



Illinois Environmental Protection Agency

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

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

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

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

Report Period: From March, 2022 To March, 2023

Permit No. ILR40 0135

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

Name: STOOKEY TOWNSHIP Mailing Address 1: 313 EILER ROAD
Mailing Address 2: _____ County: St. Clair
City: BELLEVILLE State: IL Zip: 62223 Telephone: 618-520-6787
Contact Person: BRIAN REED Email Address: commissioner@stookey.org
(Person responsible for Annual Report)

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

ILLINOIS DEPARTMENT OF TRANSPORTATION ST. CLAIR COUNTY

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

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

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

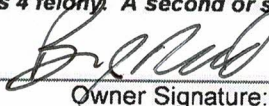
C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

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



Owner Signature:

BRIAN REED

Printed Name:

5/22/23

Date:

HIGHWAY COMMISSIONER

Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

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

ADMINISTRATIVE REVISIONS TO THE NOTICE OF INTENT

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

MS4 Operator Mailing Address: Yes ☐ No ☒

Persons Responsible: Yes ☐ No ☒

Name: _____

Title: _____

Telephone Number: _____

Area of Responsibility: _____

Introduction

In 2003, St. Clair 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, operation procedures, and maintenance activities.

Best Management Practice (BMP) Summary of 2022-2023 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 in the second MS4 permit. In 2013, a new NOI was submitted for the next 5-year cycle and was in place starting in March 2014. As stated in the 2003, 2008, 2009, and 2013 NOIs, 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 2022-February 2023:

- 1) **A.1-** Stormwater brochures for businesses, homeowners, children, and green infrastructures were to be promoted and displayed by each community in a public place.
- 2) **A.4-** St. Clair County sponsored a booth at the County Fair and/or Earth Day and distributed the storm water and green infrastructure brochures.
- 3) **A.5-** St. Clair County posted newsletters on the County Health Department website during school months. Co-Permittee Members distributed educational materials to schools in their communities. The amount of material distributed was to be tracked by the communities.
- 4) **B.3-** The Co-Permittee Group met four (4) times to review upcoming permit requirements, notice of intent, review stormwater management program, operations training, and to develop and submit the Annual Report.
- 5) **B.5-** Co-Permittee Members solicited and encouraged public assistance in monitoring the community's stormwater system. Public inquiries and complaints were responded to and recorded.
- 6) **B.6-** St. Clair County continued to promote programs related to stormwater activities and recycling programs. The community tracked its participation.

- 7) **B.7-** Co-Permittee Members will provide a public meeting annually for public input.
- 8) **C.1-** Co-Permittee Members updated any new or revised storm sewers and performed stream observations at bridge inspections.
- 9) **C.5-** A survey of previously installed stencils was to be performed as well as replacing or placing any that needed inlet stencils.
- 10) **C.6-** Communication brochures were distributed to the community. Co-Permittee Members discussed any known illicit discharge ordinance compliance issues.
- 11) **C.9-** Co-Permittee Members developed brochures addressing specific stormwater ordinance prohibited activities and distributed with educational brochures.
- 12) **D.1-** Require SWPPP on site plans disturbing more than one acre.
- 13) **D.2-** The Co-Permittee will hold a BMP Training class.
- 14) **D.5-** St. Clair County Continued to Maintain a stormwater hotline number to address public concerns related to stormwater issues. County tracked and reported the number of calls.
- 15) **E.2-** Enforce Stormwater Ordinance and track changes made to the ordinance.
- 16) **E.4-** Require and review SWPPPs on site plans disturbing more than 1-acre of land.
- 17) **F.1-** the Co-Permittee will hold an Operations Training class focused on a review of the history of drainage systems, the Clean Water Act and NPDES permits, and the impacts of stormwater.
- 18) **F.6-** Communities reviewed operating procedures and BMPs and modified, if necessary.

The following pages highlight 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.

City of : Stookey Township

FOIA Officer for the reporting year:

Name: Frazier Garner

Title: Township Clerk

Telephone Number: 618-538-5018

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.	
Comment	YES	NO	If attached information, describe.	YES	NO	Activity	Schedule
BMP No. A.1 - Distributed Paper Materials- Informational Brochures							
Milestone For Reporting Year: Promote the availability of brochures to the residents.							
			The Township printed 60 brochures that were displayed at the Township Building. Educational topics include lawn and garden care and use of soaps, solvents, or detergents used outdoors. The St. Clair County storm water hotline number is included.		☒	The Township and County will continue to make educational brochures available to the public.	Ongoing through 2021-2026 permit year.
BMP No. A.4- Community Event- Sponsor Annual Booth at St. Clair County Earth Day Festival							
Milestone For Reporting Year: St. Clair County sponsored a booth at the Earth Day Festival.							
			There was no "Physical Attendance" Earth Day this year but the St. Clair County Health Department sent out information to the schools.		☒	St. Clair County is responsible for the booth and tracking the number of brochures handed out.	Ongoing through 2021-2026 permit year.
BMP No. A.5- Classroom Education Material							
Milestone For Reporting Year: County posts a newsletter on County Health Department website for students during the school months.							
			St. Clair County posted educational newsletters on the Health Department's website.		☒	The communities will inform local schools that the newsletters are available on the Health Department's website.	Ongoing through 2021-2026 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2022 through February 2023

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.	
Comment	YES	NO	If attached information, describe.	YES	NO	Activity	Schedule
BMP No. B.3- Stakeholder's Meeting- Coordinate Meetings and Annual Reports, Sponsor Various Programs							
Milestone For Reporting Year: Co-Permittee Group met four (4) times to complete training and to develop and submit the Annual Report.							
			Co-Permittee Meetings were held on March 8th, June 7th, September 6th, and December 6th, 2022. Annual reports were provided to communities in May 2022 and submitted to IEPA before June 1st, 2022. Meeting topics included: Annual Reporting, Data Collections, ILR40 Updates, Sediment & Erosion Control Training, Operations/Good Housekeeping Training, and Post-Construction Management Training.			See page 10 and Exhibits B.3-A to B.3-E for more information	The County will continue to meet with the Co-Permittee Group to share BMPs and training opportunities. The Co-Permittee Group has planned four compliance/training activities the next Program year.
	☒			☒			Ongoing through 2021-2026 permit year.
BMP No. B.5- Volunteer Monitoring- Solicit and Encourage Public Assistance in Monitoring the Community's Stormwater System & Stormwater Hotline							
Milestone For Reporting Year: Community will work to involve more public assistance in reporting stormwater issues.							
			The Township and County updated brochures and websites with County contact information for the reporting of stormwater issues. Any calls or emails are recorded and addressed.				The community will continue to respond to and record all public complaints of illicit discharge and/or dumping and stormwater issues.
	☒				☒		Ongoing through 2021-2026 permit year.
BMP No. B.6- Program Involvement- Participate in programs targeted at public awareness, including: Inlet Stenciling and Recycling							
Milestone for Reporting Year: St. Clair County continued to promote programs related to stormwater activities. Communities tracked participation.							
			The Township and County will continue to promote programs related to stormwater activities and recycling. Multiple media outlets will be used to communicate with municipalities.			See page 10 and Exhibit B.6-A for more information	The Township and County will continue to promote programs related to stormwater activities. Multiple media outlets will be used to communicate with municipalities.
	☒			☒			Ongoing through 2021-2026 permit year.

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2022 through February 2023

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.	
Comment	YES	NO	If attached information, describe.	YES	NO	Activity	Schedule
BMP No. B.7- Other Public Involvement - The community will provide a public meeting annually for public input regarding the MS4 Program							
Milestone for Reporting Year: The communities will provide a public meeting annually for the MS4 program.							
	☒	☐	The Township holds monthly Board Meetings and attends HOA meetings addressing stormwater issues and answering public questions. The County held a Public Meeting 1/30/23 open to all County residents to provide input regarding the MS4 Program.	See page 10 and Exhibit B.7-A for more information	☒	Community will continue to hold a public meeting to solicit public input regarding the adequacy of the MS4 program.	Ongoing through 2021-2026 permit year.
BMP No. C.1- Storm Sewer Map Preparation							
Milestone for Reporting Year: County currently has 100% of outfall locations and names of receiving waters mapped for the Co-Permittee community.							
	☒	☐	Co-Permittee communities reviewed their outfall maps for completeness and updated them if necessary. The Township currently has 100% of outfall locations, stormwater systems, and receiving waters mapped. The Township's storm sewer system map was last updated 2017.		☒	Communities will begin/continue to update their storm system maps to include modifications to the system.	Ongoing through 2021-2026 permit year.
BMPs No. C.5- Inlet Stenciling							
Milestone for Reporting Year: Survey condition of inlet stencils.							
	☒	☐	The Township is assessing the condition of the stencils and determining what needs to be done. This is a work in progress as time and funds allow.	See page 10 - Review of Illicit Source Removal Procedures	☒	Communities will survey samples of stencils previously installed, replace ones that need to be replaced, and assure all new inlets are installed with stencils.	Ongoing through 2021-2026 permit year.
BMP No. C.6- Program Evaluation and Assessment							
Milestone for Reporting Year: Perform illicit discharge detection and elimination in the Community's stormwater system.							
	☒	☐	Communities will perform stream observations during their annual bridge inspections or quarterly stormwater sampling and take appropriate action if any illicit discharge is found.		☒	Communities will continue to perform stream observations and address illicit discharge per the community ordinance.	Ongoing through 2021-2026 permit year.

COMMUNITY NAME:

PERMIT #:

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2022 through February 2023

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached?		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.	
Comment	YES	NO	If attached information, describe.	YES	NO	Activity	Schedule
BMP No. C.9- Public Notification							
Milestone for Reporting Year: Community will update ordinance brochure.							
			Brochures will be updated (if needed) to address specific storm water ordinance prohibited activities and distributed with brochures addressed in BMP No. A.1.			Ordinance brochures will be updated and distributed as needed.	Ongoing through 2021-2026 permit year.
	✓				✓		
BMP No. D.1- Regulatory Control Program							
Milestone for Reporting Year: Require SWPPP on all site plans disturbing more than one acre of land inside the Community.							
			The County and Township require SWPPP on sites disturbing over 1-acre and enforces ordinance provisions.			The community will continue to require SWPPP on sites disturbing over 1-acre and verify the proper use of sediment and erosion control techniques.	Ongoing through 2021-2026 permit year.
	✓				✓		
BMPs No. D.2- Erosion and Sediment Control BMPs							
Milestone for Reporting Year: Community will participate in BMP training during Annual Operations Training.							
			BMP training was provided during the Annual Operations Training on September 6, 2022.			Community will continue to participate in BMP Training	Ongoing through 2021-2026 permit year.
	✓			✓			
BMP No. D.5- Stormwater Hotline							
Milestone for Reporting Year: County continued to maintain a stormwater hotline number to address public concerns related to stormwater issues.							
			St. Clair County maintained the hotline number during the reporting period. Communities respond to complaints from residents regarding stormwater related issues.			County and Communities will respond to calls and emails related to stormwater issues.	Ongoing through 2021-2026 permit year.
	✓				✓		

IEPA Annual Report for Stormwater Discharges from MS4 Communities- Period: March 2022 through February 2023

A. Changes to Best Management- Were there any changes to the BMPs?		B. The status of compliance with the permit, the appropriateness of the BMP and progress towards achieving reduction of discharged pollutants to the MEP, and identified measurable goals for each of the minimum control measures.		C. Provide results of information collected and analyzed, including monitoring data. Information attached? If attached information, describe.		D. Summarize the stormwater activities you plan to undertake with an implementation schedule.	
Comment	YES	NO		YES	NO	Activity	Schedule
BMP No. E.2- Regulatory Control Program							
Milestone for Reporting Year: Enforce County's Stormwater Ordinance.							
			N/A for Township			Communities will continue to enforce their stormwater ordinance.	Ongoing through 2021-2026 permit year.
		✓			✓		
BMP No. E.4- Pre-Construction Review of BMP Designs							
Milestone for Reporting Year: Require a Stormwater Prevention Plan (SWPPP) on all site plans disturbing more than one acre of land and review post construction.							
			The County requires and reviews SWPPs on site plans disturbing more than 1-acre of land.			Communities will review the post construction BMPs on all sites that disturb more than 1-acre of land.	Ongoing through 2021-2026 permit year.
		✓	Post Construction Management Training was covered during the December 6, 2022 Quarterly Meeting.	✓			
BMPs No. F.1- Employee Training							
Milestone for Reporting Year: Community will participate in an annual Operations Training for employees whose job impacts stormwater runoff.							
			Operations Training was covered during the September 6, 2022 Quarterly Meeting.			The Co-Permittee Group will continue to review Operations Training at one meeting per program year.	Ongoing through 2021-2026 permit year.
		✓			✓		
BMP No. F.6- Other Municipal Operations Controls - Standard Operating Procedures							
Milestone for Reporting Year: Communities reviewed operating procedures and BMPs and modified if necessary.							
			Municipal Operations Procedures were last reviewed November, 2022. No changes were needed.			Communities will continue to enforce their stormwater ordinance.	Ongoing through 2021-2026 permit year.
		✓			✓		

ADDITIONAL INFORMATION

BMP A.5	Classroom Educational Materials St. Clair County posted educational newsletters on the Health Department's website. See attached Exhibit A.5-A for more information.
BMP B.3	Stakeholder's Meeting - Coordinate Meetings and Annual Reports, Sponsor Various Programs The St. Clair County MS4 Co-Permittee Group held four quarterly training meetings during the 2022-2023 permit year. Topics covered included: Annual Reporting, Data Collections, ILR40 Updates, Sediment & Erosion Control Training, Operations/Good Housekeeping Training, and Post-Construction Management Training. Members were issued Certificates of Attendance and Training Completion. See attached Exhibit B.3-A to Exhibit B.3-C for additional details.
BMP B.6	Program Involvement-Participate in programs targeted at public awareness, including Inlet Stenciling and Recycling Stookey Township and St. Clair County continued to promote programs and public awareness related to stormwater activities and recycling. See attached Exhibit B.6-A for additional details.
BMP B.7	Other Public Involvement - The community will provide a public meeting annually for public input regarding the MS4 Program Stookey Township holds monthly Board Meetings and attends HOA meetings addressing stormwater issues and answering public questions and St. Clair County held a Public Meeting to invite public input regarding the adequacy of the MS4 Program on January 30, 2023. No comments were received. The Township and County also distributed educational information. See attached Exhibit B.7-A for additional details.
BMP C.5	Inlet Stenciling - Illicit Source Removal Procedures St. Clair County Highway Department sponsors an Adopt-a-Highway Program throughout the County. By sponsoring this program, St. Clair County is eliminating a significant source of stormwater pollution by keeping trash out of streams and keeping road ditches clear of debris from storm events
BMP D.2	Erosion and Sediment Control BMPs St. Clair County will provide annual BMP training at (1) Quarterly Meeting. See attached Exhibit D.2-A for more details.
BMP E.4	Pre-Construction Review of BMP Designs St. Clair County requires and reviews SWPPs on site plans disturbing more than 1-acre of land. Post Construction Management Training was covered during the December 6, 2022 Quarterly Meeting. See Exhibit E.4-A for more details.

