

ADMC

Agricultural Drainage Management Coalition

Drainage Water Management Certification Course

Online instruction- August 23 -24, 2022

Register [HERE](#)

August 23 – DWM Certification Agenda (ET)

- 9:00 Welcome and Introductions
- 9:15 Session 1: (2 CEUs) Drainage Design and Soils: Soil and water concepts & tools, fundamentals in drainage design, and design tools
- 10:30 Break**
- 10:45 Session 1 cont.
- 11:30 Lunch (provided)**
- 12:15 *Three seconds later* – Drain Tile Safety Coalition
- 12:30 Session 2: (1.5 CEUs) Conceptual DWM Design: Introduction to Drainage Water Management Design
- 2:00 **Break**
- 2:15 Session 3 (1.5 CEUs) Hands on DWM Design: Field zoning, retrofitting elevation plans, and layout
- 3:45 Discussion and Final Test
- 4:15 Dismiss**

August 24 – NRCS TSP Overview Agenda

- 9:00 NRCS Design Installation Activity 164 Details
- 10:30 Becoming a TSP
- 12:00 Dismissal**



**Drain Tile
Safety Coalition**

Session 1: (2 CEUs) Drainage Design and Soils: Soil and water concepts & tools, fundamentals in drainage design, and design tools

Session 1 will introduce participants to soil and water interactions and how soil properties impact water movement, availability, and crop health. Participants will then learn how drainage systems are utilized to improve productivity and profitability. Finally, participants will be introduced to how drainage systems are commonly designed and what tools are available to assist in the layout water management systems.

Session 2: (1.5 CEUs) DWM Design Introduction to Drainage Water Management design

Session 2 will introduce participants to the principles of drainage water management including conditions where the practice applies, yield benefits, and water quality impacts. Participants will be walked through what is needed to design drainage water management systems, applicable NRCS Conservation Practice Standards, and will learn about water control structures commonly used in DWM systems.

Session 3: (1.5 CEUs) DWM Design Session 3: Field Zoning, retrofitting elevation plans, and economics

Session 3 will move to more advanced drainage water management concepts including how to determine the drained area, control elevations, and the extent of the controlled zone. Participants will also learn about economic considerations and requirements of the NRCS Drainage Implementation Activity 164.

A total of 5 CEUs will be available for CCAs or PEs. Partial CEUs will be available for completion of session 1, 2, or 3.

Sessions 1 – 3 will be led by Dr. Gary Sands who is a Professor and Extension Engineer at the University of Minnesota.

Upon successful completion of the quiz modules, an ADMC course certificate will be awarded. An ADMC certificate along with a submitted DIA 164 to your state NRCS can be used to obtain TSP certification for DIA 164. State laws may require a professional engineer's license regardless of ADMC certification. Please check with your local NRCS State Conservation Engineer and/or your local State Board of Professional Engineers.

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