, 2019. Please follow the link below to register on-line.

<https://www.illinoisfloods.org/event/3/7/2019-conference>

## EXHIBITORS & SPONSORS

**Exhibitors:** Companies and organizations will exhibit their products, services, and activities all day Wednesday and through the Wednesday evening social hour. Exhibitor cards can be completed by participants. Thursday during lunch there will be a drawing of returned completed cards to select door prize winners.

**Sponsors:** We invite you to be a sponsor for the annual conference or to donate a door prize. All sponsors will be identified in the conference program, at plenary sessions and during the awards luncheon along with newsletter advertising benefits. For a complete listing of Sponsor benefits please contact Sarah at [IAFSM@illinoisfloods.org](mailto:IAFSM@illinoisfloods.org).

	On or before Feb 10	After Feb 10, before Feb 24
Exhibitor Fee	\$800	\$900
Registration Fee	\$430	\$490
Full Time Student Registration Fee ( <b>2 day conference</b> ) Please contact Sarah Harbaugh at <a href="mailto:iafsm@illinoisfloods.org">iafsm@illinoisfloods.org</a> to arrange for this special rate)	\$165	\$165
Full Time Student Registration Fee ( <b>half day sessions - no meals</b> ) Please contact Sarah Harbaugh at <a href="mailto:iafsm@illinoisfloods.org">iafsm@illinoisfloods.org</a> to arrange for this special rate)	Free	Free

## CFM EXAMINATION

The Certified Floodplain Manager exam will be conducted at the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference Center, Fon Du Lac D-F, on Tuesday, March 12, 2019 from 5:00 – 8:00 PM. **If you want to take the Floodplain Manager Certification Exam on March 12, 2019 the ASFPM must receive the CFM application packet and fee by February 26th. The application packet is available on our website, <https://www.illinoisfloods.org/about-iafsm/floodplain-manager-certification>.**

## COMMUNITY RATING SYSTEM (CRS)

**CRS:** Lou Ann Patellaro, ISO will be exhibiting this year. If you are interested in the CRS or have questions please visit her at her booth in the exhibitor hall.

## CEC's & PDH's

### **Certified Floodplain Managers – CECs:**

10 Continuing Education Credits are provided toward the requirements for Certified Floodplain Managers for attending both days of the conference. Attendance is reported directly to the CFM Database.

**Professional Engineering - PDHs:** Full conference attendance provides 12 Professional Development Hours. Certificates can be picked up at the end of the conference.

Credit hours are subject to final program adjustment.

## IAFSM Conference Scholarships

We are once again offering scholarships for the IAFSM Annual Conference. Please review the notice at the end of this flyer for more information. Request deadline is February 15, 2019.

## MOBILE APP

The CrowdCompass mobile app will be used again this year, providing smart content and increased engagement opportunities to enhance your conference experience.

**Event URL:** <https://crowd.cc/iafsm2019> **App Download URL:** <https://crowd.cc/s/2oJbK>



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Illinois State Water Survey  
PRAIRIE RESEARCH INSTITUTE



**StormTrap**  
MODULAR CONCRETE  
STORMWATER MANAGEMENT

  
**RIVERACTION**

**Tuesday, March 12, 2019**  
**(PRE CONFERENCE)**

9:00 am - 3:00 pm [NFIP 101 Workshop](#) (Fon Du Lac A-C)

5:00 pm - 8:00 pm **CFM Exam** – The Certified Floodplain Manager exam will be conducted in the Fon Du Lac D-F, the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference Center. See IAFSM's website for the application for the CFM exam, <https://www.illinoisfloods.org/about-iafsm/floodplain-manager-certification>. Applications must be received by ASFPM by February 26, 2019.

**Wednesday, March 13, 2019**

- 8:00 am           Registration  
Exhibits and continental breakfast - Exhibitor hall
- 9:00 am           **Plenary Session**
- Welcome
  - IDNR Director Address
  - Illinois River History
- 10:10 am          Break - Exhibitor Hall
- 10:30 am          **Concurrent Session 1**
- 1A      Stormwater Master Planning**
- ❖ Partnerships for Resilient Communities: MWRDGC's new program for Stormwater Master Planning (60 minute presentation)
  - ❖ ON TO 2050: Stormwater strategies for a more resilient and inclusive Chicago region
- 1B      Stormwater Regulations**
- ❖ Pollution Prevention and Good Housekeeping Plan Minimum Elements: What is Needed to Comply with the ILR40 Permit
  - ❖ Stormwater 101 and Statewide County Stormwater Authority for Urbanized Areas (60 minute presentation)
- 1C      Loss Avoidance**
- ❖ Jersey County Loss Avoidance
  - ❖ Are you SAFR not? A Flood Risk Identification GIS WEB Mapping Application
  - ❖ Upper Mississippi River Inundation Damage Assessment
- 1D      Case Studies**
- ❖ Stormwater Study Using Optimizer
  - ❖ Ensuring the Resiliency of the Electrical Grid
  - ❖ North Sandwich Stormwater Conveyance Analysis Study
- 12:00 pm          Lunch
- Brian "Fox" Ellis – "Singing a River's Story" – See Brian's photo and biography at the end of this flyer
- 1:30 pm          **Concurrent Session 2**
- 2A      Urban Flooding**
- ❖ Real Time Operations of Busse Reservoir in the Flood of February 2018
  - ❖ Flooding Outside the Lines: Applying TWI to the Problem of Urban Flooding
  - ❖ Common Causes of Residential Flooding – Glenview's Local Drainage Inspection Program

