



Missouri Smallflows Organization

# OUTHOUSE POST

A Quarterly Publication

Fall 2023

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## IMPORTANT DHSS UPDATE

GOVERNOR **RECOGNIZES** MISSOURI  
 MIKE PARSON SMALL FLOWS



# REGISTER NOW!

Upcoming MSO  
**CLASSES AVAILABLE**

Online Classes Available For After Work Hours!





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## WELCOME TO OUR BUSINESS PARTNER PROGRAM SUPPORTERS

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If you are interested in being a part of our Business Partner Program check out the program on our website for more information.

## INTERESTED IN MAKING YOUR COMPANY A BUSINESS PARTNER?

We appreciate all of our BPP members. This program enables you and your company to purchase exhibit space, newsletter advertising and your MSO membership all in one stop.

As a BPP, your company logo and link to your website will be on the MSO website. You have a certain number of membership slots to whom you can assign anyone. Our newsletter reaches over 400 people quarterly and the list is growing. We send our newsletter via email and mail to some patrons.

We have varying levels of sponsorships based on your need. You should check out our BPP webpage ([www.mosmallflows.org](http://www.mosmallflows.org)) for the full details.

If you would like a copy of the brochure with prices and details, you may always contact Tammy Trantham at [contact@mosmallflows.org](mailto:contact@mosmallflows.org).

Let us help you get your company name out to our membership and more. Thank you for supporting Missouri Smallflows.

## A NOTE FROM THE EXECUTIVE DIRECTOR

MSO Members,

It's been a whirlwind summer for the organization on activities and classes. Thanks to our new AmeriCorps Assistant, Cecilia Kayser, MSO has the ability to create outreach programs for youth to learn about our industry. In this newsletter, you will see an article about a successful Career Day held at the Onsite Wastewater Training Center in Springfield. We had 30 high school students participate in various activities related to the industry. Big thank you to Jeff Julien, Stewart Concrete, and Michael Bowers, Greene County Resource Management, for teaching youth and donating to the center.

MSO had a first-ever member event at a Springfield Cardinals game on September 9. Thank you to each member that came. We had great seats while we enjoyed hot dogs and brats. We hope to do this again next year.

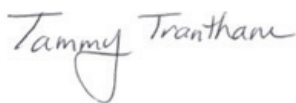
We are partnering with two other non-profit organizations near Springfield to put on a class for realtors to educate them about onsite wastewater treatment systems. See the information in the newsletter and feel free to pass along the registration information. We also plan to host another one of these events in December in the central part of the state. More information will come soon on this!

There is a bunch of information in this newsletter about becoming certified and renewing your certification. Lately, I have received many phone calls on the steps required to complete these tasks. Between DHSS and MSO, we do our best to answer your questions. However, many of your questions can be answered through looking at the DHSS website. Please read this article and see our tips to help you navigate these questions. In addition, DHSS has re-worked their website, so it is easier to navigate.

You will see some information about the 2024 MSO Conference and Trade Show in this newsletter. CEUs have been requested from DHSS but are in the process of being approved. I will post on the website when I receive this approval. However, REGISTRATION is OPEN! You can register early and save your spot. The Pre-Conference usually fills up so register early to save your seat! We'll be at the Holiday Inn Executive Center in Columbia on January 15 (Pre-Conference) through January 16-17 (Conference).

Thank you all for continuing to renew your membership throughout the year. We are working towards making this easier on our website but I appreciate your support for the organization.

Best regards,



Tammy Trantham  
Executive Director



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# Meet MSO's Americorps Assistant! Cecilia Kayser



Cecilia, a recent graduate of Missouri State with a Master's degree in Environmental Geology, discovered her passion for outdoor education while working at Outdoor Adventures during her time at the university. Her enthusiasm for imparting knowledge about the outdoors was ignited during this period. Whether it's rock climbing, biking, or running, Cecilia is drawn to any outdoor activity. As an avid environmental geologist, she possesses a profound love for the natural world. Exploring the wonders both above and below the surface brings her immense joy. Among her greatest passions is sharing her knowledge and educating others about the fascinating world around us, particularly emphasizing the significance of rocks.



