

**ADMINISTRATIVE REVISIONS TO THE NOTICE OF INTENT**

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

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

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

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

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

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

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

## Introduction

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

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

## Best Management Practice (BMP) Summary of 2020-2021 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 2020-March 2021:**

- 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.

COMMUNITY NAME: City of Troy

PERMIT #: ILR400461

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2020 through March 2021

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
<b>BMP No. A.1- Distributed Paper Materials- Informational Brochures</b>							
Milestone For Reporting Year: Brochures were posted in a public location and available to residents.							
		X	The City has stormwater brochures available to residents at the City Clerk's Office		X	The City will continue to make brochures available through the upcoming permit cycle.	Ongoing through 2016-2021 permit cycle.
<b>BMP No. A.4- Community Event- attend and participate in water-quality oriented public events</b>							
Milestone For Reporting Year: Attend at least two such events each year.							
		X	Due to COVID-19, the Lewis & Clark Water Festival was canceled but the Mississippi Earth Tones Festival was presented on September 19, 2020 through socially-distanced activities.	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.
<b>BMP No. A.5- Classroom Education Material</b>							
Milestone For Reporting Year: No specific milestone.							
		X		Review of Classroom Educational Materials See Page 10 and Exhibit A.6-A	X	The City will work with the County to coordinate educational opportunities.	Ongoing through 2016-2021 permit cycle.
<b>BMP No. A.6- Educational Presentations</b>							
Milestone For Reporting Year: Make at least two school presentations. Continue educational programs.							
		X	Madison County schools operate a Green Schools program which educates children about the need to recycle and explore "green" options in their lives.	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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Comment	YES	NO		YES	NO	Activity	Schedule
<b>BMP No. B.2.c- Public Involvement/Participation</b>							
Milestone For Reporting Year: Schedule one public meeting per year where residents can provide input on existing stormwater program.							
		X	The City did not hold a public meeting to discuss their MS4 program but will continue to make efforts to provide public input in future years.		X	The City will continue to provide an annual public meeting.	Ongoing through 2017-2021 permit cycle.
<b>BMP No. B.6- Program Involvement- Coordinate Meetings and Annual Reports</b>							
Milestone For Reporting Year: The community will continue to meet to share BMPs and training opportunities.							
		X	The Madison County MS4 Co-Permittee Group held four quarterly training meetings during the 2020-2021 permit year. Meetings were held:  - April 21, 2020 - June 10, 2020 - September 9, 2020 - December 9, 2020  A Representative from the City attended three 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.
<b>BMP No. B.7- Other Public Involvement- Participate in Recycling, Sustainability and Green Infrastructure Programs</b>							
Milestone for Reporting Year: Participate in two recycling, sustainability, and green infrastructure programs.							
		X	The County sponsored numerous recycling, sustainability, and green infrastructure programs including Pharmaceutical Drop-off, Christmas Tree Recycling, Electronic Waste Collection, Tire Collection, Hazardous Waste Disposal, and Election Sign Recycling. Other Community Involvement included Stormwater Management and Watershed Plans, Recycling Study and active involvement with groups and organizations that are directly related to MS4.	Review of Program Material See Page 10 - 11 and Exhibit B.7-A through B.7-I	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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Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. C.1- Storm Sewer Map Preparation</b>								
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.
<b>BMPs No. C.2, C.9- Regulatory Control Program- Ordinance language for Illicit discharge/public notification</b>								
Milestone for Reporting Year: Modifications to the ordinance will be completed as part of this process. Communication brochures will be distributed throughout the community.								
		X	The 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.
<b>BMP No. C.5- Inlet Stenciling</b>								
Milestone for Reporting Year: Complete a survey sample of inlet markers installed previously and assess conditions.								
		X	The City is 100% complete with their inlet stenciling. The presence and condition of inlet markers is being confirmed by Madison County and IEPA during routine audits. Replacement of missing and worn inlet markers is ongoing.			X	Continue to replace missing and worn inlet markers.	Ongoing through 2016-2021 permit cycle.
<b>BMP No. C.7- Visual Dry Weather Screening- Illicit Discharge Detection</b>								
Milestone for Reporting Year: Include training in one quarterly meeting. Conduct inspection of facilities and outfall points.								
		X	The Co-permittee group reviewed illicit discharge detection and elimination procedures June 10, 2020 quarterly meeting.			X	Continue to conduct inspections of County facilities and outfall points.	Ongoing through 2016-2021 permit cycle.

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Comment	YES NO		If attached information, describe.	YES NO	Activity	Schedule
<b>BMPs No. D.1 and E.2 and D.4 and E.3 and E.4- Site Plan and Pre-Construction Review Procedures</b>						
Milestone for Reporting Year: Madison County provided an update to the Co-Permittee Group on progress with the Stormwater Master Plan						
	X	The City's Stormwater Ordinance contains sections on construction site runoff control.  Madison County has continued to work towards a county-wide Stormwater Master Plan.		X	Continue to enforce erosion and sediment control ordinances.	Ongoing through 2016-2021 permit cycle.
<b>BMP No. D.2- Erosion and Sediment Control BMP's</b>						
Milestone for Reporting Year: Include BMP training in one quarterly meeting						
	X	BMP training was provided during the September 9, 2020 quarterly meeting.  The County conducted 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.
<b>BMP No. D.5- Stormwater Hotline</b>						
Milestone for Reporting Year: Madison County will continue to provide support to communities with communicating hotline requests.						
	X	Madison County received numerous hotline calls during the reporting period. Many complaints are addressed by the communities prior to calls to the hotline.		X	Madison County will continue to provide support to communities by communicating hotline requests.	Ongoing through 2016-2021 permit cycle.
<b>BMPs No. D.6 and E.5- Training for Construction Site Inspectors</b>						
Milestone for Reporting Year: Madison County sponsored training courses for construction site inspectors. The courses addressed specific technical issues regarding construction site runoff as well as post development.						
	X	The City does not have a CESSWI certified inspector on staff nor Certified Floodplain Manager 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 the December 9, 2020 quarterly meeting.	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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Comment	YES	NO		If attached information, describe.	YES	NO	Activity	Schedule
<b>BMP No. F.1- Employee Training Program</b>								
Milestone for Reporting Year: The Co-Permittee Group will hold an Operations Training class as part of continuing education opportunities.								
		X	<p>Operations Training was provided during the April 21/23, 2020 quarterly meeting.</p> <p>Madison County extended the IDOA certificate until 12/31/20 but if training was required, the County offered a 1-hour Solid Mosquito Larvicide via webinar.</p> <p>The County attended the 2021 IAFSM Conference.</p>	<p>See Page 10 and attached Exhibit B.6/F.1-A for Operations Training, Exhibit B.6/ F.1-B for Larvicide Training. See Page 11 and attached Exhibit F.1-C for Annual Conference.</p>		X	<p>The Co-Permittee Group will continue to offer Operations Training and other educational and training opportunities throughout the permit year.</p>	<p>Ongoing through 2016-2021 permit cycle.</p>
<b>BMP No. F.2- Monitoring, Sampling, &amp; Inspection Requirements - Inspection and Maintenance Program</b>								
Milestone for Reporting Year: Evaluate storm water quality and impacts with quarterly visual inspections of outfall points.								
		X	<p>The document is located at Public Works Department.</p> <p>1st Quarter Test on: May 16, 2020</p> <p>2nd Quarter Test on: August 11, 2020</p> <p>3rd Quarter Test on: December 11, 2020</p> <p>4th Quarter Test on: March 18, 2021</p>			X	<p>The City will continue to provide quarterly inspections at outfall points.</p>	<p>Ongoing through 2017-2021 permit cycle.</p>
<b>BMP No. F.3- Other Municipal Operations Controls- Standard Operating Procedures</b>								
Milestone for Reporting Year: Operation procedures for street department activities were reviewed and modified as needed. Co-Permittee meetings included reference to review and update requirements.								
		X	<p>Stormwater operation procedures were reviewed during the permit year and modified as needed.</p>			X	<p>Operation procedures will be reviewed annually and modified as appropriate.</p>	<p>Ongoing through 2016-2021 permit cycle.</p>

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**ADDITIONAL INFORMATION**

<b>BMP A.4</b>	<b>Water Quality Oriented Public Events - Water Festival</b>
	Canceled in 2020 due to COVID-19. See attached Exhibit A.4-A.
<b>BMP A.5</b>	<b>Water Quality Oriented Public Events - Mississippi Earthtones Festival</b>
	Was held and presented through socially distanced activities. See attached Exhibit A.4-B.
<b>BMP A.5</b>	<b>Classroom Educational Materials - Madison County Soil and Water District</b>
	<p>The Madison County Soil and Water Conservation District assists with the educational requirements through a number of initiatives. They provide historic aerial maps, flood maps, topography maps, soil type maps, and other data resources. These resources are used by students, developers, environmental and engineering firms, and individuals. The Soil Survey for Madison County was digitized in 2002 and is now available at no cost. Each year the Soil and Water District provide monetary awards to the best conservation 4-H project at the Madison County Fair. This has allowed school aged children to learn different methods of conservation and how it could potentially benefit stormwater quality and quantity.</p> <p>The Madison County Soil and Water District also supplies literature to schools and organizations for Earth Day and Arbor Day. The literature includes themes such as conservation and stormwater. Through funding from the Madison County Farm Bureau, the University of Illinois Extension Office, and the Madison County Soil and Water District, an educational coordinator works to deliver presentations and supply schools with literature related to stormwater pollution.</p>
<b>BMP A.6</b>	<b>Classroom Educational Materials - Madison County Green Schools Program</b>
	Madison County schools operate a Green Schools program which educates children about the need to recycle and explore "greener" options in many facets of their lives, as well as operating large scale recycling programs. See attached Exhibit A.6-A for additional details.
<b>BMP B.6/F.1</b>	<b>Stakeholder Meetings - Co-Permittee Group Training Opportunities</b>
	<p>The Madison County MS4 Co-Permittee Group held four quarterly training meetings during the 2020-2021 permit year. Topics covered included a review of proposed changes Phase II requirements in the 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 2020-2021. See attached Exhibit B.6/F.1-B.</p>
<b>BMP B.7</b>	<b>Community Events</b>
	<p>Throughout the year, Madison County sponsored many community events that could positively impact stormwater quality. These activities encourage public participation to prevent pollutants from getting into the sanitary and storm sewer system.</p> <p>The pharmaceutical drop-off program included twelve police departments in the County plus the Madison County Sheriff's Department where citizens could dispose of expired or unwanted medication year round properly rather than flushing down the drain or dumping into landfills. This initiative collected over 1,980 pounds of prescription and over-the-counter medications See attached Exhibit B.7-A.</p>

<b>BMP B.7</b>	<b>Community Events</b>
	Madison County managed a Christmas Tree recycling program in conjunction with area public works and township highway departments from late December 2020 to mid January 2021. There were different locations open to the public that collected Christmas trees. The trees were chipped for mulch in and used by public works departments for parks or in ponds for fish bedding. See attached Exhibit B.7-B for additional details.
	Madison County Planning and Development sponsored an electronic waste collection in August, 2020 where residents could bring home electronics, computer towers, laptops, servers, fax machines, and many other electronic items for free disposal. See attached Exhibit B.7-C.
	Madison County Sponsored a tire recycling collection in October 2020 with a total of 30 participating government entities utilizing 69 trucks approximately 72.76 tons were recycled. See attached Exhibit B.7-D.
	Madison County sponsored a household hazardous waste collection in September and October of 2020 where Illinois residents could bring paints, gas, oils, degreasers, fluorescent bulbs, and other household hazardous waste items for free disposal. See attached Exhibit B.7-E.
	Madison County sponsored an Election Sign Collection November 3rd - 8th, 2020 where residents could bring their yard signs to designated locations for recycling. See attached Exhibit B.7-F.
<b>BMP B.7</b>	<b>Other Public Involvement</b>
	Madison County, along with Heartland Conservancy, provided various events to help educate the County on watershed plans and how they reduce flooding and improve water quality throughout the County. Major components of the events include watershed resource inventories of existing conditions, watershed based plans for improvements, and public/stakeholder involvement. See attached Exhibit B.7-G for more details.
	In partnership with SIUE, Madison County conducted a study of 7 recycling drop-off stations within the County. The public was asked to provide feedback since Community input is essential to meeting the County's goals. See attached Exhibit B.7-H.
	Madison County is actively involved in groups and organizations that are connected with MS4. See attached Exhibit B.7-I for more details.
<b>BMP D.2</b>	<b>Erosion and Sediment Control BMP's</b>
	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. The next scheduled Erosion and Sediment Field Day will be in 2022 since it is an "every other year" event.
	Erosion and Sediment Control BMP training was provided during the September 9, 2020 quarterly meeting. See attached Exhibit D.2-A.
<b>BMP D.6/E.5</b>	<b>Training for Construction Site Inspectors</b>
	At the December 9, 2020 co-permittee group quarterly meeting, Madison County provided a training workshop for construction site inspectors. A presentation was provided by professional staff focusing on "Notice of Intent Construction Site Disturbance". 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.
<b>BMP F.1</b>	<b>Employee Training Program</b>
	Madison County attended the 2021 Illinois Association for Floodplain and Stormwater Management Annual Conference on March 10th and 11th, 2021. See attached Exhibit F.1-C.

## ADDITIONAL COMMUNITY ACTIVITIES

Community Name: City of Troy

Permit #: ILR400461

List any additional community-sponsored activities performed between March 2020 and March 2021 not listed in *Notice of Intent (NOI)* submittal, but which addresses one of the six minimum control measures:

- The City provided recycling pickup to residents bi-weekly.
- The City cleaned ditches throughout the entire City. 1400 ft was cleaned of silt.
- The City streets were swept for a total of 150 hours which accounted for 525 cubic yards of materials that was disposed of in a landfill.
- The City cleaned 20 catch basins during the permit year city wide.
- The City maintains a 40-cubic yard dumpster at 416 East Center which was emptied 4 times during the permit year.
- A secure deposit box was kept at the City Hall lobby for pharmaceutical collection, where approximately 246 pounds were collected and destroyed.
- The City provided tire collection services and collected and recycled 25 tires during the year.
- The City managed a Christmas Tree Recycling service with one drop-off location.

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

<u>Permit #</u>	<u>Project</u>	<u>Status</u>
ILR10BQ83	Troy Commercial	Approved
ILR10ZA8E	City of Troy Pedestrian Paths	Approved
NPDES Permits: IL0080159 – Speedco 2180 Liebler Road. Troy, IL		

Canceled due to Covid 19

2020 Lewis & Clark's 18<sup>th</sup> Annual Water Festival

2020 14<sup>th</sup> Annual Mississippi  
Earthtones Festival

# Annual Mississippi Earthtones Festival will be back, with modifications

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By [Editor](#) | September 6, 2020 | [0](#)

The 14th Annual Mississippi Earthtones Festival, co-organized by Alton Main Street and the Sierra Club, will be held on Sept. 19, and due to Covid-19 precautions the festival will be presented through socially-distanced activities in lieu of the typical large gathering.

The festival is a celebration of the river through art, music and conservation.

“While we will not be able to enjoy the big street festival atmosphere that everyone is used to, we are still committed to keeping the spirit of MEF alive in safe ways with the goal of helping our community celebrate Illinois watersheds through education, recreation and conservation,” said Alton Main Street Executive Director Sara McGibany, “For this year’s free and family-friendly event, we have pivoted to creative options that people can participate in at a distance, such as a GPS-based scavenger hunt, an art exhibit, an outdoor movie, and a litter clean-up near the river.”

That morning from 8 a.m. until noon, you can view the Riverwork Project displayed at the Alton Farmers & Artisans’ Market. This is a textile art exhibit coordinated by Sun Smith-Foret, which is a collaboration featuring the work of a number of regional artists. The large flowing fabric installation explores the relationship between our rivers, their environmental character and the arts.