Additional Community Activities

(Make additional copies of form, if necessary)

List any additional community-sponsored activities performed between March 1, 2022 and February 28, 2023 not listed in the *Notice of Intent* (NOI) submittal, but which address one of the six minimum control measures:

The Township cleaned Prairie Dupont and Hickman Creeks removing approximately 80 pounds of trash, several tires, and an undisclosed amount of tree limbs.

The Township performed 10 plus miles of grading on ditches along North Stookey msc roads, Briarwood, Townhall, Dorchester, Egret, Bethesda, Powder Creek, Powder Mill, Country Club, Warrensburg, Concordia, Villa Hills, and many more. Additionally, the Township also removed an undisclosed amount of trash, 2 single axle truck loads of tires, 5 truck loads of limbs, and other items such as carpeting, toilets, electronics, mattresses, cabinets, etc. Straw mats and riprap were the erosion control BMPs used.

The Township used a 40-cubic-yard dumpster that was emptied three times per year. The Street Department dumpster was used for trash retrieved from road ditches and waterways.

The Township made efforts to sweep roadways but had 10 equipment breakdowns.

The Township planted 25 trees and bushes October, 2022 in Stookey Park.

The Township participates in the St. Clair County Christmas Tree Recycling Program.

Quarterly Visual Assessments at:

Prairie Dupont Creek @ Villa Drive Bridge
Hickman Creek @ Zing and Seeger Road Intersection

1st Quarter Sample Date: 3/07/2022
2nd Quarter Sample Date: 5/06/2022
3rd Quarter Sample Date: 7/27/2022
4th Quarter Sample Date: 10/26/2022

See Exhibit: Additional Community Activities-A for reports

St. Clair County Groups and Organizations - See Exhibit: Additional Community Activities-B for details

Circle which minimum control measure is addressed:

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

C. Reliance on Government Entities for Permit Obligations

Co-Permittee cooperation with the County

CI. List of Construction Projects during 2022-2023 Reporting Year

<u>Permit #</u>	<u>Project</u>	<u>Status</u>
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No new records on file

Education Materials for Schools

SCHOOLS



CLIMATE LITERACY

- Use an [Advocacy Packet](#) to start advocating for sustainable initiatives in your community.
- [Sign the letter](#) to demand climate education from our global leaders.
- [Explore our toolkits](#) to learn about environmental issues and take action!

FOOD & ENVIRONMENT

- Host a book club on [plant-based eating and climate change](#).
- Implement composting program and meatless Mondays in school cafeteria.
- Start a school garden to grow fresh veggies for a local food kitchen.
- Offer plant-based options at school events like sporting events.



GLOBAL EARTH CHALLENGE

- Download the [Global Earth Challenge app](#) and collect data about air quality, plastic pollution, insects, and food in your community.
- Use the [air quality](#), [plastic pollution](#) and [insect](#) lesson plans for fun activities to do from home!

PLASTIC POLLUTION

- Host a plastic repurposing workshop.
- [Host a cleanup event](#).
- Invite local [speakers to a Teach-In](#).
- Collect difficult to recycle items (markers, glue containers, etc) to send off to be disposed of responsibly.
- Replace single use plastic items like cutlery and waterbottles.



ARTISTS FOR THE EARTH

- Repurpose unused lockers as space for eco-art installations.
- Paint a mural in the hallway, cafeteria or outside wall.
- Host a recycled material craft event.
- Host an Earth Day poster, essay or poetry contest.

BIODIVERSITY

- Plant a [pollinator garden](#) or designate no-mow zones on school grounds.
- Invite a local beekeeper to come [speak at a Teach-In](#).
- Host birdhouse or insect hotel building for your school.
- Watch species related films or documentaries and host a discussion.
- Host a fundraiser to plant trees with the [Canopy Project](#).



WHEN IT RAINS, IT DRAINS IT ALL HAS TO GO SOMEWHERE

Water from inside our homes goes to a wastewater facility for purification. But water from roofs, streets, and outdoor spigots goes untreated directly into storm drains - straight to our waterways - picking up all kinds of contaminants along the way!

DID YOU KNOW

Excess nutrients, specifically nitrogen and phosphorus, pollute stormwater run-off from urban areas, contributing to **the third greatest cause of lake deterioration** in the US.

DID YOU KNOW

The amount of phosphorus in grass clippings from mowing your lawn just once can produce up to **100 pounds** of unwanted algae if it ends up in our lakes and ponds.

DID YOU KNOW

Leaf "litter" and landscape trash account for **56%** of phosphorus in urban stormwater, not to mention clogging storm drains, causing potential flooding and increasing debris in our waterways.

DID YOU KNOW

Just one pound of fertilizer over-application on the average lawn can equate to **34.2 pounds** of excess algae growth in streams and lakes.

DID YOU KNOW

When you wash your car in the driveway, you're washing about **120 gallons** of grime-filled water downstream. The soap, together with the dirt, grease, and grime flows untreated into nearby storm drains that run into lakes and streams.

DID YOU KNOW

If dog owners don't clean up after their pooches, **390 million pounds** of poop can wash into our waterways every year in just Colorado! Dog waste contains 10% phosphates and 2% nitrates, contributing to algae growth.

WHY IT MATTERS



Too many nutrients in streams and lakes cause rapid growth of algae.

Algae looks bad, smells bad, degrades water quality and can be harmful to your health.

As algae decays, it uses up oxygen in the water, leading to a decline in our drinking water quality - making it more expensive to treat.



WHAT YOU CAN DO

Dispose Properly



- Compost or bag your leaves and lawn clippings
- Don't blow leaves or lawn clippings into the street
- Sweep up any spills or overspray of fertilizers on sidewalks or streets

Fertilize Efficiently



- Always follow the manufacturer's application recommendations. More isn't better!
- Fertilizing in early fall promotes healthy root systems - leading to stronger, more resilient lawns and plants

Be Car Smart



- Use a commercial car wash where water is recycled and sent to treatment facilities
- Wash your car on the lawn or gravel
- Dump your soapy bucket in the sink

Pick It Up & Pitch It



- Clean up dog waste and dispose of it properly
- Pet waste bags are available in most city parks

For Businesses



- Do your part at work to prevent stormwater pollution
- Perform necessary maintenance to ensure stormwater ponds and drainage control structures stay clear of litter and excessive sediment buildup
- Properly dispose of chemicals and grease

For Contractors



- Special stormwater permits are required for most construction sites
- See CityofMontrose.org/Stormwater for additional details
- Report excessive dust or mud trackout from construction sites

Illegal Dumping



- Do not dump chemicals or other waste materials into storm drains — it's illegal
- If you see it, report it

Reporting



- Public Works 970.240.1480
- After Hours 970.249.9110
- CityofMontrose.org/Stormwater



Stormwater Hotline
(618) 825-2690

For more information

St. Clair County Board Office

or

St. Clair County Planning and Zoning Department
10 Public Square
Belleville, IL, 62220
(618) 277-6600

St. Clair County Health Department
Pollution Prevention Program
19 Public Square, Suite 150
Belleville, IL 62220
(618) 233-7769



www.epa.gov

ST. CLAIR **COUNTY'S** **STORMWATER** **GUIDE FOR KIDS**



TAKE A DIP!

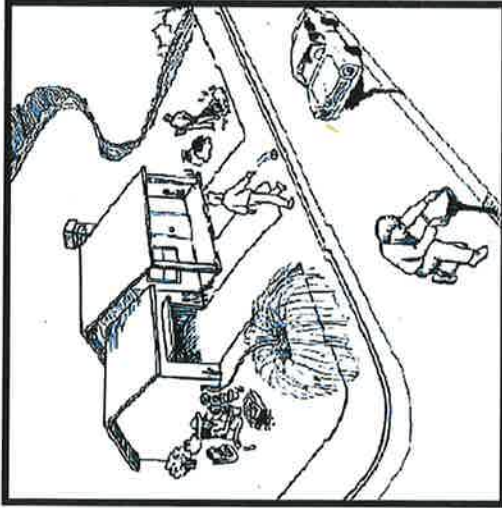


STORMWATER POLLUTANTS FIND THEIR WAY INTO WHERE WE FISH, WHAT WE DRINK AND WHERE WE SWIM.

Everything that goes into our storm drains—grass clippings, soap, pesticides, pet waste, whatever—makes its way straight to our streams. Stormwater pollution is our biggest source of water pollution. It all adds up. It all comes back. And you're the solution, now that you know where it goes.



What's wrong with this picture?



The people are taking care of their home and car, but they are doing many things that can damage the environment, especially our water.

Answers:

1. Car is leaking oil & antifreeze into the street
2. Sprinkler is watering the sidewalk.
3. Man is littering.
4. Raking leaves into plastic bags—use compost.
5. Pouring oil down sewer

Go to <http://www.epa.gov/OWOW/NPS/kids/whatwrng.htm>

Click on the spots where you think someone is doing something wrong for an explanation and how we can do to protect our environment.

Stormwater Tips

- ⇨ Sweep driveways instead of hosing
- ⇨ Place trash in closed containers and pick up litter from others
- ⇨ Don't pour anything into the street or storm drain. It ends up in your rivers and streams
- ⇨ Pick up after your pet when you walk them

"Please don't **soil** our waters!"



It's no fish story: soil erosion is our #1 water pollutant.

What's wrong with soil? It clogs waterways, hurts fishes' gills, and carries a lot of oil and other chemicals that contaminate the water and lead to sunny green lakes.



EXHIBIT B.3-A

St. Clair County
2022 Quarterly Meeting Notices

St. Clair County MS4 Group

Quarterly Meeting Notice

March 8, 2022
9:00 – 11:00 a.m.
Klucker Hall – Top Floor



Located in: Shiloh Community Park
14 Park Drive
Shiloh, IL 62269

Our presentation will be on Annual Reports, Data Collection & ILr40 Updates.

We look forward to seeing you!

Tony Schenk, P.E.

Jon Schaller, P.E.

Tammy Mezo, Administrative Assistant

St. Clair County MS4 Group

Quarterly Meeting Notice

**June 7, 2022
9:00 – 11:00 a.m.
Klucker Hall – Top Floor**



**Located in: Shiloh Community Park
14 Park Drive
Shiloh, IL 62269**

**Our presentation will be on Erosion and Sediment Control.
We look forward to seeing you!**

Tony Schenk, P.E.

Jon Schaller, P.E.

Tammy Mezo, Administrative Assistant

St. Clair County MS4 Group

Quarterly Meeting Notice

**September 6, 2022
9:00 – 11:00 a.m.
Klucker Hall – Top Floor**



**Located in: Shiloh Community Park
14 Park Drive
Shiloh, IL 62269**

- ☐ Our presentation will be on Operations and Maintenance Training/BMP's and Good Housekeeping.

We look forward to seeing you!

Tony Schenk, P.E.

Jon Schaller, P.E.

Tammy Mezo, Administrative Assistant

St. Clair County MS4 Group

Quarterly Meeting Notice

December 6, 2022

9:00 – 11:00 a.m.

Community Center



Located in: Shiloh Community Park
14 Park Drive
Shiloh, IL 62269

We look forward to seeing you!

Tony Schenk, P.E.

Jon Schaller, P.E.