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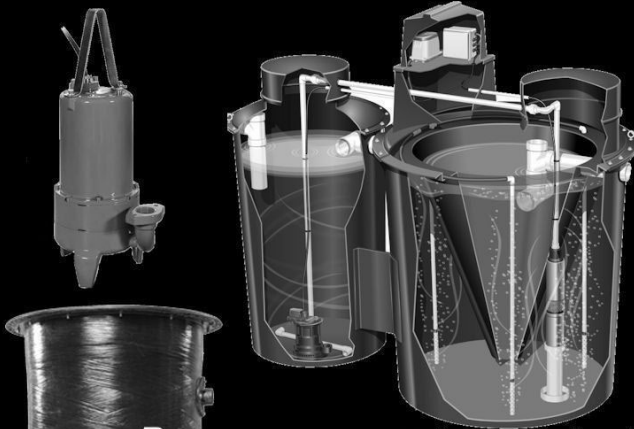
# Wastewater Solutions

Treatment

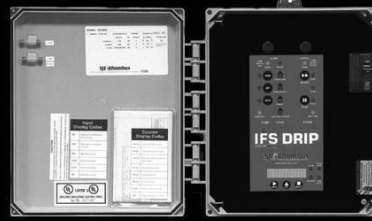
Dispersal

Storage

Pumping



Pressure Sewer Systems

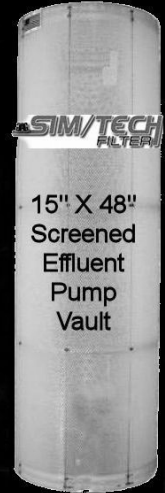


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# Missouri Smallflows Organization

## SEPTIC SMART WEEK

### ***Exploring Career Paths:*** High School Students Get Hands on Experience

By Cecilia Kayser

MSO put on a Career Day to showcase alternative career paths that may or may not require a college degree in the onsite wastewater industry. Students participated in unique activities to broaden horizons and showcase alternative career paths that don't require a college degree, our local high school recently organized a unique activity that exposed students to the world of pipe systems, sewage, and septic installation. Through a series of hands-on activities, students gained valuable insights and developed new skills while discovering the diverse and fulfilling opportunities in these fields.



### **1. Building a Pipe System:**

Students were introduced to the fundamentals of pipe systems, learning how they function in various settings.

They had the chance to design and construct a basic pipe system, under the guidance of experienced professionals. Impact: This activity not only allowed students to get their hands dirty but also fostered teamwork and problem-solving skills. They gained a deeper appreciation for the complexity of pipe systems, and many discovered a newfound interest in this field.





## 2. Soil Evaluation Lab:

In this lab, students learned how to assess soil properties and suitability for various construction purposes. They assessed the soils by looking at texture, color, and structure.

Impact: Understanding soil properties is vital for successful pipe systems, sewage, and septic installation. This activity exposed students to the scientific aspects of these careers, highlighting the significance of soil analysis in ensuring infrastructure longevity and functionality.



## 3. Land Contours and Trench Technologies

Students were taught how to use a clinometer, an essential tool in professions related to pipe systems and construction. Students were given hands-on experience in measuring slopes with a clinometer and laser elevation tools. The different types of conventional treatment methods were discussed from the trench technologies available at the training center.

Impact: By mastering this precise instrument, students realized the importance of accuracy in construction work. They also grasped the connection between elevation and effective pipe system installation, opening their eyes to potential careers where this skill is crucial.

## The Impact on These Kids:

Many students previously unaware of these non-college career paths now have a clearer picture of the opportunities available. The hands-on nature of these activities made learning engaging and memorable, and students appreciated the chance to apply theoretical knowledge in real-world scenarios.

Skill Development: Students developed valuable skills such as teamwork, problem-solving, and technical proficiency.

Career Awareness: By interacting with industry professionals, students gained insights into the diverse job roles within pipe systems, sewage, and septic installation without having to obtain a college degree.