From 3 until 7 p.m. a free GPS-based scavenger hunt will be presented in partnership with [www.LetsRoam.com](http://www.LetsRoam.com). The hunt will lead participants across multiple stops throughout the Downtown area with multiple challenges at each stop. The hunt will take approximately two hours to complete, and the first 50 people to do so will receive a festival T-shirt. To receive a link to the app and a code for the hunt register at [www.DowntownAlton.com](http://www.DowntownAlton.com).



That evening a Carpool Concert will be presented soon after dusk in the large parking lot at the corner of Landmarks Boulevard and Henry Street, which is the same parking lot used for the Alton Farmers' & Artisans' Market. Guests will enjoy an outdoor movie on a large inflatable screen from the comfort of their car, with audio through their car stereo. There was an online poll for the community to vote on which music-themed movie to show, and the majority of the votes cast were for "Woodstock: Three Days of Peace and Music," which is Rated R with a runtime of 225 minutes.

This Director's Cut of the Oscar-winning documentary about the three-day festival in 1969 includes performances by Jimi Hendrix, The Who, Joan Baez, Arlo Guthrie, Richie Havens, and Crosby, Stills and Nash. The movie is free to the public. Food and beverage vendors will not be available on site; guests are welcome to bring their own refreshments. In case of inclement weather, the movie will be rescheduled.

On the following Saturday, Sept. 26, at 9 a.m., a socially distanced litter cleanup will take place in partnership with National Public Lands Day. Unlike years past, snacks, water, or lunch will not be provided due to the enhanced safety measures. Bring your own gloves, water bottle and boots or sturdy shoes. The clean-up will take place rain or shine. Although other locations are listed, people must choose one of the following sites in order to receive a MEF T-shirt after the cleanup: Lincoln Shields Recreation area, Clark Bridge, Piasa Park, or Clifton Terrace Park.

More than 43 tons of trash have been removed from the Mississippi River during MEF clean-ups to date, with more than 2,600 volunteer hours contributed. There will be a maximum number of volunteers allowed at each site for the safety of everyone, and participants may sign up at this link:

<https://www.greenwaynetwork.org/participate/national-public-lands-day-registration>

Volunteers are needed to help with logistics of the Carpool Concert, and those who pitch in will receive a free festival t-shirt. Sign up on the MEF page of [www.DowntownAlton.com](http://www.DowntownAlton.com), which is found under Events.

This festival is held annually as part of the State of Illinois' "It's Our River Day" initiative to celebrate Illinois watersheds through education, recreation and conservation. Alton's free community river celebration would not be possible without the generosity of its sponsors. Alton Main Street and the Sierra Club express their sincere appreciation to the following local businesses and organizations for supporting the event: Busey Bank, Meyer Jensen Law Firm, Chiro One, Madison County Planning and Development, Illinois Natural History Survey – Great Rivers Field Station, Illinois Environmental Council, Alton Parks & Recreation Department, The Telegraph, Riverbender.com, WBGZ Radio, and AdVantage.

To register for any of the activities or sign up to volunteer visit [www.DowntownAlton.com](http://www.DowntownAlton.com). To stay up-to-date on announcements, please visit: [www.facebook.com/EarthtonesFestival](https://www.facebook.com/EarthtonesFestival).

**PHOTO: A past RiverWork Project.**

2020 – 2021 Green Schools Program  
(GSP)



**MADISON COUNTY**  
**Green Schools Program**



2019-2020 Program Guide for Educators 

Curriculum, Countywide Programs,  
Tips, Tools, and More



**Acknowledgements**

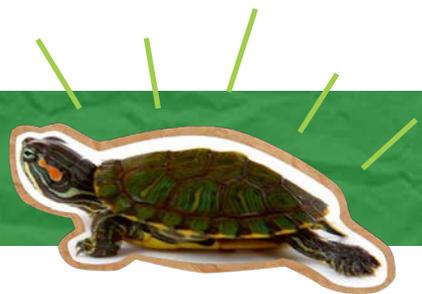
Special thanks to Matt Brandmeyer and Kim Petzing of Madison County Planning and Development, as well as the Madison County Board members who serve on the Planning and Development Committee and support the Resource Education Program. Madison County Green Schools Program Handbook written and designed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

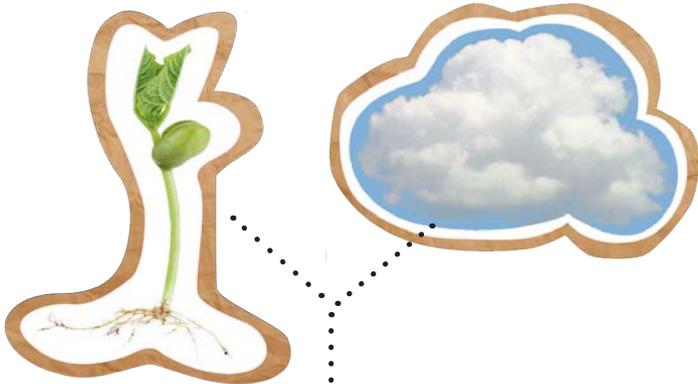


**The Madison County Green Schools Program** is excited to share the second edition of its Curriculum Catalog, a set of standards-aligned lesson plans and learning activities that address human-environment interaction, local ecology, and other geological and geographical concepts.

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)

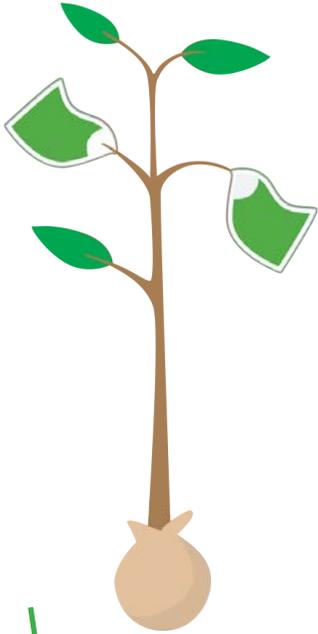
Schools can participate by teaching from provided standards-aligned lessons, conducting materials collection, implementing policies and practices to reduce waste, and entering program competitions.



**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](http://www.co.madison.il.us), then complete, and submit. The School Benchmarking Record is only required of new enrollees, schools that have undergone major construction or renovation since last enrollment, or schools that have not completed the Benchmarking Record in the previous five years.

Enrolled schools are eligible for stipends from the county, as well as yearly awards and recognition. Schools must be active participants in the 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.

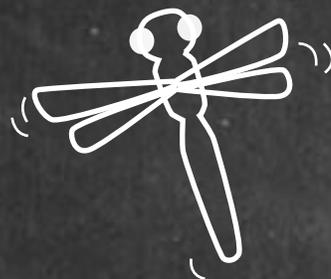


Sign up for a Terracycle Zero Waste box and help your school reduce its waste by recycling unusual items, from action figures to athletic balls.



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





spring peeper

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



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

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

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



white oak leaf

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



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

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

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

monarch butterfly caterpillar



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

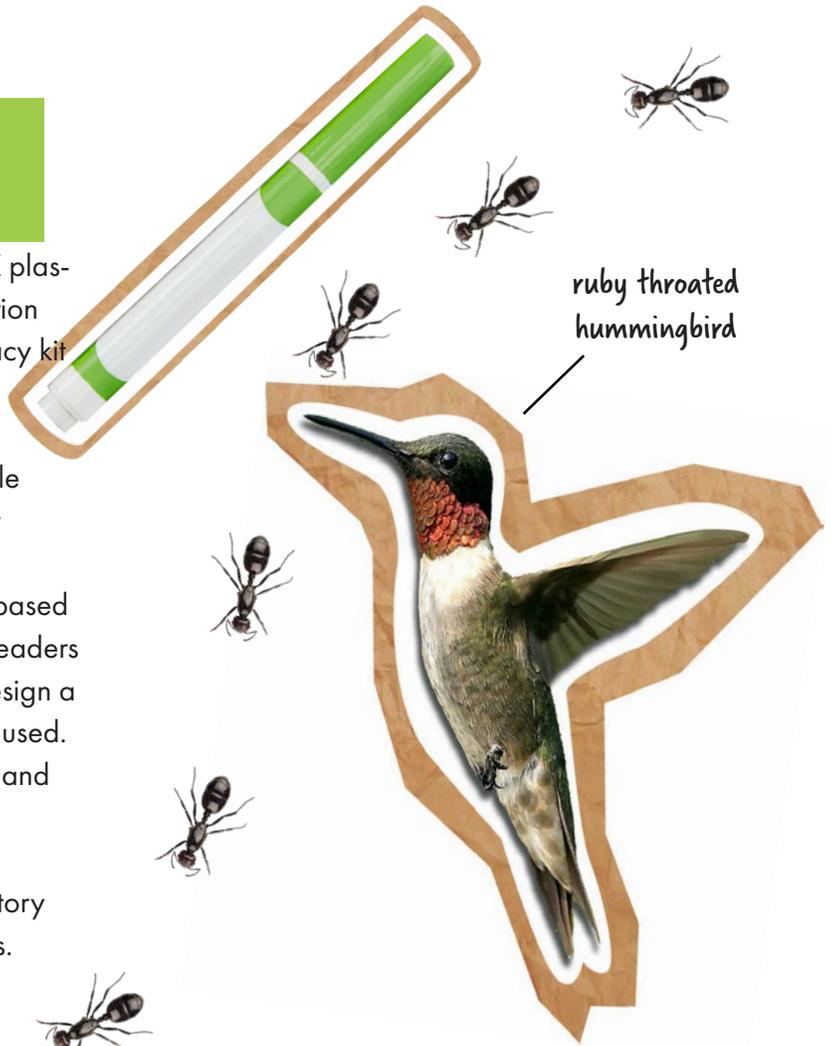
Bring scientific concepts to life with lessons using the EnviroScape, a 3-dimensional landscape model that includes towns, roads, farmland, and natural bodies of water. Students engage in "learning by doing" as they simulate rainfall and observe how pollutants travel from land to the water in our communities.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

(EnviroScape lessons are taught by the Madison County 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:

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

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

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

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

Reduce the amount of waste generated by the school.

**A related goal may be:**

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



### Goals and Objectives Planner

Objective \_\_\_\_\_

Goal \_\_\_\_\_

Goal \_\_\_\_\_

Goal \_\_\_\_\_

# 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."**

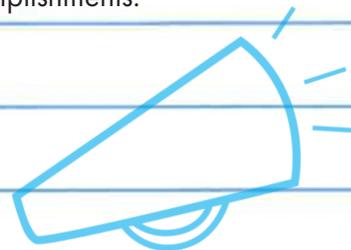
**"Our school has recycled 2,000 pounds of paper this month. That's approximately 16 trees! Way to go!"**



### 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.

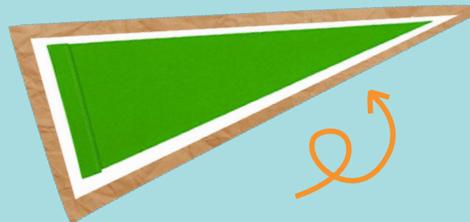
Have contests—decorate recycling bins, hold students-versus-teachers, class-versus-class, or grade-versus-grade contests to see who can be the most effective recyclers, etc.



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



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

# Awards and Recognition



## Team of the Year

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

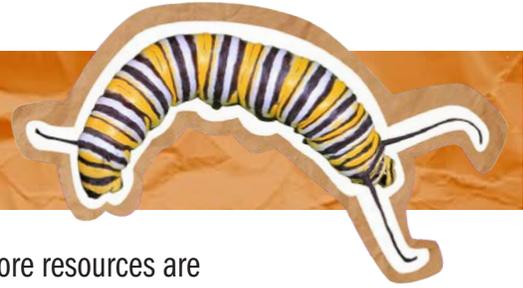
1 Trashformation display ends

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](http://www.madisoncountyplanning.com) and following the link to the Resource Education Program

## Composting and School Gardens

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

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

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

## Monarch Butterflies

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

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

## Recycling

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

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

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

# Join the Mississippi River Plastic Pollution Initiative

Be a part of the solution to combat plastic pollution along the Mississippi River by helping to collect data on marine litter.

Did you know that the Mississippi River is the drainage system for 40% of the United States?

The Mississippi River flows over 2,000 miles from its headwaters in Minnesota to the Gulf of Mexico. It is one of our most essential inland waterways, supporting the livelihoods of people living along the river, and the home to a wide range of plant and animal species.

Up to 80% of marine plastic originates on land, and rivers are a major route for plastic litter to be transported from inland communities to the ocean.

## **We are impacting the River with our actions.**

Items that we use every day - like disposable coffee cups, masks and plastic bags - can end up in the environment, making their way to our rivers.

**The Mississippi Plastic Pollution Initiative** is collecting data through a 'citizen science' approach to create a plastic pollution map. The map will help understand the state of plastic pollution along the river and help scientists, policy-makers, businesses, and citizens take action.

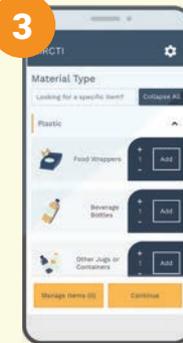


# Here's how you can make a difference by joining our efforts to collect data along the river



## 1 Download the Marine Debris Tracker on Android or iOS

- Download the **Debris Tracker**, a free App to record what type of litter exists and where it is.
- Open the App and allow access to your location to mark where you are finding debris.
- Click "Start Tracking" and select the list named "MRCTI." You're ready to start tracking litter!



## 3 Collect data

- You can collect data alone, in pairs or in a group.
- Log into the Debris Tracker and record the items you find by selecting the type of litter and tapping the "Add" button. You can also upload photos to your log.
- When you are finished, click "Upload Session." A checkmark will appear when it is complete.



## 2 Download the Mississippi River Citizen Science Field Guide

- The guide provides detailed information on how to use the App, and how to collect data easily and safely. [Click here](#) to download it.
- Any data collection in the Mississippi River basin is valuable, but we encourage you to follow this protocol to allow for data comparison and scientific analysis:
  1. Select an area from the sampling maps for: **St. Paul**, **St. Louis** and **Baton Rouge**
  2. Find a 1-m (or 3ft) wide-pathway where litter typically accumulates, such as along a roadside or sidewalk.
  3. Follow the path and record all items within the 1-m transect for at least 30 minutes.

If you want to join an organized clean-up event, [click here](#) to find one in your area and to receive more information on trainings and upcoming events.

The official data collection dates are April 1st to April 25th, 2021 and the information obtained will be analyzed and included in a special report for the Mississippi Plastic Pollution Initiative. However, we encourage you to continue to use the Debris Tracker beyond those dates and to add information, as this will contribute to a larger global database on plastic pollution.



The Mississippi River Plastic Pollution Initiative is a partnership between the United Nations Environment Programme, the Mississippi River Cities & Towns Initiative, the National Geographic Society and the University of Georgia. For updates and more information, visit the website: [www.unep.org/mississippi](http://www.unep.org/mississippi)



# Mississippi River Plastic Pollution Competition



The Madison County Green Schools Program invites schools to participate in a citizen science project focused on recording data on litter at different points along the Mississippi River. This competition will require the use of the Marine Debris Tracker app which will allow participants to log the litter they pick up, as well as the use of GPS which tracks the location of the litter. For students and schools to participate in this competition, their school must be enrolled in the 2020-2021 Madison County Green Schools Program.



**The problem:** It is estimated that 40% of plastic pollution entering the Gulf of Mexico, and then into the ocean, originates from the Mississippi River. This competition targets the problem of plastic pollution in our waterways and helps to track what plastic items are being littered.

Whether your school is currently participating in virtual learning from home or in-person learning, we encourage you to participate in this competition and help to clean up Madison County. This competition allows for social distancing as it only requires students (and their families) to spend time outside while cleaning up their community. We encourage students, their families, and staff to participate in this competition.