Tammy Mezo, Administrative Assistant

St. Clair County
2022 Quarterly Meeting Agendas

**St. Clair County MS4 Co-Permittee Group
Quarterly Meeting Agenda
March 8, 2022**

Introductions

- ☐ Gonzalez Companies, LLC
 - Tony Schenk (tschenk@gocos.net) / (618) 222-2221 ext. 101
 - Jon Schaller (jschaller@gocos.net) / (618) 222-2221 ext. 119
 - Tammy Mezo (tmezo@gocos.net) / (618) 222-2221 ext. 118
- ☐ Co-Permittee Group Representatives

Open Discussion

- ☐ Previous MS4 Experience, Processes and Suggestions for Improvement
- ☐ Outlook on Timeline for MS4 Group
 - Processing Invoices and Contract Documents
 - Data Collection Forms
 - Annual Reports
 - Submission of NOI's (if not done so already)
 - Quarterly Meetings – First Tuesday of Each Quarter
 - March 8th - Annual Reports, Data Collection and ILR40 Updates
 - June 7th – Storm Water Sampling and Additional Permit Requirements
 - September 6th – Operations and Maintenance Training/BMP's and Good Housekeeping
 - December 6th – Sediment and Erosion Control BMP's

Data Collection for Annual Report

- ☐ Review of Data Collection Forms
 - IV.B.2 – Public Involvement/Participation - Annual Public Meeting
 - IV.B.3 - IDDE – Dry Weather Sampling
 - V. Monitoring, Record Keeping and Reporting – Quarterly Outfall Monitoring and Inspection

ILR 40 Permit Updates

- ☐ Public Education and Outreach
- ☐ Public Involvement and Par
- ☐ Illicit Discharge Detection and Elimination (IDDE)
- ☐ Construction Site Runoff Control
- ☐ Post-Construction Management
- ☐ Good Housekeeping

Next Meeting: June 7, 2022 at 9:00 a.m.

**St. Clair County MS4 Co-Permittee Group
Quarterly Meeting Agenda
June 7, 2022**

Introductions

- ☐ Gonzalez Companies, LLC
 - Tony Schenk (tschenk@gocos.net) / (618) 222-2221 ext. 101
 - Jon Schaller (jschaller@gocos.net) / (618) 222-2221 ext. 119
 - Tammy Mezo (tmezo@gocos.net) / (618) 222-2221 ext. 118
- ☐ Co-Permittee Group Representatives – New Members

Open Discussion

- ☐ Updated Contact Information for Members
- ☐ Submission of NOI's for Change in Operator
- ☐ Wayne Caughman – IEPA

Past Events

- ☐ March 8th Quarterly Meeting
 - Annual Report, Data Collection, ILR40 Updates & Storm Water Sampling
- ☐ Data Collection Forms and Annual Reports – Lessons Learned?

Permit Requirements

- ☐ Public Education and Outreach - Brochures and Events
- ☐ Public Involvement and Participation – Public Meeting
- ☐ Illicit Discharge Detection and Elimination (IDDE) – Stormwater Sampling
- ☐ Construction Site Runoff Control – Annual Training (June 7 - Today!)
- ☐ Post-Construction Management – Annual Training (December 6)
- ☐ Good Housekeeping – Annual Training (September 6)

Sediment and Erosion Control BMP's

- ☐ Presentation and Resources

Upcoming – Next Meeting September 6th – 9:00 a.m.

- ☐ September 6th – Operations and Maintenance Training/BMP's and Good Housekeeping
- ☐ December 6th – Post Construction Management

**St. Clair County MS4 Co-Permittee Group
Quarterly Meeting Agenda
September 6, 2022**

Introductions

- ☐ Gonzalez Companies, LLC
 - Tony Schenk (tschenk@gocos.net) / (618) 222-2221 ext. 101
 - Jon Schaller (jschaller@gocos.net) / (618) 222-2221 ext. 119
 - Tammy Mezo (tmezo@gocos.net) / (618) 222-2221 ext. 118
- ☐ Co-Permittee Group Representatives – First Meeting

Open Discussion

- ☐ Updated Contact Information for Members
- ☐ Submission of NOI's for Change in Operator
- ☐ Outstanding Annual Reports
- ☐ Upcoming IEPA Audits – Swansea, Lebanon, ??

Past Events

- ☐ June 7th Quarterly Meeting
 - Permit Requirement Reminders
 - Sediment and Erosion Control
 - ☐ Construction Site Runoff
 - ☐ Notice of Intent
 - ☐ Flood Management, Water Quality & Non-Point Source Pollution
- ☐ USEPA Inspections

Permit Requirements Reminders

- ☐ Public Education and Outreach - Brochures and Events
- ☐ Public Involvement and Participation – Public Meeting
- ☐ Illicit Discharge Detection and Elimination (IDDE) – Stormwater Sampling
- ☐ Construction Site Runoff Control – Annual Training (June 7)
- ☐ Post-Construction Management – Annual Training (December 6)
- ☐ Good Housekeeping – Annual Training (September 6 – Today!)

Operations and Maintenance / Good Housekeeping Presentation

- ☐ Presentation and Resources

Upcoming – Next Meeting Tuesday December 6th – 9:00 a.m.

- ☐ December 6th – Post Construction Management
- ☐ March 2023 – Program Year in Review / Annual Reports

**St. Clair County MS4 Co-Permittee Group
Quarterly Meeting Agenda
December 6, 2022**

Introductions

- ☐ Gonzalez Companies, LLC
 - Tony Schenk (tschenk@gocos.net) / (618) 222-2221 ext. 101
 - Jon Schaller (jschaller@gocos.net) / (618) 222-2221 ext. 119
 - Tammy Mezo (tmezo@gocos.net) / (618) 222-2221 ext. 118
- ☐ Co-Permittee Group Representatives – First Meeting

Open Discussion

- ☐ Updated Contact Information for Members
- ☐ Submission of NOI's for Change in Operator
- ☐ Outstanding Annual Reports
- ☐ IEPA / USEPA Audits

Past Events

- ☐ September 6th Quarterly Meeting
 - Permit Requirement Reminders
 - Operation and Maintenance / Good Housekeeping
 - ☐ ILR40 Updates
 - ☐ Employee Training Videos and Other Resources
 - ☐ MS4 Audit Preparation
- ☐ USEPA Inspections

Permit Requirements Reminders

- ☐ Public Education and Outreach - Brochures and Events
- ☐ Public Involvement and Participation – Annual Public Meeting
- ☐ Illicit Discharge Detection and Elimination (IDDE) – Quarterly Sampling
- ☐ Construction Site Runoff Control – Annual Training (June 7)
- ☐ Post-Construction Management – Annual Training (December 6 - Today)
- ☐ Good Housekeeping – Annual Training (September 6)

Green Infrastructure / Post-Construction Management Presentation

- ☐ Presentation and Resources

Upcoming – Next Meeting Tuesday March 7th – 9:00 a.m.

- ☐ January - March 2023 – Data Collection Forms & Contract Renewal Letters
- ☐ March 2023 – Program Year in Review / Data Collection & Annual Reports

St. Clair County
2022 Quarterly Meeting Sign-In Sheets



MEETING SIGN-IN SHEET

ST. CLAIR COUNTY MS4

MS4 QUARTERLY MEETING
MARCH 8, 2022

Name	Municipality	Email Confirmation	Data Collection Form Request	NOI Submittal
Sal Elkott	City of Belleville	selkott@belleville.net		
Tim Ahrens	City of Columbia	tahrens@columbiaillinois.com	Yes	Yes
Chris Volkman	City of Fairview Heights	volkman@cofh.org		Yes
Pae Tolliver Sr.	City of Fairview Heights	pae.tolliver@cofh.org		Yes
Mike Campbell	Village of Shiloh	mcampbell@shilohil.org	Yes	Yes
Chris Etling	Village of Shiloh	cetling@shilohil.org	Yes	Yes
David Miller	Village of Shiloh	dmiller@shilohil.org	Yes	Yes
Jon Nolan	City of O'Fallon	jnolan@ofallon.org		Yes
Mark Downs	O'Fallon Township	markdowns@ofallontownship.com		
Sue Gruberman	St. Clair Township	sue@stclairtownship.com	Yes	Yes
Robert Trentman	St. Clair Township	roads@stclairtownship.com	Yes	Yes
James Harms	St. Clair Co. Hwy Dept.	james.harms@co.st-clair.il.us	Yes	Yes



Norm Etling	St. Clair Co. Hwy Dept.	norm.etling@co.st-clair.il.us	Yes	Yes
Phillip J. Little	Village of Caseyville	plittle@caseyville.org	Yes	Yes
Brian Reed	Stookey Township	commissioner@stookey.org	Yes	Yes



MEETING SIGN-IN SHEET

ST. CLAIR COUNTY MS4

21-1034.000

MS4 QUARTERLY MEETING

JUNE 7, 2022

Name	Municipality	Email Confirmation	Data Collection Form Request	NOI Submittal
1 John Harty	Fairview Heights	harty@cofh.org		
2 Brian Reed	Stookey Township	commissioner@stookey.org		
3 Joe Iliff	Village of Swansea	jiliff@swanseail.org		
4 James Harms	St. Clair County	james.harms@co.st-clair.il.us		
5 Jon Nolan	City of O'Fallon	jnolan@ofallon.org		
6 Chris Etling	Village of Shiloh	cetling@shilohil.org		
7 Mike Campbell	Village of Shiloh	mcampbell@shilohil.org		
8 Wayne Caughman	IEPA	wayne.caughman@illinois.gov		
9 Chris Smith	City of Columbia	csmith@columbiaillinois.com		
10 Sue Gruberman	St. Clair Twp	sue@stclairtownship.com		
11 Norm Etling	St. Clair County	Norm.etling@co.st-clair.il.us		
12 Jason Poole	City of Belleville	jpoole@belleville.net		



Name	Municipality	Email Confirmation	Data Collection Form Request	NOI Submittal
13 Matt Hamilton	Village of Dupo	matth@villageofdupo.org		
14 Phillip J. Little	Village of Caseyville	plittle@caseyville.org		
15 Thomas Hill	City of Cahokia Heights	thill@cahokiaillinois.org		
16 Keith Nolden	City of Cahokia Heights	knolden@cahokiaillinois.org		
17 Mike Williams	Village of Sauget	villageofsauguet@sbcglobal.net		
18 Jody McNeese	City of Lebanon	jodymcneese@yahoo.com		
19 Mark Downs	O'Fallon Twp	markdowns@ofallontownship.com		
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MEETING SIGN-IN SHEET

ST. CLAIR COUNTY MS4
21-1034.000
MS4 QUARTERLY MEETING
SEPTEMBER 6, 2022

Name	Municipality	Title	Email Confirmation	Cell Phone #
1 Mike Campbell	Village of Shiloh	Code Enforcement		618-410-6739
2 Brian Reed	Stookey Township	Highway Commissioner		618-520-6787
3 Sue Gruberman	St. Clair Township	Accountant		
4 Bob Trentman	St. Clair Township	Road Commissioner		618-660-3639
5 Tim Ahrens	City of Columbia	Assistant City Engineer		618-781-6305
6 Matt Hamilton	Village of Dupo	Sewer Plant Operator		618-806-9453
7 Cody Terry	City of Lebanon	Superintendent of Streets	streets@lebanonil.org	618-980-7068
8 James Harms	St. Clair Co. Hwy Dept.			
9 Norm Etling	St. Clair Co. Hwy Dept.	County Engineer		
10 Chris Etling	Village of Shiloh	Director of Public Works		618-410-6737
11 Craig Maue	City of Belleville	Assistant Director of Public Works	cmaue@belleville.net	618-920-5834
12 Phillip J. Little	Village of Caseyville	Zoning Administrator		618-578-0426



Gonzalez Companies, LLC
Engineering – Construction Management

www.gonzalezcos.com

Name	Municipality	Title	Email Confirmation	Cell Phone #
13 Wayne Caughman	IEPA	Engineer		618-791-0105
14 Joe Iliff	Village of Swansea	Building & Zoning Director		417-655-7967
15 John Harty	City of Fairview Heights	Director of Public Works		618-791-4071
16 Mike Williams	Village of Sauget	Maintenance Dept.		618-779-0449
17 Jon Nolan	City of O'Fallon	Engineering Project Manager		618-971-8668
18 Sal Elkott	City of Belleville	City Engineer		
19 Tony Schenk	Gonzalez Companies			
20 Tammy Mezo	Gonzalez Companies			
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St. Louis, MO ~ Belleville, IL ~ Chicago, IL ~ O'Fallon, IL ~ Salem, IL ~ Louisville, KY



MEETING SIGN-IN SHEET

ST. CLAIR COUNTY MS4

21-1034.000

MS4 QUARTERLY MEETING

DECEMBER 6, 2022

Name	Municipality	Title	Email Confirmation	Cell Phone #
1 Candiac Pearson	City of East St. Louis	Public Works / Admin. Assistant	cpearson@cesl.us	618-541-3013
2 Chris Etling	Village of Shiloh	Director of Public Works	cetling@shilohil.org	618-410-6737
3 Mike Campbell	Village of Shiloh	Code Enforcement	mcampbell@shilohil.org	618-410-6739
4 James Harms	St. Clair County Hwy Dept.		james.harms@co.st-clair.il.us	
5 Norm Etling	St. Clair County Hwy Dept.	County Engineer	norm.etling@co.st-clair.il.us	
6 Craig Maue	City of Belleville	Assistant Director Public Works	cmaue@belleville.net	618-920-5834
7 Mike Williams	Village of Sauget	Supervisor Maintenance Dept.	villageofsauguet@sbcglobal.net	618-779-0449
8 Mark Downs	O'Fallon Township	Highway Commissioner	markdowns@ofallontownship.com	
9 Chris Smith	City of Columbia	City Engineer	csmith@columbiaillinois.com	
10 John Harty	City of Fairview Heights	Director of Public Works	harty@cofh.org	618-791-4071
11 Jon Nolan	City of O'Fallon	Project Manager	jnolan@ofallon.org	618-971-8668
12 Phillip J. Little	Village of Caseyville	Zoning Administrator	plittle@caseyville.org	618-578-0426



