

NOVEMBER 2023
4TH QUARTER



EXECUTIVE DIRECTOR

Charlene DeSha

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865-386-6917

WEBSITE

www.tnstormwater.org

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City of Gallatin

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CDM Smith

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Tim Ware

TNSA Regional Chairs

South East

Autumn Friday

North East

Amanda McMullen

East

Maddy Johnson

Middle

Don Green

West

Chris Masin

North West

Tom Lawrence

TNSA Times

Tennessee Stormwater Association
Quarterly Newsletter

A Message From the TNSA President

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Greetings TNSA Family,

I would like to personally thank everybody that came to our conference in October, and thank all of those who helped organize and run it. It was a great success and very well attended. The TNSA Conference is truly the professional highlight of my year and I always come away with new connections, a renewed outlook, new insights, and a restored spirit to keep our waters clean.

As we round into the end of this year, I hope everybody takes a moment to reflect on the past year and starts to think about how to make next year even better. My suggestion to make next year even better, get more involved. At the up-coming TNSA regional meetings we will be electing board members, looking to get new people onto committees, and starting to plan TNSA events for next year. This is a great time for you to get involved. Your input and your ideas are welcome and needed to keep TNSA moving forward. Please consider joining a Committee or taking on a Board Position or Volunteering to help with an event. I find that the time I spend working with TNSA comes back to me by using the knowledge and connections I get from the TNSA events to accomplish my work more efficiently. If you have any questions about how to get involved please feel free to reach out to me or Charlene or any Board Member.

Also, as we come to the end of 2023 my term as President will come to an end. As it does, I will confidently pass the torch along to current Vice President Aaron Rogge. It has been an honor and pleasure to serve last year as Vice President and this year as TNSA president. Together we have accomplished a lot and we are a strong solid group that is making a difference in our State and in the Quality of our Waters.

Sincerely,
Lance Wagner, PE, TN-QHP, CFM
Assistant City Engineer – Stormwater
City of Gallatin, TN



TNSA ANNUAL CONFERENCE DATES

OCTOBER 22-24, 2024

OCTOBER 21-23, 2025

SAVE THE DATES!

Upcoming Regional Meetings

Regional meetings are held each quarter. You do not have to be a TNSA member to attend a meeting. Region meetings are a great way to keep updated within your area and the state. Meet like-minded professionals, network, learn about statewide events and new ideas within the stormwater community.

Available agendas are posted in Club Express Document Library: <https://tnsa.clubexpress.com/>

East: Friday, December 1

Networking 8:30am, Meeting 9:00am-11:30am.

New Harvest Community Building at New Harvest Park 4775 New Harvest Lane Knoxville, TN 37918.

Speaker: Marty Mason with Superior Drainage Products

West: Tuesday, December 5 1:00pm-3:00pm

International Harvester Park 4523 Canada Rd Lakeland, TN 38002

Lunch and Learn before the meeting 12pm-1pm. RSVP to tomlawrence@bellsouth.net

Speaker: Charlie Anderson Greenrise Technologies

North West: Wednesday, December 6, 10am-1pm

Martin Public Library, 410 S Lindell St, Martin, TN 38237

Speaker: Jon Rasmussen with Flood-Con & Marty Mason with Superior Drainage Products

Lunch is included: RSVP to tomlawrence@bellsouth.net

Middle: Thursday, December 7, 10am-12pm

Williamson County Ag Expo, 4215 Long Ln, Franklin, TN

Speaker: Jon E. Rasmussen, PE, with Flood-Con

South East: December 12 10:30 am

Enterprise South Nature Park 190 South Hollow Loop Chattanooga, TN 37416

Speaker Marty Mason with Superior Drainage Products

North East: December 13. 12pm-3pm

Kingsport Water Services Operation Center 1113 Konnarock Rd, Kingsport, TN 37664

Speaker: Marty Mason with Superior Drainage Products

Lunch is include: RSVP to AmandaMcMullen@KingsportTN.gov

Region chairs are always looking speakers at the meetings. If you are interested in speaking please contact the region chairs. The chairs arrange the meetings and set the agendas.

