

Tennessee Stormwater Association



TNSA TIMES MARCH 2026

Tennessee's Premiere Organization
for Stormwater Professionals

A Message from the TNSA President

Happy New Year, Tennessee Stormwater Community,

It is hard to believe we are already in the middle of February. This year seems to be following the recent trend of flying by. From heavy snow to ice, winter has certainly made its presence felt across the state. Our thoughts are with those who were severely impacted by the recent winter storms, and we are grateful for the dedicated electrical line crews, snowplow operators, and utility crews who worked tirelessly to restore essential services.

Despite the weather, the TNSA team has been hard at work preparing for Confluence: A Stormwater and Floodplain Summit on February 18, 2026, in Franklin. It was a great event and it was nice to seeing many of you there for an impactful day of collaboration with our peers from the Tennessee Association of Floodplain Management.

The TNSA Board also met this February on the 17th. We look forward to sharing the outcomes of that meeting in our next newsletter and at the upcoming Region meetings, which are scheduled to kick off soon.

As we look toward spring, we hope the only "March Madness" we see is on the basketball court. However, history suggests we must remain vigilant. Now is the time to keep a weather eye on the horizon, review your SOPs, and ensure your stormwater infrastructure is fully prepared for spring rains. It will be a busy season for TNSA members, so please check the website calendar and consider "saying yes" to volunteering or attending our scheduled events.

Finally, I'd like to remind you that TNSA is only as strong as its members. Your participation—whether in a committee or a leadership role—strengthens our entire professional network. I encourage you to get involved and share your experiences to help us drive innovation in stormwater awareness and management across the state.

Until we meet again,

Will Stallard
TNSA President
City of Kingsport



Find us on:
facebook®



EXECUTIVE DIRECTOR

Charlene DeSha

Charlene@tnstormwater.org

865-386-6917

WEBSITE

www.tnstormwater.org

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.

QUARTERLY REGION 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.

Region chairs are always looking speakers at the meetings. If you are interested in speaking; please contact the region chair.

The chairs arrange the meetings and set the agendas.

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

If agendas were provided before the meeting they will be uploaded to the Club Express document library under Region Meetings.

West Region Chair: Chris Masin, Chris.Masin@shelbycountyttn.gov

March 3: City of Lakeland 10001 US Hwy 70 Lakeland, TN 38002 Conf. Room A

TNSA Meeting Time: 1pm-3pm

2026 Dates: June 2, Sept 1, Dec 1

North West Region Chair: Tom Lawrence, tomlawrence@bellsouth.net

March 4: City of Brownsville, City Hall 15 E Main St, Brownsville, TN 38012

Time: 11am. Lunch Provided RSVP Required by Monday 3/2 to cpotter@brownsvilletn.gov

Speaker: Christine Guy-Baker with CEC

Title: TDEC on Development of Guidelines for the Design of Extended Detention Ponds

2026 Dates: June 3, Sept 2, Dec 2

Middle Region Chair: Don Green, biogreen1@comcast.net

March 5: CEC 117 Seaboard Ln Suite E-100, Franklin, TN 37067

Time: 10am - 2 Speakers this month!

Speaker: Christine Guy-Baker with CEC

Title: TDEC on Development of Guidelines for the Design of Extended Detention Ponds

Speaker: Hannah Riether with TDEC

Title: CGP Updates

2026 Dates: June 4, Sept 3, Dec 3

East Region Chair: Josh Clemens, joshua.clemens@adspipe.com

March 6: EnSafe 308 N Peters Rd STE 200, Knoxville, TN 37922

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

2026 Dates: June 5, Sept 11, Dec 4

South East Region Chair: Erik Hancock, ehancock@chattanooga.gov

March 10: Greenway Farm Conference Center 4960 Gann Store Road, Hixson TN 37343

Time: 11am-12:30pm

RSVP Required by Friday, 3/6 to ehancock@chattanooga.gov

Speaker: Glen Payton with Contech Title: FLIP THE SCRIPT on your stormwater hybrid treatment train!

