

Agenda

Understanding Nevada Surface Water and Groundwater Rights

T. Thiel

- Ownership of Nevada surface and groundwater:
- Public waters, private rights and prior appropriation
- Regulation of surface water rights
- Obtaining surface water rights
 - Amending surface water rights
 - Application and permitting process
 - Current issues in surface water rights
- Regulation of groundwater rights
- Obtaining groundwater rights
 - Application and water well permitting process
 - Current issues in groundwater rights
- Conjunctive regulation of surface and groundwater rights
- Historic examples of conjunctive management
 - Current issues on conjunctive management

Water Conservation in Southern Nevada

K. Horn

- Overview of Southern Nevada Water Authority
- Drought in the Colorado River Basin
- Managing drought and water resources for an urban community
- Las Vegas’ approach to water conservation
- Drought resilient infrastructure
- Meeting future demands

Water Rights and Water Management on Native American Reservation Lands

L. Singletary

- Overview of current regional water management issues challenges facing Tribal Nations on reservation lands
- Tribal Nations’ land tenure and water rights: historical context
- Current water management challenges and opportunities facing Tribal Nations on reservation lands

Well Regulatory Issues and Well Driller Licensing in Nevada

T. Gallagher

- Well regulation in Nevada
- Well driller licensing requirements
- Licensed well driller responsibilities
- Well completion requirements
- Well decommissioning and plugging
- Recent regulation changes

The Colorado River Basin: Current Challenges and Policy Responses

E. Koebele

- Overview of current regional water management challenges
- Colorado River Basin governance structure and historical context
- Nevada’s role in the Colorado River Basin
- Current shortage management policies and actions across the Basin
- On-going policy development for the Basin’s future

Nevada Water Rights and Regulation

Live, Interactive Webinar - Tuesday, August 22, 2023

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You’ll be able to:

Explore ownership of Nevada surface water and groundwater.

Get an overview of the Southern Nevada Water Authority and discuss management of water resources for urban areas.

Address water management challenges facing tribal nations.

Review well completion requirements and requirements for decommissioning water wells.

Examine Colorado River Basin water management challenges, and discuss the Basin’s future.

HalfMoon Education Live Webinars

Nevada Water Rights and Regulation

Live, Interactive Webinar - Tuesday, August 22, 2023



Understand public waters, private water rights and the doctrine of prior appropriation

Explore rights to use Nevada surface water and groundwater

Discuss the impacts of drought and efforts to conserve water in southern Nevada

Examine water management issues facing tribal nations

Consider well driller licensing and well regulatory issues

Evaluate Nevada’s role in Colorado River water management

Continuing Education Credits

Professional Engineers and Geologists
6.5 PDHs

Attorneys
6.0 General MCLE Credits

Certified Planners
CM|6



Webinar Information

Log into Webinar 8:00 - 8:30 am PDT	Break 12:10 - 1:00 pm PDT
Morning Session 8:30 am - 12:10 pm PDT	Afternoon Session 1:00 - 3:35 pm PDT

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
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

Credit Information

This webinar is open to the public, and it is designed to qualify for up to 6.0 PDHs for professional engineers in Nevada, and 6.0 PDHs for most geologists who have continuing education requirements.

The Nevada Board of Continuing Legal Education has approved this webinar for 6.0 general MCLE credits.

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 6 for Certified Planners.

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.

Learn More and Register:
www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1

or scan here



Faculty

Tamara Thiel is an attorney at Taggart & Taggart, Ltd. Ms. Thiel has extensive experience in water rights matters. She has been qualified as an expert in Nevada water title before the Nevada State Engineer since 2015, and has reviewed and filed thousands of reports of conveyance for water rights across the state. Ms. Thiel represents clients in adjudication matters relating to the determination of vested water rights, in performance of due diligence in land and water transactions, in drafting opinion letters, and in permitting and regulatory compliance on water rights issues. Ms. Thiel also works on administrative proceedings at the State Engineer's office, mitigation plans and permitting, and appeals of administrative decisions. She has provided research and support on ditch easement issues, and worked with irrigation companies relating to title, stock, and changes in water use. She has experience with water rights dedications for development with water municipalities, and effluent water re-use permitting. Ms. Thiel has extensive work in stockwater rights on federal and state range lands, including vested rights research, title, and permitting. Ms. Thiel also assists clients with real estate transactions. She has experience in preparing and reviewing easements, leases, deeds of trust and other securities.