For updated meeting information visit our website event calendar.

**** Meeting Dates/Locations are subject to change **** Email the region chair if you would like to be added to a specific region email list.

Committee Updates

Public Outreach: Creates Education Resources

Chair: Tom Lawrence, Thomas Lawrence Engineering

The HOA Brochure is at the printer and will be available for purchase soon in packs of 50.

TNSA currently sells the Homeowner Guide to Clean Water & EPA "After the Storm" brochures and TENSI the Turtle Children's Activity booklet/stickers. To purchase visit: <https://www.tnstormwater.org/ed>

Education: Manages and Creates Educational Training and Resources

Chair: Tim Gangaware, UT Water Resources Research Center

We are interested in continuing TNSA Talks this year. TNSA Talks are one hour and hosted on Zoom.

PDH's are included. Please let Charlene know if you are interested in speaking. Schedule and times are flexible.

We are also working on a combined Summit in late winter with the Floodplain Managers in Lebanon. More to come.

Committee Updates Continued...

INTERESTED IN BEING MORE INVOLVED? CONSIDER PARTICIPATING IN A COMMITTEE. POLICY, CONFERENCE, EDUCATION, COMMUNICATION, SCM AND PUBLIC OUTREACH CONTACT THE COMMITTEE CHAIR.

SCM: Standardizes Device Evaluation and Develops SCM Toolkit.

Chair: Jacob Dorman, Contech

The SCM Committee is developing a series of fact sheets for sizing SCMs under the new NPDES permit rules. Manufactured treatment devices (MTDs) are the initial focus. Final fact sheet release is anticipated by the end of year.

Communication: Goal is to work on communication within and outside of the organization

Chair: Aaron Rogge, CDM Smith

The Communications Committee is having their quarterly meeting on November 30th. Goals for 2024 include an expanded photo and video library via club express, a legislative information video, and continued assistance to committees for their messaging needs. If you are creating public-facing documents and need guidance on anything from proofreading to stock images, contact the Communications Committee. If you would like to join the committee, contact Aaron Rogge

roggea@cdmsmith.com

The videos can be found under TNSA's You Tube channel: <https://www.youtube.com/@tnsa>

Policy: Works with TDEC to share and update members on state and EPA regulations and policies.

Chair: David Mason, CDM Smith

John Chlarson with MTAS has completed the Model Ordinance for the new Small MS4 Permit. It should be available soon. MTAS and TDEC plan on holding informational meetings regarding the ordinance.

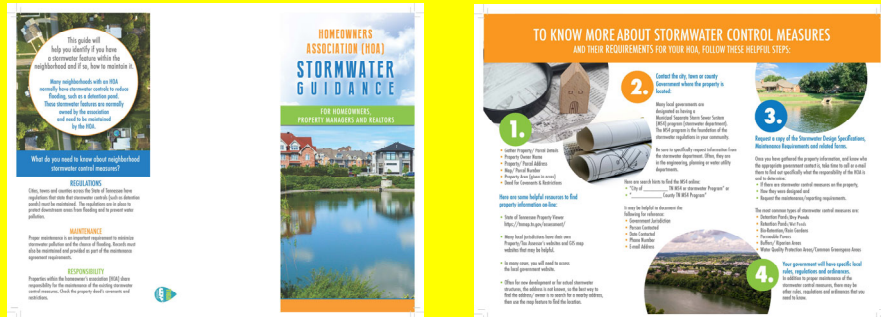
TNSA BROCHURES AVAILABLE FOR PURCHASE

New! HOA Brochure - \$10.00 per 50

Homeowners Guide - \$12.50 per 100

EPA After the Storm - \$18.00 per 100

TENS! Activity Booklets and Stickers Booklets \$30, Stickers \$5 per 50.



Brochures will be delivered at regional meetings, allow two weeks for large orders

If shipping is needed contact Charlene DeSha in order to calculate price.

Order Link: <https://www.tnstormwater.org/ed> (Credit card and checks accepted)

2023 TNSA EXEPTIONAL QUALITY AWARDS WINNERS!

The Tennessee Stormwater Association (TNSA) announces the 2023 “Exceptional Quality” Award Winners. TNSA recognizes individuals and stormwater professionals that have devoted time and energy into making TNSA a success and have accomplished great strides within the Tennessee stormwater arena.