This discussion will illustrate how high flow biofilter designs can be more effective, less costly and offer greater design flexibility than legacy hybrid treatment train designs hydrodynamic separator to Dry Extended Detention Ponds.

2026 Dates: June 9, Sept 8, Dec 8

North East Region Chair: Amanda McMullen, AmandaMcMullen@KingsportTN.gov

March 12: Kingsport Water Services Center 1113 Konnarock Rd Kingsport 37664

Time: Lunch and Learn 12pm. TNSA Meeting 1pm

RSVP Required by Monday, 3/10 to AmandaMcMullen@KingsportTN.gov

Speaker: Glen Payton with Contech Title: FLIP THE SCRIPT on your stormwater hybrid treatment train!

This discussion will illustrate how high flow biofilter designs can be more effective, less costly and offer greater design flexibility than legacy hybrid treatment train designs hydrodynamic separator to Dry Extended Detention Ponds.

2026 Dates: June 11, Sept 10, Dec 10

TNSA BROCHURES AVAILABLE FOR PURCHASE & DELIVERED AT REGION MEETINGS

Small orders need to be submitted at least 1 week before delivery

Large orders need to be submitted 1 month before delivery

HOA Brochure - \$10.00 per 50 Homeowners Guide - \$15.00 per 100 EPA After the Storm - \$18.00 per 100

TENSI Activity Booklets and Stickers Booklets \$30, Stickers \$5

Order Link: <https://www.tnstormwater.org/ed>

TNSA TN AFPM CONFLUENCE: A Stormwater and Floodplain Summit

Thank you to those who supported and participated with the second Confluence Summit on February 18 in Franklin at the Williamson County Expo Center. We had a record number of attendees this year, 155!

The Summit is a partnership event presented by the Tennessee Association of Floodplain Management and the Tennessee Stormwater Association. Our goal is to bring together floodplain and stormwater professionals in order to create a better understanding of the permit responsibilities and how they can work together in the future.

Attendees enjoyed networking, sharing ideas and learning how stormwater and floodplain can work together.

The event started with a welcome address from Cindy Popplewell with the TN AFPM, then we moved on to legislative updates. Denice Johns with Metro Water Services sharing tracking methods for the NFIP Community Rating System Program and Christina Phillips with CDM Smith educated us about using the BCA as a planning tool. We ended with updates about the National Municipal Stormwater Association/ SESWA and problem-solving scenarios. Will Stallard, the new TNSA board president, sent us off with some final thoughts and a big Thank you for attending.

Keep an eye out for next year's event date. If you are interested in participating please contact Charlene DeSha, 865-386-6917 charlene@tnstormwater.org or Cindy Popplewell, 615-333-0630 cindy.popplewell@wsp.com.

We look forward to working with you in the future and thanks again for your support!

THANK YOU TO OUR 2026 SPONSORS





Springfield Clean Water Expo

Tennessee's Premiere Organization
for Stormwater Professionals

Wednesday, April 15, 2026
The Center, Springfield
Registration \$75
5 PDHs and Lunch Included

Attend the 2026 TNSA Springfield Clean Water Expo on April 15, 2026 to gain exposure to innovative research being performed on commonly employed construction site erosion and sediment control practices with hands-on field demonstrations. The field instructional session will be held in Springfield and will provide attendees with an opportunity to learn proper design and installation techniques on various erosion and sediment controls to achieve improved performance & compliance.



LEARN MORE AND REGISTER AT www.tnstormwater.org/ecd

Contact Charlene Desha at Charlene@tnstormwater.org or 865-386-6917 for sponsorship and exhibitor opportunities



Mid-South Clean Water Expo

Tennessee's Premiere Organization
for Stormwater Professionals

Wednesday, May 13, 2026
Shelby Farms Park, Memphis
Registration \$75
5 PDHs and Lunch Included

Attend the 2026 TNSA Mid-South Clean Water Expo on May 13, 2026 to gain exposure to innovative research being performed on commonly employed construction site erosion and sediment control practices with hands-on field demonstrations. The field instructional session will be held at Shelby Farms Park and will provide attendees with an opportunity to learn proper design and installation techniques on various erosion and sediment controls to achieve improved performance & compliance.



