

Agenda

Presented by Dr. Gordon McCurry, P.G.

Day One: Tuesday, August 8, 2023

Aquifers and Aquifer Properties

- Course overview and learning objectives
- Aquifer types and aquifer settings
- Aquifer properties

Groundwater Flow

- Hydrologic cycle
- Hydraulic gradient
- Groundwater discharge

Field Data Collection Methods

- Subsurface geology
- Water level measurements
- Groundwater sampling

Day Two: Wednesday, August 9, 2023

Aquifer Testing and Analysis

- Aquifer test methods
- Interpretation of aquifer test data

Aquifer Water Quality and Solute Transport

- Aquifer geochemistry
- Solute transport

Groundwater Management

- Safe yield and sustainable use
- Supply management strategies
- Demand management strategies
- Course summary

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Recordings of this webinar are available for purchase. See course listing online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Introduction to Groundwater Hydrology

Online - Tues., August 8 and Wed., August 9, 2023

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HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Understand groundwater flow: hydrologic cycle, hydraulic gradient and groundwater discharge.

Explore field data collection methods.

Discuss aquifer testing and analysis.

Examine aquifer water quality.

Discuss ground supply management and demand management strategies.



HalfMoon Education Live Webinars

Introduction to Groundwater Hydrology



Live, Interactive Webinar

Tuesday, August 8 and Wednesday, August 9, 2023

9:00 am - 12:20 pm CDT

Discuss aquifer types and properties

Explore groundwater flow, the hydrologic cycle and the hydraulic gradient

Discuss field data collection methods for groundwater measurement and sampling

Examine groundwater quality and the mechanics of solute transport

Learn sustainable groundwater management strategies

Continuing Education Credits

Professional Engineers
6.0 PDHs

Landscape Architects
6.0 HSW CE Hours
6.0 LA CES HSW PDHs

Floodplain Managers
6.0 ASFPM CECs

Geologists
6.0 PDHs



Faculty

Dr. Gordon McCurry, P.G. has more than 35 years of experience in hydrology, including the investigation, analysis and modeling of aquifer systems, and assessments of hydrologic impacts. His areas of expertise include the quantitative analyses of flow and solute transport, stream/aquifer interactions, climate change, regulatory permitting, and aquifer remediation. He has been involved with modeling groundwater flow and solute transport since the 1980s. In addition to his consulting career, Dr. McCurry has taught courses on groundwater modeling and hydrogeology since the early 1990s at several universities and to state and federal regulatory agencies.

Webinar Information

Day One: Tuesday, August 8, 2023
9:00 am - 12:20 pm CDT (including a 15-min. break)

Day Two: Wednesday, August 9, 2023
9:00 am - 12:20 pm CDT (including a 15-min. break)
(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$319 for individual registration
\$289 for two or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
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Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the Landscape Architecture Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

This webinar has been approved by the Association of State Floodplain Managers for 6.0 CECs for floodplain managers.

This webinar may offer up to 6.0 PDHs to licensed geologists in some states. HalfMoon Education has not applied for state geologist continuing education approval in states requiring such.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request: 6.0 HSW PDHs (LA CES)

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Additional Learning

Design and Construction on Expansive Soils
- Friday, July 7, 2023 | 9:00 am - 4:00 pm CDT

Wetland Restoration
- Friday, July 7, 2023 | 8:30 am - 4:00 pm CDT

PFAS and Other Persistent Organic Pollutants
- Monday, July 10, 2023 | 8:30 am - 3:20 pm CDT

Protecting Trees During Development and Construction
- Wednesday, July 12, 2023 | 9:00 am - 12:15 pm CDT

Walls, Water, and What To Do When They Interact
- Wednesday, July 12, 2023 | 10:00 am - 2:30 pm CDT

Bioretention System Design
- Wednesday, July 12, 2023 | 1:00 - 3:00 pm CDT

Soil Investigation and Classification
- Thursday, July 13, 2023 | 2:00 - 4:00 pm CDT

Understanding High Pile Storage Utilizing NFPA 13
- Tuesday, July 18, 2023 | 10:00 am - 2:30 pm CDT

Design-Build Contracting: Focusing on AIA Contract Documents
- Thursday, July 20, 2023 | 9:00 am - 4:30 pm CDT

Design, Ecology and Maintenance of Ponds
- Thursday, July 20, 2023 | 8:30 am - 3:30 pm CDT

Avoiding, Identifying and Resolving Ethical Issues in Land and Water Transactions
- Friday, July 21, 2023 | 2:00 - 3:00 CDT

2023 National Electrical Code Update
- Tuesday, July 25, 2023 | 8:00 am - 5:00 pm CDT

Soil-Structure Interaction (SSI)
- Tuesday, July 25, 2023 | 9:00 am - 4:00 pm CDT

Seismic Design and Construction
- Thursday, July 27, 2023 | 8:30 am - 5:00 pm CDT

Deep Dive into Pests and Diseases of Trees
- Wednesday, August 2, 2023 | 1:00 - 3:00 pm CDT

PFAS Remediation in City Water Supplies
- Wednesday, August 2, 2023 | 1:00 - 4:00 pm CDT

Decarbonizing Existing Buildings
- Thursday, August 10, 2023 | 10:00 am - 1:15 pm CDT

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