Gonzalez Companies, LLC
Engineering – Construction Management

www.gonzalezcos.com

Name	Municipality	Title	Email Confirmation	Cell Phone #
13 Joe Iliff	Village of Swansea	Building & Zoning Director	jiliff@swanseail.org	417-655-7967
14 Tim Ahrens	City of Columbia	Assistant City Engineer	tahrens@columbiaillinois.com	618-781-6305
15 Tom Hill	City of Cahokia Heights	Assistant Supervisor	thill@cahokiaillinois.org	
16 Keith Nolden	City of Cahokia Heights	Assistant Director	knolden@cahokiaillinois.org	
17 Wayne Caughman	IEPA			
18 Tony Schenk	Gonzalez Companies			
19 Jon Schaller	Gonzalez Companies			
20 Tammy Mezo	Gonzalez Companies			
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St. Clair County
2022 Quarterly Meeting
Attendance Certificates



Certificate of Attendance

Brian Reed, Stookey Township
Participated in:

MS4 training that included
“Annual Report Preparation and Permit Updates”

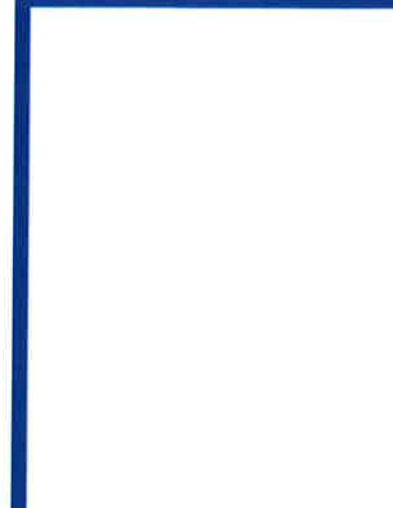
Presented by
Tony Schenk

1 PDH is awarded for participation

March 8, 2022



Tony Schenk
Project Manager
Gonzalez Companies, LLC



Certificate of Attendance

Brian Reed Participated in:

MS4 training that included
“Sediment and Erosion Control BMP's”

Presented by
Tony Schenk

1 PDH is awarded for participation

June 7, 2022



Tony Schenk
Project Manager
Gonzalez Companies, LLC



Certificate of Attendance

Brian Reed Participated in:

MS4 training that included
“Operations/Maintenance/Good Housekeeping”

Presented by
Tony Schenk

1 PDH is awarded for participation

September 6, 2022



Tony Schenk
Project Manager
Gonzalez Companies, LLC

St. Clair County
2022 Quarterly Meeting
Training Completion Certificates



Certificate of Completion

Brian Reed
Name

“Erosion and Sediment Control Best
Management Practices”

1 PDH is awarded for participation

June 7, 2022

Tony Schenk
Project Manager
Gonzalez Companies, LLC



Certificate of Completion

Brian Reed

Name

“Operations and Maintenance /
Good Housekeeping Practices”

1 PDH is awarded for participation

September 6, 2022

Tony Schenk
Project Manager
Gonzalez Companies, LLC

St. Clair County
Promoted Programs /
Public Awareness



ST. CLAIR COUNTY HEALTH DEPARTMENT

19 PUBLIC SQUARE, SUITE 150
BELLEVILLE, ILLINOIS 62220-1624
<https://www.co.st-clair.il.us>



MEMORANDUM

William R. Kreeb
President, Board of Health

Myla Blandford, MPH, REHS, LEHP
Executive Director

Administrative/Fiscal
618.233.7703
618.222.1630 fax

Infectious Disease Prevention

- Communicable Disease
618.233.6175
618.233.9356 fax
- Southwestern Illinois
HIV Care Connect
618.825.4501
618.825.4585 fax
- Emergency Preparedness
618.233.7703
618.233.9356 fax

Personal Health

- Maternal-Child
Health Programs
618.233.6170
618.236.0821 fax
- Breast and Cervical Cancer
618.233.7703
618.233.7713 fax

Environmental Health

- 618.233.7769
- 618.236.0676 fax

Like and Follow us on:
Facebook: @SCC.HealthDepartment
Twitter: @stclairhealth



Public Health
Prevent. Promote. Protect.
**St. Clair County
Health Department**
together for your health

To: All Units of Local Government, Cities, Townships, Highway Commissioners,
and, Public Works Directors

Date: August 19, 2022

RE: **LOCAL GOVERNMENT ONLY Used Tire Collection 2022**

The Illinois Environmental Protection Agency is pleased to sponsor a used tire collection for St. Clair County. This tire collection is for **Governmental Entities ONLY** and is **NOT open to the general public**. No used tires from ULG fleets or from private entities are allowed. Please **DO NOT** advertise this collection to the public.

The collection will be held on **Tuesday September 20, 2022 and Wednesday, September 21, 2022 from 8:00a.m. until 3:00p.m.** on both days.

Illinois Department of Transportation has graciously allowed the use of their property at **8313 Shiloh Valley Township Line Road, Lebanon, Illinois**.

Tires on rims, large truck, and tractor tires MUST be kept separate to facilitate unloading in a different area at the collection site.

Please take the necessary steps to insure that mud and comingled waste materials (i.e. rocks/bricks, lumber, and garbage are removed from each load PRIOR to delivery.

If you have any specific questions, please contact one of us:

Michael Gates
St. Clair County Health Dept.
618-825-4451 office
michael.gates@co.st-clair.il.us

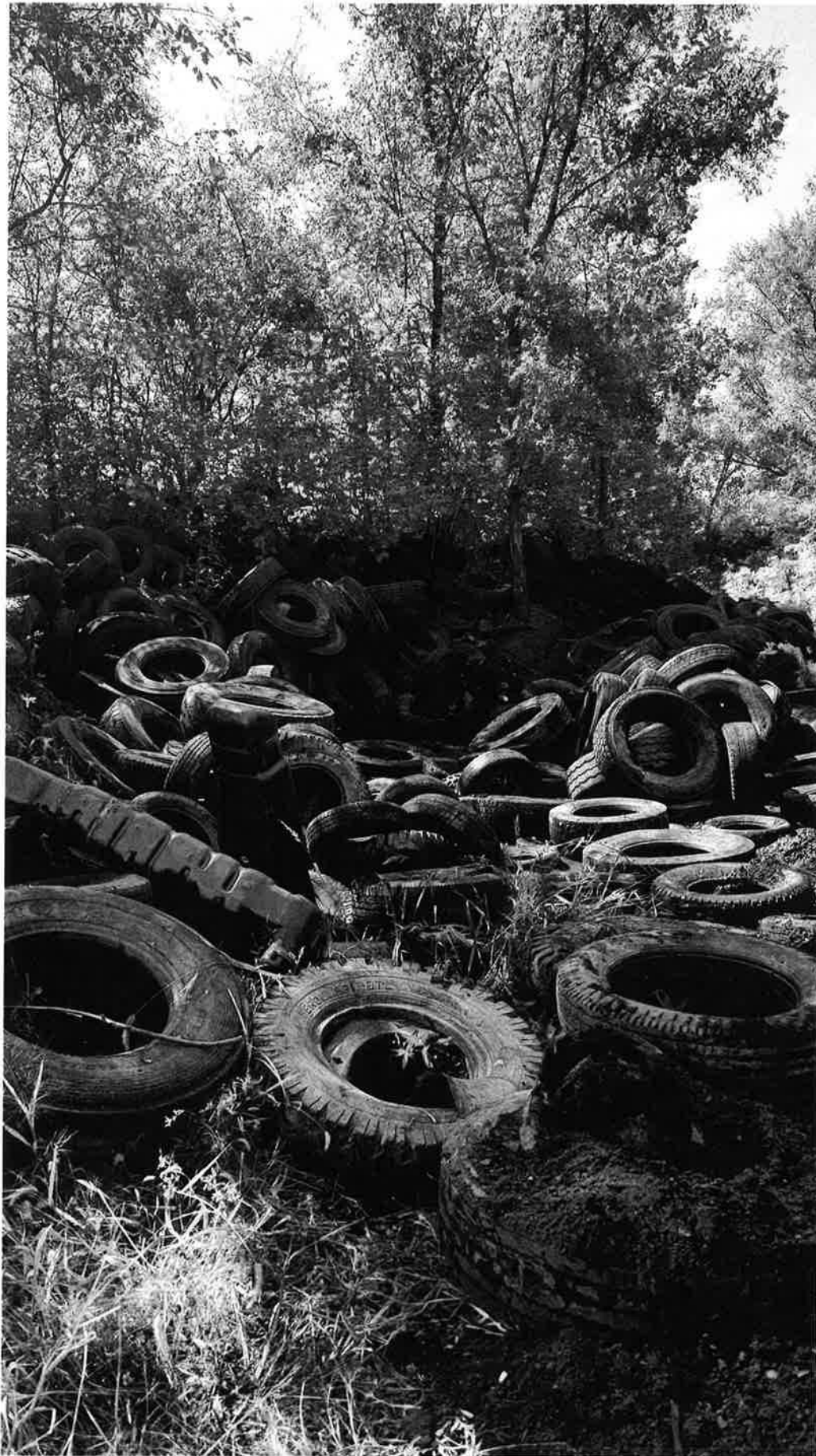
Jacob McQuaid
IEPA
618-346-5142 office
Jacob.McQuaid@illinois.gov

Tammy Mezo

From: Michael Suarez <michaelsuarez30@yahoo.com>
Sent: Wednesday, September 21, 2022 2:56 PM
To: Norm Etling; Randy Georgen
Subject: Tires

We took 18 loads of tires today for the recycling of tires.

Michael





Waste Management Clean Sweep Tickets

April - June 2022			July - December 2022			January - February 2023		
Ticket #	Date	Tons	Ticket #	Date	Tons	Ticket #	Date	Tons
1826115	04/18/22	6.99	1844212	07/06/22	1.53	1887668	01/11/23	3.72
1826378	04/19/22	4.74	1846198		1.79	1889368	01/19/23	4.11
1826963	04/21/22	5.81	1847243	07/19/22	5.10	1889402	01/19/23	1.96
1827823	04/26/22	5.96	1847980	07/21/22	4.26	1890106	01/23/23	6.83
1827970	04/26/22	4.47	1849203	07/27/22	7.61	1890106	01/23/23	6.83
1828510	04/28/22	3.04	1850831	08/02/22	6.92	1890280	01/24/23	5.59
1829266	05/02/22	6.02	1850960	08/02/22	7.63	1890425	01/24/23	6.92
1829547	05/03/22	7.36	1851205	08/03/22	0.73	1890680	01/26/23	6.62
1829846	05/04/22	6.61	1851262	08/03/22	2.68	1891501	01/30/23	7.32
1831676	05/12/22	5.85	1851263	08/03/22	7.61	1892105	02/01/23	5.36
1832325	05/16/22	6.56	1851569	08/04/22	2.28	1893425	02/07/23	6.31
1832539	05/17/22	4.68	1852903	08/09/22	9.30	1894048	02/09/23	3.32
1832666	05/17/22	6.33	1853639	08/11/22	6.81	1894886	02/14/23	7.64
1833177	05/19/22	3.75	1854911	08/16/22	1.38	1895083	02/14/23	0.94
1833934	05/23/22	7.88	1854929	08/16/22	8.49	1895146	02/14/22	1.91
1834119	05/24/22	7.03	1854962	08/16/22	1.49	1895319	02/15/23	4.49
1834294	05/24/22	1.03	1855020	08/16/22	6.95	1895248	02/15/23	2.15
1834303	05/24/22	6.35	1856960	08/23/22	8.32	1895258	02/15/23	3.41
1834527	05/25/22	6.23	1857856	08/25/22	3.15	1895273	02/15/23	5.74
1834669	05/25/22	4.40	1859051	08/30/22	6.88	1895306	02/15/23	3.31
1834753	05/25/23	2.34	1859121	08/30/22	1.34	1895375	02/15/23	3.53
1836091	06/01/22	3.61	1859181	08/30/22	1.36	1895389	02/15/23	5.51
1837102	06/06/22	0.59	1859201	08/30/22	11.54	1895422	02/15/23	2.53
1837263	06/06/23	7.06	1860934	09/07/22	2.14	1895430	02/15/23	5.33
1837274	06/06/22	0.64	1860971	09/07/22	14.03	1895642	02/16/23	6.27
1837432	06/07/22	0.57	1860978	09/07/22	5.60	1895646	02/16/23	5.35
1837439	06/07/22	6.69	1861041	09/07/22	4.55			
1837636	06/07/22	0.93	1861075	09/07/22	13.25			
1837640	06/07/22	7.39	1861087	09/07/22	6.22			
1837817	06/08/22	0.56	1871031	10/18/22	6.10			
1837818	06/08/22	7.02	1871635	10/20/22	2.26			
1837999	06/08/22	6.98	1872667	10/26/22	6.46			
1839003	06/13/22	4.91	1874093	11/02/22	7.94			
1839308	06/14/22	5.64	1875747	11/09/22	4.67			
1839645	06/15/22	8.15	1876735	11/14/22	3.70			
1839922	06/16/22	3.79	1880986	12/05/22	5.15			
1841012	06/21/22	5.91	1881503	12/07/22	6.56			
1842306	06/27/22	0.28	1883555	12/19/22	5.45			
1842375	06/27/22	0.85	1884151	12/21/22	0.81			
1842536	06/28/22	4.79						
1842936		2.18						

A riparian landowner

owns property adjacent to

a lake or stream. The

shoreline of a lake or

stream and the immediate

adjacent area is called a **riparian buffer**. Riparian

landowners are the last defense to protect our

lakes and streams.

Healthy riparian buffers serve many purposes such as protecting water quality, reducing erosion, enhancing wildlife habitat, minimizing impacts of human activities, and providing positive aesthetics.



Riparian landowners enjoy benefits from the lake or stream's natural attributes and are responsible for maintaining the streambanks or lakeshore (and riparian buffer) on your property.