LEARN MORE AND REGISTER AT www.tnstormwater.org/mscwe

Contact Charlene Desha at Charlene@tnstormwater.org or 865-386-6917 for sponsorship and exhibitor opportunities

**We are excited to announce two opportunities to attend and sponsor the Clean Water Expo this year!
Wednesday, April 15 and Wednesday, May 13.**

The April 15 event will take place at the in Springfield, TN. This is the first time this event will be held in the middle region. Website: <https://www.tnstormwater.org/ecd>

The second event is May 13 in Memphis, TN. This is our fourth year in the West Region.
Website: <https://www.tnstormwater.org/mscwe>

Attend the 2026 Clean Water Expo to gain exposure to innovative research being performed on commonly employed construction site erosion and sediment control practices with hands-on field demonstrations. This day-long workshop will begin with speaker sessions about industry regulations and trends.

After lunch we will head outside for demonstrations of SCM's led by experts eager to answer questions and share their knowledge.

Feel free to share this email and information with your colleagues and employees.
5 PDHs and lunch provided.

Registration fee: \$75

**Interested in sponsoring, exhibiting or providing an on-site demonstration at the event?
We have several options available. Please see the attached sponsorship information.
Contact Charlene DeSha about discount opportunities for supporting both events.**

TNSA COMMITTEE UPDATES

Conference: Coordinates the Annual Conference

Chair: Amy Hathaway, Ardurra

This year's theme is "**Ridges to Rivers**" with an intention to focus some elements of our conference on the ecological diversity and resilience of our Tennessee mountains with this year's conference hosted in Gatlinburg.

The conference committee is developing plans to include a pre-conference field tour in the Great Smoky Mountain National Park in addition to a fantastic conference agenda.

The conference is a valuable opportunity to share lessons learned and showcase projects and programs from across the state.

Call for abstracts is open! Click [HERE](#) to submit

We are seeking abstracts from all TNSA regions and from communities of all sizes. Please begin considering a topic your community could present. **Abstracts are due by June 1.** We are looking for abstracts on the following topics:

- Climate Change and Resilience
- Community Case Studies
- Digital Tools and Technology
- Disaster Response and Recovery
- Ecology and Nature Based Solutions
- Emerging Contaminants
- Funding and Financial Strategies
- Interagency Coordination
- Public Participation and Involvement
- Regulatory Compliance
- Watershed Planning

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

Please contact Amy at ahathaway@ardurra.com if you have questions.

2026 TNSA ANNUAL CONFERENCE

November 3-5, 2026

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

The Park Vista Hotel

705 Cherokee Orchard Rd, Gatlinburg, TN 37738

Pre-Conference Workshop Monday, November 2

Room Reservations are Open to Book

Registration Opens April 2026

ABSTRACTS DUE JUNE 1

TNSA COMMITTEE UPDATES (Continued)

SCM: Standardizes Device Evaluation and Develops SCM Toolkit.

Email: dstayer@stormtrap.com

Chair: Dana Stayer, StormTrap

- Discussing a new sheet on how to calculate the WQTV.
- Working with TDEC to come up with standards on how extended detention meets the 80% reduction standard. Also discussed automated outlet structures and underground detentions. The Committee is working on a presentation for this topic.

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

Email: roggea@cdmsmith.com

Chair: Aaron Rogge, CDM Smith

No updates at this time.

Please contact Charlene DeSha or Aaron Rogge with any new bills or policies that affect our members.