**2B Stormwater Planning**

- ❖ A New Look at a Timeworn Problem: Southwest Harriet Feasibility Study
- ❖ Des Plaines River Watershed Plan and WebApp
- ❖ Development of the DuPage River Feasibility Study

**2C Erosion and Stream Restoration**

- ❖ Engineering Natural Streams with the Built Environment – How the Greater Peoria Sanitary District Weathered Mother Nature
- ❖ Saving a Sanitary Sewer: A Stream Restoration Story
- ❖ Stream Restoration – Case Studies

**2D Apps and Tools**

- ❖ An Intro to FREE Open Source GIS
- ❖ Decision Modeling: Data Analytics for Stormwater Project Selection and Risk Analysis
- ❖ MMSD's Green Infrastructure Plant Selection Tool

1:30 - 5:00 pm **Demonstration Event:** Come watch "Carp Cowboys" transform the Illinois River in front of the hotel into a giant booby trap for Asian Carp. To demonstrate on-going non-structural Asian Carp control measures in Illinois, contracted commercial fishermen will herd the fish into their nets by startling them with loud noises using their outboard motors and clubs banging on the sides of their boats. There will be no additional charge for this demonstration. *Day/time to be determined based on current fishing schedules.*

3:00 pm Break - Exhibitor Hall

3:20 pm **Concurrent Session 3**

**3A Stormwater Management**

- ❖ Evaluating Release Rates for Specific Watersheds in Cook County
- ❖ Stormwater Management for Solar Farms
- ❖ Sustainable Urban Stormwater Volume Reduction

**3B Regulatory**

- ❖ The Path from State Statutes to Safe Department Regulations to Free-Flowing Streams
- ❖ IDNR/OWR Temporary Construction and Permit Revision Requirements
- ❖ Hydrology Documentation for the IDNR/OWR, Getting it Right the First Time (short version: Hydrology Documentation)

**3C Green Infrastructure**

- ❖ Green Infrastructure – Lessons from the Field
- ❖ Opportunities for Biosolids Compost for Green Storm Infrastructure (GSI) in the Chicago Area
- ❖ The Rock Island Drainage Assistance Program (RIDAP)

**3D 2-D Modeling**

- ❖ Hydraulic Design & Permitting of a 5,000-ft. Long Crossing of the Illinois River utilizing 1D (HEC-RAS) and 2D (SRH-2D) Modeling
- ❖ Improving Floodplain Accuracy with a HEC-RAS Combined 1D/2D Model
- ❖ Taming the Tanana: Complex River Modeling of a 3,300-ft Bridge over a Braided River in Interior Alaska