This brochure provides some helpful tips for maintaining a healthy riparian buffer. Riparian buffers should be at least 10 feet of dense native plants to grow along the water's edge and streambank to allow pollutants to filter out and the banks to stabilize.

What is a Watershed?

Area of land and water draining to a particular river, stream, lake or wetland.

Resources

STREAM/ShORELINE BEST MNGT. PRACTICES

- ◆ Before making any stream or shoreline modifications please contact:

- ◆ Lake Co. Stormwater Management Commission,
500 W. Winchester, Suite 201, Libertyville, IL
60048, (847) 377-7700, www.lakecountylil.gov/stormwater

PLANT/TREE INFORMATION

- ◆ Illinois Native Plant Guide, download from the Natural Resources Conservation Service (NRCS):
www.nrcs.usda.gov/wps/portal/nrcs/main/il/plantsanimals/
- ◆ Native Tree/Shrub Information at Conserve Lake County website: <http://www.conservelakecounty.org/images/pdf/native-trees-and-shrubs-lake-county-illinois.pdf>
- ◆ Tree and plant descriptions—Morton Arboretum:
<http://www.mortonarb.org/trees-plants/tree-plant-descriptions>
- ◆ Purchasing Native Plants—IL Native Plant Society—
www.ill-inps.org/
- ◆ Midwest Invasive Plant Network—Invasive Species Alternatives : <http://www.mipn.org/publications>

SHORELINE MNGT., POLLUTANTS, & WATER QUALITY

- ◆ Lake Co. Health Department, Lakes Management Unit (LCHD), 500 W. Winchester Rd. Libertyville, IL 60048, (847) 377-8000, <http://health.lakecountylil.gov/Population/Pages/Lakes-Management.aspx>

SOIL TESTING

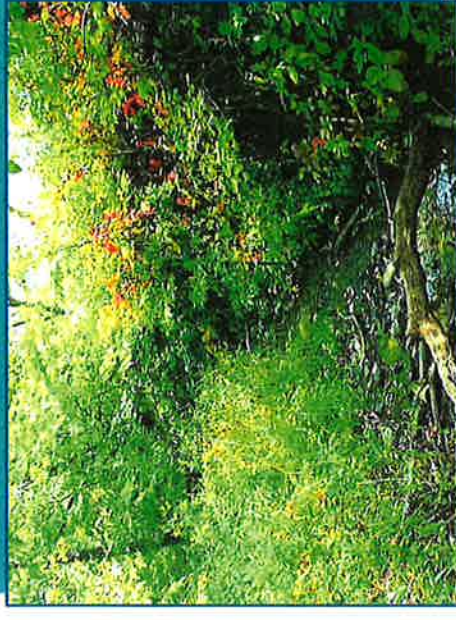
- ◆ University of Illinois Extension—Grayslake, IL
<http://extension.illinois.edu/soiltest/>

FUNDING FOR THIS PROJECT PROVIDED, IN PART, BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY THROUGH SECTION 319 OF THE CLEAN WATER ACT & THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (LCSMC).

PUBLISHED (FEBRUARY 2016)

Lake County Stormwater Management Commission
500 W. Winchester Road, Libertyville, IL 60048
Phone: 847-377-7700
E-mail: awarren@lakecountylil.gov

LIVING ON THE WATER'S EDGE



Living on the water's edge refers to landowners that live at properties along the shoreline of a lake or stream and the immediate adjacent area; this is also referred to as **RIPARIAN BUFFER**.



STORMWATER MANAGEMENT COMMISSION

Best Management Practices for Properties Adjacent to Streams and Lakes

DON'T DUMP!

Dumping yard waste and other debris in your riparian buffers and streams can cause stream blockages, elevate flood stages, and wash sediment and debris (excessive nutrients) into the water bodies.

- ◆ Never dispose of chemicals in the streams, lakes or riparian buffers.
- ◆ Never dispose of branches, leaves, or clippings in the riparian buffers.
- ◆ Remove fallen trees that block flows

FERTILIZE WISELY

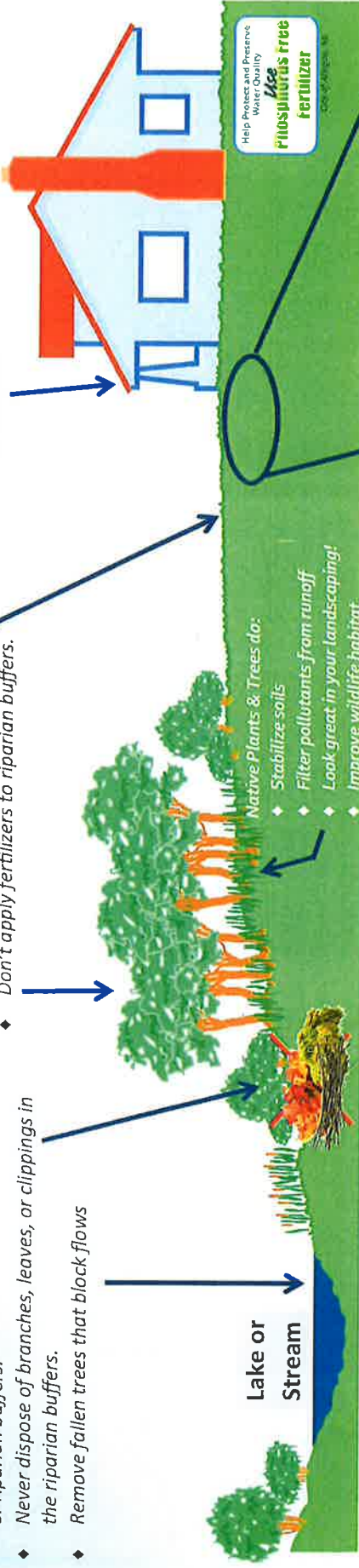
One of the largest problems in Lake County streams and lakes is high amount of nutrients, which produce excessive growth of algae and other undesirable aquatic plants.

- ◆ Test your soil before fertilizing.
- ◆ Don't apply fertilizer before a rain event
- ◆ Be P-free with your fertilizers!
- ◆ Don't apply fertilizers to riparian buffers.

MINIMIZE STORMWATER RUNOFF

Impervious surfaces (roofs and driveways) convey runoff and pollution to our waterways. By minimizing impervious surfaces you can reduce the transport of sediment, chemicals, and other pollutants to waters.

- ◆ Disconnect flow from downspouts & sump pumps from the stream or lake and direct to a rain garden or bioswale



RIPARIAN BUFFER



RIGHT PLANT—RIGHT PLACE!

Deep rooted native plants and trees have long root systems to keep soils in place, absorb runoff, and filter out pollutants. When ground and banks are left bare, soil erodes and washes off into nearby lakes and streams.

- ◆ Remove invasive plants from your yard & riparian buffers
- ◆ Use deep rooted native plants in your landscaping—less water required



Rain Gardens are shallow depressions planted with native plants and are positioned to capture stormwater runoff.

REFERENCES

- Riparian Area Management A Citizen's Guide. Lake County Stormwater Management Commission, (LCSMC) Libertyville, Illinois, 2014.
- Managing the Water's Edge, Making Natural Connections: Southeastern Wisconsin Regional Planning Commission, Waukesha, Wisconsin, 2010.

ST. CLAIR COUNTY'S RESIDENT STORMWATER GUIDE



For more information

St. Clair County Planning and Zoning Department
10 Public Square, Room B561
Belleville, IL, 62220
(618) 277-6660

St. Clair County Health Department
Pollution Prevention Program
19 Public Square, Suite 150
Belleville, IL 62220
(618) 233-7769



www.epa.gov



Seven Simple Steps to Clean Water



- 1 Help keep pollution out of storm drains
- 2 Fertilize sparingly and carefully
- 3 Carefully store and dispose of household cleaners, chemicals, and oil
- 4 Clean up after your pet
- 5 Practice good car care
- 6 Choose earth-friendly landscaping
- 7 Save water

Our Water. Our Future. Ours to Protect.

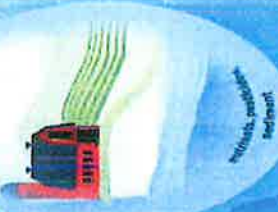
Preventing Polluted Runoff

Everybody's Business



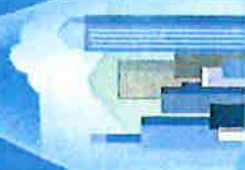
Problems: Runoff
contaminates water bodies

Homeowners can prevent polluted runoff by using lawn care and chemicals sparingly, maintaining septic systems, and picking up pet waste.



Problems: sediment
runoff

Farmers can prevent polluted runoff by managing soil and getting livestock, equipment and buildings cleaned with little dirt and grease.



Problems: sediment
runoff, chemicals

Developers and parents can prevent polluted runoff by using low impact development and providing adequate stormwater facilities.



For more information

St. Clair County Planning and Zoning Department
10 Public Square, Room B561
Belleville, IL, 62220
(618) 277-6660

St. Clair County Health Department
Pollution Prevention Program
19 Public Square, Suite 150
Belleville, IL 62220
(618) 233-7769



www.epa.gov

ST. CLAIR COUNTY'S STORMWATER GUIDE FOR BUSINESSES

Rain washes oil, fertilizer and other pollutants into storm drains...

which flows untreated into lakes and streams.

You can help prevent water pollution by volunteering to apply drain markers to storm drains in your neighborhood.

Also, consider adopting a stream to keep trash out of our creeks.

DON'T DUMP

Adopt a Stream

St. Clair County
Public Meeting Agenda



**ST. CLAIR COUNTY
DEPARTMENT OF ROADS & BRIDGES**

1415 North Belt West
Belleville, IL 62226-5999

Mark Kern, County Board Chairman
Norman Etling, P.E., County Engineer
Randy Georgen, P.E., Asst. County Engineer

Phone: (618) 233-1392
Fax: (618) 233-0996

**TRANSPORTATION COMMITTEE
AGENDA**

**Scheduled for Monday January 30, 2023
6:00 PM County Court House
Conference Room B 564**

Meeting called to order with the Pledge of Allegiance

Approval of minutes from the 12-19-2022 meeting

Comments on the Agenda

Comments from the audience

Please state name, address and keep to about 2 minutes.

Informational 1) MS4 update

- Action Items**
- 1) Advise the County Engineer to accept the Guthrie Estates Minor Subdivision contingent upon the approval of the Health Department.**
 - 2) Approve the Roads and Bridges Five Year Capital Improvement Plan**
 - 3) Accept the Contract with the International Association of Machinists and Aerospace workers as approved by the Labor Committee.**
 - 4) Modification to Highway Permit to include 30 ILCS 500/30-22**

Resolutions:

- A) Resolution authorizing i3 Broadband to install conduit for a communication line easterly approximately 5,540 feet along the south side of Thouvenout Lane to 1,380 feet east of the intersection of Hartman Lane.**
- B) Resolution authorizing i3 Broadband to install conduit for a communication line heading north and south along the east side of Hartman Lane approximately 1,980 feet from Thouvenout Lane.**
- C) Resolution approving i3 Broadband to install conduit for a communication line heading north and south along the east side of Old Collinsville Road 2,250 feet from Thouvenout Road**

- D) Resolution authorizing the Village off Swansea to install a bored and encased sanitary sewer force main under Sullivan Drive, County Highway 81.
- E) Resolution authorizing a cost-plus contract with Thouvenout, Wade and Moerchen to design and prepare plans and specifications in the amount of \$71980.00 for the improvements to Lebanon Avenue and Old Collinsville Road Section 22-00276-13-PV to be paid out of the County Rebuild Fund.
- F) Resolution authorizing execution of permits for SCCTD to access the Right of Way on Old IL Rt 158 for construction of the light rail extension subject to approval by the County Engineer.
- G). Resolution authorizing a joint agreement between St. Clair County, IDOT and the City of Belleville for funding the intersection of Frank Scott Parkway and the North Belt Line. To be paid out of matching funds.
- H) Authorize the execution of a joint agreement with SCCTD for the Old Collinsville Road Trail Phase 3.

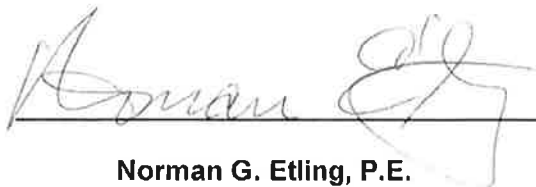
Engineer's Report

Letting for the intersection of FSP and N Belt West and Waterloo Road Drainage Improvements in March
Flashing light at Scott Troy and O'Fallon Troy replaced
IDOT meeting 1-5-2023
Air Show meeting 1-12-2023
EWG Executive Advisory Meeting 1-17-2023
Pipeline Safety Class 1-17-2023.
IACE meeting with IDOT 1-24-2023
1-31-2023 meeting with Dierbergs about SE corner of Greenmount and FSP
Survey work on 17th Street underway
HVAC at shop replaced
Review Highway Plat for Greenmount Road widening from Lebanon Avenue to IL 161
Closing out 2022 projects as able
End of 2022 material inventory sent to auditor
Review of intersection design study resubmittal for Metrolink Extension

Old Business

New Business

Adjournment



**Norman G. Etling, P.E.
County Engineer**

TRANSPORTATION COMMITTEE
Minutes Monday January 30, 2023
6:00 PM County Court House
Conference Room B 564

Members in Attendance

Marty Crawford Vice Chair
Robert Allen
Harry Hollingsworth
Roy Mosley
Mike O'Donnell
Robert Trentman

Guests

Scott Gruenwald	County Board
Robert Wilhelm	County Board
Randy Pierce	News Media
Norman Etling	County Engineer

Members Absent

Rick Vernier

The Vice Chairman served as Chairman and called the meeting to order with the Pledge of Allegiance at 6:00 PM

Mr. Allen made a motion seconded by Mr. O'Donnell to approve the minutes of the 12-19-2022 meeting. All members present voted aye.