Public Outreach: Working to create education resources for MS4's and TNSA members

Email: tomlawrence@bellsouth.net

Chair: Tom Lawrence, Thomas Lawrence Engineering

You can purchase pre-printed brochures here: <https://www.tnstormwater.org/ed>

We currently have 3 brochures, a children's activity booklet and stickers.

For additional brochures you can print yourself, visit the Club Express document library.

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

Email: roggea@cdmsmith.com

Chair: Aaron Rogge, CDM Smith

The committee discussed how to support other committees, TNSA Social media posts, TNSA Communication policy and the TNSA Times Newsletter articles.

Next Meeting: April 6, 12pm eastern time on Zoom.

Education: Manages and Creates Educational Training and Resources

Email: gangwrrc@utk.edu

Chair: Tim Gangaware, UT Water Resources Research Center

- Committee will be working on getting universities on board with Level 1 training.
- Looking for TNSA talk topics. TNSA Talks are free 1 hour Zoom education opportunities. Contact Charlene DeSha if you would like to host a TNSA Talk or would like for us to provide a needed topic.
- Look for a survey from the committee so we can explore future education needs.

Welcome NEW TNSA board Members and Executive Committee Members

Welcome our new Vice-President Christine Guy-Baker with CEC and board Secretary Joshua Frerichs with the City of Knoxville.

Additional New Board Members

Mario Forgione with Williamson County, Chad Gurien with the City of Union City, Dr. Anne Wester with CDM Smith, Dane Williams with the City of Chattanooga.

TDEC UPDATES

Construction Stormwater Permit

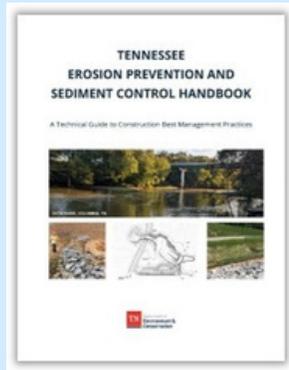
The Tennessee NPDES General Permit for Discharges of Stormwater Associated with Construction Activities (CGP) expires September 30, 2026. TDEC is drafting the 2026 CGP and hopes to place it on public notice soon. You can check for upcoming water notices and hearings on TDEC's website [HERE](#)

Erosion Prevention and Sediment Control (EPSC) Handbook

Release of the 2026 EPSC Handbook: Link [HERE](#)

Effective January 9, 2026

A Technical Guide to Construction Best Management Practices



Tennessee Construction General Permit Inspector Training

Watch training offered by TDEC for inspectors of sites permitted under the General Permit for Discharges of Stormwater Associated with Construction Activities [HERE](#).



SAVE THE DATE

The Tennessee Wildlife Resources Agency invites all nature enthusiasts, from professionals to back yard wildlife watchers, to the second annual Tennessee Biodiversity Summit. This event celebrates the actions taking place for the betterment and longevity of Tennessee's species. This year's theme is *Moving the Needle*.

OCTOBER 21, 2026



MIDDLE TENNESSEE
STATE UNIVERSITY
STUDENT UNION



TNSA BOARD OF DIRECTORS

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Jennifer Stone, CONSOR
Dr. Anne Wester, CDM Smith
Jim Whitbeck, City of Morristown
Dane Williams, South East

Comprehensive Stormwater Management Resources

Funding Foundations for Comprehensive Stormwater Management in Tennessee is a broad assessment led by Dr. Janey Camp of the University of Memphis, conducted in partnership with the Tennessee Department of Environment and Conservation (TDEC), to evaluate how the Clean Water Act State Revolving Fund (CWSRF) and other funding mechanisms can be more effectively leveraged to advance comprehensive stormwater management in Tennessee.

Drawing on interviews with program managers in 10 states, stakeholder engagement across Tennessee, and analysis of funding pathways and case studies, the project identifies best practices for integrating flood mitigation and water quality goals, expanding financing options, and strengthening local capacity—providing a strategic foundation for resilient, holistic stormwater management statewide.