# Realtor Workshop



**Missouri  
Smallflows  
Organization**

Greene County Onsite Wastewater Treatment System Workshop for Realtors  
Event Hosts: James River Basin Partnership, Missouri Smallflows Organization, and The Watershed

Place: Praise Assembly, 3535 N Glenstone Ave., Springfield, MO

Date: Thursday, November 9, 2023

Time: 8:00 AM – 1:00 PM

Admission: \$30 for lunch and continuing education credits

Register at: <https://www.jamesriverbasin.com/owts-workshop>

### Agenda:

Course: Onsite Wastewater Treatment System (OWTS) Inspection/Evaluation Procedure  
for Real Estate Professionals

Duration: 2.75 Hours in the Classroom + 1 Hour Field Tour = 3.75 CEC

### Agenda:

8:00 AM – 8:30 AM	Breakfast provided & Registration Check-in
8:30 AM – 9:30 AM	OWTS Assessments: Let's Begin
9:30 AM – 10:15 AM	OWTS Assessments: Continued
10:15 AM – 10:30 AM	Break
10:30 AM – 11:30 AM	OWTS Assessments: The Finish Line
11:30 AM – 11:45 AM	Travel to Training Center
11:45 AM – 12:45 PM	Tour of Onsite Wastewater Training Center
12:45 PM	Evaluations & Certificates



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## Important Updates from DHSS

Authors: Breanna Werdehausen, Missouri DHSS, and Tammy Trantham, MSO

The Onsite Wastewater Program has undergone some changes over the past 6 months and we want to make sure you are aware of a few items! Please note these important resources when you have questions on registration/licensure, CEUs or permitting.



### Installer Registration

If you are another person for your company is looking to become a registered installer, they will need to enroll in the in-person installer class and take the exam. These classes fill up approximately 2 months in advance so the earlier you can sign up the better. Paying online and returning your registration forms via email is the fastest way to enroll. Visit [health.mo.gov/onsite](http://health.mo.gov/onsite) and click on "Become Registered/Licensed" for available course dates, registration forms and link to pay online. Be sure to return your registration form via email once you have paid or you will not be registered. The Program will email you a confirmation once you are registered for a class.

When you are at the end of your 3-year period for your registration and are ready to renew, there are a few steps to do this:

1. Renewal notices are sent by mail to your last known address 60 days prior to expiration. If you do not have an accurate address at DHSS, you will not receive the form. If you are within 45 days of expiration and have not received your renewal form OR if your contact information has recently changed; contact the Program at [OWTScourses@health.mo.gov](mailto:OWTScourses@health.mo.gov).
2. Renewal fees can be paid online but the renewal form and CEU certificates must still be sent to the Program. The fastest method is to send via email to [OWTScourses@health.mo.gov](mailto:OWTScourses@health.mo.gov).
3. It takes up to 30 days for your renewal to be processed. That means if you submit your paperwork, on the last day of your certification, you may not get a recertification letter/card until a month later.
4. CEU Report: You are asked to submit your CEU certificates with your renewal. If you take MSO Seminar classes, these are automatically sent in. If you take MSO Online Classes or other classes outside of MSO, you must submit the completion certificates to DHSS. Either by email ([OWTScourses@health.mo.gov](mailto:OWTScourses@health.mo.gov)) or by mail with your renewal form.
5. NOTE: ID Cards are sent out via email for electronic cards. They are no longer sent out in physical card format. Contact DHSS for questions on this: [OWTScourses@health.mo.gov](mailto:OWTScourses@health.mo.gov).

## CEU Information

It is now the responsibility of the professional to track their own CEUs. DHSS is unable to provide reports or updates on the status of your CEUs throughout your certification period. DHSS did create an Excel spreadsheet for you to track your own CEUs. This does require Excel to run.



