

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 _____

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 2019-2020 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 2019-March 2020:

- 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, 2019 To March, 2020

Permit No. ILR40 0186

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

Name: CITY OF EDWARDSVILLE Mailing Address 1: 200 EAST PARK STREET
Mailing Address 2: _____ County: Madison
City: EDWARDSVILLE State: IL Zip: 62025 Telephone: 618-692-7535
Contact Person: JIM PISETTA Email Address: jpiSETTA@cityofedwardsville.com
(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
CHOUTEAU TOWNSHIP, EDWARDSVILLE TOWNSHIP PIN OAK TOWNSHIP

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

ERIC D. WILLIAMS, P.E.

Printed Name:

5/1/2020

Date:

DIRECTOR OF PUBLIC WORKS

Title:

EMAIL COMPLETED FORM TO: 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

IL 532 2585 WPC 691 Rev 6/10 This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

COMMUNITY NAME: City of Edwardsville

PERMIT #: ILR400186

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2019 through March 2020

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
BMP No. A.1- Distributed Paper Materials- Informational Brochures								
Milestone For Reporting Year: Brochures were posted in a public location and available to residents.								
		X	The City has stormwater brochures available to residents at the City of Edwardsville Public Works Office in the Lobby.			X	The City will continue to make brochures available through the upcoming permit cycle.	Ongoing through 2016-2021 permit cycle.
BMP No. A.4- Community Event- attend and participate in water-quality oriented public events								
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 and the Mississippi EarthTones Festival.	See Page 10 and Exhibits A.4-A to A.4-B for more information.		X	The County will continue to attend at least two water related events per year.	Ongoing through 2016-2021 permit cycle.
BMP No. A.5- Classroom Education Material								
Milestone For Reporting Year: No specific milestone.								
		X		Review of Classroom Educational Materials See Page 10 and Exhibit A.6-A		X	The City will work with the County to coordinate educational opportunities.	Ongoing through 2016-2021 permit cycle.
BMP No. A.6- Educational Presentations								
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.	See Page 10 and Exhibit A.6-A for more information.		X	The County will continue involvement in educational programs.	Ongoing through 2016-2021 permit cycle.

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PERMIT #: ILR400186

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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

BMP No. B.2.c- Public Involvement /Participation

Milestone For Reporting Year: Schedule one public meeting per year where residents can provide input on existing stormwater programs.

	X	The City of Edwardsville discussed their MS4 program at a public meeting held on February 11, 2020.		X	The City will continue to provide an annual public meeting.	Ongoing through 2017-2021 permit cycle.
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BMP No. B-6- Program Involvement- Coordinate Meetings and Annual Reports

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 2019-2020 permit year. Meetings were held: - March 27, 2019 - June 12, 2019 - September 11, 2019 - December 11, 2019 A representatives from the City attended all meetings.	See Page 10 and attached Exhibit B.6/ F.1-A for review of meetings and topics.	X	The City will continue to meet with the Co-Permittee Group to share BMPs and training opportunities.	Ongoing through 2016-2021 permit cycle.
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BMP No. B.7- Other Public Involvement- Participate in Recycling, Sustainability and Green Infrastructure Programs

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 10 - 11 and Exhibit B.6-C through B.6-H	X	The City will continue to participate in and promote programs related to stormwater activities.	Ongoing through 2016-2021 permit cycle.
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COMMUNITY NAME: City of Edwardsville

PERMIT #: ILR400186

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2019 through March 2020

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	
BMP No. C.1- Storm Sewer Map Preparation											
Milestone for Reporting Year: Collect all available outfall mapping data											
		X	The City is 100% complete with their outfall mapping program.				X		The City will review map completeness and update with revised or new storm sewer systems.	Ongoing through 2016-2021 permit cycle.	
BMPs No. C.2, C.9- Regulatory Control Program- Ordinance language for Illicit discharge/public notification											
Milestone for Reporting Year: Modifications to the ordinance will be completed as part of this process. Communication brochures will be distributed throughout the community.											
		X	The City's Stormwater Ordinance contains a section on illicit discharge. 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.				X		Enforce illicit discharge ordinances regularly.	Ongoing through 2016-2021 permit cycle.	
BMP No. C.5- Inlet Stenciling											
Milestone for Reporting Year: Complete a survey sample of inlet markers installed previously and assess conditions.											
		X	The City is currently developing a stenciling program. The presence and condition of inlet markers is being confirmed by Madison County and IEPA during routine audits. Replacement of missing and worn inlet markers is ongoing.				X		Continue to replace missing and worn inlet markers.	Ongoing through 2016-2021 permit cycle.	
BMP No. C.7- Visual Dry Weather Screening- Illicit Discharge Detection											
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 12, 2019 quarterly meeting.				X		Continue to conduct inspections of City facilities and outfall points.	Ongoing through 2016-2021 permit cycle.	

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IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2019 through March 2020

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Comment	YES	NO		YES	NO	Activity	Schedule
BMPs No. D.1 and E.2 and D.4 and E.3 and E.4- Site Plan and Pre-Construction Review Procedures							
Milestone for Reporting Year: Madison County provided an update to the Co-Permittee Group on progress with the Stormwater Master Plan							
		X	The City's Stormwater Ordinance contains sections on construction site runoff control. It is displayed on the City Website. Madison County has continued to work towards a county-wide Stormwater Master Plan.			X	Continue to enforce erosion and sediment control ordinances. Ongoing through 2016-2021 permit cycle.
BMP No. D.2- Erosion and Sediment Control BMP's							
Milestone for Reporting Year: Include BMP training in one quarterly meeting							
		X	BMP training was provided during the December 11, 2019 quarterly meeting, as well as offered during a Madison County sponsored Erosion and Sediment Control Field Day. The City attended the meeting.	See Page 11 and Exhibit D.2 - A for more information.		X	Continue to attend training as part of Co-permittee group. Ongoing through 2016-2021 permit cycle.
BMP No. D.5- Stormwater Hotline							
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.
BMPs No. D.6 and E.5- Training for Construction Site Inspectors							
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 City has one CESSWI certified inspector on staff 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.	See Page 11 and attached Exhibit D.6/E.5- A for training.		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 2019 through March 2020

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? If attached information, describe.		D. Summarize the stormwater activities you plan to undertake with an implementation schedule	
Comment	YES	NO		YES	NO	Activity	Schedule
BMP No. F.1- Employee Training Program							
Milestone for Reporting Year: The Co-Permittee Group will hold and Operations Training class as part of continuing education opportunities.							
		X	The City sent a representative to the following training opportunity: The Madison County Health Department held Larvicide Application Training for municipalities and townships on April 30, 2019 covering the application of larvicide briquettes.	See Page 10 and attached Exhibit B.6/ F.1-B for Larvicide Training. See Page 11 and attached Exhibit F.1-C for Annual Conference.	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.
BMP No. F.2- Monitoring, Sampling, & Inspection Requirements - Inspection and Maintenance Program							
Milestone for Reporting Year: Evaluate storm water quality and impacts with quarterly visual inspections of outfall points.							
	X		The document is located at Outfall testing - Old Poag Road Bridge Area 1 st Quarter Test on: June 13th, 2019 2 nd Quarter Test on: August 14th, 2019 3 rd Quarter Test on: December 17th, 2019 4 th Quarter Test on: February 10th, 2020		X	The City will continue to provide quarterly inspections at outfall points.	Ongoing through 2017-2021 permit cycle.
BMP No. F.3- Other Municipal Operations Controls- Standard Operating Procedures							
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 as needed.		X	Operation procedures will be reviewed annually and modified as appropriate.	Ongoing through 2016-2021 permit cycle.