If you do not have a smart phone or portable electronic device, contact your school coordinator to find out how to record your collection numbers.

## HOW SCHOOLS CAN PARTICIPATE:

- Students (or their parents) and school staff **must download the Marine Debris Tracker app** and log in with their **school account information**. Make sure to check out the one page overview showing how to use the app and report your data.
- Select the list **MRCTI** (icon to the right).
- Students select an area to clean up. This can be in their neighborhood or one of the targeted areas suggested by Madison County.
- Students and staff use the app to collect data and the litter that they clean up.
- School coordinators will then select 'download my data' for the school account and submit to Madison County. The top three schools will receive the prize money to use towards their school's sustainability goals.



All data collected **APRIL 1<sup>st</sup> -25<sup>th</sup>** will count towards the school's total.

## COMPETITION RULES

- Schools must be located in Madison County and enrolled in the 2020-2021 Green Schools Program.
- Students/Staff/Families must use the MRCTI list when using the app.
- All entries from participants must be logged through the school coordinator's account. The school coordinator will then report the school's results and number of collected items to Bailey Lutz, the County's Green Schools Coordinator.
- School coordinators must keep track of the number of participants (students/staff logging data) to submit at the end of the competition.
- School coordinators must sign 'Acknowledgement of Tips for a Safe Clean-Up and Release of Liability' form when picking up supplies to be used for the competition.
- To calculate the school's totals for the competition, we will divide the number of items logged by the number of participating students/staff at the school. Winning schools will be announced Friday, April 30<sup>th</sup>, 2021

**First Place: \$500 for the school to use towards their sustainability goals**

**Second Place: \$400 for the school to use towards their sustainability goals**

**Third Place: \$300 for the school to use towards their sustainability goals**

**BONUS PRIZE for the school that collects the most items: \$200 for the school to use towards their sustainability goals**

**For any questions or concerns relating to this competition please contact Bailey Lutz, Green Schools Coordinator or reach out directly to your schools coordinator.**

[bnlutz@co.madison.il.us](mailto:bnlutz@co.madison.il.us)

618-296-4606



**MADISON COUNTY**  
BUILDING & ZONING

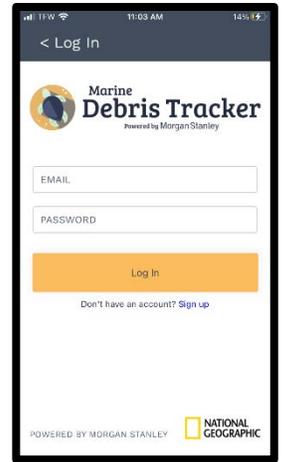


# HOW TO PARTICIPATE IN THE MISSISSIPPI RIVER PLASTIC POLLUTION COMPETITION

The Madison County Green Schools Program invites schools to participate in a citizen science project focused on recording data on litter at different points along the Mississippi River. This competition will require the use of the Marine Debris Tracker app which allows participants to log the litter they pick up as well as the use of GPS which tracks the location of the litter.

**STEP ONE:** Download the Marine Debris Tracker App

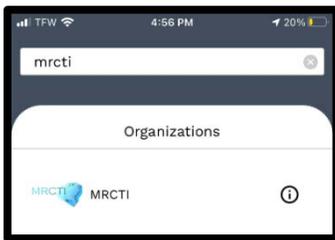
**STEP TWO:** Select 'Log In' and enter your school account information.



**EMAIL:** \_\_\_\_\_

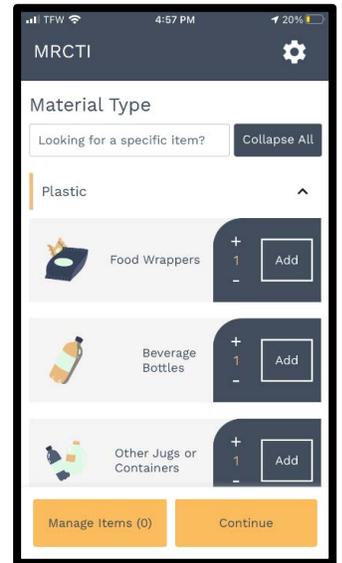
**PASSWORD:** \_\_\_\_\_

**STEP THREE:** Search **MRCTI** under the 'Organizations' list and begin tracking.



**STEP FOUR:** Start your litter collection and log the items!

- When an item is picked up, simply click 'Add' next to the item when it is placed in the trash bag
- When collecting litter while using the app, we have found that it works best when working in a team of at least two (one person is designated to use the app while at least one other wearing protective glove handles the litter)



**STEP FIVE:** Take pictures throughout the collection and share them with your school coordinator!

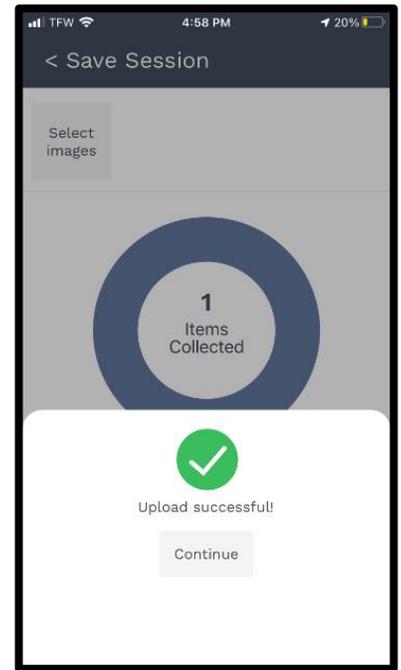
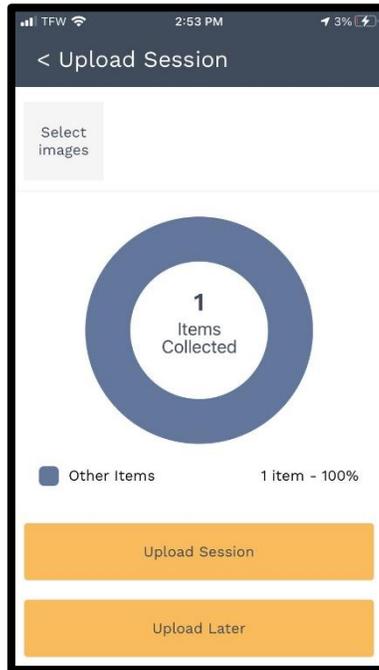
**STEP SIX:** When you are finished with your collection for the day, select 'continue' at the bottom right of the screen to see a summary of all of items you collected and the areas that you walked.



**STEP SEVEN:** When finished, click 'Upload Session' and you will see a green checkmark when it is uploaded.

If you don't have Wi-Fi you can choose to 'Upload Later' until you have Wi-Fi access.

**STEP EIGHT:** After your data is uploaded within the app, we encourage you to participate in other clean-up events **April 1<sup>st</sup>- 25<sup>th</sup>** for participation in the county-wide competition. Each time you collect items and upload data on the app, all of your work will be saved to your school's account, helping you get one step closer to your school winning prize money to use towards your sustainability goals!



To view a video tutorial on using the app and to find out more about the Marine Debris Tracker App, please scan the QR Code or visit [debristracker.org](http://debristracker.org)

After the Madison County Green Schools Competition concludes, we still encourage everyone to use the app to log the litter in their communities. This data will still be used to generate the plastic pollution map that will help policy makers, businesses, and citizens take action.

Please see the 'Tips for a Safe Clean-Up' flyer for safety guidelines to have a safe clean up. Always be cautious of your surroundings when using the app. Stay alert and do not use the app in areas near traffic.

**For questions, contact Madison County Green Schools Coordinator Bailey Lutz  
618-296-4606 or [bnlutz@co.madison.il.us](mailto:bnlutz@co.madison.il.us)**



## Madison County Green Schools Program

# 2020-2021 Green Seed Grants

As an initiative of the Madison County Planning and Development Department, the Madison County Green Schools Program announces a request for proposals for school sustainability projects for the 2020-2021 school year. This grant program is designed to help private, public, and parochial schools meet objectives related to waste reduction and diversion, wise management of air, land, and water, and support of Madison County ecology.

### Green Seed Grant Details

Only Madison County, Illinois schools are eligible for the Green Seed Grant.

**Completed applications are due by 4:30 pm on Friday, December 11th, 2020**

Requests may be in any amount, but may not exceed \$2,000.

Grant funds are awarded by reimbursement. No matching funds are required.

### Eligible Expenditures

**Eligible projects include those that seek to:**

1. Reduce overall school waste.
2. Improve energy efficiency.
3. Enhance, improve, or preserve the quality of air, land, or water in and around school grounds.
4. Improve management of natural resources through stormwater management.
5. Support the health of Madison County ecology, natural spaces, and local flora and fauna.
6. Provide or enrich learning experiences for students as they relate to waste reduction, energy efficiency, natural resource management, as well as local ecology and nature.

Eligible expenditures include those for supplies and services such as recycling bins, tools, native plants, energy auditing equipment, speaker stipends, etc. Expenditures are not limited to the above list. Other projects not listed in the above categories will be reviewed on a case-by-case basis.

**Ineligible expenditures** include transportation, mileage, lodging, food, and labor.

### Evaluation

To be eligible, the applying school must have completed this year's Needs and Interests Survey and must have completed the School Benchmarking Survey within the last five years. Madison County Planning & Development will review all qualified complete proposals received by the deadline. If the total request for funding from all applicants exceeds the amount allocated for this grant program, applications will be approved based on each applicant's proposed effectiveness in promoting the Green Schools Program's objectives at his or her school. Previous successful grantees will be considered after all new applicants, based upon successful fulfillment of previous grants. Project proposals are submitted to the Madison County Planning and Development and Grants Committees for review and approval. Madison County reserves the right to reject any and all proposals.

### Purchasing Requirements

Purchases must follow each school's or district's bid policy. Upon purchase of the equipment or services, copies of invoices, receipts, and all documentation of the purchase must be sent to the Madison County Planning and Development Department, in care of the Green Schools Coordinator. **Failure to produce the above documentation will result in non-payment of grant funds.**

## **Letter of Support**

Grantee must provide at least one letter of support/referral from a school administrator.

## **Plaque/Sticker Requirement**

A plaque or sticker, provided by Madison County, must be placed on any funded equipment/site indicating the source of funding.

## **Reporting Requirements**

Within ninety (90) days of receipt of the grant check, the grantee must send a final report to the Madison County Planning and Development Department. This report must document all activities pertaining to the original grant request and expenditure of grant funds.

Reports must list, if possible, a unit-specific impact of the project, i.e. number of students/people served, pounds or volume of recyclables collected, kilowatts saved, etc. If that information is not available, a narrative of activities accomplished is acceptable. Photo documentation is encouraged.

## **Reimbursement Schedule**

The Planning and Development Committee will pay out 100% of the total grant award upon acceptance, by the grantee, of the purchased equipment, services, supplies, or project via reimbursement. In the event that this arrangement is not practical, exceptions may be made.

To receive this portion of the grant award the grantee must provide:

1. Proper invoices
2. Cancelled checks showing payment of relevant invoices
3. Letter on school letterhead requesting payment of invoices

**All requests for reimbursement must be submitted by October 7th, 2021.**

## **For further inquiries or information, please contact:**

Bailey Lutz, Green Schools Coordinator

Madison County Planning & Development

157 N. Main St., Suite 254

Edwardsville, IL 62025

Direct: 618-296-4606 | Fax: 618-692-8982 |

bnlutz@co.madison.il.us

## **Instructions for Submittal of Madison County Green Seed Grant Proposals**

Please submit one original proposal. All proposals should be typed, double-spaced. Please do not submit grant applications in binders, folders, or other presentation methods. Any maps, diagrams, or other supplemental information can be no larger than legal size paper.

### **A. Summary of Proposal Format: Please submit your application in the following order:**

1. Application (see description below, forms provided)
2. Background/Project Plan (includes budget)
3. Grant Agreement
4. Attachments

### **B. Specific Instructions**

1. **Application:** Use forms provided to fill out Applicant Information and Proposal Budget.
2. **Background/Project Plan:** This section should discuss the population served by the program, and the potential environmental impact of the proposed project. All details should be specifically discussed. Measurement of quantifying data such as materials diverted from landfill, kilowatts saved, or water conserved of the project should be addressed in this section as well. Type, use, and location of equipment must be described. Education activities in support of this project should also be discussed in reasonable detail.
3. **Grant Agreement:** Sign the form provided.
4. **Attachments**
  - a. At least one letter of support from a school administrator is required.
  - b. Copies of information pertaining to all equipment to be purchased with grant funds, including but not limited to photos, equipment specifications, and dimensions.
  - c. Any calculations from product specifics or bid estimates that divert waste/volume of commodities, energy saved (kilowatts, etc.), or other quantitative analysis of payback on proposed project, if applicable.

# 2020-2021 Application for Madison County Green Schools Program Green Seed Grant

## Applicant Information

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name of Applicant Organization (School & District)

\_\_\_\_\_  
Address

City

Zip

\_\_\_\_\_  
Project Manager

Title

Phone Number

\_\_\_\_\_  
Email

Please certify with your signature that the information contained in this application is accurate to the best of your knowledge and that you are authorized to execute this application.

\_\_\_\_\_  
Signature

A. Project Title: \_\_\_\_\_

B. Project Description: Please provide a 2-3 sentence summary of the project.

C. County Funding Requested: \$ \_\_\_\_\_

Please enter total from attached proposal budget



# Madison County Green Schools Program

## Green Seed Environmental Grant Agreement: FY 2021

1. The grant amount cannot exceed \$2,000. If the total cost of the grant is less than \$2,000, that amount will be the total of the grant issued.
2. If the grantee's final expenses are less than the awarded amount, the grantee will be reimbursed for the actual expenses (the lower amount).
3. If the grantee's expenses exceed the amount of the grant awarded, the grantee will not be reimbursed those costs; rather they will be reimbursed only for the amount awarded.
4. Upon acceptance of the application by the Planning and Development Committee of the Madison County Board, the Grants Committee, and the entire County Board, the grantee agrees to submit copies of all invoices for the project and cancelled checks showing payment and a written request on school letterhead for the appropriate funds to this office.
5. The grantee agrees to include the source of funding in any press releases, articles, or public dedication ceremonies regarding the equipment or programs utilizing the equipment.
6. Grantee agrees to have full approval of application from school board or governing body with documented resolution/recognition.
7. The grantee agrees and is required to submit a final report within 90 days of receiving reimbursement of funds documenting all activities pertaining to the original grant request and expenditure of grant funds.
8. Changes or modification in the application by the grantee after a signed resolution negates the entire application unless written modification is reviewed and approved by the Planning and Development Committee.
9. Equipment purchases must be made in accordance with school's or district's bid policies.
10. The grantee further agrees to display a sticker on funded equipment, provided by grantor, promoting the source of funding.

As project manager identified on page one, I have read the above stipulations and agree to honor them as written.