The Chairman asked if there were any comments on the Agenda. None were presented.

The Chairman asked if there were any comments from the audience. None were presented

Informational 1) MS4 update. The Engineer gave a brief description of the program and reporting status. A call for questions or comments was initiated. None were received.

Action Items 1) Advise the County Engineer to accept the Guthrie Estates Minor Subdivision contingent upon the approval of the Health Department. Mr. Allen made a motion seconded by Mr. O' Donnell to approve. All members present voted aye.
2) Approve the Roads and Bridges Five Year Capital Improvement Plan. Mr. Mosley made a motion seconded by Mr. Allen to approve. All members present voted aye.
3) Accept the Contract with the International Association of Machinists and Aerospace workers as approved by the Labor Committee. Mr. Mosley made a motion seconded by Mr. Allen to approve. All members present voted aye.
4) Modification to Highway Permit to include 30 ILCS 500/30-22. Mr. Trentman made a motion seconded by Mr. O'Donnell to approve. All members present voted aye.

Resolutions:

- A) Resolution authorizing i3 Broadband to install conduit for a communication line easterly approximately 5,540 feet along the south side of Thouvenout Lane to 1,380 feet east of the intersection of Hartman Lane. Mr. Allen made a motion seconded by Mr. Trentman to approve. All members present voted aye
- B) Resolution authorizing i3 Broadband to install conduit for a communication line heading north and south along the east side of Hartman Lane approximately 1,980 feet from Thouvenout Lane. Mr. Allen made a motion seconded by Mr. O'Donnell to approve. All members present voted aye.
- C) Resolution approving i3 Broadband to install conduit for a communication line heading north and south along the east side of Old Collinsville Road 2,250 feet from Thouvenout Road. Mr. O'Donnell made a motion seconded by Mr. Allen to approve. All members present voted aye.
- D) Resolution authorizing the Village of Swansea to install a bored and encased sanitary sewer force main under Sullivan Drive, County Highway 81. Mr. Allen made a motion seconded by Mr. Hollingsworth to approve. All members present voted aye.
- E) Resolution authorizing a cost-plus contract with Thouvenout, Wade and Moerchen to design and prepare plans and specifications in the amount of \$71980.00 for the improvements to Lebanon Avenue and Old Collinsville Road Section 22-00276-13-PV to be paid out of the County Rebuild Fund. Mr. Mosley made a motion seconded by Mr. Allen to approve. All members present voted aye.
- F) Resolution authorizing execution of permits for SCCTD to access the Right of Way on Old IL Rt 158 for construction of the light rail extension subject to approval by the County Engineer. Mr. Allen made a motion seconded by Mr. O'Donnell to approve. All members present voted aye.
- G). Resolution authorizing a joint agreement between St. Clair County, IDOT and the City of Belleville for funding the intersection of Frank Scott Parkway and the North Belt Line. To be paid out of matching funds. Mr. O'Donnell made a motion seconded by Mr. Mosley to approve. All members present voted aye.
- H) Authorize the execution of a joint agreement with SCCTD for the Old Collinsville Road Trail Phase 3. Mr. Allen made a motion seconded by Mr. Mosley to approve. All members present voted aye.

Engineer's Report

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HVAC at shop replaced
Review Highway Plat for Greenmount Road widening from Lebanon Avenue to IL 161
Closing out 2022 projects as able
End of 2022 material inventory sent to auditor
Review of intersection design study resubmittal for Metrolink Extension
The engineer advised a report on the CK&L of I Lake was sent to the States Attorney for review and Comment.

The Chairman asked if there was any Old Business. None was presented.

The Chairman asked if there was any New Business. Mr. Trentman asked the engineer to look at the stop sign at IL 158 and FSP.

Mr. Mosley asked the engineer to review current management pay structure considering the new union contract.

Mr. Allen made a motion seconded by Mr. O'Donnell to adjourn. All members in attendance voted aye.

The Chairman adjourned the meeting at 6:31 PM

BMP Training

Best Management Practices for Good Housekeeping

Follow these BMPs to control pollutant discharges. The objectives are: 1) to keep pollutants from contacting rain, and 2) to keep pollutants from being dumped or poured into the storm drains. The goal is "only rain in the storm drain."

Activities

Best Management Practices

- | | |
|----------------------------|---|
| Pavement Cleaning | <ul style="list-style-type: none">• Sweep parking lots and other paved areas periodically to remove debris. Dispose of debris in the garbage.• If outdoor pavement cleaning with detergent is required, collect wash water and dispose in indoor sinks or drains for discharge to the sanitary sewer. Contact your local wastewater treatment agency. |
| Litter Control | <ul style="list-style-type: none">• Provide an adequate number of trash receptacles for your customers and employees. This helps keep trash from overflowing the receptacles.• Pick up litter and other wastes daily from outside areas including storm drain inlet grates. |
| Waste Disposal* | <ul style="list-style-type: none">• Inspect dumpsters and other waste containers periodically. Repair or replace leaky dumpsters and containers.• Cover dumpsters and other waste containers.• Never dispose of waste products in storm drain inlets.• Recycle wastes or dispose properly. |
| Materials Storage* | <ul style="list-style-type: none">• Store materials such as grease, paints, detergents, metals, and raw materials in appropriate, labeled containers.• Make sure all outdoor storage containers have lids, and that the lids are adequately closed.• Store stockpiled materials inside a building, under a roof, or covered with a tarp to prevent contact with rain. |
| Training | <ul style="list-style-type: none">• Train employees regularly on good housekeeping practices.• Assign a person to be responsible for effective implementation of BMPs. |
| Equipment/Vehicle Cleaning | <ul style="list-style-type: none">• Maintain equipment and vehicles regularly. Check for and fix leaks.• Use drip pans to collect leaks or spills during maintenance activities.• Wash equipment/vehicles in a designated and/or covered area where the wash water is collected to be recycled or discharged to the sanitary sewer. Contact your local wastewater treatment agency. |

Some Facilities will require structural control BMPs if simpler operation ones are not adequate for keeping pollutant discharges from the storm drains.

* Hazardous materials must comply with hazardous materials storage and disposal requirements.

REFERENCES:

California Industrial/Commercial Best Management Practice Handbook, March 1993
City of Richmond Storm Water Management Program "Your Business and the City of Richmond Partners in Protecting the Bay", 1993
Cities of Fremont, Newark, and Union City, "Source Controls for Storm Water Pollution Prevention", October 1993
ACURCWP "Restaurants" flyer, January 1994
ACURCWP Best Management Practices for Industrial Storm Water Pollution Control, March 1994



ST. CLAIR
COUNTY



ST. CLAIR
COUNTY

HELP YOUR WATERSHED!

STORMWATER MANAGEMENT

STORMWATER MANAGEMENT

Everyone lives in a watershed, and it takes a community to maintain and protect it!

St. Clair County is looking for input on water quality concerns or issues in your watershed. If you have any information, please provide it online at:

co.st-clair.il.us/stormwater/concerns

However, no matter where you live in a watershed, you contribute to the health of local streams and rivers.

If you don't have information to contribute, you can still help improve the health of your watershed by following the guidance in this brochure!



St. Clair County Stormwater Management

For more information

St. Clair County
Building and Zoning Department
10 Public Square
Belleville, IL 62220

Stormwater Hotline
618-825-2690

Email: stormwater@co.st-clair.il.us



BEST MANAGEMENT PRACTICES

618-825-2531

stormwater@co.st-clair.il.us

co.st-clair.il.us/stormwater

co.st-clair.il.us/stormwater

BEST MANAGEMENT PRACTICES

To Learn More

Visit us at: co.st-clair.il.us/stormwater

Or

Call us at 618-825-2531

WHAT ARE BEST MANAGEMENT PRACTICES?

Stormwater best management practices (BMPs) are techniques, measures or structural controls used to manage the quantity and improve the quality of stormwater runoff. The goal of BMPs is to mimic the natural way water moved through an area before development by using design techniques to infiltrate, evaporate, and reuse runoff close to its source. BMPs help reduce the amount of and improve the quality of stormwater runoff. Please preserve our streams by utilizing these BMPs.

QUICK FIXES

Rain barrels are an easy and inexpensive way to capture and store runoff falling from gutters. The stored water can later be used to water gardens and lawns. You can make your own barrels or purchase them locally with simple installation. Another easy fix is adding a rain garden to your property. This attractive BMP is effective in reducing the amount of runoff leaving your property. Rain gardens utilize native plants with deep roots to absorb runoff, filter pollutants and promote groundwater recharge. Even simple changes in habit can be a BMP. For example, using phosphate-free products when washing your car or fertilizing your lawn go a long way in reducing pollutants in stormwater runoff. Something as small as cleaning up after your pet and ensuring litter is properly disposed of can also help.

CONSTRUCTION SOLUTIONS

Some BMPs require more involvement, but should be considered when building or renovating homes. For example, green roofs are an excellent way to decrease the amount of runoff leaving your property. Green roofs not only utilize water where it falls, but help prevent urban heat islands. Green roofs are a more expensive upgrade to your property, but they save money on heating and cooling costs. They can also be constructed on flat and sloped surfaces. A permeable paver is another BMP used as an alternative to traditional concrete or asphalt paving. The pavers decrease runoff by allowing water to seep into cracks that are filled with an aggregate. Remember, anything you can do to reduce pollutants in St. Clair County streams helps everyone!

REMEMBER...

- Use permeable pavers instead of asphalt or concrete.
- Plant rain gardens using native species.
- Mix composts into lawns and gardens to use for fertilizer.
- Install rain barrels and use it to water your plants and lawn.
- Don't use your hose as a broom.
- Build green vegetated roofs.
- Keep your vehicle regularly maintained and free of leakage.
- Use phosphate-free products outdoors.
- Put litter in its place.
- Use alternative deicing methods on your driveway in the winter.
- Clean up animal waste.
- Properly dispose of grass clippings and leaves.
- Wash your car on the lawn.
- Report illicit discharge into sewers and streams.

Post Construction Management Training



Stormwater Phase II Final Rule

Post-Construction Runoff Control Minimum Control Measure

Stormwater Phase II Final Rule Fact Sheet Series

Overview

1.0 – Stormwater Phase II Final Rule: An Overview

Small MS4 Program

2.0 – Small MS4 Stormwater Program Overview

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

2.2 – Urbanized Areas: Definition and Description

Minimum Control Measures

2.3 – Public Education and Outreach

2.4 – Public Participation/Involvement

2.5 – Illicit Discharge Detection and Elimination

2.6 – Construction Site Runoff Control

2.7 – Post-Construction Runoff Control

2.8 – Pollution Prevention/Good Housekeeping

2.9 – Permitting and Reporting: The Process and Requirements

2.10 – Federal and State-Operated MS4s: Program Implementation

Construction Program

3.0 – Construction Program Overview

3.1 – Construction Rainfall Erosivity Waiver

Industrial "No Exposure"

4.0 – Conditional No Exposure Exclusion for Industrial Activity

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

Why Is The Control of Post-Construction Runoff Necessary?

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

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

What Is Required?

The Phase II Final Rule requires an operator of a regulated small MS4 to develop, implement, and enforce a program to reduce pollutants in post-construction runoff to their MS4 from new development and redevelopment projects that result in the land disturbance of greater than or equal to 1 acre. The small MS4 operator is required to:

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

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

What Is Considered a “Redevelopment” Project?

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

What Are Some Guidelines for Developing and Implementing This Measure?

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

☐ Non-Structural BMPs

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

☐ Structural BMPs

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

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

What Are Appropriate Measurable Goals?

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

EPA has developed a Measurable Goals Guidance for Phase II MS4s that is designed to help program managers comply with the requirement to develop measurable goals. The guidance presents an approach for MS4 operators to develop measurable goals as part of their stormwater management plan. For example, an MS4 program goal might be to reduce by 30 percent the road surface areas directly connected to storm sewer systems (using traditional curb and gutter infrastructure) in new developments and redevelopment areas over the course of the first permit term. Using “softer” stormwater conveyance approaches, such as grassy swales, will increase infiltration and decrease the volume and velocity of runoff leaving development sites. Progress toward the goal could be measured by tracking the linear feet of curb and gutter not installed in development projects that historically would have been used.

For Additional Information

Contacts

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

Reference Documents

- ☛ EPA's Stormwater Web Site
<http://www.epa.gov/npdes/stormwater>
- Stormwater Phase II Final Rule Fact Sheet Series
 - Stormwater Phase II Final Rule (64 FR 68722)
 - National Menu of Best Management Practices for Stormwater Phase II
 - Measurable Goals Guidance for Phase II Small MS4s
 - Stormwater Case Studies
 - And many others
- ☛ Other EPA Web sites
- Ordinance Database
www.epa.gov/owow/nps/ordinance
 - Urban Nonpoint Source Guidance
www.epa.gov/owow/nps/urbanmm/index.html
 - Low Impact Development Web site
www.epa.gov/owow/nps/lid

Stormwater Routine Inspection Form

Inspection Information			
Facility Name			
Permit Auth. No.			
Date of Inspection	Insert Date	Start/End Time	Insert Start/End Times
Inspector's Name(s)	Insert Names		
Inspector's Title(s)	Insert Titles		
Inspector's Contact Information	Insert Contact Info		
Inspector's Qualifications	Insert Qualifications		

Weather Information
Weather at time of this inspection: ☐ Clear ☐ Cloudy ☐ Rain ☐ Sleet ☐ Fog ☐ Snow ☐ High Winds ☐ Other: _____ Temperature: _____
Have any previously unidentified discharges of pollutants occurred since the last inspection? ☐ Yes ☐ No If yes, describe: _____
Are there any discharges occurring at the time of inspection? ☐ Yes ☐ No If yes, describe: _____

Control Measures				
Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility. - Identify if maintenance or corrective action is needed. - If maintenance is needed, fill out section B of this template - If corrective action is needed, fill out section G of this template				
	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Maintenance or Corrective Action Needed and Notes
1	Cover on all waste/recycle containers	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	N/A
2	Yard Spill Kits	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	N/A
3	Fueling Drip Protection Drain Guards Spill Cleanup Materials	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	N/A
4	Curbing	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	N/A
5	Stormwater drain grate covers	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	N/A
6	Established Vegetation	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	N/A

Stormwater Routine Inspection Form

Control Measures

Number the structural stormwater control measures identified in your SWPPP on your site map and list them below (add as many control measures as are implemented on-site). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required control measures at your facility.