Katie Horn, MPA is the Management Services Manager for the Southern Nevada Water Authority and Las Vegas Valley Water District. In this role, she oversees the organization's policy-related initiatives, including the organization's advisory committees, board processes, and other projects. She has been with the organization since 2005 and has supported a number of initiatives such as development code changes, water rate adjustments, conservation programming and others. A Las Vegas native, Ms. Horn received her bachelor of arts degree in History and Business Administration from the University of Redlands, and her Masters of Public Administration degree from the University of Nevada Las Vegas.

Loretta Singletary, PhD is the Professor of Economics and Extension and the Interdisciplinary Outreach Liaison for the University of Nevada, Reno. She has more than three decades of experience developing integrated research and outreach programs focused on land and water management challenges specific to Tribal Nations on reservation lands throughout the US. Her recent USDA-NIFA funded project, Native Waters on Arid Lands, involved 49 Tribal Nations in the Great Basin and American Southwest to identify Tribes' climate data and information needs to support Tribes in their adaptation planning efforts focused on water management on reservation lands. In addition to publishing numerous journal articles and Extension curricula on this topic, she is lead author on *Status of Tribes and Climate Change Report*, Chapter 6, *Economic Development: Renewables, Sustainable Economies, and Carbon Offsets* (2021), and co-author on the *4th National Climate Assessment*, Chapter 15, *Tribes and Indigenous Peoples* (2018).

Can't Attend? Order the Webinar as an On-Demand Package!
Recordings of this webinar are available for purchase. See details 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.

Thomas Gallagher, PE is the owner of Nevada Water Solutions, LLC, and he assists clients in helping clients acquire water for their projects and manage their water rights. He began his career as a hydraulic engineer with the Nevada Division of Water Resources in 1981 where he worked for over 31 years. Mr. Gallagher has traveled the state extensively, resolving numerous water-related problems and conflicts. He worked closely with operators and other agencies to promote and regulate geothermal and oil and gas development in Nevada. Additionally, he has worked extensively with farmers, ranchers and miners to facilitate their water needs. As the regulator, he worked closely with nearly every drilling contractor in the state to resolve well drilling, well design, well completion and decommissioning problems. Mr. Gallagher is a long-time member of the National Ground Water Association and served on several of their steering committees. He was instrumental in developing minimum standards for well construction and decommissioning, both with the Nevada regulation and with NGWA's recently published National Water Well Standard. He assisted the Nevada Division of Minerals in developing new oil and gas regulations to address hydraulic fracturing in Nevada. He is also a member of the American Water Resources Association, the American Water Works Association, the Water Systems Council and the Nevada Cattlemen's Association.

Elizabeth A. Koebele, PhD is an associate professor of Political Science at the University of Nevada, Reno, where she is also associate director of the Graduate Program of Hydrologic Sciences. Dr. Koebele holds Ph.D. and M.S. degrees in Environmental Studies from the University of Colorado Boulder, as well as B.A. degrees in English and Education from Arizona State University. She researches and teaches about water policy and governance in the western United States, with a focus on the Colorado River Basin. Dr. Koebele's research has been funded by the U.S. National Science Foundation and the U.S. Department of Agriculture, among others, and she has published her findings widely in policy and interdisciplinary environmental science journals. She also co-edits the scholarly journal *Policy & Politics* and regularly provides analysis of western water issues for regional and national media outlets.

Additional Learning

Avoiding, Identifying and Resolving Ethical Issues in Land and Water Transactions
- Friday, July 21, 2023 | 12:00 - 1:00 PDT

Complying with NPDES Industrial Stormwater Requirements
- Wednesday, August 2, 2023 | 6:30 - 9:45 am PDT
- Thursday, August 3, 2023 | 6:30 - 9:45 am PDT

PFAS Remediation in City Water Supplies
- Wednesday, August 2, 2023 | 11:00 am - 2:00 pm PDT

Introduction to Groundwater Hydrology
- Tuesday, August 8, 2023 | 7:00 - 10:15 am PDT
- Wednesday, August 9, 2023 | 7:00 - 10:15 am PDT

Basics of HEC-HMS Modeling
- Wednesday, August 16, 2023 | 7:00 - 11:15 am PDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org