Nominations were accepted by TNSA members and voted on by the TNSA Membership and Board Members. Winners were recognized at the TNSA Annual Conference on October 25, 2024 held at Montgomery Bell State Park.

Person of the Year: An individual who displays Exceptional dedication and commitment to TNSA.

Organization of the Year: An MS4 or other Organization that displays Exceptional stewardship of Water Quality in Tennessee and provides Exceptional education and assistance to MS4s. Individuals are not eligible for this award; only a member organization is eligible.

Dr. Bruce Tschantz Lifetime Achievement Award: TNSA’s highest honor for outstanding, longtime stormwater professionals with a minimum of 20 years of service. These individuals’ long-term contributions have made a noticeable impact on stormwater management efforts in the State of Tennessee. The board reviews nominations from the TNSA Membership and vote on the recipient.



John Chlarson with UT Municipal Technical Advisory Service, was recognized for the Dr. Bruce Tschantz Lifetime Achievement Award this year. John has over 30 years’ experience in a wide variety of engineering applications, having worked for government, industry, and private consulting. He has served as TNSA ad-hoc secretary since the formation of the association. He has worked hand in hand with TDEC as the stormwater industry has evolved. John has offered guidance, education and training to MS4 communities across the state. He sees no job as too small or too big. John has helped many small MS4s start their stormwater programs and given them a strong foundation.

Person of the Year was awarded to Aaron Rogge. Aaron works behind the scene on multiple TNSA committees. Without his selfless hard work TNSA would not be where it is today. Aaron has given of his time and talent's to TNSA serving as Communication Committee Chair as well as lead meetings for the Middle Tennessee Region. Aaron is always a smiling face and full of ideas and answers.



Organization of the year was awarded Shelby County. Shelby County has supported TNSA since it’s inception. Chris Masin has served on many committees, helped with meeting coordination and offered their services. He has a servant leadership heart. Chris has been an asset of the Conference Committee for many years. It is an honor to work with people and departments that are willing to move mountains to help others. Shelby County is a HUGE part of the TNSA family and has never been recognized. They are always on the forefront of any and all events, region meetings and more in West TN. Chris Masin has been on the TNSA Board for many years and continues to provide ongoing help to all MS4s in his region and throughout the state.



**Congratulate the winners when you see them!
2024 Nominations will open in August 2024.**

**Click link For more information and to see a list of past winners:
<https://www.tnstormwater.org/award-nomination-form>**



TCA's Annual Design Awards honor the best of the best across Tennessee's concrete industry.

This year, they have three separate categories:

Individual Recognition Awards, Project Awards and Industry Awards.

Individual Recognition Awards – honor individuals who have made significant contributions to the concrete industry in Tennessee.

Project Awards – honor leading concrete projects and designs from across Tennessee. The awards under the three broad categories: Architect/Engineer, Contractor and Ready Mix & Precast.

Industry Awards – this category is for ready mix concrete producers who are members of TCA, and includes the Emerald Award for Environmental Excellence and the Soft Side of Concrete Award.

Click here for nomination form: <https://www.tnconcrete.org/2023-design-awards>

Nomination Deadline: December 15, 2023

2023 TNSA “Back 2 Basics” CONFERENCE WAS A SUCCESS!

We are excited to announce we hosted 235 attendees this year.

Attendees enjoyed networking, sharing ideas and learning about stormwater issues within Tennessee. Our keynote speaker was Elizabeth Treadway with the WSP.

This year we started with a pre-conference Intro and Overview of TDEC Hydrologic Determination Methodology workshop on Monday. Tuesday, Wednesday and Thursday we hosted over 40 speakers. Tuesday, we held a number of panel discussions, TDEC explained the new permit and we held our annual membership meeting. Wednesday included breakout sessions all day and we held our TNSA Exceptional Quality Awards luncheon. Thursday started with Updates to the SQT and ended with TDEC Updates.