- Identify if maintenance or corrective action is needed.
- If maintenance is needed, fill out section B of this template
- If corrective action is needed, fill out section G of this template

	Structural Control Measure	Control Measure is Operating Effectively?	If No, In Need of Maintenance, Repair, or Replacement?	Maintenance or Corrective Action Needed and Notes
7	Insert Control Measure Name	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	Describe Maintenance and/or Corrective Actions Needed
8	Insert Control Measure Name	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	Describe Maintenance and/or Corrective Actions Needed
9	Insert Control Measure Name	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	Describe Maintenance and/or Corrective Actions Needed
10	Insert Control Measure Name	☐ Yes ☐ No	☐ Maintenance ☐ Repair ☐ Replacement	Describe Maintenance and/or Corrective Actions Needed

Areas of Industrial Materials or Activities Exposed to Stormwater

Below are some general areas that should be assessed during routine inspections:

- Customize this list as needed for the specific types of industrial materials or activities at your facility that are potential pollutant sources.
- Identify if maintenance or corrective action is needed.
- If maintenance is needed, fill out section B of this template. If corrective action is needed, fill out section G of this template.

	Area/Activity	Inspected?	Controls Adequate (appropriate, effective and operating)?	Maintenance or Corrective Action Needed and Notes
1	Material loading/unloading and storage areas	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
2	Equipment operations and maintenance areas	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
3	Fueling areas	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
4	Outdoor vehicle and equipment washing areas	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
5	Waste handling and disposal areas	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
6	Erodible areas/construction	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
7	Non-stormwater/ illicit connections	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed
8	Salt storage piles or pile containing salt	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	Describe Maintenance and/or Corrective Actions Needed

Stormwater Routine Inspection Form

Areas of Industrial Materials or Activities Exposed to Stormwater

Below are some general areas that should be assessed during routine inspections:

- Customize this list as needed for the specific types of industrial materials or activities at your facility that are potential pollutant sources.
- Identify if maintenance or corrective action is needed.
- If maintenance is needed, fill out section B of this template. If corrective action is needed, fill out section G of this template.

	Area/Activity	Inspected?	Controls Adequate (appropriate, effective and operating)?	Maintenance or Corrective Action Needed and Notes
9	Dust generation and vehicle tracking	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	N/A
10	Processing areas	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	N/A
11	Areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	N/A
12	Immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	N/A
13	(Other)	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	N/A
14	(Other)	☐ Yes ☐ No ☐ N/A	☐ Yes ☐ No	N/A

Discharge Points

At discharge points, describe any evidence of, or the potential for, pollutants entering the drainage system. Also describe observations regarding the physical condition of and around all outfalls, including any flow dissipation devices, and evidence of pollutants in discharges and/or the receiving water. Identify if any corrective action is needed.

Non-Compliance

Stormwater Routine Inspection Form

Describe any incidents of non-compliance observed and not described above:

--

Additional Control Measures

Describe any additional control measures needed to comply with the permit requirements:

--

Notes

Use this space for any additional notes or observations from the inspection:

--

Certification Statement (Refer to permit for Signatory Requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A. Name:		B. Title:	
C. Signature:		D. Date Signed:	

Stormwater Visual Assessment Form

(Complete a separate form for each assessed outfall)

Facility Assessment Information			
Name of Facility:		Permit Auth. No.	
Outfall Name:	"Substantially Identical Discharge Point"?		☐ Yes ☐ No
Person(s)/Title(s) collecting sample:			
Person(s)/Title(s) examining sample:			
Date & Time Discharge		Date & Time Sample Collected:	Date & Time Sample Examined:
Substitute Sample? ☐ No ☐ Yes			
Nature of Discharge: ☐ Rainfall ☐ Snowmelt			
Rainfall Amount:		Previous Storm Ended > 72 hours Before Start of This Storm?	☐ Yes ☐ No
Pollutants Observed			
Color	☐ None ☐ Other	(Describe): _____	
Odor	☐ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas ☐ Solvents ☐ Other (Describe): _____		
Clarity	☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other		
Floating Solids	☐ No ☐ Yes (Describe): _____		
Settled Solids**	☐ No ☐ Yes (Describe): _____		
Suspended Solids	☐ No ☐ Yes (Describe): _____		
Foam (gently shake sample)	☐ No ☐ Yes (Describe): _____		
Oil Sheen	☐ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (Describe): _____		
Other Obvious Indicators of Stormwater Pollution	☐ No ☐ Yes (Describe): _____		
* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period. ** Observe for settled solids after allowing the sample to sit for approximately one-half hour.			
Identify probable sources of any observed stormwater contamination. Also, include any additional comments, descriptions of pictures taken, and any corrective actions necessary below (attach additional sheets as necessary).			
Certification Statement (Refer to permit for Signatory Requirements)			
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."			
A. Name:		B. Title:	
C. Signature:		D. Date Signed:	

Stormwater Visual Assessment Form

(Complete a separate form for each assessed outfall)

Facility Assessment Information			
Name of Facility:		Permit Auth. No.	
Outfall Name:		"Substantially Identical Discharge Point"? ☐ Yes ☐ No	
Person(s)/Title(s) collecting sample:			
Person(s)/Title(s) examining sample:			
Date & Time Discharge		Date & Time Sample Collected:	
		Date & Time Sample	
Substitute Sample? ☐ No ☐ Yes			
Nature of Discharge: ☐ Rainfall ☐ Snowmelt			
Rainfall Amount:		Previous Storm Ended > 72 hours Before Start of This Storm? ☐ Yes ☐ No	
Pollutants Observed			
Color	☐ None ☐ Other (Describe):		
Odor	☐ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas		
	☐ Solvents ☐ Other (Describe):		
Clarity	☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other		
Floating Solids	☐ No ☐ Yes (Describe):		
Settled Solids**	☐ No ☐ Yes (Describe):		
Suspended Solids	☐ No ☐ Yes (Describe):		
Foam (gently shake sample)	☐ No ☐ Yes (Describe):		
Oil Sheen	☐ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick		
	☐ Other (Describe):		
Other Obvious Indicators of Stormwater Pollution	☐ No ☐ Yes (Describe):		
* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period. ** Observe for settled solids after allowing the sample to sit for approximately one-half hour.			
Identify probable sources of any observed stormwater contamination. Also, include any additional comments, descriptions of pictures taken, and any corrective actions necessary below (attach additional sheets as necessary).			
Certification Statement (Refer to permit for Signatory Requirements)			
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."			
A. Name:		B. Title:	
C. Signature:		D. Date Signed:	

Stormwater Visual Assessment Form

(Complete a separate form for each assessed outfall)

Facility Assessment Information			
Name of Facility:		Permit Auth. No.	
Outfall Name:		"Substantially Identical Discharge Point"? ☐ Yes ☐ No	
Person(s)/Title(s) collecting sample:			
Person(s)/Title(s) examining sample:			
Date & Time Discharge		Date & Time Sample Collected:	
Substitute Sample? ☐ No ☐ Yes			
Nature of Discharge: ☐ Rainfall ☐ Snowmelt			
Rainfall Amount:		Previous Storm Ended > 72 hours Before Start of This Storm? ☐ Yes ☐ No	
Pollutants Observed			
Color	☐ None ☐ Other (Describe):		
Odor	☐ None ☐ Musty ☐ Sewage ☐ Sulfur ☐ Sour ☐ Petroleum/Gas ☐ Solvents ☐ Other (Describe):		
Clarity	☐ Clear ☐ Slightly Cloudy ☐ Cloudy ☐ Opaque ☐ Other		
Floating Solids	☐ No ☐ Yes (Describe):		
Settled Solids**	☐ No ☐ Yes (Describe):		
Suspended Solids	☐ No ☐ Yes (Describe):		
Foam (gently shake sample)	☐ No ☐ Yes (Describe):		
Oil Sheen	☐ None ☐ Flecks ☐ Globs ☐ Sheen ☐ Slick ☐ Other (Describe):		
Other Obvious Indicators of Stormwater Pollution	☐ No ☐ Yes (Describe):		
* The 72-hour interval can be waived when the previous storm did not yield a measurable discharge or if you are able to document (attach applicable documentation) that less than a 72-hour interval is representative of local storm events during the sampling period. ** Observe for settled solids after allowing the sample to sit for approximately one-half hour.			
Identify probable sources of any observed stormwater contamination. Also, include any additional comments, descriptions of pictures taken, and any corrective actions necessary below (attach additional sheets as necessary).			
Certification Statement (Refer to permit for Signatory Requirements) "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."			
A. Name:		B. Title:	
C. Signature:		D. Date Signed:	

EXHIBIT Additional Community Activities-A

Quarterly Visual Inspection Field Sheets

Quarterly Visual Monitoring Form

Fill out a separate form for each sample collected (one form per outfall)

Facility	STODKEY TOWNSHIP		Permit ILR40 -	0135
Sampler's Name (please print)	BRIAN REED		Qualifying Rain Event	☒ Yes ☐ No
Outfall ID. (refer to site map)		Outfall Description (ex: ditch, grassed swale, concrete pipe)	creek	
Quarter/ Year		Date/Time Collected	Date/Time Examined	10 am 3/7
Est. Time of Rainfall Start	3/6	Rainfall Amount	1.65	Runoff Source ☐ Snowmelt ☒ Rainfall
Parameter	Parameter Description		Parameter Characteristics	
Color	Does the stormwater appear to have any color? ☒ Yes ☐ No (Clear)		☐ Yellow ☐ Brown ☐ Red ☐ Gray ☐ Other	
Clarity	Is the stormwater clear? ☐ Yes ☒ No		☐ Opaque ☐ Milky/Cloudy ☐ Suspended Solids ☐ Other	
Oil Sheen	Can you see a rainbow effect or sheen on the water surface? ☐ Yes ☒ No		☐ Floating Oil Globules ☐ Rainbow Sheen ☐ Other	
Odor	Does the sample have an odor? ☐ Yes ☒ No		☐ Chemical ☐ Musty ☐ Rotten Eggs ☐ Sewage ☐ Other	
Floating Solids	Is there anything on the surface of the sample? ☐ Yes ☒ No		☐ Suds ☐ Garbage ☐ Sewage ☐ Oily Film ☐ Other	
Suspended Solids	Is there anything suspended in the sample? ☒ Yes ☐ No		Description:	
Damage to Outfall Structure	Is there any damage to the outfall structure? ☐ Yes ☒ No		☐ Concrete Cracking ☐ Corrosion ☐ Peeling Paint ☐ Other	
Vegetation Conditions	Describe plant growth around the stormwater discharge location using the check boxes.		☐ Inhibited Growth ☒ Normal ☐ Excessive ☐ Other	
WAIT 30 MINUTES				
Settled Solids	Is there something settled on the bottom of the sample? ☒ Yes ☐ No		Description (note type, size, & material): silt particles	
Foam	Is there foam or material forming on the top of the sample surface? ☐ Yes ☒ No		Description (shake bottle gently, is there foam?) No	
Detail any concerns, corrective actions taken, and any other indicators of pollution present in the sample. Hickman Creek at Saeger Bridge				
Sampler's Signature and Date	[Signature] 3-7-22			

Quarterly Visual Monitoring Form

Fill out a separate form for each sample collected (one form per outfall)

Facility	STODNEY TOWNSHIP		Permit ILR40 -	0135	
Sampler's Name (please print)	BRIAN REED		Qualifying Rain Event	☒ Yes ☐ No	
Outfall ID. (refer to site map)			Outfall Description (ex: ditch, grassed swale, concrete pipe)		
Quarter/ Year		Date/Time Collected	5/6 8:30 am	Date/Time Examined	5/6 8:30 am
Est. Time of Rainfall Start	5/6	Rainfall Amount	1.25 inches	Runoff Source	☐ Snowmelt ☒ Rainfall
Parameter	Parameter Description		Parameter Characteristics		
Color	Does the stormwater appear to have any color? ☒ Yes ☐ No (Clear)		☐ Yellow ☒ Brown ☐ Red ☐ Gray ☐ Other		
Clarity	Is the stormwater clear? ☐ Yes ☒ No		☐ Opaque ☐ Milky/Cloudy ☒ Suspended Solids ☐ Other		
Oil Sheen	Can you see a rainbow effect or sheen on the water surface? ☐ Yes ☒ No		☐ Floating Oil Globules ☐ Rainbow Sheen ☐ Other		
Odor	Does the sample have an odor? ☐ Yes ☒ No		☐ Chemical ☐ Musty ☐ Rotten Eggs ☐ Sewage ☐ Other		
Floating Solids	Is there anything on the surface of the sample? ☐ Yes ☒ No		☐ Suds ☐ Garbage ☐ Sewage ☐ Oily Film ☐ Other		
Suspended Solids	Is there anything suspended in the sample? ☒ Yes ☐ No		Description: mud		
Damage to Outfall Structure	Is there any damage to the outfall structure? ☐ Yes ☒ No		☐ Concrete Cracking ☐ Corrosion ☐ Peeling Paint ☐ Other		
Vegetation Conditions	Describe plant growth around the stormwater discharge location using the check boxes.		☐ Inhibited Growth ☒ Normal ☐ Excessive ☐ Other		
WAIT 30 MINUTES					
Settled Solids	Is there something settled on the bottom of the sample? ☒ Yes ☐ No		Description (note type, size, & material): dirt particles		
Foam	Is there foam or material forming on the top of the sample surface? ☐ Yes ☒ No		Description (shake bottle gently, is there foam?) NO		
Detail any concerns, corrective actions taken, and any other indicators of pollution present in the sample. Prairie Du Pont creek Villa St. Bridge					
Sampler's Signature and Date	Bryan Reed 5/6/22				