ADDITIONAL INFORMATION

BMP A.4	<p>Water Quality Oriented Public Events - Water Festival See attached Exhibit A.4-A.</p>
BMP A.4	<p>Water Quality Oriented Public Events - Mississippi Earthtones Festival See attached Exhibit A.4-B.</p>
BMP A.5	<p>Classroom Educational Materials - Madison County Soil and Water District 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>
BMP A.6	<p>Classroom Educational Materials - Madison County Green Schools Program 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-A for additional details.</p>
BMP B.6/F.1	<p>Stakeholder Meetings - Co-Permittee Group Training Opportunities The Madison County MS4 Co-Permittee Group held four quarterly training meetings during the 2019-2020 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 2019. See attached Exhibit B.6/F.1-B.</p>
BMP B.6	<p>Community Events 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 2019. See attached Exhibit B.6-C.</p>

ADDITIONAL INFORMATION

BMP B.6	<p>Community Events</p> <p>Madison County managed a Christmas Tree recycling program in conjunction with area public works and township highway departments from late December 2019 to mid January 2020. 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.6-D for additional details.</p> <p>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.6-E.</p> <p>Madison County Sponsored a tire recycling collection in October 2019 with a total of 37 participating government entities recycled approximately 118.75 tons. See attached Exhibit B.6-F.</p> <p>Madison County sponsored a household hazardous waste collection in September and October of 2019 where Illinois residents could bring paints, gas, oils, degreasers, fluorescent bulbs, and other household hazardous waste items for free disposal. See attached Exhibit B.6-G.</p> <p>Meadowbrook Area hosted a community clean-up day during May of 2019. See attached Exhibit B.6-H.</p>
BMP B.7	<p>Other Public Involvement</p> <p>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-A for more details.</p>
BMP D.2	<p>Erosion and Sediment Control BMP's</p> <p>Madison County sponsored an Erosion and Sediment Control Field Day on February 28, 2020 to provide additional training to professionals in the community on various storm water controls. See attached Exhibit D.2-A.</p>
BMP D.6/E.5	<p>Training for Construction Site Inspectors</p> <p>At the June 12, 2019 co-permittee group quarterly meeting Madison County provided a training workshop for construction site inspectors. A presentation was provided by professional staff focusing on the importance of construction site runoff control, as well as post-construction runoff control. The presentation provided resources for construction site inspectors, as well as information regarding IEPA's Stormwater Phase II Final Rule for Post-Construction Runoff Control Minimum Control Measure. See attached Exhibit D.6/E.5-A.</p>
BMP F.1	<p>Employee Training Program</p> <p>Madison County attended the 2020 Illinois Association for Floodplain and Stormwater Management Annual Conference on March 11th and 12th, 2020. See attached Exhibit F.1-C.</p>

ADDITIONAL COMMUNITY ACTIVITIES

Community Name: City of Edwardsville

Permit #: ILR400186

List any additional community-sponsored activities performed between March 2019 and March 2020 not listed in *Notice of Intent (NOI)* submittal, but which addresses one of the six minimum control measures:

- The City has a contract through Republic Services to hold a large item pickup, recycling programs, and a yard waste pickup.
- The City maintains one (1) 20-cy and two (2) 8-cy dumpsters at their M Street facility for trash and debris cleaned from ditches and roadways. These dumpsters are emptied on a weekly basis.
- As part of regular maintenance, the City cleaned 105 catch basins/inlets.
- The City cleaned 1,000 hours' worth of streets. The City disposed of the wastes into a dumpster at the M Street facility.
- The City cleaned 477 stormwater grates and 134 culverts during the permit year.

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 City is part of the Madison County Co-Permittee Group.

F. List of Construction Projects during the Current Reporting Year

Permit #	Project	Status
	Plummer Family Park	Completed
	Edwardsville Town Ctr	Completed
	Whispering Hgts	Completed
	Ironworks	Completed
	Tower Ave Shared Use Path	Completed
	Timberlake Village	Completed
	157 Plaza Joint Venture	Completed
	Hawthorne Hills Phase 2	Completed
	Hale Avenue	Completed
	5 th Avenue	Completed
	Ridgeview Road – Regional Lift Station	Ongoing

2019 Lewis & Clark's 17th Annual Water Festival



The National Great Rivers
Research & Education Center

L&C LEWIS & CLARK
COMMUNITY COLLEGE

Empowering People



Lewis & Clark's 17th Annual Water Festival



Sponsors

RAINDROP

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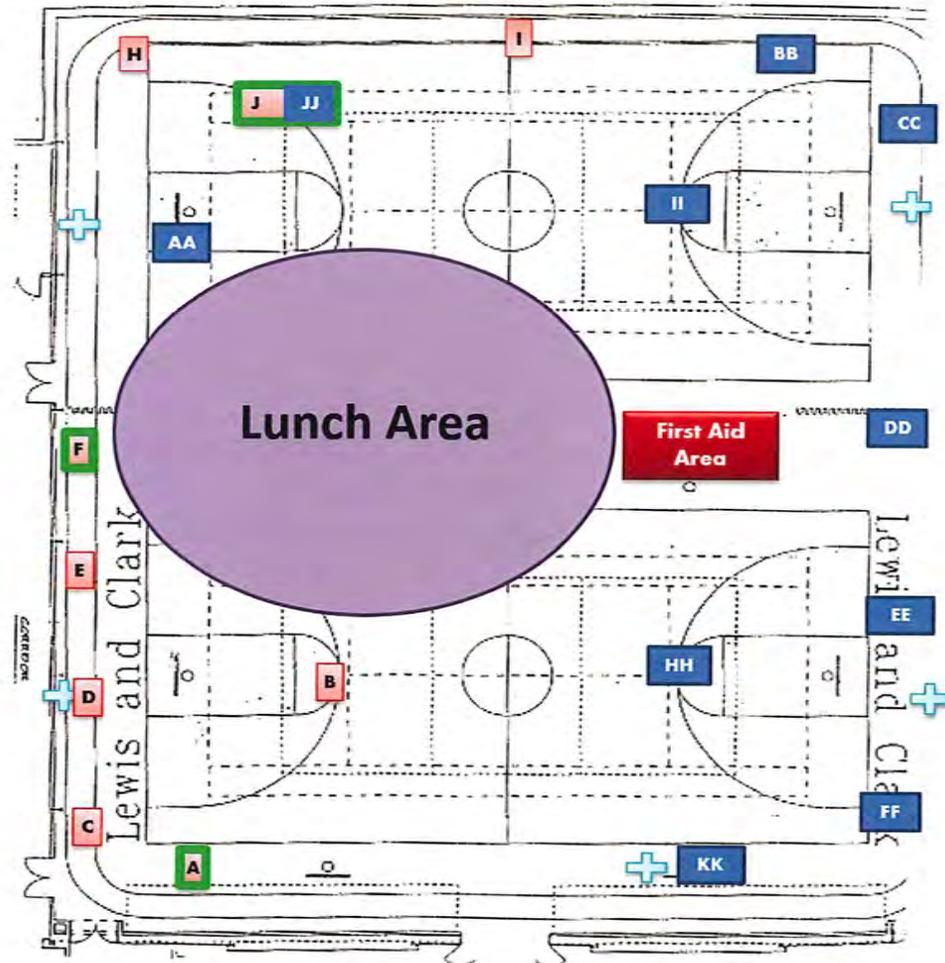


WATERSHED



Indoor Event Map

(in case of rain)



School Check-In

Volunteer & Exhibitor Check-In

POD #1

POD #2

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

Outlets

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

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

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 chlorophyll and use some of the various equipment. We will also talk about macros as biological indicators and show preserved specimens.

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.

Learn about different management tools and techniques to improve habitat for wildlife and improve water quality. The NGRREC Habitat Strike Team will provide demonstrations and lead an interactive discussion that showcases these practices.

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 will be introduced to a live pelican and learn about its life history and association to the Mississippi River

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	United States Fish and Wildlife Service	USFWS	Mississippi Migration
BB	Illinois Environmental Protection Agency	IEPA - Filtration	Tools Used to Assess Illinois' Water Quality
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	National Great Rivers Research and Education Center	NGRREC - Tools	Restoration Tools and Techniques for Watersheds
HH	The Nature Institute	TNI	The Incredible Journey
II	Treehouse Wildlife Center	TreeHouse	Waterways and Wildlife
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.



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 Macro Mayhem	Macro Mayhem	Students learn about how pollution affects aquatic macroinvertebrates (water bugs) by playing a special game of tag.
C	Illinois Environmental Protection Agency	IEPA - Groundwater	Get the Groundwater Picture	Groundwater importance will be demonstrated with a groundwater game, well pump, & rock samples.
D	National Great Rivers Research and Education Center	NGRREC - H2O Footprint	Water Footprints	After learning about the number of gallons of water used in household tasks, students will use dry erase sheet and markers to calculate their own water footprints. Afterwards, they will brainstorm ways to reduce their water footprints at home.
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	Missouri Botanical Gardens	MOBOT	Duckweed Demo	The display will consist of a touch tank/ aquarium of duckweed and associated organisms. Students will be able to view the duckweed under a microscope and see changes in water quality due to the plant.
H	1Mississippi	1Mississippi	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	Madison County Government, Planning and Development Dept.	Madison Co.	Greening Madison County	Students will discuss and participate in two hands-on activities to visually demonstrate the impact development and stormwater management have on a mock riverfront development/ watershed.
J	Illinois Department of Natural Resources	IDNR Fishing	Urban Fishing	Students will learn proper casting while spending time fishing in the campus pond.
K	United State Army Corps of Engineers	USACE	The Mystery of the Missing Mussels	Through an interactive game, students become mussels during the mother of pearl industry era and learn about biodiversity. The program also includes historical photos and items. This program shows how important it is to have clean water for ourselves and the river ecosystem.
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.

2019 13th Annual Mississippi Earthtones
Festival

Dear Friend of the Mississippi,



Alton Main Street and the Sierra Club are seeking sponsors, exhibitors and vendors for the **13th Annual Mississippi Earthtones Festival to be held on Saturday, September 21st, 2019** on Broadway, between Alton and Henry Streets. Our goal is to bring the community to Downtown Alton to celebrate Illinois watersheds through education, recreation and conservation. At this free & family-friendly event, we will have hands-on informational booths, live music, art displays, nature crafts, great food, and a river litter clean-up.