1. DHSS Information on CEUs: [health.mo.gov/onsite](http://health.mo.gov/onsite) click on "CEU Information"
2. Approved CEU course schedule from DHSS: <https://health.mo.gov/living/environment/onsite/pdf/CEUcoursereport.pdf>
3. MSO Seminar Course Schedule: <http://www.mosmallflows.org/seminar-classes.html>
4. MSO Online Classes: <http://www.mosmallflows.org/online-classes.html>
5. Non-Pre-approved CEUs: You must fill out the form and submit this to DHSS for consideration of CEUs. <https://health.mo.gov/living/environment/onsite/pdf/CEUApplication.pdf>

## Requirements for CEUs

<b>CEU REQUIREMENT BY LICENSE TYPE</b>		
<b>REMINDER: CEUs must be completed during the renewal period and every renewal period is 3 years. To determine if your CEUs count toward your license, determine if the course was completed within 3 years of your current expiration date.</b>		
	<b>General</b>	<b>Select</b>
<b>Basic Installer:</b>		
1st renewal (first three years after registration)	20	8
Subsequent renewals (every three year period thereafter)	8	0
<b>Advanced Installer:</b>		
<i>Advanced installers do not need to track basic CEUs</i>		
1st renewal (first three years after registration)	20	8
Subsequent renewals (every three year period thereafter)	12	8
<b>Inspector:</b>		
1st renewal (first three years after licensure)	20	8
Subsequent renewals (every three year period thereafter)	12	8
<b>Onsite Soil Evaluator:</b>		
1st renewal (first three years after registration)	20	8
Subsequent renewals (every three year period thereafter)	12	8
<b>Percolation Tester:</b>		
1st renewal (first three years after registration)	20	8
Subsequent renewals (every three year period thereafter)	8	0

## Permitting

A construction permit is required before installing or repairing most onsite wastewater treatment systems (OWTS). Some single-family residential lots may be exempt from permitting. The first step of the permitting process is to determine the agency that has permitting authority where the work is being done.



DHSS OWTS permitting falls under one of three authority types: DHSS Onsite Program, Local Authority (contract), or Local Authority via Ordinance. The application process varies by permitting authority. Work should not begin until a permit has been issued or an exemption to permitting has been confirmed by the appropriate permitting authority.

You can look up your permitting authority for the county you work in here: [health.mo.gov/onsite](http://health.mo.gov/onsite) click on "Apply for a Permit"

# RENEW YOUR MSO MEMBERSHIP!

Call or email the MSO office to check your membership status



**Membership only costs \$140 each year!**

## Thank you for supporting MSO!



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Missouri  
Smallflows  
Organization

## 2024 MSO Annual Conference & Trade Show

Holiday Inn Executive Center, Columbia, Missouri

**Monday, January 15, 2024**

### Pre-Conference Session

**Registration opens at 7:00 AM and class is from 8:00 AM to 5:00 PM**

Lunch Provided. Registration required for whole day.

### AM Session: Sand-based Treatment Systems in Missouri

Kevin Moreau, Infiltrator Water Technologies and Drew Nickoli, Eljen Corporation

### PM Session: Septic Tank Installation Tips and Proper Inspection of Tanks

Jeff Julien, Stewart Concrete; Sean Bauer, SI Precast; Curtis Cluckey, IWT; Rick Wilcockson

DHSS General CEUs: Pending Approval

**Tuesday, January 16, 2024**

**CEUs pending.**

Start	Finish	Session or Event		
7:30 AM	5:00 PM	Registration open		
<b>7:30 AM</b>	<b>9:00 AM</b>	<b>Exhibit Hall opens at 7:30 AM with HOT BREAKFAST!</b>		
9:00 AM	9:30 AM	Welcome by MSO President, Michael Bowers; Updates from Missouri DNR and DHSS		
9:30 AM	10:30 AM	Keynote Address 1: Closing America's Access Gap Community Initiative, Mark Gross		
10:30 AM	11:30 AM	Keynote Address 2: System Failure Identification, Lee Shamblin		
11:30 AM	1:00 PM	<b>Lunch in Exhibit Hall. Roe-D-Hoe Trials start.</b>		
12:15 PM	1:00 PM	<b>General Membership Meeting in Windsor III</b>		
Tracks		Installer Track	Inspector/Soils Track	General Topic
Room		Windsor I	Windsor II	Windsor III
1:00 PM	2:00 PM	Choosing the Right System for the Site Daniel Drury	Interpreting a Soils Evaluation for OWTS Installation options  Rachelle Kuster	What's my role?  Rick Wilcockson
2:00 PM	2:30 PM	<b>Break in Exhibit Hall. Roe-D-Hoe Trials</b>		