These resources have been uploaded to the Club Express Document Library and are available for you to access. Resources include case studies and presentation slides from a consultant workshop. Click [HERE](#) for the TNSA Document Library, resources are located under: CSM Resources

Stopping sediment pollution and protecting infrastructure through innovative bio-engineering

Case Study:
Mansker Creek Bank Stabilization

Nashville, Tennessee

Funding sources

\$259K

Metro Water Services (MWS)
in Nashville, TN.
Stormwater Capital Funds

\$100K

TN Department of Agriculture
319 Program
Reimbursement

\$150K

NRCS Emergency Watershed Protection
Grant reimbursement program

~\$509K Total

Issues addressed

- Severe bank erosion:** Eroding banks causing hundreds of pounds of sediment to flow downstream
- Sediment pollution:** One of the largest sources of sediment pollution in streams, impairing aquatic habitat
- Threatened public infrastructure:** Erosion threatening the greenway, telecommunications lines, and sanitary sewer main
- Aquatic habitat degradation:** Sediment impacting downstream water quality and habitat

Solutions

- Stream bank stabilization:** 320 linear feet of Mansker Creek stabilized
- Bio-engineering products:** Articulated concrete blocks providing hard-armor while allowing vegetation growth
- Vegetation integration:** Plants growing within concrete blocks to filter stormwater runoff and slow fast-flowing waters
- Sediment deposition channel:** Small channel at bottom of banks designed to allow natural sediment and gravel deposition over time for long-term stabilization
- Erosion control during construction:** Special measures to separate flowing creek waters from construction work
- Bank reconstruction:** Hundreds of tons of soil and rock hauled in to rebuild stream banks

Timeline

Phase I

- 2017 **Project initiation with topographic survey and failure mechanism analysis**
- 2017 - 2018 **Design and permitting by KCI Technologies**
- 2018-2019 **Construction of 250 linear feet of bank stabilization**
- 2019 **Phase I completion (prevented ~50 tons/year sediment)**

Phase II

2019-2020 **Planning for continuation and green infrastructure**

Metro Water Services Project:

2021 **Additional 320 linear feet of bank stabilization using articulated concrete blocks to protect public infrastructure**

Current Status

- ◆ Vegetation established and growing within articulated concrete blocks
- ◆ Banks stabilized and filtering stormwater runoff
- ◆ Infrastructure (greenway, telecommunications, sewer main) protected
- ◆ Sediment deposition occurring as designed for long-term stability

Stakeholder engagement

- ◆ **Multi-Agency/Organization Partnership:** Collaboration between Metro Water Services, Cumberland River Compact, City of Goodlettsville (co-funding partner through TN Department of Agriculture's 319 Grant Program), and federal/state agencies (USDA NRCS, Tennessee Department of Agriculture).
- ◆ **Engineering and Technical Collaboration:** Partnership with KCI Technologies and other engineering consultants (Collier Engineering, Civil & Environmental Consultants Inc., OHM, Walker) for restoration design and construction oversight.
- ◆ **Community Integration:** The project focused on Moss Wright Park in Goodlettsville, a well-known and well-loved community space, protecting the greenway that borders the creek and ensuring safer access for park visitors.

Future plans

- > Ongoing vegetation maintenance and monitoring
- > Long-term monitoring of sediment deposition and bank stability
- > Assessment of water quality improvements in Mansker Creek

Parties involved

Grant/Funding Recipient:

- Metro Water Services (Stormwater NPDES Program)

Other Involved Parties:

- Cumberland River Compact
- USDA Natural Resources Conservation Service (NRCS)
- Tennessee Department of Agriculture
- Private Sector Groups
 - Collier Engineering
 - Civil & Environmental Consultants Inc. (CEC)
 - OHM
 - Walker Building Group, LLC

Acknowledgements: This case study was developed by J. Pickering, J. Camp, and P. Reyes-Garcia at the University of Memphis with funding from ARP.

