

MADISON COUNTY MS4 CO-PERMITTEE GROUP NEWSLETTER

SUMMER 2021



UPCOMING EVENTS

**HOUSEHOLD WASTE
COLLECTIONS:**
PERMANENT SITE
COMING SOON

**ELECTRONICS
RECYCLING
COLLECTIONS:**
CJD E-CYCLING
5257 IL ROUTE 157,
EDWARDSVILLE
SEPT. 11 & OCT. 9

TIRE COLLECTION:
EVENT TBD DURING
FALL 2021

PAST EVENTS AND NOTABLES

**MISSISSIPPI RIVER
PLASTIC
POLLUTION
COMPETITION:**
1ST - HAMEL ELEM.
2ND - HIGHLAND H.S.
3RD - WOODLAND ELEM.

**LITTER CLEAN UP
KITS:**
SINCE MARCH 2021
1,234 CLEAN UP KITS
DISTRIBUTED IN
MADISON COUNTY

GREEN SCHOOLS PROGRAM:

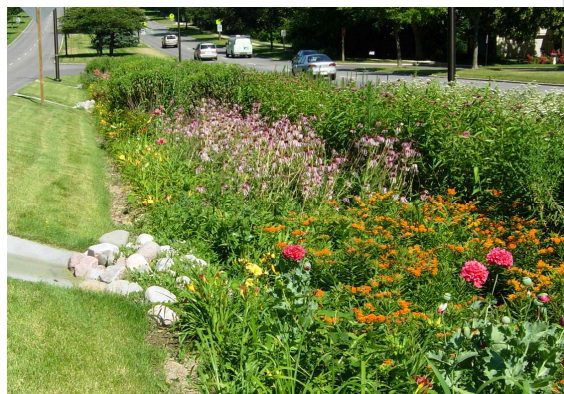
30TH ANNIVERSARY

13 GREEN SEED
GRANTS AWARDED
TOTALING \$222,775

GREEN INFRASTRUCTURE BMPs

What is Green Infrastructure?

Green infrastructure is a cost-effective, resilient approach to managing wet weather impacts that provides many community benefits. While single-purpose gray stormwater infrastructure—conventional piped drainage and water treatment systems—are designed to move urban stormwater away from the built environment, green infrastructure reduces and treats stormwater at its source while delivering environmental, social, and economic benefits.



Stormwater runoff is a major cause of water pollution in urban areas. When rain falls on our roofs, streets, and parking lots in cities and their suburbs, the water cannot soak into the ground as it should. Stormwater drains through gutters, storm sewers, and other engineered collection systems and is discharged into nearby water bodies. The stormwater runoff carries trash, bacteria, heavy metals, and other pollutants from the urban landscape. Higher flows resulting from heavy rains also can cause erosion and flooding in urban streams, damaging habitat, property, and infrastructure.

When rain falls in natural, undeveloped areas, the water is absorbed and filtered by soil and plants. Stormwater runoff is cleaner and less of a problem. Green infrastructure uses vegetation, soils, and other elements and practices to restore some of the natural processes required to manage water and create healthier urban environments. At the city or county scale, green infrastructure is a patchwork of natural areas that provides habitat, flood protection, cleaner air, and cleaner water. At the neighborhood or site scale, stormwater management systems that mimic nature soak up and store water.

Green infrastructure elements that can be woven into a community, from small-scale elements integrated into individual sites to larger scale elements spanning entire watersheds include:

- Downspout Disconnection
- Rainwater Harvesting
- Rain Gardens
- Planter Boxes
- Bioswales
- Permeable Pavements
- Green Streets and Alleys
- Green Parking
- Green Roofs
- Urban Tree Canopy
- Land Conservation

More information on these Green Infrastructure elements can be found on EPA's Website: [What is Green Infrastructure?](#) | [Green Infrastructure](#) | [US EPA](#)

CO-PERMITTEE GROUP LEADERSHIP

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SPOTLIGHT SEGMENT

319 Grants Now Available!

The 319 Grant Program is made available by the federal government to help landowners pay for projects that will reduce pollution going into streams and rivers. Program participants can include personal landowners, businesses, local governments and non-profits.

These participants will be reimbursed for 50% of their construction costs after project completion. Potential projects include things like: Grassed waterways, Rain gardens, Bioswales (pictured), Urban tree planting (pictured), Sediment control basins, Ponds, Wetland restoration, Streambank stabilization and Porous pavement.



For more information about the 319 Grant Program Contact:
Tyler Burk with Heartlands Conservancy at: 618-566-4451 ext. 25 or by email at:
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Quarterly Meeting Review

A featured topic during the June Quarterly Meeting was ILR 40 Permit Changes and information regarding the MS4 Program's Notice of Intent (NOI). The upcoming due date for submittal of the NOI is July 31, 2021 for the Co-Permittees. Engineering Consultant, Gonzalez Companies, LLC in cooperation with Madison County will be preparing, updating, and submitting the NOI for the group.

Also presented at the meeting was the concept of "dry weather screen". Dry weather screen is a method of storm water inspection for Illicit Discharge Detection & Elimination. Despite the name of the storm water inspection, this inspection still involves taking water samples; However, the methodology of dry weather sampling focuses the inspection of storm water outfalls during

periods when storms have not produced significant runoff for at least 72 hrs.

One of the benefits of dry weather screening is that this type of inspection can identify pollutants that may not be as visible during rain events due to the pollutants getting washed down stream.

Next Meeting September 8, 2021