Evening activities included a showing of the Hidden Waters of the World movie sponsored by the UT Extension office. Wednesday night we held our annual outdoor social sponsored by Belgard, Roundstone Native Seed and Terrain Civil with DJ and dancing.

Mark your calendars; we have already set the dates for next year, October 22-24, 2024 at Montgomery Bell State Park. Pre-conference workshop will be Monday, October 21.

Lodge reservations are open, use group code 2544. by calling 615-797-3101 and dial 0.

Website: <https://www.tnstormwater.org/tnsa-conference>



The Tennessee Stormwater Association is Tennessee's premier membership organization for stormwater professionals.

TNSA's mission is to assist members with their local efforts to comply with State and Federal clean water laws; including stormwater regulations through EPA and TDEC (Tennessee Department of Environment and Conservation).

TNSA's goal is to protect and improve the quality of the waters of Tennessee through the exchange of information and knowledge regarding design, construction, maintenance, administration and operation of stormwater facilities.

NATIONAL STORMWATER DAY ANNOUNCED NOVEMBER 16

SPRINGFIELD, VA — October 18, 2023 — The National Municipal Stormwater Alliance (NMSA; Springfield, Va.) has established November 16 as “National Stormwater Day.” This date commemorates November 16, 1990, when the National Pollutant Discharge Elimination System Phase I Municipal Separate Storm Sewer System (MS4) program was promulgated in the Federal Register. Since 1990, thousands of communities, along with qualifying institutions and other entities, have developed MS4 programs and implemented millions of stormwater control measures collectively to address urban runoff pollution.

“A central mission of NMSA is to raise public awareness of the stormwater sector and increase the level of understanding of stormwater as a resource,” said NMSA Chair Scott Taylor. “We felt that a good way to meet this mission was to establish a day of recognition of stormwater and the MS4 program.”

National Stormwater Day not only recognizes the establishment of the MS4 program, but also celebrates and highlights the many efforts around the country to increase the awareness of stormwater. States such as California, Wisconsin and Ohio have established stormwater awareness weeks while jurisdictions such as St. Cloud Florida and Omaha Nebraska have also joined in the overall effort to raise the profile of stormwater. These examples highlight the organic and nation-wide desire to raise the issue of stormwater management.

“When you look across the country, you see hundreds or even thousands of examples of community-based programs to engage with the public on the significance of stormwater management,” said NMSA Executive Director Seth Brown. “School curriculum in many areas now includes information on watersheds and the impacts of urbanization. With these grass-roots efforts occurring, it is only fitting that a national recognition be made to mirror the great work happening at the local level.”

The National Municipal Stormwater Alliance (NMSA) is a 501(c)(3) devoted to supporting Municipal Separate Storm Sewer System (MS4) permittees. The organization is an alliance of state and regional groups made up of MS4 permittees and focused specifically on MS4 issues. NMSA’s vision is to help communities tackle stormwater challenges to provide clean water for the nation.

nationalstormwateralliance.org
ms4nmsa.org
[linkedin.com/company/nmsa](https://www.linkedin.com/company/nmsa)

12th ANNUAL



& WATER QUALITY FESTIVAL

Registration and Festival begin at 6:30 AM
Race starts at 7:30 Am
Saturday, July 27, 2024
Shelby Bottoms Park 1900 Davidson St. Nashville, TN
For more information and to register visit our website
<https://www.tnstormwater.org/urban-runoff-5k>



URBAN RUNOFF 5K JULY 27, 2024

5K & Water Quality Festival

WQ Booths and Sponsorships
Available

Click below for more information:
<https://www.tnstormwater.org/urban-runoff-5k>

Contact Charlene DeSha with any questions
charlene@tnstormwater.org
865-386-6917

TDEC ANNOUNCES ADDITIONAL \$63 MILLION IN WATER INFRASTRUCTURE IMPROVEMENTS

The Tennessee Department of Environment and Conservation (TDEC) today announced 20 grants totaling \$63,888,650 from the state’s American Rescue Plan (ARP) fund, part of which TDEC is administering in the form of drinking water, wastewater, and stormwater infrastructure grants. Since August 2022, TDEC has awarded and announced \$996 million in executed grant funds representing every county and 248 cities through ARP programming, and today’s announced grants mark the conclusion of the award phase of the non-competitive grant program.