TN Stormwater Management Training Schedule Spring 2026

TNEPSC Level 1

March 4, 2026: Nashville- Southwestern Travel, 2451 Atrium Way, Nashville, TN

March 25, 2026: Knoxville-Rothchilds Catering Center, 8807 Kingston Pike, Knoxville, TN

May 19, 2026: Memphis- Holiday Inn Suites-Wolfchase Galleria, 2751 New Brunswick Road

Level 2 Design

April 28 & 29, 2026: Knoxville- Rothchild's Catering and Convention Center, 8700 Kingston Pike

May 28 & 29, 2026: Nashville - Southern Company, 2451 Atrium Way, Nashville, TN

Level 2 Design Recertification

May 20, 2026: Zoom

SCM Inspection & Maintenance

April 9-10, 2026: Zoom

TN Hydrologic Determination Course

April 20-23, 2026: Burns - Montgomery Bell State Park, 1020 Jackson Hill Road - CLOSED

August 10-13, 2026: Burns - Montgomery Bell State Park, 1020 Jackson Hill Road

TN Hydrologic Determination Refresher

April 14, 2026: DoubleTree Hotel Oak Ridge- 215 S Illinois Ave

May 12, 2026: Burns - Montgomery Bell State Park, 1020 Jackson Hill Road

August 19, 2026: Burns Montgomery Bell State Park, 1020 Jackson Hill Road

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

TN Hydrologic Determination Link: <https://tnhdt.org/Index.asp>



2026 STORMWATER AND ENVIRONMENTAL CONFERENCES

Confluence Summit, February 18, Franklin

Tennessee Geographic Information Council Annual Conference

April 14-16, Franklin

TN Section American Water Resources Symposium April 15-17, Montgomery Bell

TN Environmental Network Show of the South, May 13-15, Chattanooga

TN Municipal League Conference, July 9-13, Kingsport

TN Association of Floodplain Management, August 19-21, Pickwick State Park

TN Sustainability Conference, August 19-21, Gatlinburg

TNSA Annual Conference, November 3-5, Gatlinburg



AUGUST 1, 2026

Shelby Bottoms Park and Greenway, 1900 Davidson St. Nashville, TN 37206

Start Time: 5 km Run/Walk: 7:30 AM

Chip-Timed Registration Fee: \$40

Registration includes t-shirt, swag bag and participation medal.

Register at tnstormwater.org/urban-runoff-5k or scan QR Code



FREE COMMUNITY WATER
QUALITY FESTIVAL
6:30AM-9:30AM

Urban Runoff Watershed
Quality Grant Awarded to a
local non-profit organization.
Winner will be announced at
the event.

Grant Application:
[www.tnstormwater.org/
urbanracegrantn](http://www.tnstormwater.org/urbanracegrantn)

Hosted by Metro Nashville - Benefits the Tennessee Stormwater Association

THE WORKS 2026

MIDDLE TN'S SKILLED TRADES COMPETITION

Get ready for the Middle Tennessee Construction Trades Competition, a high-energy, school-friendly event showcasing hands-on building skills, jobsite safety, and professionalism.

APRIL 21-23

EVENT DETAILS:

April 21 - Competition
April 22 - Awards & Industry Expo
April 23 - County Wide Youth Job Fair

 Williamson County Ag Expo Park
Franklin, TN

GET INVOLVED:

Contact: Charles Thomas
TradeWorks Collective / UT Extension
(Williamson County)

Email: charles@t4contractors.com
Website: TradeWorksCollective.org



In collaboration with UT Construction Sciences and UT Extension Williamson County

WHO SHOULD PARTICIPATE?

- High school construction programs
- Community Teams (4-H, Scouts, Homeschool groups)
- TCAT Postsecondary
- Individual high school aged students willing to be paired with a team

WHAT TO EXPECT

- Team-based competition format across core construction trades. (carpentry, electrical and plumbing)
- Scoring that reinforces technical skill, safety, and professionalism.
- Career exposure for students through structured industry engagement.
- Awards and recognition to celebrate student achievement.