The MEF is our area's premier showcase for nature & conservation based groups and eco-friendly businesses, so don't miss this great opportunity to share information about your services and products with the public. We are also putting the spotlight on local sustainable artists at this environmentally themed event! We will be advertising and generating coverage through regional media, so we expect thousands of people to attend this 13th annual event from Noon-10pm.

Levels	Sponsorship Benefits / Booth Details
Watershed Sponsor \$1000	<ul style="list-style-type: none"> • Specific mentions in Advantage News & Telegraph ads plus on WBGZ Radio • First-tier placement of your company logo on festival t-shirts • First-tier visibility of company logo on posters, event program, on-site donor board and space for self- provided stage banners • Mentioned on stage 5 times, including before the headlining entertainment • 10' x 10' booth space, if desired
Mississippi River \$500	<ul style="list-style-type: none"> • Specific mentions in AdVantage News & Telegraph ads plus on WBGZ Radio • Second-tier placement on company logo on festival t-shirts • Second-tier visibility of company logo on posters, event program, on-site donor board and space for self- provided stage banners • Mentioned on stage 3 times, including before the headlining entertainment • 10' x 10' booth space, if desired
Illinois River \$300	<ul style="list-style-type: none"> • Third-tier visibility of company logo on posters, event program, and donor board • Mentioned on stage before the headlining entertainment • 10' x 10' booth space, if desired
Piasa Island \$100	<ul style="list-style-type: none"> • Fourth-tier visibility on event program and donor board. • 10' x 10' booth space, if desired
For-profit business \$100 / \$50	<ul style="list-style-type: none"> • 10' x 10' booth space to sell or display nature related or sustainable items • \$100 for food vendors / \$50 for merchandise vendors
Non-profit/educational \$25	<ul style="list-style-type: none"> • 10' x 10' booth space • You are required to provide an educational activity • You are allowed to sell nature-related items for fundraising purposes
Downtown Business Free!	<ul style="list-style-type: none"> • 10' x 10' booth space to promote, sell or display nature related or eco-friendly items. *Please note: Shopping locally definitely counts as being more sustainable than purchasing from a big-box store! We understand that your specific business might not fall into the "eco-friendly" category, so please give us a call and we'll help you get creative on your messaging or activity!

Thank you very much for your consideration & support of this beloved community event!

For more info, please contact:

Sara McGibany – Executive Director, Alton Main Street
(sara@altonmainstreet.org or 618-463-1016)

Christine Favilla – Three Rivers Project Coordinator, Sierra Club – Piasa Palisades Group
(christine.favilla@sierraclub.org or 618-401-7870)

Green Schools Program
(GSP)



MADISON COUNTY
Green Schools Program



2019-2020 Program Guide for Educators 

Curriculum, Countywide Programs,
Tips, Tools, and More



Acknowledgements

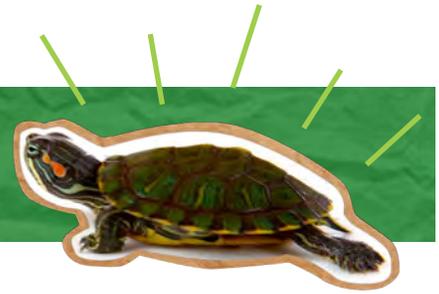
Special thanks to Matt Brandmeyer and Kim Petzing of Madison County Planning and Development, as well as the Madison County Board members who serve on the Planning and Development Committee and support the Resource Education Program. Madison County Green Schools Program Handbook written and designed by Eve Drueke, 2018.

MADISON COUNTY Green Schools Program

2019-2020 Program Guide for Educators



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Dear Educator,

I hope you have had a smooth transition into the 2019-2020 school year. As the new Green Schools Coordinator, I want you all to know that I am here to support you in your roles with resources, learning materials, and grant opportunities. As educators, I understand that you are very busy in your roles and I greatly appreciate your interest and participation in the Green Schools Program. Whether you are a veteran of the program or this is your first year, please know that the Green Schools Program is designed to serve the needs of local educators and to help you integrate environmental education practices in your classroom.

In this guide, you will see that the Green Schools Program supports 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. In the following pages you will find offerings on standard-aligned lesson plans, learning kits for teacher loan, simplified steps for program enrollment, and planning tools to help you recruit school-wide support and to meet your set goals.

If you have any questions, comments or concerns about the Green Schools Program, I am just a quick phone call or email away.

Bailey

Bailey Lutz
Coordinator, Madison County Green Schools Program



Program Overview

Madison County's Green School 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.

The Madison County Green Schools 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.

Formerly known as the Resource Education Program, the Madison County Green Schools 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.

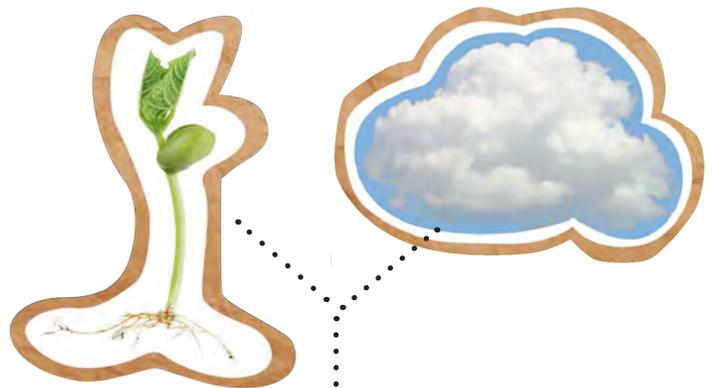


The Madison County Green Schools Program is excited to share the second edition of its Curriculum Catalog, a set of standards-aligned lesson plans and learning activities that address human-environment interaction, local ecology, and other geological and geographical concepts.

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 Green Schools Program (GSP)** 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 Green School Program.



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 GSP-sponsored programs to participate in.



Take Small Steps (For Big Change)

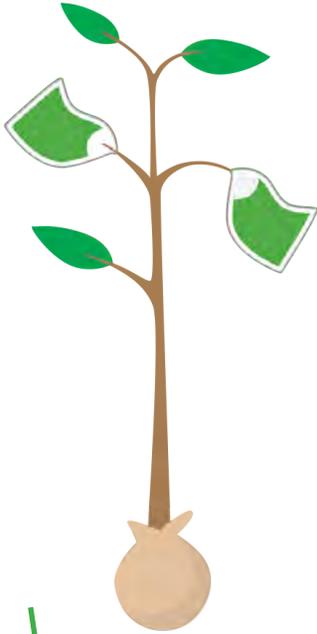
Schools can participate by teaching from provided standards-aligned lessons, conducting materials collection, implementing policies and practices to reduce waste, and entering program competitions.



Receive Support
Madison County Green Schools 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 the Madison County GSP 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, 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 Green Schools 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 Green Schools programming and utilize its signature set of lesson plans. Contact the Program Coordinator for information on how Madison County Green Schools can help support your homeschool group's educational goals.

How Does My School Participate?

Active participants in the Green Schools Program must meet the following requirements to be eligible for awards, stipends, and grants:

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

Receive your \$100 stipend when you complete enrollment information online by October 11th 2019. 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.

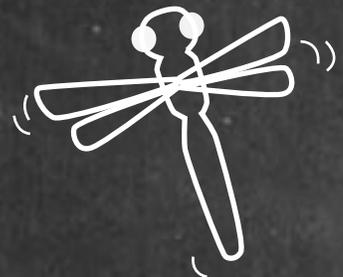


Sign up for a Terracycle Zero Waste box and help your school reduce its waste by recycling unusual items, from action figures to athletic balls.



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 in read-along.