Of the 20 grants announced today, two are collaborative grants and 18 are non-collaborative grants. Collaborative grants involve multiple entities (cities, counties, or water utilities) partnering on projects to work toward a shared purpose. The non-competitive grant program will fund a total of 266 non-collaborative grants and 71 collaborative grants. The non-competitive grant program has been a success, funding over 1,000 individual drinking water, wastewater, and/or stormwater infrastructure projects.

Tennessee received \$3.725 billion from the ARP, and the state’s Financial Stimulus Accountability Group dedicated \$1.35 billion of those funds to TDEC to support water projects in communities throughout Tennessee. Of the \$1.35 billion, approximately \$1 billion was designated for non-competitive formula-based grants offered to counties and eligible cities to address systems’ critical needs. The remaining funds will go to state-initiated projects and competitive grants.

“We commend the communities who have gone through the application process and acquired these grants,” Gov. Bill Lee said. “The grants are funding important water infrastructure across our state, and we look forward to the improvements this process will bring.”

“More than ever, infrastructure is critically important to our local communities,” said Lt. Gov. Randy McNally, R-Oak Ridge. “This money will allow cities and towns to address deficiencies and make improvements that will pay dividends not just in the present but in the years to come as well. I greatly appreciate the work of the governor and my colleagues on the Fiscal Accountability Group for their work in making sure these funds were spent appropriately and efficiently.”

“We continue experiencing considerable growth across the state, and many of our communities require additional resources to address their evolving needs,” said Speaker of the House Cameron Sexton, R-Crossville. “These grants will play a major role in ensuring cities and towns have access to infrastructure solutions that will enable them to continue thriving so Tennessee remains a preferred destination for both businesses and families.”

“We expect excellent results from these grants,” said TDEC Commissioner David Salyers. “Communities across our state are receiving the assistance they need to address water infrastructure challenges. We at TDEC are glad we could play a part in this process.”

Collaborative Grants

Cannon County - \$3,872,667	Wilson County - \$4,579,698
<u>Non-Collaborative Grants</u>	
City of Celina – \$2,799,778	Town of Centerville – \$4,184,311
Cheatham County – \$3,509,260	City of Cleveland – \$5,398,162
City of Collinwood – \$3,177,237	DeKalb County – \$3,030,767
City of Franklin – \$4,679,357	City of Greenfield – \$1,476,684
Hawkins County – \$4,865,481	City of Kenton – \$695,156
Town of LaGrange – \$300,000	City of Luttrell – \$1,885,725
City of McKenzie – \$1,417,356	Monroe County – \$3,721,352
City of Puryear – \$1,073,217	Shelby County – \$9,377,944
Trousdale County – \$2,984,908	City of Waynesboro – \$859,583

For a detailed list of projects click here: <https://www.tn.gov/environment/news/2023/9/12/-63-million-water-infrastructure-improvements.html>



Tennessee Stormwater Association
P.O. Box 6550, Maryville, TN 37802
865-386-6917
Charlene@tnstormwater.org

TDEC UPDATES

Municipal Stormwater

[0400-40-05 0400-40-10 amendments 2023-10 finalized approved-signed.pdf \(tn.gov\)](#)

On October 17, 2023, the Tennessee Board of Water Quality, Oil and Gas Board adopted **Rules Chapters 5 and 10** amendments

The amended Rules are not final yet. The Division is waiting for them to go through the required administrative review, the Attorney General Office's review and the 90-day filing with the Secretary of State. You can access past Board meeting documents online at [Tennessee Board of Water Quality, Oil & Gas \(tn.gov\)](#)

UT Municipal Technical Advisory Service (MTAS)

You can access a copy of MTAS' draft 2023 MTAS Model Stormwater Ordinance online at <https://www.mtas.tennessee.edu/node/2045332>

U.S. Environmental Protection Agency (EPA)