<b>MSO Annual Convention &amp; Trade Show</b>					
<b>Tuesday, January 16, 2024</b>					
CEUs pending.					
<b>Tracks</b>		<b>Installer</b>	<b>Inspector/Soils</b>	<b>General Topic</b>	
<b>Room</b>		<b>Windsor I</b>	<b>Windsor II</b>	<b>Windsor III</b>	
2:30 PM	3:30 PM	Pumps & Controls for Wastewater Treatment Mike Stephens, SCS Systems	A Day in the life of a Septic Inspector Brendan Murphy	Understanding the Variance Process Eric Folks	
3:30 PM	4:00 PM	<b>Break in Exhibit Hall. Roe-D-Hoe Trials!</b>			
4:00 PM	5:00 PM	Tank Buoyancy & Anti-Flotation Measures Kevin Moreau	What is a DHSS Real Estate Inspection? Breanna Werdehausen	Creating Systems: The Key to Limiting Liability, Increased Profits, Lower Stress and Enjoying your time off! Chris Orf	
5:00 PM	7:00 PM	<b>Membership Appreciation &amp; Roe-D-Hoe in Exhibit Hall. Come for Door Prizes!</b>			
8:00 PM	10:30 PM	<b>Evening Social at Sports Zone</b>			
<b>Wednesday, January 17, 2024</b>					
CEUs pending.					
7:30 AM	8:30 AM	<b>Hot Breakfast in Exhibit Hall!</b>			
<b>Tracks</b>		<b>Installer</b>	<b>Inspector/Soils</b>	<b>General Topic</b>	
<b>Room</b>		<b>Windsor I</b>	<b>Windsor II</b>	<b>Windsor III</b>	
8:00 AM	9:00 AM	Troubleshooting Wastewater Systems - Mike Stephens, SCS Systems	General Design for Presby Systems in Missouri Chris Nothstine	Ditchin' Ain't Easy: Making Sure Trenches are Safe Mark Woodward, MEM	
9:00 AM	9:30 AM	<b>Break in Exhibit Hall</b>			
9:30 AM	10:30 AM	Pump Selection Mark Gross	Inspections - Tools of the Trade Douglas Wade Hurrelbrink	Onsite Wastewater Safety Rick Kirkpatrick	
10:30 AM	10:45 AM	<b>Break in Parliament 1 &amp; 2</b>			
10:45 AM	11:45 AM	Consequences of Corner Cutting - What's right is right, What's wrong is wrong Nick Dykes	The History of Soil Science Michael Bowers	Focus 4 Plus 1: The 5 Most Important Excavation Jobsite Safety Concerns Mark Woodward, MEM	
11:45 AM		Conference Adjourns			

# LISTING OF MSO CLASSES

**PLEASE REGISTER AT LEAST TWO WEEKS PRIOR TO THE CLASS!**

Call our office to register at 417-631-4027

Or find the Registration Form on our website: [www.mosmallflows.org](http://www.mosmallflows.org)