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





**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.



Pollution Solution: Community Planning Simulation, Grades 4-5

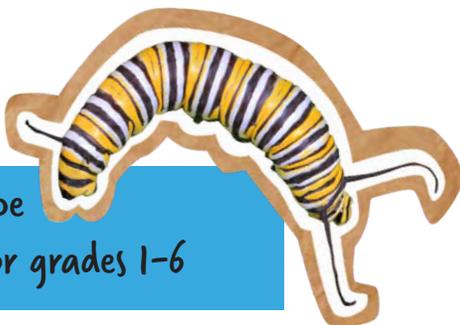


What does Social Science have to do with a healthy environment? Plenty! In this critical thinking activity, student teams design their own communities, complete with services, businesses, and institutions most towns and cities need. Planners identify the types of land, air, and water pollution generated 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

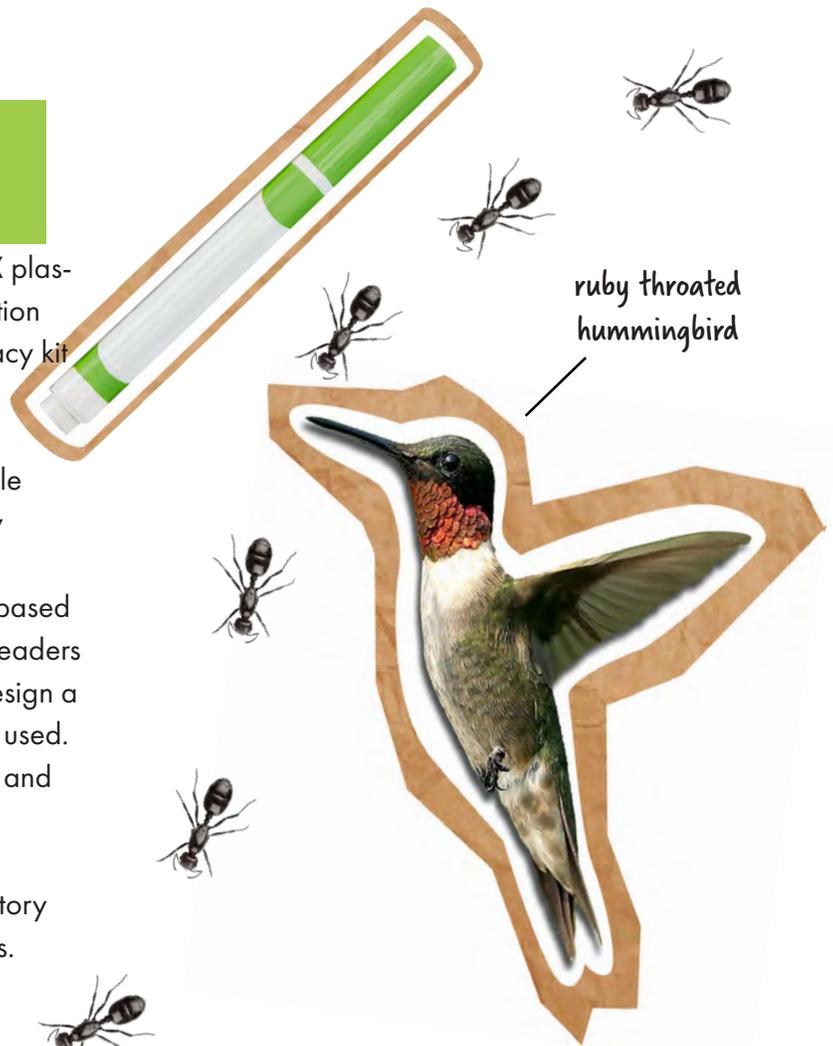
Bring scientific concepts to life with lessons using the EnviroScape, a 3-dimensional landscape model that includes towns, roads, farmland, and natural bodies of water. Students engage in "learning by doing" as they simulate rainfall and observe how pollutants travel from land to the water in our communities. 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 Green Schools 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.

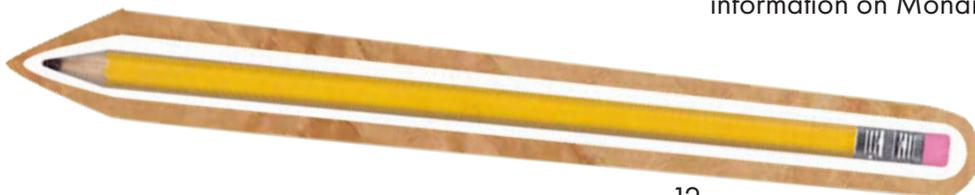


Shoeman Water Project: Accompanying Lesson Plan, Modifications available for grades 1-6

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:

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 _____

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."

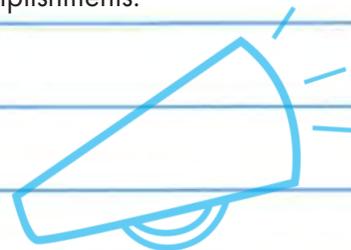
"Our school has recycled 2,000 pounds of paper this month. That's approximately 16 trees! Way to go!"



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.

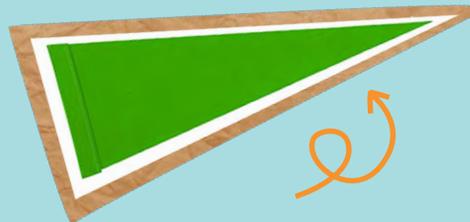
Have contests—decorate recycling bins, hold students-versus-teachers, class-versus-class, or grade-versus-grade contests to see who can be the most effective recyclers, etc.



Remind and review during school announcements and morning meetings.



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



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

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.

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?



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.



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 2020 Year-End Celebration; Madison County Green Schools 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 County Green Schools 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 Green Schools Program. To be eligible, the applying school must have completed and submitted its 2019-2020 Goals and Interests Survey.

Funds can be used to purchase waste-reduction and energy-saving equipment such as composting bins, water bottle refilling stations, energy-saving light bulbs, 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 an application for Green Seed Grants, visit www.madisoncountyplanning.com and click on "Green Schools 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 2019-2020 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
madisoncountyplanning.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 Green Schools 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 2019-2020 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 (501 c3) organization of the school's choosing.

Coordinator of the Year

This award recognizes a School Coordinator who has demonstrated a commitment in organizing, managing or leading activities for their school as part of the Madison County Green Schools 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 2019-20 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 Green Schools 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, 2019-2020

October

11 Goals and Interests Survey due for \$100 stipend

November

15 America Recycles Day

15 Trex Plastic Film Collection contest begins

December

13 Green Seed Grant applications due

January

24 Trashformations participation paperwork due

Educator workshop, date TBD

March

13 Clean Air Bookmark entries must be postmarked

April

10 Bookmark winners announced

17 Nominations for yearly awards and recognition due

17 County-level Trashformations entries due at County Administration Building

17 PhotoVoice entries due online

22 Earth Day

27 Trashformations on display in County Administration building

May

1 Online year-end reporting sheets due

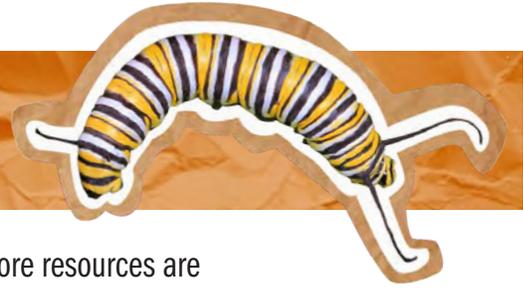
1 Trashformation display ends

6 End-of-year ceremony (time and location TBD)

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 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

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
2019-2020 Quarterly Meeting Agendas

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 3rd 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

AGENDA

MS4 (Quarterly) Co-Permittee Group Meeting

Wednesday June 12, 2019 9:30 AM

Madison County EMA

101 E. Edwardsville Rd.

Wood River, IL. 62095

Introductions

Tony Schenk – Gonzalez Companies

Ashley Lengerman – Gonzalez Companies

Flooding Update

Tony Falconio

Training Info

CESSWI

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) – Nearing Completion
4. Wood River and Piasa Creek Watersheds – Flood Surveys

MS4 Audits Update

5. List of Audit remaining for 2018-19?? Wayne

Annual Reports

6. Data Collection & Record Keeping Information – Ashley Lengerman (Gonzalez)

Coming Events – 2019

7. HHW Collections
 - a. September 28, 2019 - Lewis & Clark CC
 - b. Troy – Still working on location & date
8. Electronics Recycling Collections (4)
 - a. Village of Grantfork (Complete) 3/30/19
 - i. 178 vehicles come through representing 192 households and approximately 32,788 lbs. of electronic recyclables.
 - b. Collinsville (Complete) 5/18/16
 - c. Alton (Tentative) September 14, 2019
 - d. Granite City (Nameoki Township) November 9, 2019
9. Tire Collection (Tentative) TBD
10. Mosquito Larvicide Training – Completed 4/30/19
 - a. Contact the Health Department with questions

News Updates

11. Illinois EPA Updates – Wayne

Discussion Topics – Operations & Maintenance Training

12. Erosion and Sediment Control Case Studies - Tony Schenk (Gonzalez)
13. Eleanor Schumacher – Updates

Down the Road

14. Next Meeting: Wednesday September 11, 2019 at 9am

AGENDA

MS4 (Quarterly) Co-Permittee Group Meeting

Wednesday September 11, 2019 9:00 AM

Madison County EMA

101 E. Edwardsville Rd.

Wood River, IL. 62095

Introductions

Tony Schenk – Gonzalez Companies

Danelle Haake

Flooding Update

Tony Falconio

Training Info

CESSWI

Watershed Plans - Update

1. Highland Silver Lake Watershed - 319 Grant(Projects underway)
2. Cahokia/Indian/Canteen Creek – 319 Grant Application(Waiting to hear back from IEPA)
3. American Bottoms – Water Resource Inventory (WRI) Completed, writing of plan
4. Wood River and Piasa Creek Watersheds – Flood Survey ended 8/31/19

Discussion Topics – Road Salt & Good Housekeeping

5. “Road Salt: Why and How to Reduce Our Use” - Danelle Haake (SLU)
6. Good Housekeeping & Maintenance – Tony Schenk