Quarterly Visual Monitoring Form

Fill out a separate form for each sample collected (one form per outfall)

Facility	STODNEY TOWNSHIP		Permit ILR40 -	0135	
Sampler's Name (please print)	BRIAN REED		Qualifying Rain Event	☒ Yes ☐ No	
Outfall ID. (refer to site map)			Outfall Description (ex: ditch, grassed swale, concrete pipe)	creek	
Quarter/ Year		Date/Time Collected	7/27/22	Date/Time Examined	9 am 7/27
Est. Time of Rainfall Start	7/26	Rainfall Amount	7.24	Runoff Source	☐ Snowmelt ☒ Rainfall
Parameter	Parameter Description		Parameter Characteristics		
Color	Does the stormwater appear to have any color? ☒ Yes ☐ No (Clear)		☐ Yellow ☐ Brown ☐ Red ☐ Gray ☐ Other _____		
Clarity	Is the stormwater clear? ☐ Yes ☒ No		☐ Opaque ☐ Milky/Cloudy ☐ Suspended Solids ☐ Other _____		
Oil Sheen	Can you see a rainbow effect or sheen on the water surface? ☐ Yes ☒ No		☐ Floating Oil Globules ☐ Rainbow Sheen ☐ Other _____		
Odor	Does the sample have an odor? ☐ Yes ☒ No		☐ Chemical ☐ Musty ☐ Rotten Eggs ☐ Sewage ☐ Other _____		
Floating Solids	Is there anything on the surface of the sample? ☐ Yes ☒ No		☐ Suds ☐ Garbage ☐ Sewage ☐ Oily Film ☐ Other _____		
Suspended Solids	Is there anything suspended in the sample? ☒ Yes ☐ No		Description:		
Damage to Outfall Structure	Is there any damage to the outfall structure? ☐ Yes ☒ No		☐ Concrete Cracking ☐ Corrosion ☐ Peeling Paint ☐ Other _____		
Vegetation Conditions	Describe plant growth around the stormwater discharge location using the check boxes.		☐ Inhibited Growth ☒ Normal ☐ Excessive ☐ Other _____		
WAIT 30 MINUTES					
Settled Solids	Is there something settled on the bottom of the sample? ☒ Yes ☐ No		Description (note type, size, & material): fine dirt particles		
Foam	Is there foam or material forming on the top of the sample surface? ☐ Yes ☒ No		Description (shake bottle gently, is there foam?) NO		
Detail any concerns, corrective actions taken, and any other indicators of pollution present in the sample. Prairie du Pont Creek @ Villa Dr					
Sampler's Signature and Date	7-27-22				

Quarterly Visual Monitoring Form

Fill out a separate form for each sample collected (one form per outfall)

Facility	STODKEY TOWNSHIP		Permit ILR40 -	0135	
Sampler's Name (please print)	BRIAN REED		Qualifying Rain Event	☒ Yes ☐ No	
Outfall ID. (refer to site map)			Outfall Description (ex: ditch, grassed swale, concrete pipe)		
Quarter/ Year		Date/Time Collected	10/26		Date/Time Examined
Est. Time of Rainfall Start	10/26	Rainfall Amount	.35		Runoff Source
					☐ Snowmelt ☒ Rainfall
Parameter	Parameter Description		Parameter Characteristics		
Color	Does the stormwater appear to have any color? ☒ Yes ☐ No (Clear)		☐ Yellow ☒ Brown ☐ Red ☐ Gray ☐ Other _____		
Clarity	Is the stormwater clear? ☐ Yes ☒ No		☐ Opaque ☐ Milky/Cloudy ☐ Suspended Solids ☐ Other _____		
Oil Sheen	Can you see a rainbow effect or sheen on the water surface? ☐ Yes ☒ No		☐ Floating Oil Globules ☐ Rainbow Sheen ☐ Other _____		
Odor	Does the sample have an odor? ☐ Yes ☒ No		☐ Chemical ☐ Musty ☐ Rotten Eggs ☐ Sewage ☐ Other _____		
Floating Solids	Is there anything on the surface of the sample? ☐ Yes ☒ No		☐ Suds ☐ Garbage ☐ Sewage ☐ Oily Film ☐ Other _____		
Suspended Solids	Is there anything suspended in the sample? ☒ Yes ☐ No		Description:		
Damage to Outfall Structure	Is there any damage to the outfall structure? ☐ Yes ☒ No		☐ Concrete Cracking ☐ Peeling Paint ☐ Corrosion ☐ _____ ☐ Other _____		
Vegetation Conditions	Describe plant growth around the stormwater discharge location using the check boxes.		☐ Inhibited Growth ☒ Normal ☐ Excessive ☐ Other _____		
WAIT 30 MINUTES					
Settled Solids	Is there something settled on the bottom of the sample? ☒ Yes ☐ No		Description (note type, size, & material): very fine silt		
Foam	Is there foam or material forming on the top of the sample surface? ☐ Yes ☒ No		Description (shake bottle gently, is there foam?) NO		
Detail any concerns, corrective actions taken, and any other indicators of pollution present in the sample. Hickman Creek Suez Bridge et					
Sampler's Signature and Date	10/26/22				

Additional Community Activities-B

Groups and Organizations



EAST-WEST GATEWAY

Council of Governments

Creating Solutions Across Jurisdictional Boundaries

AGENDA

WATER RESOURCES ADVISORY COMMITTEE

Tuesday, February 28, 2023
10:30 AM – 12:00 PM
East-West Gateway Board Room and Virtual

The East-West Gateway Offices are now open to the public. You are welcome to attend this meeting in person or virtually on the GoToMeeting platform.

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

Computer - <https://meet.goto.com/946261181>

Access code: 946-261-181

Or Phone - +1 (312) 757-3121

1. **CALL TO ORDER** - Carol Lawrence, Chair, East-West Gateway Council of Governments
2. **DISCUSSION ITEMS**
 - A. **Frontenac's Timber Trail to Briar Ridge Streambank Restoration Project**
 - Len Maladon, EDM Inc.
 - Jeff Wappelhorst, City of Frontenac
 - B. **Municipal Stormwater Management Planning Efforts**
 - Eric Karch, Rietz & Jens
 - Josiah Holst, HR Green
 - C. **Caulks Creek Watershed Study in Wildwood**
 - Paul Rydlund, Central Midwest Water Census - USGS

3. OTHER BUSINESS/ANNOUNCEMENTS

4. ADJOURNMENT

Gateway Tower
One Memorial Drive, Suite 1600
St. Louis, MO 63102-2451

TEL 314-231-6120
FAX 314-231-6120

webmaster@ewgateway.org
www.ewgateway.org

Chair:
Mark A. Kern
Chairman, St. Clair County Board

Vice Chair:
Tishaura Jones
Mayor
City of St. Louis

Presiding Commissioner:
Tim Brinker
Presiding Commissioner
Franklin County

County Executive, St. Charles County:
Steve Ehlmann

County Executive, Jefferson County:
Dennis Gannon

County Board Chairman, Monroe County:
Dennis M. Knobloch

County Executive, St. Louis County:
Dr. Sam Page

Chairman, Madison County Board:
Kurt Prenzler

President, Municipal League of Metro St. Louis:
Darlene Bell

Honorable Rita Heard, Days Councilwoman, 1st Council District, St. Louis County:
Honorble Rita Heard

Mayor, City of East St. Louis:
Robert Eastern III

Councilman, District 3, St. Charles County:
Mike Elam

President, Board of Aldermen, City of St. Louis:
Megan Green

President, Southwestern Illinois Council of Mayors:
Mark Kupsy

St. Clair County:
Roy Mosley

Madison County:
David Schwind

President, Southwestern Illinois Metropolitan & Regional Planning Commission:
Herbert Simmons

Vice President, Southwestern Illinois Council of Mayors:
Seth Speiser

St. Louis County:
Donald R. Summers, Jr.

Franklin County:
Brad Zobrist

Barbara Geisman:
C. William Grogan

John A. Laker:
Ron Williams

Holly Bieneman:
Illinois Department of Transportation

Vacant:
Illinois Department of Commerce and Economic Opportunity

Patrick McKenna:
Missouri Department of Transportation

Taulby Roach:
Bi-State Development

Aaron Willard:
Missouri Office of Administration

James M. Wild:

ASCE > FORWARD
FASTER.

JOIN TODAY.

IT'S THE
FAST LANE
TO YOUR
BRIGHTEST
FUTURE.





IACE 108th Spring Meeting, May 11-13, 2022
Professional Development Hours Completion Certificate

NORMAN ETLING, received the below checked
Professional Development Hours (PDH) for a maximum of (7) PDHs for attending the

Illinois Association of County Engineers 108th Spring Meeting held
at the Bloomington-Normal Marriott, Normal, Illinois, May 11-13, 2022.

Attendee-please check each line for the session(s) you attended and write the sum of
your PDH gained on the line below.

General Session: Thursday 9:00 a.m.–5:00 p.m.

- IDOT Local Roads, Illinois Department of Transportation ✓
- FHWA, Local Roads Safety Plans, Federal Highway Administration ✓
- IDOT Local Roads Highlights, Illinois Department of Transportation ✓
- FHWA, Update, Federal Highway Administration ✓
- IDOT Update, Illinois Department of Transportation ✓
- Utilities in Right-of-Way, Sorling Northup Attorneys ✓
- Ameren Safety ✓
- HMA/QMP Specification, IDOT Bureau of Materials, Illinois Department of Transportation ✓
- Oxcart Permit Systems & IDOT Permits, Illinois Department of Transportation ✓
- Tub Girder Bridge Project, The Will Group & Champaign County Engineer ✓

Morning Speaker: Friday 8:00 a.m.

- DeKalb County Mapping, DeKalb County Engineer ✓

Total Professional Development Hours: 7 PDHs 7

Thank you for attending the 2022 108th IACE Spring Meeting.

Amy Benecke McLaren

Amy Benecke McLaren, Peoria County Engineer
Fall & Spring Meeting Planner Committee



IACE 108th Fall Conference, October 5-7, 2022
Professional Development Hours Completion Certificate

NORMAN ETLING, received the below checked
Professional Development Hours (PDH) for a maximum of (7) PDHs for attending the

Illinois Association of County Engineers 108th Fall Conference held
at the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference
Center, East Peoria, Illinois, October 5-7, 2022.

Attendee-please check each line for the session(s) you attended and write the sum of
your PDH gained on the line below.

General Session: Thursday 9:00 a.m.–5:00 p.m.

- IDOT Local Roads, Illinois Department of Transportation ✓
- IDOT Bridge Office, Illinois Department of Transportation ✓
- IDOT Update, Illinois Department of Transportation ✓
- FHWA Update, Federal Highway Administration ✓
- Bridge Scour, Illinois Center of Transportation ✓
- Heartland Greenway CO2 ✓
- GIS Signage in Missouri, Civil Design ✓
- 2D Hydraulic Modeling, Illinois Department of Transportation ✓
- Safety Update, Federal Highway Administration ✓
- Local Roads Pavement Markings, 3M Corporation ✓

Morning Speaker: Friday 8:00 a.m.

- NACE Update, President

6 PDHs

Total Professional Development Hours: 7 PDHs

Thank you for attending the 2022 108th IACE Fall Conference.

Amy Benecke McLaren

Amy Benecke McLaren, Peoria County Engineer
Fall & Spring Conference Planning Committee Chair



Illinois Society of Professional Engineers

Certificate of Professional Development

Presented to:

Norman Etling

Date: 2/4/2022

Topic: Understanding Active and Passive Floodproofing Options for
Non-Residential Buildings in a Special Flood Hazard Area

Speaker: Bryan Christopherson, CFM, Floodproofing.com

PDHs Earned: 1.0 (ONE)

Provided by:

A handwritten signature in black ink that reads "Kim Robinson".

Kim Robinson, Executive Director

Illinois Society of Professional Engineers

100 East Washington Street

Springfield, IL 62701

217.544.7424



Illinois Society of Professional Engineers

Certificate of Professional Development

Presented to:

Norman Etling

Date: April 7, 2023

Topic: Floodway Rules and Permitting in Illinois

Speaker(s): Marilyn Sucoe, NE IL Floodplain Program Coordinator & Bill Milner, Downstate Floodway

Section Chief - IL Dept. Of Natural Resources

PDHs Earned: 1.0 (ONE)

Provided by:

A handwritten signature in black ink that reads "Kim Robinson".

Kim Robinson, Executive Director

Illinois Society of Professional Engineers

100 East Washington Street

Springfield, IL 62701

217.544.7424