<p><b>Inspecting Tanks, Lagoons &amp; LPP</b>  <b>Location: Imperial, Ganey Engineering</b>  <b>Date: October 17, 2023</b>            Full day class: 8:30 AM - 4:00 PM            DHSS General CEUs: 5.0            Select CEUs: Basic: 0, Advanced: 0, Inspector: 5, OSE: 0, Perc Tester: 0</p> <p>Member price: \$130            Non-member price: \$200</p>	<p><b>Trickling through Media Filters</b>  <b>Location: Imperial, Ganey Engineering</b>  <b>Date: October 18, 2023</b>            Full day class: 8:30 AM - 4:00 PM            CEUs: General CEUs: 6            Select: Basic: 0, Advanced: 6.0, Inspectors: 4.0, Onsite Soil Evaluators: 0, and Percolation Testers: 0</p> <p>Member price: \$130            Non-member price: \$200</p>
<p><b>Basic Soils &amp; How to Read a Soils Report</b>  <b>Location: Springfield, SI Precast</b>  <b>Date: November 1, 2023</b>            Half-day class: 8:30 AM - 2:00 PM            DHSS General CEU: 5            Select: Basic: 5, Advanced: 5, Inspector: 0, OSE: 5, Perc Tester: 2</p> <p>Member price: \$130            Non-member price: \$200</p>	<p><b>Wastewater Pathogens</b>  <b>Location: Springfield, SI Precast</b>  <b>Date: November 2, 2023</b>            Half-day class: 8:30 AM - 1:00 PM            DHSS General CEU: 4            Select: Basic: 1, Advanced: 1, Inspector: 1, OSE: 0, Perc Tester: 0            DNR CEUs: 4.0 Wastewater (Green Vouchers accepted)</p> <p>Member price: \$130            Non-member price: \$200</p>
<p><b>Aerated Treatment Units</b>  <b>Location: Jefferson City, Cole County Health Department</b>  <b>Date: November 9, 2023</b>            Full day class: 8:30 AM - 4:00 PM            General CEUs: 6            Basic Installers: 3.5, Advanced Installers: 6, Inspectors and Evaluators: 3.5, Onsite Soil Evaluators: 1.0, and Percolation Testers: 1.0</p> <p>Member price: \$130            Non-member price: \$200</p>	<p><b>Drip Irrigation</b>  <b>Location: Jefferson City, Cole County Health Department</b>  <b>Date: November 10, 2023</b>            Full day class: 8:30 AM - 4:00 PM            General CEUs = 6            Basic Installers: 3.5, Advanced Installers: 6, Inspectors and Evaluators: 6, OSE: 3.5, and Percolation Testers: 0</p> <p>Member price: \$130            Non-member price: \$200</p>

**More classes are being scheduled.**

See our online classes available on our website: [www.mosmallflows.org](http://www.mosmallflows.org)

Seminar refund policy available online

## Thank You to Governor Parson!

Governor Mike Parson recognized our industry throughout September. We appreciate the Governor taking the time to see that our industry has an integral role with the Missouri economy.

### September 10-16 – Water and Wastewater Treatment Professionals Week

Governor Mike Parson has signed a proclamation declaring Sept. 10-16, 2023, as Water and Wastewater Treatment Professionals Week in Missouri. The Governor’s proclamation recognizes the vital work that water and wastewater treatment professionals do to keep Missourians healthy and our communities strong.

The proclamation highlights the important contributions made by water and wastewater professionals to protect the public health of Missouri citizens, and improve water quality for the state’s streams, rivers and lakes. Water and Wastewater Treatment Professionals Week offers the perfect opportunity to recognize the vital role these professionals play in all of our lives.



### September 18 – 22 – Septic Smart Week

Governor Mike Parson signed the proclamation for Septic Smart Week honoring the professional of Missouri Smallflows Organization. You can see the proclamation on the Governor’s website: <https://governor.mo.gov/proclamations/septic-smart-week>

# We have something new to show the Show-Me State!

See us at this year's MEGA-Conference, co-hosted by MSO & NOWRA!  
October 30 thru November 2 in Springfield, MO.  
(If you can't wait, call today!)



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**2024 MSO Conference Registration**  
**January 15-17, 2024**  
**Holiday Inn Executive Center, Columbia**

**MSO Membership**

You must be a **current member at the date of the conference** to take advantage of membership pricing. Check your membership status by calling the MSO office or emailing our office.

\_\_\_\_\_ Individual Annual Dues (\$140)

If you would like a Company Membership for 4 or more employees call our office

**2024 Conference Registration**

**Pre-Conference, January 15: Sand-based Treatment Systems in Missouri and Septic Tank Installation, Tips and Proper Inspection of Tanks**

\_\_\_\_\_ \$165 Member    \_\_\_\_\_ \$305 Non-member (includes one-year membership)

**Conference, January 16-17**

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Register after December 30, 2023, add \$25 late fee: \_\_\_\_\_

Guest/Spouse Fee \$100: \_\_\_\_\_ Name: \_\_\_\_\_

This fee only covers events on January 16-17. **This does not include the Pre-Conference on January 15.**

\_\_\_\_\_ Yes! I would like to donate \$5 or \$\_\_\_\_\_ to the Daryel Brock Memorial Scholarship Fund.