MS4 Audits Update

7. List of Audit remaining for 2018-19?? Wayne

Annual Reports

8. Data Collection & Record Keeping Information-Questions from last month’s meeting

Coming Events – 2019

9. HHW Collections
 - a. September 28, 2019 - Lewis & Clark CC
 - b. December 2019 – SIUE (Tentative)
10. Electronics Recycling Collections (4)
 - a. Village of Grantfork (Complete) 3/30/19
 - i. 178 vehicles come through representing 192 households and approximately 32,788 lbs. of electronic recyclables.
 - b. Collinsville (Complete) 5/18/16
 - c. Alton Public Works September 14, 2019
 - d. Chouteau Township November 16, 2019
11. Tire Collection Oct. 3rd & 4th at Nike Base

News Updates

12. Illinois EPA Updates – Wayne

Down the Road

13. Next Meeting: Wednesday December 11, 2019 at 9am

AGENDA

MS4 (Quarterly) Co-Permittee Group Meeting

Wednesday December 11, 2019 9:00 AM

Madison County EMA

101 E. Edwardsville Rd.

Wood River, IL. 62095

Introductions

Tony Schenk – Gonzalez Companies

EMA Update

Mary K. Brown – EMA

Training Info

CESSWI

Watershed Plans - Update

1. Highland Silver Lake Watershed - 319 Grant(Projects underway)
2. Cahokia/Indian/Canteen Creek – 319 Grant Application
3. American Bottoms – Water Resource Inventory (WRI) Completed, Draft Plan Dec. 2020
4. Wood River and Piasa Creek Watersheds – Flood Survey Draft Results

MS4 Audits Schedule FY2020

5. Collinsville Township – Completed 10-31-19
6. Jarvis Township – Completed 11-20-19
7. City of Alton – TBD
8. City of Wood River – TBD
9. Edwardsville Township – TBD
10. Pin Oak Township – TBD

Annual Reports

11. Data Collection & Record Keeping Information *March 2020*

Past Events – 2019

12. HHW Collections (**838 Households, 60,915 lbs. of Waste**)
 - a. September 28, 2019 - Lewis & Clark CC
 - b. October 26, 2019 – SIUE
13. Electronics Recycling Collections (**1400 Households, 164,500 lbs. of e-waste**)
 - a. Village of Grantfork (Complete) 3/30/19
 - b. Collinsville (Complete) 5/18/16
 - c. Alton Public Works (Completed) 9/14/19
 - d. Chouteau Township (Completed) 11/16/19
14. Tire Collection (Completed) October 3rd & 4th 2019 (**37 Entities, 118.75 tons of Tires**)

Discussion Topics – Operations Training

15. Operations Training Presentation
16. Stormwater Management Discussion

Upcoming Events

17. Sediment & Erosion Control Seminar – Feb. 28, 2020
18. Grow Native Workshop – March 20, 2020

Down the Road

19. Next Meeting: Wednesday March 11, 2020 at 9am (FY2020 Calendar)

Madison County Health Department
2019 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.
Health Protection Division Director

DATE: April 4, 2019

RE: One-Hour Larvacide Training for Municipal Employees

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 Tuesday, April 30, 2019 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.

Tuesday, April 30, 2019
Madison County Wood River Facility
Emergency Management Agency
(Enter building at the EMA entrance near the big parking lot)
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.

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.

2019 Prescription Drug Take Back

17th National Take Back Day

April 27, 2019



DRUG ENFORCEMENT
ADMINISTRATION
DIVERSION CONTROL DIVISION



18th National Take Back Day

October 26, 2019



DRUG ENFORCEMENT
ADMINISTRATION
DIVERSION CONTROL DIVISION



2019-2020 Christmas Tree Recycling

FY2019**Christmas Tree Collection & Recycling Program**

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 (5 locations)	1. Riverview Park – Park Ave 2. Haskell Park – 1211 Henry St. 3. James Killion Park at Salu – Washington Ave at Salu 4. Milton Park – End of Aberdeen Ave. 5. Former Great Central Lumber lot – at the foot of Henry St.		No	Pickup dates between 12/26/19-1/14/20
Chouteau Township	Township Garage	906 Thorngate Rd., Granite City	Yes, please call 931-6333 to request.	
Collinsville	1. Willoughby Farm - 631 Willoughby Lane 2. Woodland Park - 2 Pine Lake Rd. @ Fletcher Filed 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	New Firehouse (across from Casey's)	199 S. Main St., Glen Carbon	No	
Godfrey	Street Dept.	6212 Godfrey Rd, Godfrey	No	

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 pickup only		x2326 or email streets@maryville-il.us to	
Moro Township		117 Montgomery St., Moro	No	
Nameoki Township	Township Shed	4250 Hwy 162, Granite City	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 Dept.	10048 Ellis Rd, St. Jacob	No	
Troy	Tri-Township Park	410 Wickliffe St, Troy	No	
Wood River	Compost Site	400 Smith Ct, Wood River	Yes, for the first two weeks of January only	
Wood River Township	Wood River Township Building	1010 8th St, Cottage Hills	Yes	

2019 Electronic Waste Collection



Madison County E-Waste Collection

FREE FOR ALL MADISON COUNTY RESIDENTS

By Appointment Only



Alton Public Works
#2 Emma L. Kaus Lane



Saturday, September 14th
8 am to 2:30 pm

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
- Devices Containing Mercury
- Smoke Detectors

Reserve your spot today!

<https://RecycleResponsibly.as.me/alton>

— OR —

- *Scan QR Code for Direct Sign-Up
(Open Phone Camera and Point.
It's THAT simple!)



Questions? Call 618-296-6647 or email sustainability@co.madison.il.us, or visit www.madisoncountyplanning.com

Brought to you by:
Madison County Planning and Development,
The City of Alton, and CJD E-Cycling





Madison County E-Waste Collection

FREE FOR ALL MADISON COUNTY RESIDENTS

By Appointment Only



**Chouteau Township Shed
906 Thorngate Rd.
Granite City, 62040**



**Saturday, November 16th
8 am to 2:30 pm**

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
- Devices Containing Mercury
- Smoke Detectors



Reserve your spot today!

<https://RecycleResponsibly.as.me/Chouteau>

— OR —

- *Scan QR Code for Direct Sign-Up
(Open Phone Camera and Point.
It's THAT simple!)



Questions? Call 618-296-6647 or email sustainability@co.madison.il.us, or visit www.madisoncountyplanning.com

Brought to you by:
Madison County Planning and Development,
The Chouteau Township, and CJD E-Cycling



Madison County Residential Electronic Waste Collection

-  **Madison County Planning and Development and CJD-E-Cycling are hosting a FREE electronics collection for Madison County residents, by appointment only.**
-  **Saturday, May 18, 8 am to 2 pm**
-  **Collinsville Activity Center (F.K.A. Splash City)
10 Gateway Drive, Collinsville, IL 62234**
-  **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.madisoncountyplanning.com or Register at <https://recycleresponsibly.as.me/collinsville>

Questions? Call 618-296-6647 or email sustainability@co.madison.il.us
For more information on county recycling, visit www.madisoncountyplanning.com

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



Madison County Residential Electronic Waste Collection

 Madison County Planning and Development and CJD-E-Cycling 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.madisoncountyplanning.com or
Register at <https://RecycleResponsibly.as.me/?calendarID=2795062>.

For more information on county recycling, visit www.madisoncountyplanning.com

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



2019 Tire Collection Day



USED TIRE COLLECTION

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.



THURSDAY, OCTOBER 3
FRIDAY, OCTOBER 4



8:00 AM - 3:00 PM

NIKE BASE STORAGE FACILITY
(MADISON COUNTY HIGHWAY DEPARTMENT)
10241 FRUIT ROAD, ALHAMBRA, IL

NO:

General Public
Off the Road (OTR) Tires
Tire Dealers
Service Stations
Commercial Businesses
Trucking Firms
Contractors

YES:

Municipalities
Townships
Car Tires
Truck Tires
Tractor Tires
Tires on Rims

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

For more information or questions, call
Kendall at 618-346-5141

2019 Hazardous Waste Disposal

Madison County HAZARDOUS WASTE Collection



APPOINTMENTS ARE REQUIRED

Acceptable Items

- ▶ Oil Based Paint (No Latex)
- ▶ Paint Thinners/Strippers
- ▶ Gas, Antifreeze, Motor Oil
- ▶ Degreasers
- ▶ Yard/Pool Chemicals
- ▶ Fluorescent Bulbs
- ▶ Hobby Chemicals
- ▶ Medicines
- ▶ Household Cleaners
- ▶ Mercury
- ▶ Household Batteries

WHEN

Saturday, September 28th, 2019
7AM - 3PM

WHERE

Godfrey Ball Fields at Lewis and Clark
1101 Stamper Lane, Godfrey, IL 62035

WHO

Any Madison County Resident

RESERVE YOUR SPOT TODAY!