Signature \_\_\_\_\_ Date \_\_\_\_\_



Madison County MS4 Co-Permittee Group  
2020-2021 Quarterly Meeting Agendas

# AGENDA

## MS4 (Quarterly) Co-Permittee Group Meeting April 21<sup>st</sup> & 23<sup>rd</sup> 2020 Conference Call

### Introductions

Ashley Lengerman & Tony Schenk– Gonzalez Companies

### EMA Update

Tony Falconio – EMA

### Training Info

MS4 for Elected Officials – YouTube Video

<https://www.munciesanitary.org/news/new-video-ms4-for-elected-officials-why-is-stormwater-quality-important-for-your-community/>

CESSWI – See attached

### Watershed Plans - Update

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

### MS4 Audits Schedule FY2020

5. Collinsville Township – Completed 10-31-19
6. Jarvis Township – Completed 11-20-19
7. City of Alton – Completed 2-9-20
8. Edwardsville Township – Completed 1-15-20
9. Pin Oak Township –Completed 2-27-20
10. City of Wood River – **TBD**

### Annual Reports

11. Data Collection & Record Keeping Information – **Ashley Lengerman**

### New Events – 2020

12. HHW Collections (**TBD**)
13. Tire Collection (**TBD**)
14. Electronics Recycling Collections (See Flyer for Locations)
  - a. Collinsville: May 2, 2020 – **POSTPONED to be rescheduled**
  - b. Granite City: June 6, 2020
  - c. East Alton: Sept. 26, 2020
  - d. Troy: Oct. 10, 2020

### Discussion Topics – Operations Training

15. Operations Training – December’s Discussion (Rehash)  
Why are we required to participate as an MS4

### Upcoming Events

16. **TBD**

### Down the Road

17. Next Meeting: Wednesday June 10, 2020 at 9am (FY2020 Calendar)

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# Operations & Maintenance

Gonzalez Companies – Tony Schenk, P.E.

# Overview

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- Introduction
- Operation
- Maintenance
- Inspection

# Introduction

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- Stormwater Management Systems are Designed to Impound or Convey Runoff from storms ranging from a 2-Year to 100-Year Events.

# Introduction

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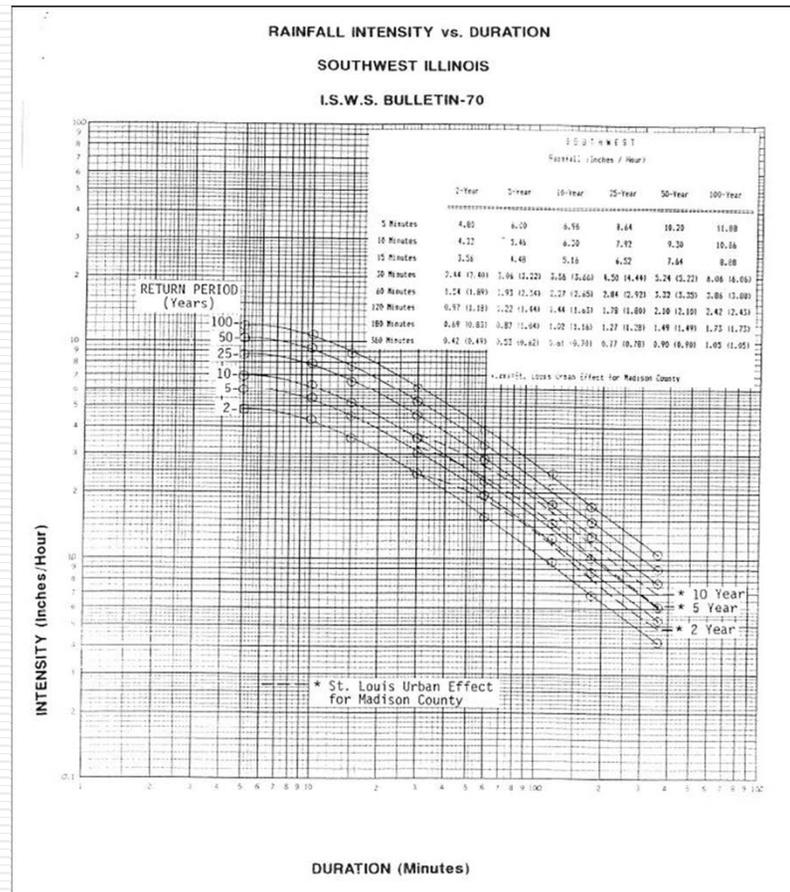
- Occurrence Interval **For Any Year**
  - 2-Year – 50% Chance
  - 10-Year – 10% Chance
  - 25-Year – 4% Chance
  - 50-Year – 2% Chance
  - 100-Year – 1% Chance

# Introduction

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- How is a rainfall event classified?
  - Duration
  - Intensity

# Introduction



# Introduction

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- 60 Minute Duration
- 2-Year Storm – 1.9"/Hr.
- 10-Year Storm – 2.7"/Hr.
- 25-Year Storm – 2.9"/Hr.
- 50-Year Storm – 3.4"/Hr.
- 100-Year Storm – 3.9"/Hr.

# Introduction

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- Why is Stormwater System Operation, Maintenance and Management Important?

# Introduction

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- Failure to perform adequate maintenance or inspections
  - May lead to a reduction in the desired performance
  - May create conditions that are worse than if the facility had not been constructed

# Introduction

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# Introduction

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- Decrease in Performance Levels in Detention Ponds
  - Outlet Structure Improperly Constructed Results in Increase Discharge Rates
  - Storage Decreased Due to Siltation
  - Overflow Clogged Creates Flooding
  - Poorly Draining Areas Become Breeding Ground for Mosquitoes

# Introduction

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# Operation

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- Successful operation of detention ponds depend on maintaining the storage volume and the discharge rate.

# Maintenance

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- ❑ Removal of accumulated solids, debris and litter from the bottom of the detention area.
- ❑ Ensure low flow channels are kept open for positive drainage.
- ❑ Removal of debris from outlet control structure, especially if it has a small orifice.

# Maintenance

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# Maintenance

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# Maintenance

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# Maintenance

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# Maintenance

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- ❑ Mowing and removal of vegetation.
- ❑ Use of low growing, native grasses is recommended to minimize mowing frequency.
- ❑ Vegetative stabilization to keep sides or bottom from eroding.

# Maintenance

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# Maintenance

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# Maintenance

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# Maintenance

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# Maintenance

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- Inspect of detention areas regularly and after large storm events to assure:
  - Proper discharge
  - Prevents soggy bottoms
  - Maintains healthy vegetation
  - Monitors accumulation of sediments

# Maintenance

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- Storm Pond Maintenance Form

# Inspection

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- Design Requirements = Inspection Requirements
  - Bottoms sloped at 2%
  - Low flow concrete swales
  - Side sloped at 3:1 to 4:1
  - Site access for mowing and maintenance

# Inspection

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# Inspection

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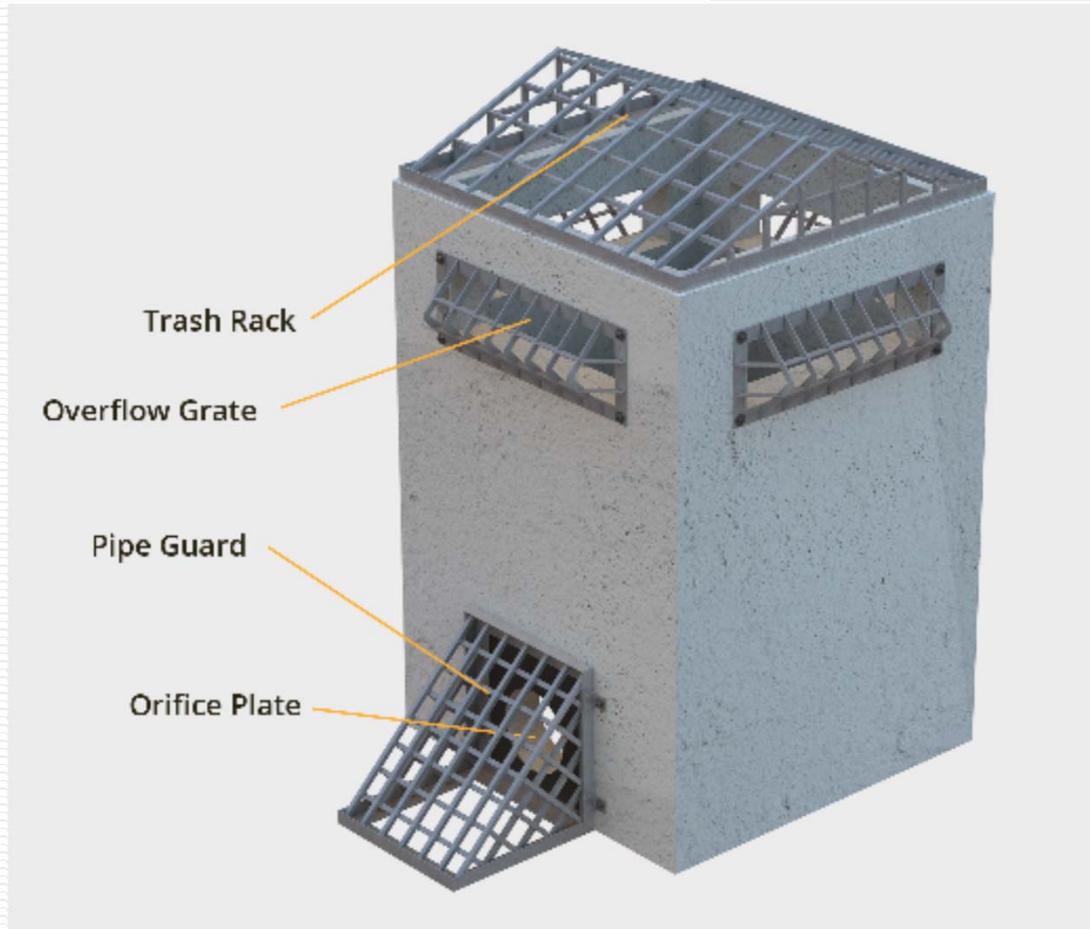
# Inspection

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- Additional Detention Elements
  - Sediment traps
  - Trash racks
  - Outlet control structure
  - Emergency overflow
  - Outlet scour protection
  - Slope stability
  - Vegetative cover

# Inspection

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# Inspection

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# Inspection

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# Inspection

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# Inspection

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- Storm Pond Inspection Checklist

# Questions?

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# **AGENDA**

## **MS4 (Quarterly) Co-Permittee Group Meeting**

**June 10, 2020**

**Go-To-Meeting**

### **Connect to Meeting:**

Please join our meeting from your computer, tablet or smartphone, use the link listed below

<https://global.gotomeeting.com/join/857269373>

Or Dial in on your phone: United States: +1 (646) 749-3112

- One-touch: [tel:+16467493112,857269373#](tel:+16467493112,857269373)

Access Code: 857-269-373

### **Introductions**

Tony Schenk– Gonzalez Companies

### **EMA Update**

Tony Falconio – EMA

### **Watershed Plans Update – Tyler Burk**

1. Highland Silver Lake Watershed - 319 Grant(Projects underway)
2. Canteen/Cahokia Creek Watershed – 319 Grant Applications being taken
3. American Bottoms – Water Resource Inventory (WRI) Completed, Draft Plan Dec. 2020
4. Wood River and Piasa Creek Watersheds – Flood Survey Results Posted Online
5. Indian/Cahokia Creek Watershed – 319 Grant
6. Portage de Sioux Watershed

### **MS4 Audits Schedule FY2020**

7. Collinsville Township – Completed 10-31-19
8. Jarvis Township – Completed 11-20-19
9. City of Alton – Completed 2-9-20
10. Edwardsville Township – Completed 1-15-20
11. Pin Oak Township –Completed 2-27-20
12. City of Wood River – **TBD**

### **Annual Reports**

13. Recap on this past Annual Report – Report Card

### **New Events FY2020**

14. HHW Collections (**TBD**)
15. Electronics Recycling Collections – Andi
  - a. Granite City: June 6, 2020
  - b. Collinsville: August 8, 2020 – (**Rescheduled**)
  - c. East Alton: Sept. 26, 2020
  - d. Troy: Oct. 10, 2020
16. Tire Collection (**October**)

### **Discussion Topics – Quarterly Newsletter**

17. Newsletter
18. Outfall Sampling – TEK Labs

### **Upcoming Events**

19. ASP Webinar Series, spotlight on Turf Reinforcement Mats:

<https://www.aspent.com/news/detail/22/>

<https://www.youtube.com/user/dontaspent/videos>

### **Down the Road**

20. Next Meeting: Wednesday September 9, 2020 at 9am (FY2020 Calendar)

# **AGENDA**

## **MS4 (Quarterly) Co-Permittee Group Meeting**

**Sept. 9, 2020**

**Go-To-Meeting**

### **Connect to Meeting:**

Please join our meeting from your computer, tablet or smartphone, use the link listed below

<https://global.gotomeeting.com/join/675533781>

Or Dial in on your phone: United States: +1 (872) 240-3412

- One-touch: <tel:+18722403412,675533781#>

Access Code: 675-533-781

### **Introductions**

Tony Schenk– Gonzalez Companies

### **EMA Update**

Tony Falconio – EMA

### **Watershed Plans Update – Tyler Burk**

1. Highland Silver Lake Watershed - 319 Grant(Projects underway)
2. Canteen/Cahokia Creek Watershed – 319 Grant Applications being taken
3. American Bottoms – Water Resource Inventory (WRI) Completed, Draft Plan Dec. 2020
4. Wood River and Piasa Creek Watersheds – Flood Survey Results Posted Online
5. Indian/Cahokia Creek Watershed – 319 Grant Application (August)
6. Portage de Sioux Watershed

### **MS4 Audits Schedule FY2020**

7. Collinsville Township – Completed 10-31-19
8. Jarvis Township – Completed 11-20-19
9. City of Alton – Completed 2-9-20
10. Edwardsville Township – Completed 1-15-20
11. Pin Oak Township –Completed 2-27-20
12. City of Wood River – Completed 7-29-20

### **Community Litter Challenge**

13. Brandon Banks

### **New Events FY2020**

14. HHW Collections (**TBD**)
15. Electronics Recycling Collections
  - a. CJD : June 6, 2020
  - b. CJD: August 8, 2020
  - c. CJD: Sept. 26, 2020
  - d. CJD: Oct. 10, 2020
16. Tire Collection October 1<sup>st</sup> & 2<sup>nd</sup> 2020

### **Discussion Topics –**

17. Newsletter - Tony
  - a. June Newsletter Review (Distribution, Comments, Etc.)
  - b. September Newsletter - Community Spotlight Story Suggestions
18. Low Impact Development (LID) – Tony

### **Down the Road**

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

# **AGENDA**

## **MS4 (Quarterly) Co-Permittee Group Meeting December 9, 2020 Go-To-Meeting**

### **Connect to Meeting:**

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/667622173>

You can also dial in using your phone. United States: +1 (571) 317-3112

- One-touch: <tel:+15713173112,,667622173#>

Access Code: 667-622-173

### **Introductions**

Tony Schenk– Gonzalez Companies

### **EMA Updates**

Tony Falconio – EMA

### **Watershed Plans Update – Tyler Burk (Heartlands Conservancy)**

1. Highland Silver Lake Watershed
2. Canteen/Cahokia Creek Watershed
3. American Bottoms Watershed
4. Wood River and Piasa Creek Watersheds
5. Indian/Cahokia Creek Watershed
6. Portage de Sioux Watershed

### **MS4 Audits Scheduled FY2021**

7. City of Collinsville
8. City of Edwardsville
9. Village of Bethalto
10. City of Troy
11. Wood River Township
12. Moro Township
13. Madison County
14. SIUE

### **Clean Communities Challenge**

15. Brandon Banks

### **2020 Events Wrap-up – Andi**

16. HHW Collection
17. Electronics Recycling Collections
18. Tire Collection

### **Discussion Topics –**

19. Newsletter - Tony
  - a. December Newsletter - Community Spotlight Story Suggestions
20. Notice of Intent (Construction ILR10 Permits) – Tony
21. Seasonal BMPs

### **Down the Road**

22. Next Meeting: Wednesday March 10, 2021 at 9am
23. FY2021 Calendar

Madison County Health Department  
2020 Municipal Larvicide Training

**From:** Kim A. Semanisin <[kasemanisin@co.madison.il.us](mailto:kasemanisin@co.madison.il.us)>  
**Sent:** Wednesday, April 1, 2020 1:24 PM  
**To:** Erin J. Boester <[ejboester@co.madison.il.us](mailto:ejboester@co.madison.il.us)>  
**Cc:** Kim A. Semanisin <[kasemanisin@co.madison.il.us](mailto:kasemanisin@co.madison.il.us)>  
**Subject:** IMPORTANT UPDATE: 1 hr solid mosquito larvicide training for 2020  
**Importance:** High

Municipal Government Officials, Township Supervisors and Public Works Directors:

The Madison County Health Department would like to share an important update regarding the annual 1-hour Solid Mosquito Larvicide Training for calendar year 2020. If staff attended the training in calendar year 2019 and received the IDOA certificate, that has been extended until 12/31/2020 and training is not required in 2020.