**Total of Payment:** \_\_\_\_\_

**Registration Information**

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

Name as it would appear on name badge: \_\_\_\_\_

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

Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_ Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

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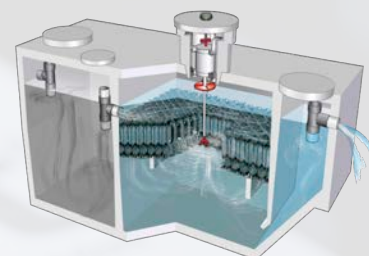
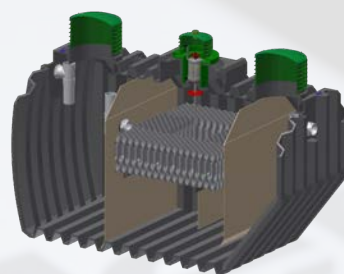
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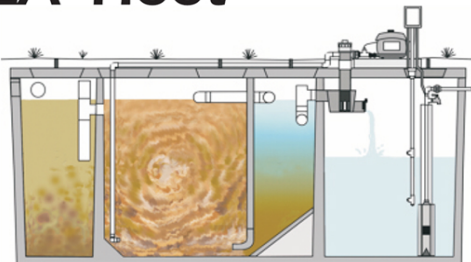
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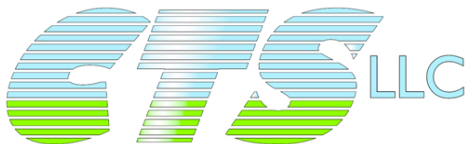


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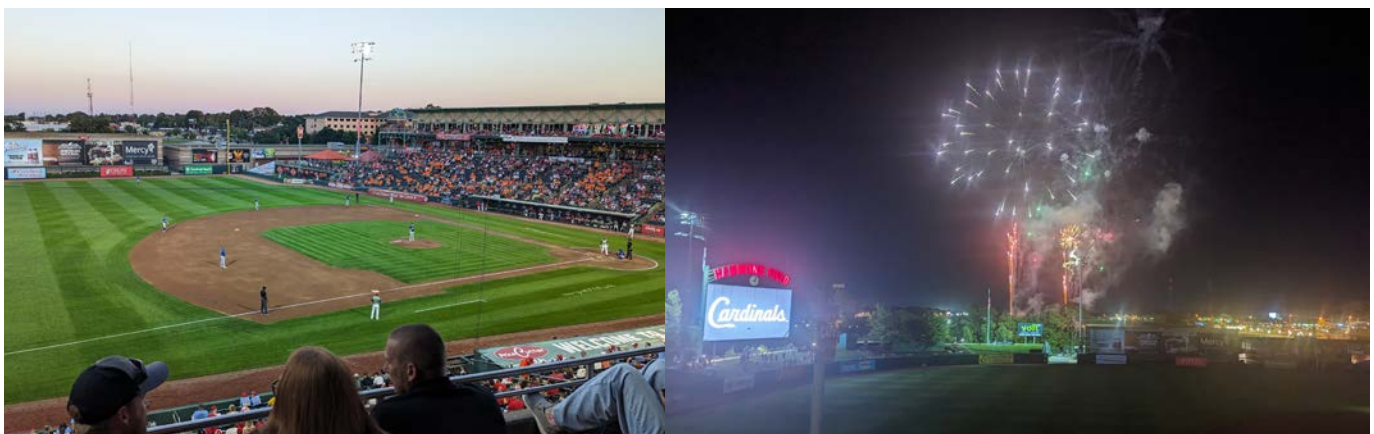
**Please contact your Local Dealer -  
Tony Champion or the Hoot Corporate  
Office for more details!**



### Cardinals Game was fun for MSO Members!

MSO had a member event on September 9 at the Springfield Cardinals Stadium. Over 20 members attended and enjoyed the Cardinals winning the game by many runs!

Our tickets included ballpark food.  
The after-game fireworks were spectacular too!  
We thank the members for attending!  
We hope to do this again next year!





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