SCAN QR CODE FOR DIRECT SIGN-UP
(OPEN PHONE CAMERA AND POINT -
IT'S THAT SIMPLE!)



OR SIGN UP AT:

<https://RecycleResponsibly.as.me/lc>

***NO** Latex paint, tires, electronics, ammunition, explosives, fire extinguishers, business or biohazard waste accepted. For more information, call 618-296-6647 or visit www.madisoncountyplanning.com

Participants may have to wait in their car 10-20 minutes

BROUGHT TO YOU BY:
MADISON COUNTY PLANNING & DEVELOPMENT
AND LEWIS & CLARK COMMUNITY COLLEGE



2019 Community Cleanup Days

Meadowbrook Area COMMUNITY CLEAN-UP

Friday &
Saturday
May 3rd-4th



Madison County and Fort Russell Township are hosting a community clean-up, **FREE** for Meadowbrook-area residents. Identification with proof of address required for drop-off.

**Fort Russell Township Shed • 112 Clover Street, Moro, IL
7:30 am to 2:30 pm**

Accepted Items: Demolition Debris, Broken Concrete, Furniture, Mattresses, Metal Items, Carpet, Tiles, and Flooring

Items NOT Accepted: ~~PLEASE NO ELECTRONICS~~ Business/Contractor waste, Hazardous waste (chemicals, oils, and paints), Tires, Landscape waste, Propane tanks, Smoke detectors, Fire extinguishers, Oxygen tanks, White goods

Looking for Electronics Recycling? Visit madisoncountypanning.com for information on a May 18th electronics collection!

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



Assistance for disabled or elderly curbside pick-up
MUST CALL Todd Shaw by
May 1st 618-377-8801

2019 Wood River and Piasa Creek Watershed

CONTACT:

Janet Buchanan, Project Manager
janet.buchanan@heartlandsconservancy.org



News Release

Planning to Begin for Wood River and Piasa Creek Watersheds

HeartLands Conservancy and partners will examine and recommend changes to improve drainage and water quality

FOR IMMEDIATE RELEASE

November 20, 2018

Madison County, Ill. - HeartLands Conservancy, a nonprofit serving southwestern Illinois, has received funding from the Illinois Environmental Protection Agency (IEPA) to develop two watershed plans to address drainage and water quality in the Wood River and Piasa Creek watersheds.

When complete, these watershed plans will make informed recommendations on how to decrease flood damage, improve water quality, reduce soil erosion, and restore fish and wildlife habitat.

The two watersheds cover a 156,000-acre area in Madison, Macoupin, and Jersey counties. Much of the area is farmland, but also includes the communities of Alton, Bethalto, Brighton, East Alton, Elsah, Godfrey, Woodburn, and Rosewood Heights. Both watersheds drain directly to the Mississippi River.

These watershed plans follow HeartLands Conservancy's success in creating the Upper Silver Creek Watershed Plan and the Lower Silver Creek Watershed Plan with grants from IEPA, both of which were written and approved in the last four years. HeartLands Conservancy has also secured IEPA 319 grants totaling more than \$900,000 for implementing Best Management Practices in the Upper Silver Creek and Highland Silver Lake watersheds.

Madison County Planning & Development and HeartLands Conservancy have been working together on drainage issues for the last six years. As part of the county's Stormwater Management Plan, watershed plans are being created to identify and address water quality and flooding issues affecting county residents.

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.

"We are looking forward to working with the people living in these watersheds to identify pollution and drainage issues," said Mary Vandevord, President and CEO of HeartLands Conservancy. "Watershed plans are a great and often necessary first step towards obtaining funds from government agencies and foundations to help address these issues."

Public outreach for the watershed plan will begin in winter 2018. HeartLands Conservancy will meet with municipalities, townships, and the public to gather input that guides the watershed planning process. A public Open House will be held in 2019, where all will be welcome to learn more about the project, ask questions, and identify problematic flood locations. Information on the dates, times, and locations of these events will be made available at <https://www.facebook.com/HeartlandsConservancy>.

Funding for this project comes from the IEPA under section 604(b) of the Clean Water Act. The project will conclude in December 2020.

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 for more information.

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CONTACT:

Janet Buchanan, Project Manager
618-566-4451 ext. 25
janet.buchanan@heartlandsconservancy.org

**HEARTLANDS**
C O N S E R V A N C Y

3 N High Street, Belleville, IL 62220
Phone 618-566-4451
Fax 618-566-4452
www.HeartLandsConservancy.org

News Release

Flood Survey Open for Wood River, Piasa Creek watersheds

Homeowners, businesses, and property owners are invited to take the survey and provide input into watershed plans for the area

FOR IMMEDIATE RELEASE**June 25, 2019**

Madison County, Ill. – Madison County in collaboration with HeartLands Conservancy is conducting a Flood Survey in the Wood River and Piasa Creek watersheds in Madison County. The survey is being conducted to identify flooding issues in these watersheds, which are located in the northwest corner of the county and include parts of the communities of Alton, Bethalto, Godfrey, and Rosewood Heights.

The public is invited to take the survey to provide input about flooding in the two watersheds, which flow through the northwest corner of the county. The survey is available online at https://www.surveymonkey.com/r/wrpc_floodsurvey. It takes just seven to ten minutes to complete.

This month, the survey will be mailed to 3,000 randomly selected addresses in the watersheds in Madison County. Additional paper copies of the survey will be available at:

Alton City Hall
Bethalto Village Hall
Godfrey Village Hall
Madison County's Planning and Development department in Edwardsville
HeartLands Conservancy in Belleville

Survey responses will also be accepted from Jersey County and Macoupin County respondents who are located in the watersheds.

This survey is a major input to the two ongoing watershed plans for the Wood River and Piasa Creek watersheds. These plans will act as roadmaps to strategically address stormwater, flooding, and water quality issues affecting thousands of people in the Riverbend area.

"Flooding is a big problem for our communities and residents," said Steve Brendel, Stormwater Coordinator with the Madison County Planning & Development department. "We are trying to gather new information about where flooding is happening and why. While solving flooding problems will not happen overnight, the survey and the watershed plans will help us start to prioritize future efforts to tackle these issues."

The watershed planning process is being led by HeartLands Conservancy, and is made possible by a grant from the Illinois Environmental Protection Agency (EPA).

Project manager Janet Buchanan of HeartLands Conservancy said, "Flooding has tremendous costs including health impacts, road closures, and damage to homes and infrastructure. This Flood Survey is a

chance for people in Alton, Bethalto, and Godfrey in particular to provide input towards the planning effort and get on our contact list for more information."

The survey results and information from stakeholder meetings will help shape the recommendations in the watershed plans that address flooding, stormwater, erosion, and water quality, among other issues.

This effort is part of Madison County's overall stormwater management program, Madison County Stormwater Management, which seeks to identify solutions countywide. Planning has already been completed for the Upper Silver Creek, Indian-Cahokia Creek, and Canteen-Cahokia Creek watersheds, and the American Bottom Watershed Plan is underway. As a result of the Upper Silver Creek Watershed Plan, Illinois EPA awarded HeartLands Conservancy a \$500,000 grant to implement projects that address water quality and stormwater issues identified in the plan in Madison County.

The final results of the Wood River/Piasa Creek Flood Survey will be published in a report in late 2019. All individual responses will remain anonymous in the report, which will provide summaries of the data. The report will be emailed to survey respondents who provide an email address, and will be available on HeartLands Conservancy's website.

For more information about the Wood River and Piasa Creek Watershed Plans, visit <https://www.heartlandsconservancy.org/woodriverpiasacreek.php>.

For more information about the Flood Survey or watershed planning, please contact Janet Buchanan at HeartLands Conservancy at 618-566-4451 ext 25 or email janet.buchanan@heartlandsconservancy.org.

For more information about Madison County Planning and Development, visit http://www.co.madison.il.us/departments/planning_and_development/index.php.

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CONTACT:

Janet Buchanan, Environmental Planning & Policy
618-566-4451 ext. 25
janet.buchanan@heartlandsconservancy.org



News Release

Open House Events in Godfrey and Brighton to Address Flooding and Water Quality in Wood River, Piasa Creek Watersheds

Residents, businesses, and landowners are invited to attend and provide input on September 23 and 25

FOR IMMEDIATE RELEASE

September 9, 2019

Madison County, Ill. – HeartLands Conservancy and Madison County will hold two Open House events to inform the public about the Wood River and Piasa Creek Watershed Plans on Monday, September 23 from 6 pm to 8 pm at Brighton Village Hall, and on Wednesday, September 25 from 6 pm to 8pm at Lewis and Clark Community College in Godfrey, at Trimpe 141, Ahlmeyer Atrium.

The Wood River and Piasa Creek Watershed Plans will strategically address stormwater-related issues in the areas that drain to Wood River and Piasa Creek, located in Madison, Jersey, and Macoupin counties. The plans will provide voluntary recommendations for water quality protection and flood mitigation efforts.