Updated EPA Stormwater Phase II Final Rule Fact Sheet Series – August 2023

EPA's updated Fact Sheets are available online at <https://www.epa.gov/npdes/stormwater-phase-ii-final-rule-fact-sheet-series>

EPA Stormwater Smart Outreach Tools

EPA has developed a collection of communication tools you can use to promote the value of sound stormwater management for creating a community where your residents want to live and work. You can access the tools online at [Stormwater Smart Outreach Tools | US EPA](#)

Construction Stormwater

Tennessee Erosion Prevention and Sediment Control Training Program for Construction Sites

<https://tnepsc.org/index.asp?vp=1>

Level 1 - Fundamentals of Erosion Prevention and Sediment Control for Construction Sites

Check back later for additional classes at <https://tnepsc.org/Level1CompA.asp?tab=3>

Level 1 - **Recertification** Fundamentals of Erosion Prevention and Sediment Control for Construction Sites

Online certification is open - [Level 1 Recertification - Online Video Course Instructions](#)

In Person Training Schedule:

December 14, 2023 - Nashville - Southern Company, 2451 Atrium Way, Nashville, TN

(See <https://tnepsc.org/Level1CompR.asp?tab=3> for more details.)

Level 2 - Fundamentals of Erosion Prevention and Sediment Control for Construction Sites

In Person Training Schedule:

- January 16 & 17, 2024 - Nashville - Southern Company, 2451 Atrium Way, Nashville, TN
(See <https://tnepsc.org/Level2CompA.asp?tab=3> for more details)

Level 2 - **Recertification** Fundamentals of Erosion Prevention and Sediment Control for Construction Sites

Online (Zoom) Training Schedule

- January 19, 2024 - Zoom - 8am CENTRAL TIME
(See <https://tnepsc.org/Level2CompR.asp?tab=1> for more details)
(Level 2 Recertification Registration go to <https://tnepsc.org/Level2CompR.asp?tab=2>)



UTC ENVIRONMENTAL RESEARCH RECEIVES EPA GRANT

August 3, 2023—UTC Communications and Marketing

“Microplastics Sampling for Stormwater Management,” a research project being conducted at the University of Tennessee at Chattanooga, has been awarded a \$25,000 grant from the U.S. Environmental Protection Agency’s People, Prosperity, and the Planet (P3) program.

Student teams from 21 colleges across the country received Phase I grants. The monetary award will help the teams further develop the concept for their proposed projects and make them eligible to compete for a Phase II grant of up to \$100,000 to continue their research.

The UTC team is led by Dr. Jejal-Reddy Bathi, assistant professor in civil engineering and coordinator of environmental engineering at the University.

Microplastics found in stormwater runoff can be difficult from a research point of view and also expensive for cities to control, Bathi explained. He said the research at UTC hopes to develop equipment that will reduce the technical and cost resources needed to deal with the problem.

“The simplicity and lower costs of utilizing this sampling device are expected to encourage communities to track and mitigate emerging microplastics pollution, thereby protecting public health and maintaining sustainable urban water resources,” he said. The project is expected to include students from several departments at UTC, one of the goals of the EPA P3 program.

Now in its 20th year, the program “recognizes the power of students to translate imagination and science into new solutions that protect human health and the environment,” said Chris Frey, assistant administrator for the EPA’s Office of Research and Development.

For more information, visit the EPA P3 website: <https://www.epa.gov/P3>



EPA’s NEW BIORETENTION DESIGN HANDBOOK

EPA is pleased to announce the release of the Bioretention Design Handbook. The handbook was developed to inform practitioners about the latest approaches and lessons learned for bioretention design, construction, inspection, and operation and maintenance.

The handbook contains a compilation of the current state of knowledge from published literature, interviews, and site visits with leading municipalities and practitioners across the United States. A unique feature includes the numerous photographs of bioretention facilities from more than 20 municipalities across the contiguous United States that showcase a diversity of design techniques.

The handbook can be found on the EPA’s Office of Wetlands, Oceans and Watersheds, Nonpoint Source Programs webpage here: <https://www.epa.gov/nps/urban-runoff-low-impact-development>
Enjoy this new EPA Resource. Please share this visually compelling resource with anyone interested in stormwater management!