In an effort to accommodate essential business operations during the COVID-19 pandemic, **if municipality personnel need this training to fulfill job requirements in calendar year 2020 and did not attend a training in 2019**, the Illinois Department of Public Health (IDPH) staff will be providing limited 1-hour Solid Mosquito Larvicide via webinar.

**If you have employees who meet the requirements to attend this training, to ensure a spot in the IDPH webinar training, please e-mail [eh@co.madison.il.us](mailto:eh@co.madison.il.us) soon as possible with the attendee's name, affiliation, and an e-mail address. The Madison County Health**

2

**Department will provide that information to IDPH. Once the contact information has been submitted to IDPH, training announcements will be sent to the names provided within the upcoming weeks by IDPH.**

Thank you.



IDPH President, CPA  
Madison County Board Chairman

**Kim Semanisin, Secretary**  
618-296-6079 | [kasemanisin@co.madison.il.us](mailto:kasemanisin@co.madison.il.us)  
Madison County Government | Environmental Health Division  
101 East Edwardsville Road | Wood River, IL 62095  
618-692-8954 X 3 | [www.co.madison.il.us](http://www.co.madison.il.us)



Madison County Government  
**Health Department**

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

## Memorandum

**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:** March 18, 2021

**Subject:** 1 Hour Larvicide Training Announcement

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This memo is to notify you that the Illinois Department of Public Health is offering 1 hour larvicide trainings over the next few weeks via WebEx. Individuals who will be applying prepackaged larvicides this season are only required to attend **ONE** of the training options below for certification. Please register for a training below by clicking on the desired link and then click "Register" next to event status and complete the registration fields. Please feel free to forward this training announcement to anyone who needs to attend.

March 23, 2021 at 1:00 pm

<https://illinois.webex.com/illinois/onstage/g.php?MTID=e14b0020c4732c997a52603a4c474aba3>

March 31, 2021 at 10:00 am

<https://illinois.webex.com/illinois/onstage/g.php?MTID=eb261629134dd5df2645fdbb7c2b81c44>

April 8, 2021 at 2:00 pm

<https://illinois.webex.com/illinois/onstage/g.php?MTID=e193f62e66b57d7a760daa7e5ad3259d1>

April 9, 2021 at 10:00 am

<https://illinois.webex.com/illinois/onstage/g.php?MTID=e2e86f1d78d95dcca05553957a0a88cef>

April 14, 2021 at 10:00 am

<https://illinois.webex.com/illinois/onstage/g.php?MTID=e07662fddcedce3656276830527bae838>

If you have any questions, you may contact Samantha Kerr, Vector Control Program Manager with Illinois Department of Public Health, at [Samantha.Kerr@illinois.gov](mailto:Samantha.Kerr@illinois.gov).

## 2020 Prescription Drug Take Back

JOHN D. LAKIN  
SHERIFF



Administration: (618) 692-6087  
Investigation: (618) 692-0871  
County Jail: (618) 692-1064  
Non-Emergency: (618) 692-4433  
Fax: (618) 656-1210

**OFFICE OF THE SHERIFF  
MADISON COUNTY, ILLINOIS  
405 Randle Street  
Edwardsville, Illinois 62025**

**PRESS RELEASE**

October 1, 2020

Monday, September 21, 2020, deputies from the Madison County Sheriff's Office made their drop off in regard to the "Rx 4 Safety" prescription drug initiative.

Sheriff John D. Lakin, in partnership with Madison County Planning and Development and **ALL** the Police Chiefs of Madison County, in this collection, collected over 1,980 pounds of prescription and over-the-counter medications. These medications have been disposed of at a federally regulated location, approved by the E.P.A. (Environmental Protection Agency). Since implementation of the RX4Safety program in April 2015, the Sheriff's Office has disposed of just over 10 tons of medication.

This is a collective effort between the community and law enforcement to protect the environment from the improper disposal of medications/drugs and to keep our prescription medications from being ingested accidentally, stolen, or misused.

Secured drop off bins are located at the following Police Departments: Alton, Collinsville, East Alton, Edwardsville, Glen Carbon, Granite City, Highland, Madison County Sheriff's Office, Maryville, Roxana, SIU-E, Troy, and Wood River. *These bins were provided by CVS Pharmacy, Republic Waste and the American Water Company.*

**The outstanding part of this initiative is that these drop off locations are available to the citizens 24 hours a day 7 days a week. Citizens don't have to wait for a specific date to get these items out of their homes.**

**These are the items we CAN accept:**

Any over the counter medications, vitamins, liquids, narcotics, cough syrup, prescription medicines, hormones, painkillers, antibiotics, ointments, oils, and any unidentified pills.

**These are the items we CANNOT accept:**

Oxygen tanks, asthma inhalers, mercury thermometers, hearing aids, household waste, and sharps or needles.

If you have any questions regarding this initiative, or the information provided in this release, please feel free to contact Jaimie Linton, Administrator of Business Affairs, for the Madison County Sheriff's Office at (618)296-4850.

## 2020-2021 Christmas Tree Recycling

## 2020-2021 Madison County Christmas Tree Recycling Drop-Off Locations

Municipality/Township	Drop-Off Locations	Address	Curbside Pick-Up?	Comments
Alhambra/Alhambra Township	Village Maintenance Shed	421 Elm St, Alhambra	Yes, please call 618-488-3505 to request	
Alton (5 locations)	<ol style="list-style-type: none"> <li>1. Riverview Park – Park Ave</li> <li>2. Haskell Park – 1211 Henry St.</li> <li>3. James Killion Park at Salu – Washington Ave at Salu</li> <li>4. Milton Park – End of Aberdeen Ave.</li> <li>5. Former Great Central Lumber lot – at the foot of Henry St.</li> </ol>		No	
Chouteau Township	Township Garage	906 Thorngate Rd., Granite City	Yes, please call 618-931-6333 to request.	
Collinsville (2 locations)	<ol style="list-style-type: none"> <li>1. Willoughby Farm – 631 Willoughby Lane</li> <li>2. Woodland Park – 2 Pine Lake Road @ Fletcher Filed parking lot</li> </ol>		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

## 2019-2020 Madison County Christmas Tree Recycling Drop-Off Locations

Municipality/Township	Drop-Off Locations	Address	Curbside Pick-Up?	Comments
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 10
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, <b>curbside pickup only</b>			Yes, please call 345-7028 x2326 or email <a href="mailto:streets@maryville-il.us">streets@maryville-il.us</a> to request pickup
Moro Township		117 Montgomery St., Moro	No	

## 2019-2020 Madison County Christmas Tree Recycling Drop-Off Locations

Municipality/Township	Drop-Off Locations	Address	Curbside Pick-Up?	Comments
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	

## 2020 Electronic Waste Collection

# GOT E-WASTE?

RECYCLE IT RESPONSIBLY!



ACCEPTABLE ITEMS: ANYTHING WITH A CORD, ALL TV MODELS, SMALL APPLIANCES, AIR CONDITIONERS, WASHER/DRYERS, DISHWASHERS, REFRIGERATORS, FURNACES, LAWN EQUIPMENT

JOIN US AT THESE COLLECTION LOCATIONS

## COLLINSVILLE

SATURDAY | AUGUST 8, 2020 | 8AM-2:30PM  
1 GATEWAY DRIVE, COLLINSVILLE, IL 62234

RESCHEDULED

## EAST ALTON

SATURDAY | SEPTEMBER 26, 2020 | 8AM-2:30PM  
630 BERKSHIRE BLVD., EAST ALTON, IL 62024

## GRANITE CITY

SATURDAY | JUNE 6, 2020 | 8AM-2:30PM  
2000 EDISON AVE., GRANITE CITY, IL 62040

## TROY

SATURDAY | OCTOBER 10, 2020 | 8AM-2:30PM  
407 EDWARDSVILLE RD., TROY, IL 62294

**NON-ACCEPTABLE ITEMS:** BUSINESS AND CONTRACTOR WASTE, PAINT, HAZARDOUS WASTE, BATTERIES, OILS, FIRE EXTINGUISHERS, PROPANE TANKS, OXYGEN TANKS, DVDS, VHSS, CDS, CASSETTE TAPES, TRANSFORMERS, BALLASTS, DEVICES CONTAINING MERCURY, SMOKE DETECTORS.

**FREE FOR ALL MADISON COUNTY RESIDENTS!**  
**\*APPOINTMENTS REQUIRED\***

QUESTIONS? CONTACT 618.296.6647 OR EMAIL [SUSTAINABILITY@CO.MADISON.IL.US](mailto:SUSTAINABILITY@CO.MADISON.IL.US)

BROUGHT TO YOU BY:  
MADISON COUNTY PLANNING AND DEVELOPMENT  
CITY OF TROY & CJD E-CYCLING



REGISTER HERE!  
[HTTPS://RECYCLERESPONSIBLY.AS.ME](https://recycleresponsibly.as.me)  
OR SCAN THE QR CODE

(OPEN PHONE CAMERA AND POINT  
TO SCAN CODE)



## 2020 Tire Collection Day



# USED TIRE COLLECTION

Madison County is pleased to sponsor a Used Tire Removal Action in cooperation with the Illinois Environmental Protection Agency.

This Used Tire Removal Service is being conducted to assist units of local government with disposal of used or waste tires collected from open dumping, public ROWs or on abandoned properties.

## PLEASE NOTE:

**Governmental entities ONLY.** *Do not advertise this service to the public.*

Used or waste tires generated from ULG fleets or from local businesses are prohibited.



**THURSDAY, OCTOBER 1st  
& FRIDAY, OCTOBER 2nd**



**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

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

## IEPA & Madison County Used Tire Collection

### Participation Summary

<u>Year</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
<b>Total # Muni/Township</b>	38	41	37	37	30
<b>Total # Trucks</b>	117	77	84	74	69
<b>Total Weight</b>	156 tons	100.88 tons	85.96 tons	118.75 tons	72.76 tons

<u>Organization</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Alhambra Township	1	1	1	1	1
Alhambra, Village of	1	1	0	1	0
Alton, City of	11	4	3	5	2
Bethalto, Village of	8	1	2	1	1
CARD	0	1	1	0	0
Chouteau Township	5	5	2	3	6
Collinsville, City of	3	1	2	3	2
Collinsville Township	1	2	1	1	1
Dorchester Township	0	0	0	1	0
East Alton, Village of	1	1	4	2	1
Edwardsville, City of	1	1	0	2	1
Edwardsville Township	2	0	0	1	0
Foster Township	4	3	2	3	3
Ft. Russell Township	2	2	2	1	3
Glen Carbon, Village of	0	1	1	0	1
Godfrey, Village of	4	0	1	0	0
Granite City, City of	0	0	0	0	0
Grantfork, Village of	0	0	1	0	0
Hamel Township	2	2	1	1	1
Hamel, Village of	1	1	1	1	0
Hartford, Village of	4	1	3	2	1
Helvetia Township	4	4	2	4	3
Highland, City of	2	1	2	2	2
IDNR Cahokia Mounds	0	0	0	1	0
Jarvis Township	4	3	3	2	4
Leef Township	3	2	2	2	1
Livingston, Village of	0	2	1	0	0
Madison, City of	1	2	2	2	1
Madison County	0	0	0	0	6
Marine Township	1	1	1	0	1
Maryville, Village of	2	1	1	0	0
Moro Township	5	2	1	1	1
Nameoki Township	3	2	2	1	1
New Douglas Township	1	0	2	0	0
New Douglas, Village of	2	3	9	0	0
Olive Township	3	1	3	3	5
Omphghent Township	1	2	3	2	4

Pierron, Village of	0	0	0	1	1
Pin Oak Township	1	3	7	6	8
Roxana, Village of	15	5	4	5	0
Saline Township	2	1	1	1	2
SIUE	0	0	0	1	0
St. Jacob, Village of	0	0	0	0	0
St. Jacob Township	1	1	0	1	0
Sorento, Village of	0	2	3	3	0
South Roxana, Village of	1	1	0	0	0
Staunton Township	0	2	0	1	0
Troy, City of	3	1	0	2	0
Venice, City of	0	1	0	0	0
Venice Township	1	1	1	0	1
Wood River Township	5	1	3	1	3
Wood River, City of	5	4	3	3	1
<b>Total</b>	<b>117</b>	<b>77</b>	<b>84</b>	<b>74</b>	<b>69</b>

## 2020 Hazardous Waste Disposal

# Madison County HOUSEHOLD HAZARDOUS WASTE Collection



**APPOINTMENTS ARE REQUIRED**

## Accepted Items

- Oil-based paints
- Pesticides & herbicides
- Lawnfertilizers & chemicals
- Cleaning solvents
- Paint thinners
- Hobby chemicals
- Antifreeze, motor oil, old gasoline
- Pool chemicals
- Household batteries
- Items containing mercury (i.e. thermostats, thermometers)
- Medicines
- Lead-acid batteries
- Fluorescent lights

## Reserve A 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](https://recycleresponsibly.as.me)

**WHEN**  
Saturday, October 31, 2020  
7AM - 3PM

**WHERE**  
SIUE, Parking Lot P-8  
Research Dr. | Edwardsville | 62025

**WHO**  
Any Madison County  
Resident

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

**No Latex paint, Tires, Electronics, Ammunition, Agricultural wastes, Explosives, Fireworks, Fire extinguishers, Smoke detectors, Farm machinery oil, Business or Biohazard waste accepted.**

BROUGHT TO YOU BY:  
MADISON COUNTY PLANNING & DEVELOPMENT  
SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE

FOR MORE INFORMATION, CALL 618.296.6647



## 2020 Election Yard Sign Recycle

# WE WANT YOU



# TO RECYCLE

## YOUR YARD SIGNS WITH MADISON COUNTY



Lewis & Clark  
Community College

North Entrance Lot  
by Security Parking

## November 3rd through 8th



Corrugated Plastic Signs **ONLY**  
Metal Base & Plastic Sign  
Placed in Separate Containers



Southern Illinois  
University Edwardsville

Campus Parking Lot  
P - 8



Brought to you by:  
Madison County Planning & Development



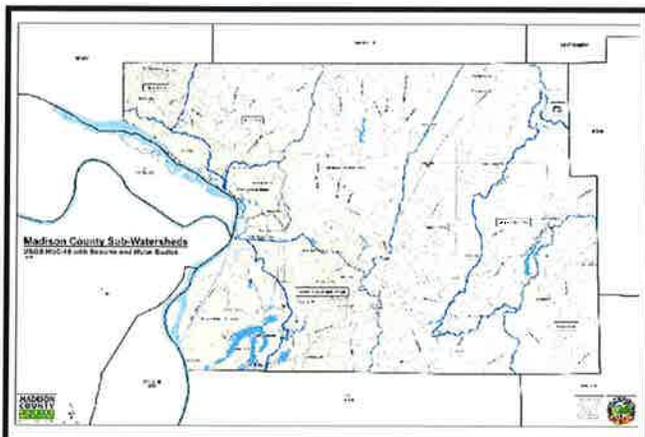
2020 Stormwater Management  
and Watershed Plans

## Stormwater Management & Watershed Plans

The Madison County Stormwater Management Commission and the Building & Zoning Department are completing a Countywide Stormwater Management Plan. The purpose of the plan is to address issues associated with stormwater for both incorporated and unincorporated parts of the county. The countywide approach is intended to put everyone on the same page and create multi-jurisdictional opportunities instead of addressing issues individually. Over the last few years planners have been working with municipalities and townships to identify a wide-range of flooding, drainage, and water quality issues and establish best management practices to address them. The overall goals of the plan are as follows:

- Reduce flooding and mitigate flood damage
- Improve water quality
- Promote best practices for land development
- Develop organizational and regulatory framework
- Conduct public education and outreach

An outgrowth of the management framework are individual watershed plans. The watershed plans provide the opportunity to identify and examine specific issues on a local level and propose projects to alleviate those issues. The watershed plans also provide greater opportunity for public input through a public forums, stakeholder meetings, and resident surveys.

