

STORMWATER DESIGN TRAINING

DECEMBER 11-12, 2023 • WEBINAR

This event will be a combination of live presentations and pre-recorded presentations. All presenters will be available after their presentations to answer questions



[Click Here to Register Online](#)

Questions?
psauer@iowastormwater.org

\$160 General
Registration Fee



What is covered in this training?

This comprehensive training provides a design approach to manage both small and large storm events to improve water quality and reduce local flooding. It will provide guidance on how to design and review stormwater management practices. New Iowa Stormwater Management Manual guidance, design tools, and approaches that will achieve compliance with the USC will be covered.

Who should attend?

Municipal engineering, planning, and plan review staff, consultant engineers, landscape architects, watershed and conservation staff, and others.

What is the Unified Sizing Criteria?

Unified Sizing Criteria is a comprehensive approach to design stormwater management systems. It uses measurement standards to meet flooding, health, safety and water quality goals. These criteria are used to design best management practices that meet desired treatment objectives.



Webinar Instructors

- Greg Pierce, Water Resource Engineer, RDG Planning & Design
- Greg LeFevre, Univ. of Iowa, Engineering
- Paul Miller, Urban Conservationist, IDALS
- Jennifer Welch, Urban Conservationist, Polk SWCD
- Kristin Brostrom, Senior Engineer, City of Urbandale
- Rai Tokuhisa, Water Resources Engineer, City of Clive
- Pat Sauer, Executive Director, ISWEP

Certificates provided
for PDHs



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December 11, 2023 8:00 AM - 12:25 PM

Unified Sizing Criteria evaluation, measurement and implementation. Using the tools to maximize benefits of stormwater management. How communities are implementing this approach and the process they used to achieve it.

- 8:00-8:10** **Welcome: Setting the Stage** - *Pat Sauer, ISWEP*
- 8:10-8:45** **Stormwater Challenges**- *Greg Pierce, RDG Planning & Design*
- 8:45-9:45** **ISWMM Tools**- *Paul Miller, IDALS and Jennifer Welch, Polk SWCD*
- 9:45--10:20** **Stormwater Management Plans and Use of Design Tools** - *Kristin Brostrom, City of Urbandale*
- 10:20-10:30** **BREAK**
- 10:30-11:00** **Clive's Implementation of the USC in Their Post Construction Stormwater Program**- *Rai Tokuhisa, City of Clive*
- 11:00-12:25** **Better Stormwater Design**- *Greg Pierce, RDG Planning & Design*

December 12 8:00 AM - 12:00 PM

Calculating requirements for each of the USC's small storm and large storm components, demonstrating required rate reductions, retrofits and hybrids, direct discharge, multiple discharge points, and inflow from offsite areas. Turning ISWMM guidance into better stormwater management.

- 8:00-8:30** **Unified Sizing Criteria**- *Greg Pierce RDG and Greg LeFevre, Univ. of Iowa*
- 8:30-9:35** **Stormwater Management Approaches**- *Greg Pierce, RDG*
- 9:35-9:45** **Break**
- 9:45-10:15** **Practice Updates** - *Paul Miller, IDALS*
- 10:15-11:00** **Detention and Retention** - *Greg Pierce RDG and Greg LeFevre, Univ. of Iowa*
- 11:00-12:00** **Topics for Better Design** - *Greg Pierce RDG*
- 12:00-12:15** **Importance of Inspection and Maintenance and Closing Remarks**- *Pat Sauer, ISWEP*