During the Open House events, the draft results of the Flood Survey sent by Madison County to watershed residents will be available for review. Display boards will highlight information about existing drainage, floodplains, and other key data assessed so far in the watershed planning process. Representatives from HeartLands Conservancy and Madison County will be on hand to answer questions and gather input from attendees on issues such as flooding, erosion, and water quality.

The Open House events are open to the public and are intended to attract people from in or around the following communities in the watersheds: Alton, Bethalto, Brighton, Godfrey, Elsau, and East Alton.

Watershed plans are an effective way of attracting funding for stormwater solutions. In 2016, the Illinois Environmental Protection Agency (EPA) awarded HeartLands Conservancy a \$500,000 grant to implement projects that address water quality and stormwater issues in the Upper Silver Creek watershed in Madison County. In 2018, Illinois EPA awarded HeartLands another \$450,000 for projects in the Highland Silver Lake watershed.

HeartLands Conservancy's Janet Buchanan notes that participation from local landowners, farmers, residents, and municipalities is crucial to the success of watershed plans and future funding.

"If you have a problem with drainage, erosion, flooding, or water quality in your neighborhood, we want to hear from you! It's conversations with people dealing directly with these issues that are so important to the planning process. We will use your feedback to help focus attention on areas where solutions are needed."

The watershed plan for the Piasa Creek watershed will build on the work of the Great Rivers Land Trust and its partners, which has assisted with designing and funding improvement projects that address erosion and sedimentation for decades. For more information, visit <https://greatriverslandtrust.org/projects/piasa-creek-watershed-project/>.

For more information about the Wood River and Piasa Creek Watershed Plans, please contact Janet Buchanan at HeartLands Conservancy at 618-566-4451 ext 25 or email janet.buchanan@heartlandsconservancy.org .

For updates on this project and information about other HeartLands Conservancy activities, visit <http://www.facebook.com/HeartLandsConservancy>.

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You are invited to the

OPEN HOUSE

events for the

Wood River & Piasa Creek watersheds

- Come to learn about and discuss flooding, erosion, and water quality. Tell us where issues are happening! All are welcome.
- Communities in the watersheds: Alton, Bethalto, Brighton, Godfrey, Elsau, East Alton.
- Events have an open house format with no formal presentation, so stop by any time between 6 p.m. and 8 p.m. For more information, contact Janet Buchanan at HeartLands Conservancy: 618-566-4451 ext 25.

9.23.2019

6-8PM | Brighton Village Hall
206 S Main St
Brighton, IL 62012

9.25.2019

6-8PM | Lewis & Clark Community
College, Trimpe 141
5800 Godfrey Rd
Godfrey, IL 62035

www.smchurch.com



Think Green.
Live Green.
www.lc.edu/green



2020 Sediment and Erosion Control Seminar

2020 Erosion, Sediment and Storm Water Control Seminar

Friday, February 28, 2020

LeClaire Room at Lewis and Clark Community College
N.O. Nelson Campus, 600 Troy Road, Edwardsville, IL 62025

Agenda

- 9:00 am - 9:15 **Welcome and brief review of NPDES program** - Wayne Caughman, IL-EPA
- 9:15 - 9:45 **Installation and Maintenance of the 5 Most Common BMPs on Storm Water Permits**
Speaker: Rick Gundlach, Project Scientist, SCI Engineering
- 9:45 - 10:15 **A Case Study of the Ameren Illinois, Jarvis Substation in Madison County**
Speaker: Kevin Adkins, Environmental Scientist, Ameren Services, Permitting and Natural Resources Group
- 10:15 - 10:30 **Break**
- 10:30 - 11:00 **Water Management During Brown Field Site Development, Case Studies to include the Wood River Power Plant**
Speaker: Adam Peetz, Vice President of Remediation and Site Development Aton Environmental Services
- 11:00 - 11:30 **Tough Native Plants for Storm Water BMPs, Selection and Maintenance**
Speaker: Felecia Amman, Field Scientist, SCI Engineering
- 11:30 - 12:00 **Questions and Discussion**
- 12:00 pm **Adjourn**
-

Cost is **FREE**, but RSVPs need to be received by 5:00 pm, Friday, February 21, 2020.

This seminar is worth 3 PDH's for Professional Engineers and 3 PDU's for CPESC's and CESSWI's. Please make your reservations online at

https://siue.co1.qualtrics.com/jfe/form/SV_6FillmQi3J0sCVL

If you are unable to register online, please contact Brent Vaughn at bvaughn@siue.edu.

This seminar is sponsored by -



Madison County Soil and
Water Conservation District



SCI ENGINEERING, INC.



Madison County Planning
and Development Office



SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE
SCHOOL OF ENGINEERING

LEWIS & CLARK
COMMUNITY COLLEGE

2019 Construction Site Inspector's Training



Stormwater Phase II Final Rule

Post-Construction 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 Post-Construction 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 in order to meet the conditions of its National Pollutant Discharge Elimination System (NPDES) permit. This fact sheet outlines the Phase II Final Rule requirements for post-construction runoff control and offers some general guidance on how to satisfy those requirements. 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 Post-Construction Runoff Necessary?

Post-construction stormwater management in areas undergoing new development or redevelopment is necessary because runoff from these areas has been shown to significantly affect receiving waterbodies. Many studies indicate that prior planning and design for the minimization of pollutants in post-construction stormwater discharges is the most cost-effective approach to stormwater quality management.

There are generally two forms of substantial impacts of post-construction runoff. The first is caused by an increase in the type and quantity of pollutants in stormwater runoff. As runoff flows over areas altered by development, it picks up harmful sediment and chemicals such as oil and grease, pesticides, heavy metals, and nutrients (e.g., nitrogen and phosphorus). These pollutants often become suspended in runoff and are carried to receiving waters, such as lakes, ponds, and streams. Once deposited, these pollutants can enter the food chain through small aquatic life, eventually entering the tissues of fish and humans. The second kind of post-construction runoff impact occurs by increasing the quantity of water delivered to the waterbody during storms. Increased impervious surfaces (e.g., parking lots, driveways, and rooftops) interrupt the natural cycle of gradual percolation of water through vegetation and soil. Instead, water is collected from surfaces such as asphalt and concrete and routed to drainage systems where large volumes of runoff quickly flow to the nearest receiving water. The effects of this process include streambank scouring and downstream flooding, which often lead to a loss of aquatic life and damage to property.

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 post-construction runoff to their MS4 from new development and redevelopment projects that result in the land disturbance of greater than or equal to 1 acre. The small MS4 operator is required to:

- Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs);
- Have an ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls to the extent allowable under State, Tribal or local law;

- Ensure adequate long-term operation and maintenance of controls;
- Determine the appropriate best management practices and measurable goals for this minimum control measure.

What Is Considered a “Redevelopment” Project?

The Phase II Final Rule applies to “redevelopment” projects that alter the “footprint” of an existing site or building in such a way that there is a disturbance of equal to or greater than 1 acre of land. Redevelopment projects do not include such activities as exterior remodeling. Because redevelopment projects may have site constraints not found on new development sites, the Phase II Final Rule provides flexibility for implementing post-construction controls on redevelopment sites that consider these constraints.

What Are Some Guidelines for Developing and Implementing This Measure?

This section includes some non-structural and structural BMPs that could be used to satisfy the requirements of the post-construction runoff control minimum measure. It is important to recognize that many BMPs are climate-specific, and not all BMPs are appropriate in every geographic area. Because the requirements of this measure are closely tied to the requirements of the construction site runoff control minimum measure (see Fact Sheet 2.6), EPA recommends that small MS4 operators develop and implement these two measures in tandem.

Non-Structural BMPs

- **Planning Procedures.** Runoff problems can be addressed efficiently with sound planning procedures. Local master plans, comprehensive plans, and zoning ordinances can promote improved water quality in many ways, such as guiding the growth of a community away from sensitive areas to areas that can support it without compromising water quality.
- **Site-Based BMPs.** These BMPs can include buffer strip and riparian zone preservation, minimization of disturbance and imperviousness, and maximization of open space.

Structural BMPs

- **Stormwater Retention/Detention BMPs.** Retention or detention BMPs control stormwater by gathering runoff in wet ponds, dry basins, or multichamber catch basins and slowly releasing it to receiving waters or drainage systems. These practices can be designed to both control stormwater volume and settle out particulates for pollutant removal.

- **Infiltration BMPs.** Infiltration BMPs are designed to facilitate the percolation of runoff through the soil to ground water, and, thereby, result in reduced stormwater runoff quantity and reduced mobilization of pollutants. Examples include infiltration basins/trenches, dry wells, and porous pavement.
- **Vegetative BMPs.** Vegetative BMPs are landscaping features that, with optimal design and good soil conditions, remove pollutants, and facilitate percolation of runoff, thereby maintaining natural site hydrology, promoting healthier habitats, and increasing aesthetic appeal. Examples include grassy swales, filter strips, artificial wetlands, and rain gardens.