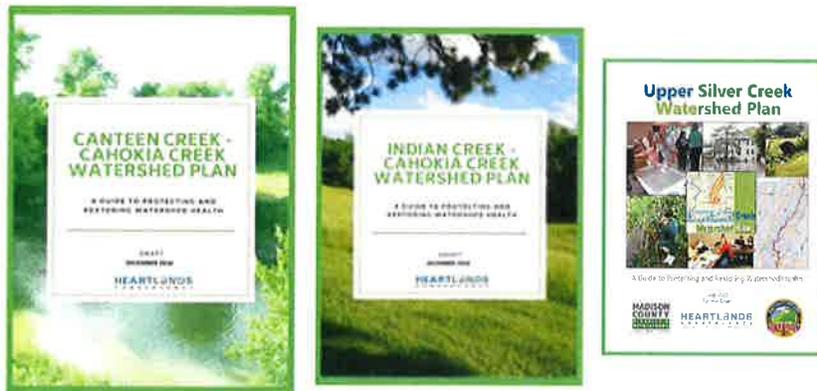


The geographic boundaries of the watersheds are associated with the primary creek system within the larger drainage area. This strategy was chosen since it involves multiple municipalities and townships that are linked together by the creek and each watershed has shared impacts. Planners have completed plans for Upper Silver Creek, Indian Creek, and Canteen Creek watersheds, and they're nearly finished with a plan for the American Bottom watershed, which is also known as Judy's Branch.

After the American Bottom plan is completed, the team will begin planning for the Wood River Creek and Piasa Creek watersheds.

To date, the efforts has helped raise over \$1 million in grants from the Environmental Protection Administration (EPA). The \$500k Upper Silver Creek grant and \$450k Silver Lake grant are being expended to address issues in their respective watersheds. Another \$200k will go to fund the Wood River Creek and Piasa Creek watersheds. In addition, the U.S. Corps of Engineers (USACE) has partnered in the efforts by

providing in-kind support by completing comprehensive studies of the natural drainage system within each watershed.



**Canteen-Cahokia Creek Watershed Plan      Indian-Cahokia Creek Watershed Plan      Upper Silver Creek Watershed Plan**

**Executive Summary - Canteen-Cahokia Creek Watershed Plan**

**Update: 3/2/2020**

**Executive Summary - Indian-Cahokia Creek Watershed Plan**

**Update: 3/2/2020**

**Article**

**Illinois EPA awards nearly \$954,000 to HeartLands Conservancy for water quality protection within the Canteen Creek-Cahokia Creek Watershed**

SPRINGFIELD — Illinois Environmental Protection Agency Director John J. Kim announced HeartLands Conservancy will receive nearly \$954,000 in grant funding to provide technical and financial assistance to rural and urban landowners to voluntarily implement the locally developed Canteen Creek-Cahokia Creek Watershed Plan.

[View Full Article Here](#)

**Grant Program**

**Canteen-Cahokia Creek Watershed 319 Cost Share Program**

The goal of this program is to improve water quality in the Canteen-Cahokia Creek watershed by facilitating the voluntary implementation of highly effective Best Management Practices (BMPs). Approved projects will be eligible for reimbursement of up to 50% of the total project cost, while the applicant will be responsible for at least 50%.

If you are interested in participating in the program, please fill out an [application form](#).

More information can be found [here](#).

**Updated: 3/2/2020**

### **Piasa Creek Watershed Survey Final Report**

This report summarizes the findings of the Community Flood Survey for the Piasa Creek watershed (HUC 0711000902), which was distributed to residents and business owners to gather information about the location, extent, impacts, and causes of flooding in the watershed.

A total of 117 surveys were completed from within the study area out of 700 mailed, giving a response rate of 17%. Some of these were collected via on-line survey. The Piasa Creek watershed is a 77,882-acre area that drains to the Mississippi River

**Updated: 3/3/2020**

### **Wood River Creek Watershed Survey Final Report**

This report summarizes the findings of the Community Flood Survey for the Wood River watershed (HUC 0711000903), which was distributed to residents and business owners to gather information about the location, extent, impacts, and causes of flooding in the watershed.

A total of 325 surveys were completed from within the study area out of 2,300 mailed, giving a response rate of 14%. The Wood River watershed is a 78,598-acre area that drains to the Mississippi River

**Updated: 3/3/2020**

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[Sitemap](#)

Powered By Revize Login

157 North Main Street,

Edwardsville, IL. 62025

618-296-6200 | Click [HERE](#) to Email

Department Contact Information Click [HERE](#)

Business Hours: Monday-Friday, 8:30 AM - 4:30 PM

89°57'28.758"W 38°48'47.095"N



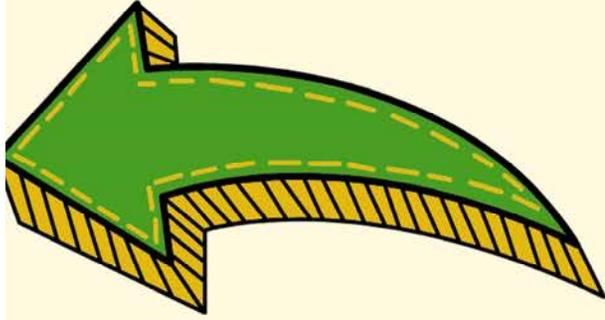
AddThis Sharing Sidebar

## 2020 Recycling Station Survey



# PLANNING INITIATIVES





In partnership with SIUE, Madison County is conducting a study of 7 recycling drop-off stations within the county.

Please consider taking this short survey.

**All survey participants will be entered to win a \$25 Gift Card**  
(Email Required)



# TAKE IT ONLINE BY SCANNING THIS QR CODE!



**Simply open your smart phone camera and point. It's that easy!**

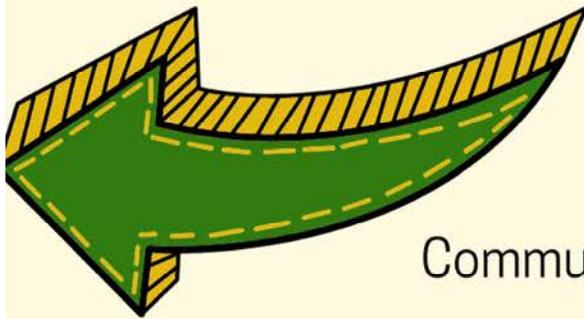
OR

# TAKE A PAPER COPY AND PLACE COMPLETED SURVEY BEHIND GREEN TAB

Active Survey: 2/1/2020 - 4/17/2020

Thank you for your feedback.  
Community input is essential to meeting our goals.

For more information, email [sustainability@co.madison.il.us](mailto:sustainability@co.madison.il.us) or find us on Facebook at Madison County Sustainability



## 2020 – 2021 Groups and Organizations

Join APWA for half price by taking advantage of our "Never Been A Member" special offer

Join Now!

Jobs Store | Cart Members' Library eLearning Portal Join



Sign in



## 'In the Know' Articles

Identifying tips and practices for a more sustainable future



### Madison County, Illinois cities recognized for their sustainability efforts



MADISON COUNTY, IL – The cities of Alton and Highland were awarded earlier this year for their participation in the pilot program of the Green Cities Challenge, which was launched in 2015 as an extension of the St. Louis Green Business Challenge.

The Green Cities Challenge, developed by Sustainable St. Louis, Earthways Center of the Missouri Botanical Garden, and the St. Louis Regional Chamber, addresses the unique needs of municipalities to help implement sustainability strategies in everyday operations and to engage constituents, both residents and businesses.

Join APWA for half price by taking advantage of our "Never Been A Member" special offer

Join Now!

three years because of lighting upgrades and other energy efficiency strategies

The City of Highland was recognized for:

- Instituting a Complete Streets Policy
- Creating an opportunity for children to interact with nature in a mini-ecosystem at Silver Lake Park
- Establishing a community recycling policy for curbside recycling and City department

Both cities, who are sponsored in the challenge by Madison County Planning & Development Department, are building on these programs to further their work in sustainability.

"The City of Alton continues to explore opportunities to engage in efficient energy practices in order to maintain our current standard of living and preserve resources for future generations," said Alton Mayor Brant Walker.

"Having the opportunity to be a part of the Green Cities Initiative has shed new light on best management practices in the green industry," stated Mark Rosen, Highland's Director of Parks & Recreation. "We are excited to embark on incorporating new ideas to be an area leader in conserving and enhancing our environmental resources."

Other cities participating in the Green Cities Challenge are Chesterfield, Creve Coeur and Maplewood in Missouri, as well as Granite City in Illinois.

## News Article

### **For additional information:**

**City of Highland, Illinois** - Mark Rosen, Director of Parks and Recreation, [mdrosen@highlandil.gov](mailto:mdrosen@highlandil.gov)

**City of Alton, Illinois** - Matt Asselmeier, Deputy Director, Department of Development and Housing, [masselmeier@cityofaltonil.com](mailto:masselmeier@cityofaltonil.com)

**Madison County, Illinois** - Kim Petzing, Sustainability Coordinator, Planning & Development, [kspetzing@co.madison.il.us](mailto:kspetzing@co.madison.il.us)

**EarthWays Center of the Missouri Botanical Garden** - Jean Ponzi, Green Resources Manager, [greenresources@mobot.org](mailto:greenresources@mobot.org)

**For resources and tools related to sustainability, visit the [Center for Sustainability \(C4S\)](#) and [C4S Toolkit](#).**

## Chapters



## EVENT DETAIL

« All Events



### Water Resources Committee (WRC) Virtual Meeting



DUE TO THE OUTBREAK OF COVID-19, THE COUNCIL'S OFFICES ARE CURRENTLY CLOSED TO THE PUBLIC AND WILL BE UNTIL FURTHER NOTICE

You can listen, talk, and/or view the February 4, 2021, meeting via:

Computer:

<https://global.gotomeeting.com/join/839034973>

Access code for meeting through computer: 839-034-973

Or

Phone:

+1(872) 240-3212

[Meeting packet for January 2021](#)

You can find more information about the WRC, including past meeting packets, on the [Committees](#) page.

+ Add to gCal

+ Add to iCal

**Details**

**Date:** February 04 **Time:** 10:30 am - 11:45 am

**Event Categories:** [Environmental](#), [WRC](#)

**Venue**

VIRTUAL ACCESS

# STAY CONNECTED

**SIGN UP**



# ILLINOIS NUTRIENT LOSS REDUCTION STRATEGY

Improving our  
water resources  
with collaboration  
and innovation

Nutrient pollution is a major threat to water quality in Illinois. Over the decades, state and local efforts to control nutrients have yielded positive results, but new strategies are needed to improve the effectiveness of existing water quality programs and secure the long-term health of water bodies in Illinois and throughout the Mississippi River Basin.

## What is nutrient pollution?

Plants and animals need nitrogen and phosphorus to survive. But when too much of either is carried in runoff from city streets and farm fields or flows out of wastewater treatment plants, it can fuel algal blooms that decrease oxygen needed by aquatic plants and animals. In the Gulf of Mexico, nutrients washed down by the Mississippi River have created a 'dead zone' that covers thousands of square miles. Algal blooms also lower property values, hinder recreation, and threaten public health. In addition, nutrient pollution can degrade drinking water quality and require utilities to install costly treatment equipment.

## What is Illinois doing to address the problem?

To help protect local streams and the Gulf, Illinois and 11 other states in the Mississippi River Basin have pledged to develop strategies to reduce the nutrient loads leaving their borders.

These strategies are part

of a national plan developed by the Mississippi River, Gulf of Mexico Watershed Nutrient Task Force to reduce the size of the Gulf of Mexico hypoxic zone.

The Illinois Nutrient Loss Reduction Strategy builds on existing efforts by state and local governments, as well as non-profits and industry, to protect and restore Illinois waterways.

## Key Strategy Components

1. Extends ongoing regulatory and voluntary efforts
2. **Identifies priority** watersheds for nutrient loss reduction efforts
3. Establishes the Nutrient Monitoring Council to coordinate water quality monitoring efforts by government agencies, universities, **non-profits, and industry**
4. Creates the Nutrient Science Advisory **Committee to develop** numeric nutrient criteria for Illinois waters
5. Forms the Agricultural Water Quality **Partnership Forum to** oversee outreach and education efforts
6. Establishes the Urban Stormwater Working **Group to coordinate and improve stormwater programs and education**
7. Lays out strategies for **improving collaboration** among government, **non-profits, and industry**
8. **Defines a process** for regular review and revision



## What does the strategy call for?

The Illinois Nutrient Loss Reduction Strategy lays out a comprehensive suite of best management practices for reducing loads from wastewater treatment plants and urban and agricultural runoff. Recommended activities target the state's most critical watersheds and are based on the latest science and best-available technologies. Along with water quality standards currently being developed, these practices will help the state achieve its ultimate goal of reducing phosphorus and nitrate loads by 45 percent.

The strategy also calls for more collaboration among state and federal agencies, cities, non-profits, and technical experts.



## How was the Illinois Nutrient Loss Reduction Strategy developed?

The strategy was developed by a policy working group led by the Illinois Water Resources Center, the Illinois Environmental Protection Agency, and the Illinois Department of Agriculture. Group members included representatives from state and federal agencies, agriculture, and non-profit organizations as well as scientists and wastewater treatment professionals. By relying on the expertise of diverse stakeholders, the working group developed a cost-effective strategy that meets community and industry needs while still reducing the negative impacts of nutrient pollution on environmental and public health.

## For more information:

- [www.epa.illinois.gov/topics/water-quality/watershed-management/excess-nutrients/nutrient-loss-reduction-strategy/index](http://www.epa.illinois.gov/topics/water-quality/watershed-management/excess-nutrients/nutrient-loss-reduction-strategy/index)
- [water.epa.gov/type/watersheds/named/msbasin/](http://water.epa.gov/type/watersheds/named/msbasin/)



Photo courtesy of David Riecks; other photos courtesy of Illinois-Indiana Sea Grant

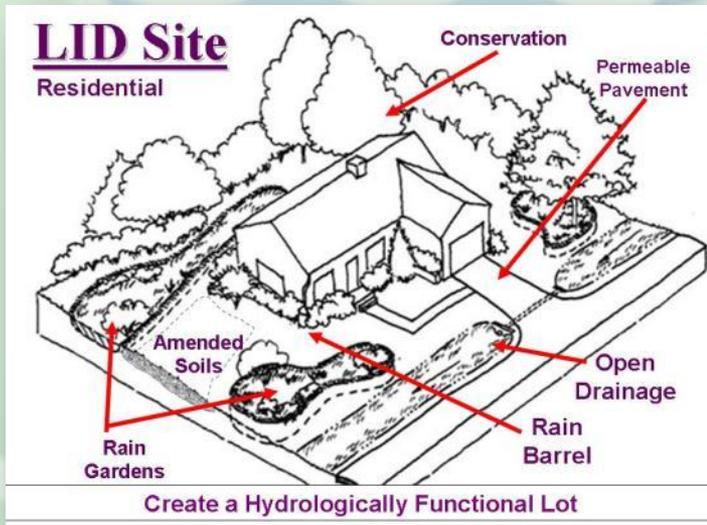
This report was prepared using United States Environmental Protection Agency funds under Section 319 of the Clean Water Act distributed through the Illinois Environmental Protection Agency. The findings and recommendations contained herein are not necessarily those of the funding agencies.