4:50 - 6:30 pm Social Hour - Exhibitor Hall



## Thursday, March 14, 2019

7:30 - 8:50am	IAFSM Board Meeting
8:00 am	Registration & Continental Breakfast
9:00 am	<b>Plenary Session</b> <ul style="list-style-type: none"><li>• IDNR-OWR Comprehensive Update</li><li>• Bulletin 70 Update</li><li>• Ottawa CRS Class 2 Recognition</li></ul>
10:10 am	Break
10:30 am	<b>Concurrent Session 4</b> <b>4A Large Scale Projects</b> <ul style="list-style-type: none"><li>❖ The Albany Park Stormwater Diversion Tunnel – A Construction Management Perspective</li><li>❖ A River Runs Through it: A Look at the Flood Protection System for Cedar Rapids, Iowa</li><li>❖ The Estabrook Dam Removal</li></ul> <b>4B Local Officials</b> <ul style="list-style-type: none"><li>❖ 2017 Community Rating System Coordinator's Manual</li><li>❖ Overcoming Common Obstacles for Entry into the CRS Program</li><li>❖ Kirkland Probation</li></ul> <b>4C Wetlands</b> <ul style="list-style-type: none"><li>❖ The Status of the 2015 Clean Water Rule in Illinois – A Never Ending Saga</li><li>❖ Top 10 Lessons Learned in Native Vegetation Management, From Design to Sign-Off</li><li>❖ Floodplain and Stream Enhancement in an Urban Watershed: A Case Study</li></ul> <b>4D Low Impact Design</b> <ul style="list-style-type: none"><li>❖ Low Impact Design When Your Offsite Tributary Area Dwarfs the Project Area</li><li>❖ Trees &amp; Water Sensitive Urban Design</li><li>❖ Illinois Nutrient Loss Reduction Strategy's Urban Stormwater Working Group: a collaborative way to improve state-wide water</li></ul>
12:00 pm	Lunch <ul style="list-style-type: none"><li>• Awards Luncheon</li><li>• Vendor Door Prizes</li></ul>
1:30 pm	<b>Concurrent Session 5</b> <b>5A 2-D Modeling Round Table</b> <ul style="list-style-type: none"><li>❖ 2-D Modeling Round Table (90 minute panel discussion)</li></ul> <b>5B Mitigation</b> <ul style="list-style-type: none"><li>❖ IDNR/OWR Mitigation Program</li><li>❖ 10 Lessons Learned from 20+ Flood Response Plans</li><li>❖ The Transitory Island of Ottawa</li></ul> <b>5C Apps and Tools</b> <ul style="list-style-type: none"><li>❖ Smart Tools for MS4s: Integrating Ecological Restoration and GIS Platforms</li><li>❖ Highs and Lows – GIS Applications</li><li>❖ Illinois StreamStats: Status and Current Projects</li></ul> <b>5D Mapping</b> <ul style="list-style-type: none"><li>❖ Zone VE: Coming Soon to a Great Lake Near You</li><li>❖ Community's Rights and Responsibilities for Floodplain Mapping</li><li>❖ Updates on FEMA Region V Levee Process</li></ul>
3:00 pm	Adjourn

## Brian "Fox" Ellis

Brian "Fox" Ellis is an internationally acclaimed author, storyteller, historian, and naturalist. He has worked with The Abraham Lincoln Presidential Library and Museum, The Field Museum and dozens of other museums across the country. Fox is a highly sought keynote speaker at regional and international conferences including the International Wetlands Conservation Conference, National Science Teachers Association Conference and the North American Prairie Conservation Conference, et al. Fox is also the Artistic Director for Prairie Folklore Theatre a unique theatre company that celebrates ecology and history



through original musical theatre productions. He is the author of 16 books including the critically acclaimed Learning From the Land: Teaching Ecology Through Stories and Activities, (Libraries Unlimited, 2011), the award winning children's picture book The Web at Dragonfly Pond, (DAWN Publications, 2006) and Content Area Reading, Writing and Storytelling (Teacher Ideas Press 2010). Many of his stories are also available on one of 12 CDs. He and his wife run a Bed and Breakfast in Bishop Hill, Illinois, [The Twinflower Inn](#).

## State and Local Official Scholarships to attend the IAFSM conference



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March 13 and 14, 2019 in East Peoria, Illinois

Stretch your training and travel funds by taking advantage of the Illinois Association's State and Local Officials Scholarship to attend the Illinois Association for Floodplain and Stormwater Management annual conference. The conference is a wonderful way to share experiences and ideas with other floodplain management professionals and also allows CFMs to get CEC credits. The scholarship includes registration fees. IAFSM does not cover transportation, per diem or lodging. This year the conference will be held at the Embassy Suites; Peoria Riverfront Conference Center in East Peoria, Illinois. IAFSM has a block of rooms available at a special rate of \$139 plus tax.

### Requirements-

1. Priority given to first time conference attendees.
2. IAFSM members only. (You must register as a member before you are considered eligible for the scholarship. Annual Membership Fee is \$25.00)
3. You must be a state, county, or local government official.

### Details-

- IAFSM will pay registration fees.
- Transportation, hotels, and per diem must be paid by the scholarship recipient.
- Scholarship recipients are expected to attend conference sessions.
- Scholarship recipients must be willing to volunteer if requested.
- Requests should be on official state, county, or city letterhead.
- Request deadline is February 15, 2019.

There are a limited number of scholarships available. Please send a letter detailing your interest in receiving this scholarship, your official position, along with any applicable information that you feel might provide you with priority consideration to

Diane Bouckaert, Education Chair;  
Manhard Consulting  
700 Springer Drive, Lombard, Illinois 60148.  
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(630)925-1055  
\*\*I will contact you with confirmation of receipt.

Full details on the IAFSM 2019 Conference are located at [www.illinoisfloods.org](http://www.illinoisfloods.org)