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 needs and characteristics of the operator and the area served by its small MS4. Furthermore, the measurable goals 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 reduce by 30 percent the road surface areas directly connected to storm sewer systems (using traditional curb and gutter infrastructure) in new developments and redevelopment areas over the course of the first permit term. Using “softer” stormwater conveyance approaches, such as grassy swales, will increase infiltration and decrease the volume and velocity of runoff leaving development sites. Progress toward the goal could be measured by tracking the linear feet of curb and gutter not installed in development projects that historically would have been used.

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

- ☞ Other EPA Web sites
 - Ordinance Database
www.epa.gov/owow/nps/ordinance
 - Urban Nonpoint Source Guidance
www.epa.gov/owow/nps/urbanmm/index.html
 - Low Impact Development Web site
www.epa.gov/owow/nps/lid

IAFSM 2020 Annual Conference



IAFSM

*Illinois Association for
Floodplain and Stormwater Management*

2020 Annual Conference

**Wednesday & Thursday
March 11 & 12, 2020**

Tinley Park Convention Center-
Holiday Inn Tinley Park
Tinley Park, Illinois

Questions: Sarah Harbaugh
IAFSM Executive Secretary

iafsm@illinoisfloods.org

or 630/443-8145

www.IllinoisFloods.org

LOCATION AND LODGING

Location: The conference is at the Tinley Park Convention Center - Holiday Inn Tinley Park, 18451 Convention Center Drive, Tinley Park, IL 60477, www.holidayinn.com.

Lodging: A special conference rate of \$135 plus tax, for a standard room, per night, has been established at the Holiday Inn. A limited number of rooms are available at the prevailing state government rate with proper government identification. Please call the Holiday Inn directly to reserve the state government rate. Reserve your room by calling the Holiday Inn front desk at (708) 444-1100 and tell them you are with the Illinois Association for Floodplain and Stormwater Management conference or follow this link: https://www.holidayinn.com/redirect?path=hd&brandCode=HI&localeCode=en®ionCode=1&hotelCode=CHITN&_PMID=99801505&GPC=IFS&cn=no&viewfullsite=true

The hotel's reservation deadline for this rate is February 18th.

Registration: Registration covers lunches, breaks, materials and your 2020-2021 IAFSM membership. **Discount on or before February 9, 2020 (\$430).** If you register after February 9th the cost for the conference is \$490. The deadline for registrations and cancellations is February 23, 2020. No refunds after February 23, 2020.

Please follow the link below to register on-line.

<https://www.illinoisfloods.org/event/3/14/2020-iafsm-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 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.

	On or before Feb 9	After Feb 9, thru Feb 23
Exhibitor Fee	\$800	\$900
Registration Fee	\$430	\$490
Full Time Student Registration Fee (2 day conference) Please contact Sarah Harbaugh at iafsm@illinoisfloods.org to arrange for this special rate)	\$165	\$165
Full Time Student Registration Fee (half day sessions - no meals) Please contact Sarah Harbaugh at iafsm@illinoisfloods.org to arrange for this special rate)	Free	Free

CFM EXAMINATION

The Certified Floodplain Manager exam will be conducted at the Tinley Park Convention Center on Tuesday, March 10, 2020 from 6:00 – 9:00 PM. If you want to take the Floodplain Manager Certification Exam on March 10, 2020 the **ASFPM** must receive the CFM application packet and fee by February 25th. 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 10, 2020.

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/iafsm2020> **App Download URL:** <https://crowd.cc/s/3CP3m>



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Tuesday, March 10, 2020 (PRE CONFERENCE)

8:30 am - 4:30 pm [NFIP 101 Workshop](#)

6:00 pm - 9:00 pm CFM Exam – The Certified Floodplain Manager exam will be conducted in the Samuel Tinley Room at Tinley Park Convention 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 25, 2020.

Wednesday, March 11, 2020

- 8:00 am Registration
Exhibits and continental breakfast - Exhibitor hall
- 9:00 am **Plenary Session**
- Welcome
 - Climatological Conditions 2019 vs. 2020
 - ASFPM
- 10:10 am Break - Exhibitor Hall
- 10:30 am **Concurrent Session 1**
- 1A Wetlands and Technology**
- ❖ Technology Applications for Environmental Fieldwork
 - ❖ Keys to Achieving Sign-Off on Wetland Permits and Mitigation Projects
 - ❖ Wetlands 101
- 1B Stormwater**
- ❖ Rational vs Runoff: Sustainable Stormwater Design
 - ❖ Using Green Infrastructure to Meet Rate and Volume Control Requirements and Improve Site Utilization
 - ❖ Ecology for a New Economy – Richton Park's Western Corridor Green Infrastructure Development Plan
- 1C Urban Flooding**
- ❖ Urban Flooding: Moving Towards Resilience – ASFPM Foundation Report
 - ❖ Assessing Disparities of Urban Flood Risk for Households of Color in Chicago
 - ❖ DuPage County Shared Services
- 12:00 pm Lunch
- Bulletin 70 High Level with/ Panel
- 1:30 pm **Concurrent Session 2**
- 2A CRS**
- ❖ National Flood Insurance Program / Community Rating System (CRS)
 - ❖ Why You Need a Repetitive Loss Area Analysis
 - ❖ Repetitive Loss and Des Plaines
- 2B Stormwater Management**
- ❖ MWRD's Stormwater Master Planning Program in the Combined Sewer Area – An Update
 - ❖ Creating 160 acre-feet in a Fully Built City to Address Urban flooding: MWRD's Melvina Ditch Reservoir Expansion
 - ❖ Targeting the Need: Identifying Urban Flood Risk for Prioritized Investments

- 2C Mapping**
- ❖ Approximate Zone A Mapping
 - ❖ U.S. Geological Survey (USGS) Streamflow- and Precipitation-based Flood Warning and Mapping integrated with USGS “Water Alert” and “Water Watch” Tools for Selected Communities in Missouri.
 - ❖ Evolution of Flood Hazard Identification and Mapping
- 3:00 pm Break - Exhibitor Hall
- 3:20 pm **Concurrent Session 3**
- 3A Hydrology/Regulation**
- ❖ Revised Bulletin 70
 - ❖ Use This, Not That: H&H Standards for IDNR/OWR Mapping Submittals
 - ❖ The Do’s and Don’t for an IDNR/OWR Floodway Construction Permit
- 3B Stormwater Management**
- ❖ Village of Midlothian Stormwater Management Capital Plan
 - ❖ Making the Case for Inspecting Storm Sewer
 - ❖ Building Resilience: Developing Partnerships to Strengthen Communities
- 3C Mitigation**
- ❖ Are You Ready for the Disaster Recovery Reform Act?
 - ❖ IDNR/OWR Mitigation Program
 - ❖ Panel/Mitigation Planning
- 4:50 -6:30 pm Social Hour - Exhibitor Hall

Thursday, March 12, 2020

- 7:30 am IAFSM Board Meeting
Registration & Continental Breakfast
- 9:00 am **Plenary Session**
- FEMA Region V Mitigation Division Overview
 - Risk Rating 2.0
- 10:10 am Break
- 10:30 am **Concurrent Session 4**
- 4A Outreach**
- ❖ IAFSM Public Education Website Launch
 - ❖ I Want You....To Know Your Legislators
 - ❖ Traversing the NFIP
- 4B Riverine Flooding**
- ❖ 2D Floodplain Modeling for Bridge Hydraulic Design
 - ❖ 2D Mobile Bed Hydraulic Modeling – Man-Made Impacts on the Floodplain of a Highly Erodible Stream
 - ❖ HEC-RAS 2D: The Right Tool for the Job?
- 4C Local Official Roundtable**
- ❖ Flood Insurance
 - ❖ IDNR Permitting
 - ❖ Critical Facilities

12:00 pm

Lunch

- Awards Luncheon
- Vendor Door Prizes

1:30 pm

Concurrent Session 5

5A BMP

- ❖ Park Forest Topsoil Preservation BMP Provisions
- ❖ 319 Grant Funding: What, Why & How
- ❖ Update on the Cook County Watershed Management Ordinance

5B Case Study

- ❖ Rio Guayanilla: Post Hurricane Maria Flood Reduction Solutions
- ❖ Illinois 2019 Flood Disaster Update
- ❖ Freeport Flood Strategy

5C RAFT

- ❖ Rapid Assistance Flood Team Training

3:00 pm

Adjourn

State and Local Official Scholarships to attend the IAFSM conference



Come see what the IAFSM annual conference is about!

March 11 and 12, 2020 in Tinley Park, 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 Tinley Park Convention Center – Holiday Inn, Tinley Park, Illinois. IAFSM has a block of rooms available at a special rate of \$129 plus tax. Please look at page 2 of this flyer for more information.

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 10, 2020.

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.
dbouckaert@manhard.com
(630)925-1055
**I will contact you with confirmation of receipt.

Full details on the IAFSM 2020 Conference are located at www.illinoisfloods.org