2020 Erosion and Sediment Control  
BMP Training

# LOW IMPACT DEVELOPMENT

## Fundamentals of LID



# Low Impact Development (LID)

Community Planning



LID Site Design



LID BMPs

Larger Conventional BMPs



Receiving Waters



# Low Impact Development (LID)

Traditional

LID

Site Design



BMPs



# LID Site Planning and Design Approach

*Objective - to provide a process by which LID is considered at an early stage in the planning process to prevent stormwater impacts rather than mitigate them.*



# Water Quantity Impacts



Increased stormwater  
volume & velocity

Stream widening &  
down-cutting

Decreased baseflow

And . . . more flooding!

## Changes to Stream Geomorphology



**MANAGE**

**AVOID**

**REDUCE**

**MANAGE**

# LID Site Planning and Design Criteria

- A Protect undisturbed open space;
- A Maximize the protection of natural drainage areas, streams, surface waters, wetlands, and buffers;
- A Minimize land disturbance, locate disturbances in less sensitive areas;
- A/R Minimize the decrease in the "time of concentration" from pre-construction to post-construction;
- A/R Minimize soil compaction;
- R Minimize impervious surfaces;
- M Provide vegetated conveyance and treatment systems;
- M Provide low-maintenance landscaping;
- M Break up or disconnect runoff over impervious surfaces;
- M Provide source controls to prevent / minimize the release of pollutants into stormwater runoff.



# Avoid the Impacts

## Preservation of Natural Features & Compact Development

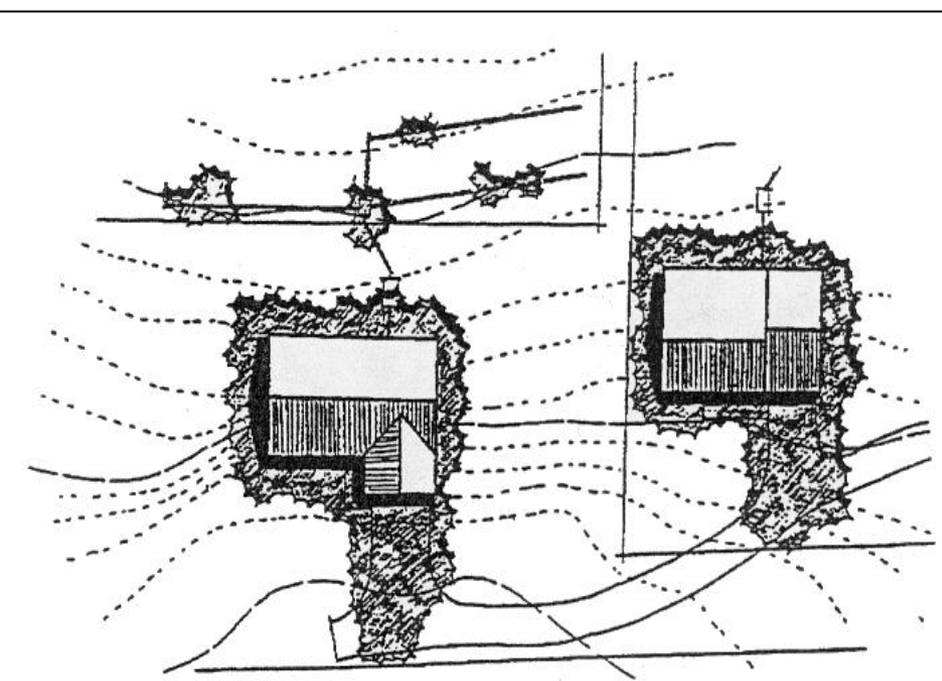
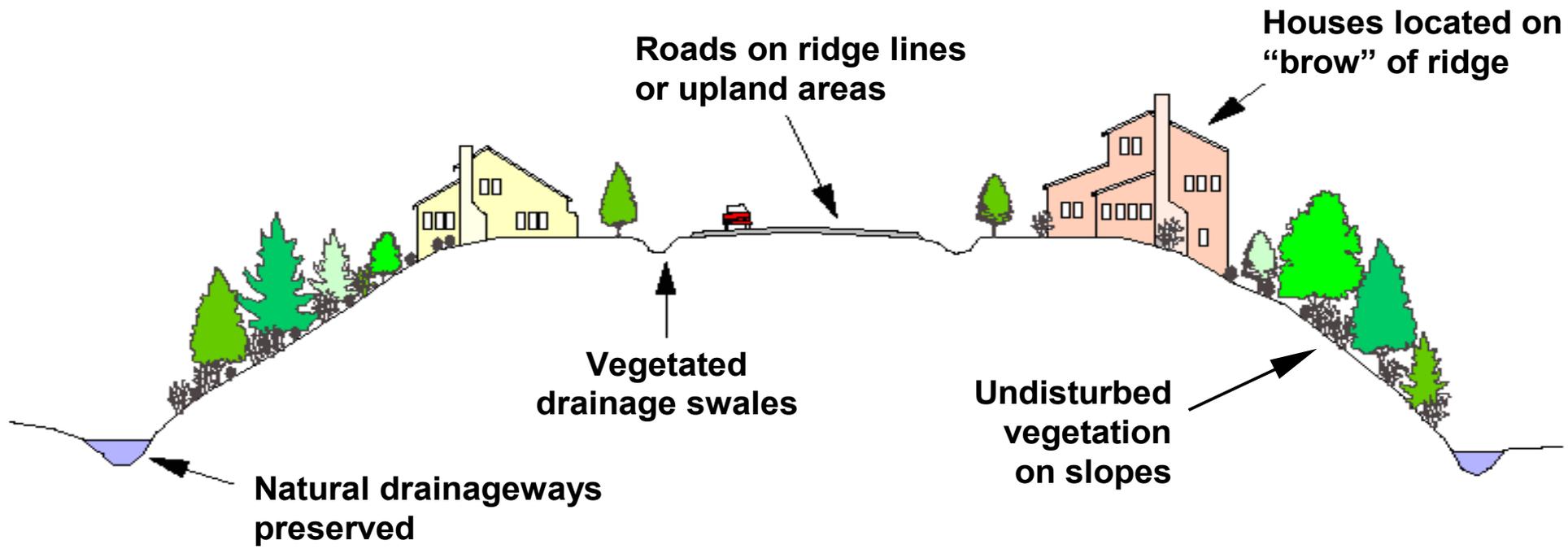
- Preservation of undisturbed areas;
- Preservation of buffers, natural drainage systems;
- Reduction of clearing and grading;
- Locating sites in less sensitive areas;
- Compact development; and
- Working with natural conditions (landscape, hydrology, soils)

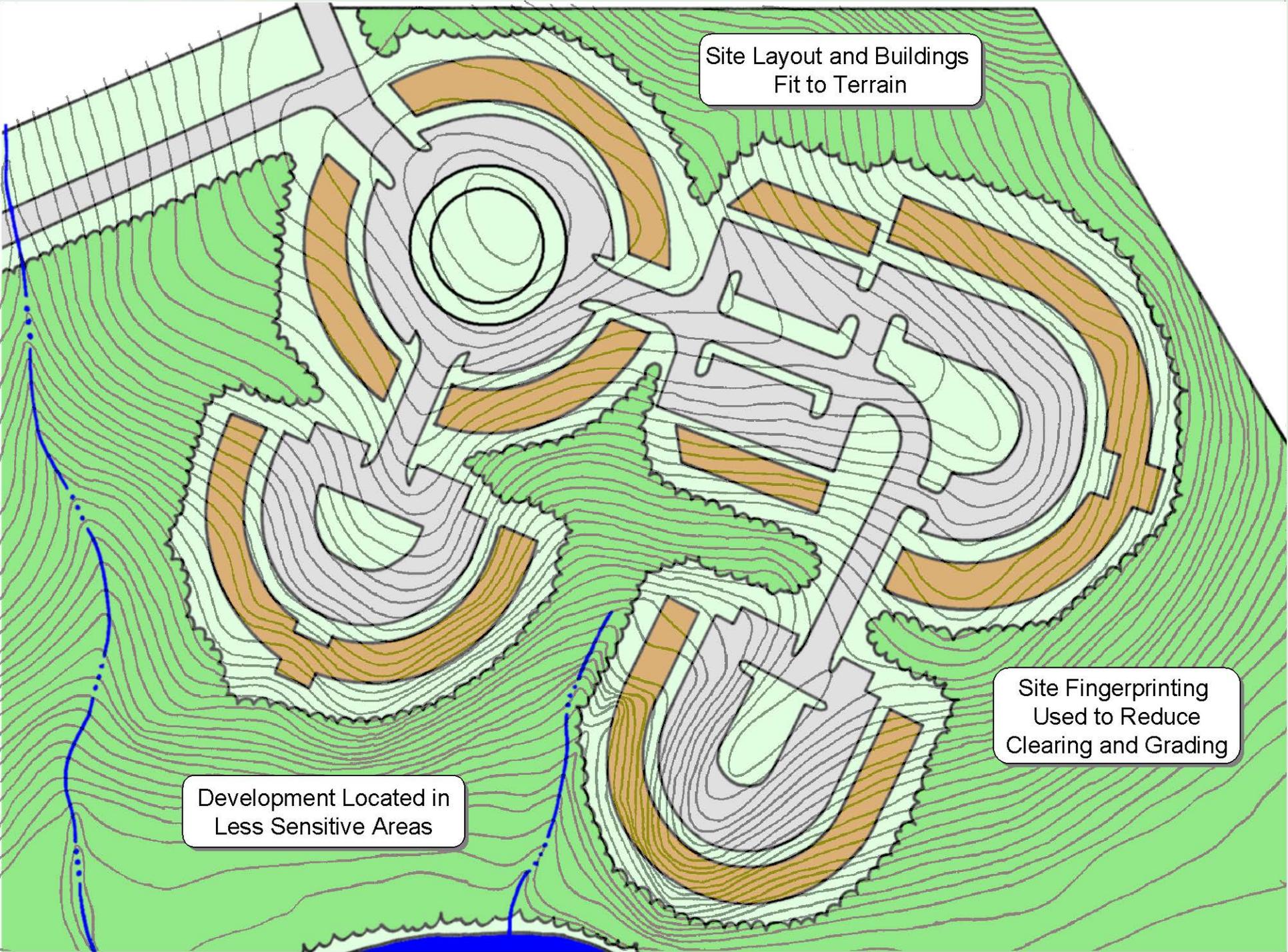


# Open Space Residential Design



© 2011 Microsoft Corporation  
Pictometry Bird's Eye © 2010 MDA Geospatial Services Inc.  
Pictometry Bird's Eye © 2010 Pictometry International Corp





Site Layout and Buildings  
Fit to Terrain

Development Located in  
Less Sensitive Areas

Site Fingerprinting  
Used to Reduce  
Clearing and Grading

# Reduce the Impacts

## Reduction of Impervious Cover

- Roadway Reduction;
- Sidewalk Reduction;
- Driveway Reduction;
- Cul-de-sac Reduction;
- Building Footprint Reduction; and
- Parking Reduction.



# Street Widths and Lengths



Alternative to street sidewalk



Shared driveways reduce total area



Wide cul-de-sac with excessive impervious cover



Hammerhead turn-around





Permeable pavers are an alternative

Oversized parking lot with excessive impervious cover



Parking demand ratios dictate parking lot size



# Manage the Impacts

## Source Controls/Structural Controls

- Disconnection of Impervious surfaces;
- Mitigation of runoff\*;
- Stream restoration; and
- Reforestation.

\*Practices that rely on natural systems (e.g., bioretention, constructed wetlands, infiltration, filtering)



# *Rain Gardens*



# *Rain Barrels and Cisterns*



# *Green/blue Roofs*



# *Green/blue Roofs*



# *Stream Restoration*



# *Stream Daylighting*



# *Reforestation*



# *Street Trees*



# Process for Evaluating Feasibility Development Approval Process

Review approval process to determine if the following are issues:

- Stormwater management is not required to be addressed at a site concept stage (where other site elements are defined).
- Site plans and details submitted to different agencies for review do not always show the proposed locations of stormwater BMPs or drainage infrastructure.
- Resource inventories do not specify areas on a development site that may be appropriate locations for stormwater management.
- Limited guidance exists for plan review staff to shape the selection and design of appropriate green infrastructure practices.
- Additional permitting requirements and variances necessary for approval of green infrastructure designs.
- Standard checklists and narratives related to LID do not exist, or are not properly used by applicants.



# 2020 Construction Site Inspector's Training

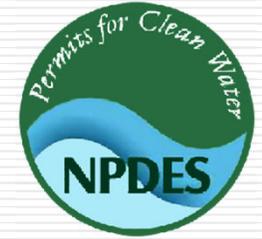
# Notice of Intent (NOI) for Construction Site Disturbance

Gonzalez Companies - Tony Schenk, P.E.

# Overview

---

- NOI Basics
- Example NOI
- NOI System Change
  - Submitting through CDX



# NOI Basics

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- Operators of construction sites need NPDES permit coverage for discharges of storm water
  - **Operator:** person(s) with day-to-day operational control of activities
  - **Construction:** road construction, construction of residential houses, office buildings, industrial sites, demolition, etc.

# NOI Basics

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- Under Phase II, operators are required to obtain permit coverage for construction activity that results in a total land disturbance of 1 acre or more
  - **Land Disturbance:** exposed soil due to clearing, grading, or excavation activities

# NOI Basics

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- The Phase II Final Rule requires the operator to:
  - Require erosion & waste controls
  - Have procedures that consider potential water quality impacts
  - Have procedures for site inspections
  - Have sanctions to ensure compliance
  - Consider information submitted by the public

# Example NOI

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Do I need and NOI?

[NOI Flow Chart.pdf](#)

[NOI\\_Paper Example.pdf](#)

# NOI System Change

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- ❑ The old NOI submittal System deactivated on Sept. 25, 2020
- ❑ You can longer apply for permit coverage with the paper NOI or the IEPA electronic form
- ❑ **Central Data Exchange (CDX):**  
New location for submission of all NOI's



# NOI System Change

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- Log into CGP NeT (<https://npdes-ereporting.epa.gov/cgp>)
- Existing CDX User (eNOI, NeT, NetDMR)
  - Enter User ID and Password
  - Manually Add Program Service for NeT EPA CGP
  - Certifiers may be asked to sign Electronic Signature Agreement if haven't done so already
- New CDX User
  - Register from within CGP NeT





# **New User**

Requires CDX Registration

# Go to CDX and Register



- Visit NeT CGP (<https://npdes-ereporting.epa.gov/cgp>)
- Click on the Create New Account link
- Select Role
  - Users can only have 1 Role assigned
- Enter your Personal Information
- Create User ID, Password, Answer 3 security questions
  - For Signatory, select and answer 5 additional signature questions
- Enter Organization Information
  - If your Organization does not exist in the system, you can request to have it added
- Enter Phone & Email
- You will receive an email with a verification code. Copy & Paste the verification code into the Verification field
- Preparers are now finished. Signatory will need to authenticate

# User Authentication – Signatory Only



- Signatory will need to complete additional steps to authenticate
- Answer the LexisNexis Questions
  - Use personal information
  - Data is not stored or saved
- Electronically sign the Signature Agreement
  - Can choose to submit paper ESA
  - If LexisNexis fails, must submit paper ESA
  - Paper ESA will take several days to process

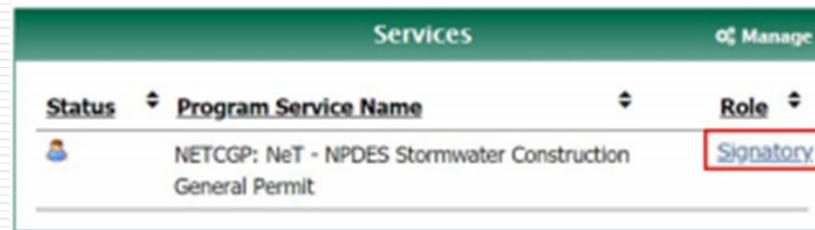
**\*Due to COVID-19, you may scan and email your paper ESA to [NPDESeReporting@epa.gov](mailto:NPDESeReporting@epa.gov) prior to physically mailing in the form to expedite the process\***

# Submitting through CDX

Term	Acronym	Definition
Central Data Exchange	CDX	Point of entry on the Environmental Information Exchange Network for environmental data exchanges to the Agency. A CDX account is required to access CGP forms.
NPDES eReporting Tool	NeT	Data application used to enter/submit NOIs, LEWs, and NOTs.
Notice of Intent	NOI	Used to obtain coverage under a General Permit.
Low Erosivity Waiver	LEW	Used by small Operators who qualify for a waiver based on their rainfall erosivity factor and project size
Notice of Termination	NOT	Upon completion of construction, the Notice of Termination allows Operators to terminate their CGP coverage.
Certifier	None	The entity authorized to certify forms, see, Signatory Requirements, for certifier criteria.
Preparer	None	The individual preparing forms. This may be the certifier or an individual the certifier designates to prepare the form.

# Submitting through CDX

- An NOI through CDX is prepared by a **Preparer** then assigned to a **Signatory** to be certified
  - The Preparer creates a new form
  - The Signatory is assigned as a manager
  - The Signatory reviews, certifies, and signs the NOI



Status	Program Service Name	Role
	NETCGP: NeT - NPDES Stormwater Construction General Permit	Signatory

# Submitting through CDX

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- Forms required to submit an NOI via CDX:
  - Electronic copy of a SWPPP
  - Copy of SHPO approval letter
  - Copy of EcoCAT approval letter
- Once the forms above are successfully uploaded, the NOI can be certified and submitted for review

# Submitting through CDX

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- After an NOI is certified, the payment form can be printed and submitted with a check to the IEPA
- Initial application fees:
  - Projects less than 5 acres: **\$250**
  - Projects 5 acres or more: **\$750**
  - Projects owned by MS4 Community: **exempt from fee**

# Questions?

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# IAFSM 2021 Annual Conference



# IAFSM

*Illinois Association for  
Floodplain and Stormwater Management*

## **2021 Annual Conference**

**Wednesday & Thursday  
March 10 & 11, 2021**

Virtual Conference Event

Questions: Sarah Harbaugh  
IAFSM Executive Secretary

[iafsm@illinoisfloods.org](mailto:iafsm@illinoisfloods.org)

or 630/443-8145

[www.IllinoisFloods.org](http://www.IllinoisFloods.org)

## LOCATION

**Location:** The conference will be a virtual format this year. The presentations will be pre-recorded with live Q&A at the end of the session. The conference presentations will be available to all paid attendees for a year and anyone can register and watch the recorded presentations anytime during that year. Our virtual Exhibit/Sponsor hall will be available for viewing for a year also.

**Registration:** Registration includes your 2021-2022 IAFSM membership. The deadline for registrations and cancellations is March 5, 2021. No refunds after March 5, 2021. Registration will be temporarily suspended From March 6<sup>th</sup> – March 15<sup>th</sup>. Please contact Sarah Harbaugh, [iafsm@illinoisfloods.org](mailto:iafsm@illinoisfloods.org) for last-minute registrations.

Please follow the link below to register on-line.

<https://www.illinoisfloods.org/meetings/register/options/1019>

## EXHIBITORS & SPONSORS

We are offering a unique Virtual Exhibitor/Sponsor Hall this year. Each level gets to create their own page with whatever content they want. Our conference vendor Falcon will assist you to really make your company shine. The Exhibit hall will be open for a full year. The live chat rooms and zoom rooms that you may have on your site will not be available, but all other content will remain intact. You can reference your site to future customers. Falcon will also provide analytics to you, the exhibitor/sponsor, regarding what attendees visited your booth and what assets they clicked on within your booth. Please view the [Exhibitor/Sponsor flyer](#) for more information.

	Thru March 5
Registration Fee	\$225
Full Time Student Registration Fee ( <i>2 day conference</i> ) Please contact Sarah Harbaugh at <a href="mailto:iafsm@illinoisfloods.org">iafsm@illinoisfloods.org</a> to arrange for this special rate) Scholarships are also available.	\$50

## COMMUNITY RATING SYSTEM (CRS)

**CRS:** Lou Ann Patellaro, with the ISO Community Rating System (CRS) program will be exhibiting this year. If you are interested in the CRS or have questions, please visit her at her virtual booth.

### 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, 2021.

## Wednesday, March 10, 2021

- 8:00 am Last minute registration  
Virtual Exhibit Hall opens and remains open all day.
- 9:00 am **Plenary Session**
- Welcome
  - OWR Update, Loren Wobig, IDNR/OWR
  - ISWS/CHAMP Update, Sally McConckey, ISWS
- 10:10 am Break
- 10:30 am **Concurrent Session 1**
- 1A MS4**
- ❖ Use of Watershed Modeling to Support Watershed-Based Planning and Inform Management Decisions
    - Karoline Qasem, Ph.D., E.I.T., Geosyntec Consultants
    - Rishab Mahajan, Geosyntec Consultants
    - Kelsey Pudlock, Chicago Metropolitan Agency for Planning (CMAP)
    - Holly Hudson, Chicago Metropolitan Agency for Planning (CMAP)
  - ❖ North Mill Creek Channel Restoration
    - Derrick Martin, V3 Companies & Lake County Forest Preserve District
  - ❖ Successes and Setbacks: Naturalized Stormwater Basins
    - Tim Pollowy, Hey and Associates, Inc.
- 1B Urban Flooding**
- ❖ Redmond Reservoir Expansion - A Regional Solution to Localized Flooding
    - Marty Michalisko, CFM, PE, Engineering Resource Associates
    - Mehul Patel, Village of Bensenville
    - Jamie Lock, DuPage County
  - ❖ Placemaking Infrastructure: Mundelein's Downtown Stormwater Story (1 hour presentation)
    - Ajay Jain, PE, CFM, HR Green, Inc.
    - Amanda Orenchuk, AICP, Village of Mundelein
    - Daniel Grove, PLA, AICP, LEED, Kimley-Horn and Associates, Inc.
- 1C Regulatory and Mapping**
- ❖ Oh no, not again, or, Watershed Study Dos and Don'ts
    - Liana M. Winsauer, PE, IDNR/OWR
  - ❖ The Industry Progression to 2D Hydraulic Modeling and the Requisite Regulatory Response
    - Garrett Litteken, PE, CFM, Hanson Professional Services, Inc.
    - Anthony Comerio, PE, CFM, Hanson Professional Services, Inc.
  - ❖ Cache River Valley 2D Floodplain Analysis
    - Chris Hanstad, PE, CFM, Illinois State Water Survey
- 12:00 pm Lunch
- 1:30 pm **Concurrent Session 2**
- 2A Bank Stabilization**
- ❖ Bank Stabilization in Confined Residential Neighborhood
    - Chris Hanchett, PE, CFM, CPESC, V3 Companies
  - ❖ Monitoring Streams for Instabilities to Prevent Emergency Situations
    - Emily Jenkins, Farnsworth Group
  - ❖ Woods Creek Stabilization and Riparian Area Restoration – Lake in the Hills, IL

- Logan Gilbertsen, PE, CFM, HR Green, Inc.

**2B Urban Flooding**

- ❖ Rising Tide: Great Lakes Coastal Resiliency Case Studies and Science
  - Emily Campbell, PE, CFM, Geosyntec Consultants
  - Brian Valleskey, CFM, CLP, Geosyntec Consultants
- ❖ Urban Flood Mitigation: Wilmette Neighborhood Storage Case Study
  - Matt Moffitt, PE, CFM, Baxter & Woodman, Inc.
  - Darren Olson, PE, CFM, D.WRE, Christopher B. Burke Engineering, Ltd.
- ❖ 63rd Street Drainage Improvements
  - Derrick Martin, V3 Companies & Village of Woodridge

**2C Legislative**

- ❖ Why and How to Build a Relationship with your Legislator(s) (1 ½ hour session) (Live Panel & Pre-Recorded presentations)
  - P. Kay Whitlock, PE, D.WRE, F.ASCE, Christopher B. Burke Engineering, Ltd.
  - Invited members and past members of the Illinois General Assembly

**2D Vendor**

- ❖ Floodplain Design, Construction, and Impacts on Flood Insurance
  - Bryan Christopherson, CFM, LIA, Floodproofing.com
- ❖ Illinois Public Works Mutual Aid Network (IPWMAN)

3:00 pm Break

3:20 pm **Concurrent Session 3**

**3A Special Topics 1**

- ❖ Using Pre-vegetated Blanket to Achieve Instant Results
  - Robert Livingston, GreenLine Synergy
- ❖ LID and the Soil Conundrum
  - Aaron Ganson, PE, ADS
- ❖ DuPage County Water Quality Improvement Program: Funding Projects and Educating Residents
  - Mary Beth Falsey, DuPage County Stormwater Management

**3B Case Studies**

- ❖ Heritage Park: Regional Drainage Improvements in Homer Glen, IL
  - Logan Gilbertsen, PE, CFM, HR Green, Inc.
- ❖ Dam Breach Analysis and Geotechnical Investigation for a Class II Hazard Potential Dam
  - Ranjita Tiwari, Geosyntec Consultants
  - Emily Campbell, PE, CFM, Geosyntec Consultants
  - Lucas Carr, PE, Geosyntec Consultants
- ❖ Multi-Use Flood Conveyance, Storage, Wetlands, and Recreation Improvements Along the East Branch of the DuPage River
  - Derrick Martin, V3 Companies & Elmhurst Chicago Stone Company
  - Stuart Dykstra, V3 Companies & Elmhurst Chicago Stone Company

**3C MWRD**

- ❖ Buffalo Creek Reservoir Expansion
  - Tim Pollowy, Hey and Associates, Inc.
  - Justin Kirk, PE, CFM, MWRD
- ❖ 2021 Update: MWRD Stormwater Master Planning: Partnering for Resilient Communities (1 hour presentation)
  - Jennifer Maercklein, PE, CFM, V3 Companies
  - Matt Bardol, PE, CFM, CPESC, D.WRE, Geosyntec Consultants, Inc.
  - Richard Fisher, PE, CFM, MWRDGC

- Jack T.P. Chan, PhD, PE, MWRDGC
- 3D RAFT/SDE (1 ½ hour session) (Live Webinar)**
- Marilyn Sucoe, PE, CFM

4:50 -6:30 pm Exhibitor Hall – After Hours and Networking

## Thursday, March 11, 2021

7:30 am IAFSM Board Meeting

9:00 am **Plenary Session**

- Illinois Marine Transportation System Plan and Economic Impact Analysis Study, B.J. Murray, IDOT
- 2020 Illinois River Navigation Lock Rehabilitations, Thomas Heinold, USACE-Rock Island District

10:10 am Break

10:30 am **Concurrent Session 4**

**4A CRS/RR 2.0**

- ❖ Community Rating System - New for 2021
  - Lou Ann Patellaro, CFM, Insurance Services Offices (ISO) – Community Rating System (CRS)
- ❖ The Evolution of Flood Insurance: A Look at Private Flood Insurance and the NFIP's Risk Rating 2.0 (1 hour session)
  - Bruce A. Bender, CFM, Bender Consulting Services, Inc.
  - Tony Hake, Federal Insurance and Mitigation Administration

**4B 2D Case Studies**

- ❖ White River Bank Stabilization - 2D Hydraulic Modeling of Bendway Weirs
  - Nabil Ghalayini, PE, D.WRE, CFM, PMP, WSP USA, Inc.
- ❖ Utilizing HEC-RAS 2-D for Preliminary Cost Estimates
  - Steven Brown, PE, CFM, Hanson Professional Services, Inc.
- ❖ Floodproofing Solar Infrastructure - Risk Mitigation in the Face of Climate Change
  - Melissa Duyar, PE, CFM, Kimley-Horn and Associates, Inc.

**4C Young Professionals**

- ❖ What I wish I knew 3 years ago: Playing to your strengths as a new engineer
  - Sarah Wenzel, Prairie Engineers
- ❖ IAFSM Young Professionals Panel (1 hour session) (Live Panel)
  - Adam Blumstein, PE, CFM, ENV SP, Burns & McDonnell
  - Lorena Reyes, FEMA
  - John Watson, MWRD
  - Michal Tutka, SCST LLC
  - Chris Hanstad, ISWS
  - Dallas Alley, Village of Swansea

**4D Special Topics 2**

- ❖ Nutrient Retention in Ecologically Functional Floodplains: A Review
  - Olivia Dorothy, CFM, American Rivers
- ❖ Anticipating and Adapting to Riverine Flooding at a Construction Site
  - Joel Conzelmann, EIT, Geosyntec Consultants
  - Neil Couch, PG, Geosyntec Consultants
  - Rick Skowron, Geosyntec Consultants

- Using Customized GIS Maps with Hydraulic Features for Your Community
- ❖ Using Customized GIS Maps with Hydraulic Features for Your Community
  - Jenny Loewenstein, PE, CFM, CPESC, DECI
  - Molly Garrow, PE, CFM
  - Mike Maslowski, PE, CFM

12:00 pm

Lunch

- Awards Luncheon

1:30 pm

**Concurrent Session 5**

**5A Mitigation**

- ❖ OWR mitigation program
  - Ron Davis, CFM, IDNR/OWR
- ❖ Village of Shorewood, Loss Avoidance Study: 24 years and 17 floods later
  - Lisa Graff GISP, CFM, Prairie Research Institute – Illinois State Water Survey
  - Rebecca Leitschuh, AICP, Prairie Research Institute – Illinois State Water Survey
- ❖ Update of Silver Jackets Floodprone Structure Inventories and the SAFR Web Mapping Application
  - Terra McParland, PE, IDNR/OWR
  - Lisa Graff, GISP, CFM, Illinois State Water Survey

**5B Urban Flooding**

- ❖ Elk Grove Village's Rear Yard Drainage Program
  - Corey Van Dyk, PE, CFM, Baxter & Woodman, Inc.
- ❖ Bulletin 75 impacts on O'Hare Designs
  - Jeff Julkowski, PE, CFM, Christopher B. Burke Engineering, Ltd.
  - Carolina Martinez-Gutierrez, Chicago Department of Aviation-Design & GIS
- ❖ Caught Between a Lake and a Hard Place: Solutions to Preventing Erosion on Lake Michigan's Shoreline
  - Charlotte Carlton, SmithGroup
  - Kathryn Ganas, SmithGroup
  - Sarah White, Chicago Park District
  - Stefanie Levine, PLA, City of Evanston

**5C Planning**

- ❖ Illinois State Water Plan
  - Loren Wobig, PE, CFM, Office of Water Resources
  - Wes Cattoor, PE, CFM, IDNR/OWR
- ❖ Naperville Flood Warning Booklets
  - Christopher C. Vonnahme, PE, CFM, DuPage County Stormwater Management Department
- ❖ Watershed-based Planning: A stakeholder driven process for improving and protecting the health of watersheds
  - Kelsey Pudlock, Chicago Metropolitan Agency for Planning
  - Holly Hudson, Chicago Metropolitan Agency for Planning

3:00 pm

Break

3:15 – 4:45pm ASFPM Foundation Urban Flooding Listening Session

# 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](mailto: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](http://www.illinoisfloods.org)