



SIXTEENTH ANNUAL

FINAL 2021 MISSOURI WATER SEMINAR

Missouri's Most Important Water Protection Event of the Year

SEPTEMBER 8-9, 2021

Stoney Creek Hotel & Conference Center **and via Live Streaming Video**

Columbia, Missouri

Presented by



with



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and



Day 1 Program Schedule

Wednesday, September 8

- 7:30 a.m. Registration & Breakfast**
- 7:45 a.m. Tech Check for Online Participants**
- 8:05 a.m. Welcome**
KEVIN PERRY, Assistant Director, REGFORM
- 8:10 a.m. Water Update—The Year in Review**
A re-cap of the most important issues, developments, and happenings since our last Seminar: Water Forum outcomes, regulation/policy changes, US EPA actions, appeals, CWC decisions, firsts, and personnel changes.
ASHLEY MCCARTY, MO Clean Water Commission
CHRIS WIEBERG, MDNR
ROB MORRISON, Barr Engineering
STEVE JEFFERY, Jeffery Law Group
NICK MUENKS, GeoSyntec
KEVIN PERRY, REGFORM (Moderator)
- 8:55 a.m. Mini Break**
- 9:05 a.m. Take a Dip in Missouri Nutrients BATHTUB Modeling Results and Insights**
Numeric Nutrient Criteria for Lakes survived a legal challenge from CFE. While the motions and arguments were being made, MDNR was modeling lakes and reservoirs in search of outcomes that trigger an impaired waters listing. But there's more. See what insights were gained as modelers looked at the impacts of various types of discharges through the lens of reasonable potential analyses, and more.
- 9:25 a.m. MIKE KRUSE, MDNR**
- 9:30 a.m. Maui in Missouri...the New Nuances**
Missouri has always regulated subsurface waters. So the Supreme Court's *Maui* decision and all this talk about discharges to groundwater that are "the functional equivalent of a direct discharge" can't bother us, right? Yes and No. Permits for many sites in Missouri already have limits or conditions to protect groundwater. These are typically more stringent than for discharges to surface waters. But other sites may now require a more thorough evaluation of the subsurface movement of wastewater discharged from a point source that does not discharge directly to surface waters. We'll analyze the *Maui* decision and discuss the potential permitting implications in Missouri.
HEATHER PETERS, MDNR
JOEL RESCHLY, MDNR
ROGER WALKER, REGFORM (Moderator)
- 10:20 a.m. Networking Break sponsored by** 
- 10:40 a.m. Water Protection Program Update**
Director Wieberg will update us on recent developments and discuss hot topics, including the "the great resignation", water quality standards for human health, new rules in the pipeline, eDMR redesign, construction permitting, ARPA funding/projects, crediting back COVID-related late fees, ammonia, regionalization and consolidation of wastewater treatment facilities, coronavirus sewer shed surveillance, numeric nutrient criteria for lakes, and Commission actions/decisions.
- 11:30 a.m. CHRIS WIEBERG, MDNR WPP Director**
- 11:35 a.m. How Low Can You Flow? Missouri River Low Water Predictions**
US ACE is notifying water users below Gavins Point that flows from Gavins are likely to be at or below record levels (12,000 cfs, and possibly 9,000 cfs) this coming Fall and Winter. Anyone with an intake on the Missouri River should probably be evaluating potential effects of such low flows on operations.
MIKE HOGAN, GeoSyntec
TIM GANZ, Missouri American Water
- 12:05 p.m. Lunch**
- 12:45 p.m. A Victory Lap for ECHO; Effluent Limit Violators Beware**
What can you do with 3 summer interns, a lot of hard work, and a commitment to eliminating some serious errors that happen when 2 computers talk to each other? A lot. The summer of "the great cleanse" has knocked so much erroneous data out of ECHO that US EPA called to inquire what MDNR is doing to so dramatically bring down the nation-wide significant non-compliance (SNC) rate. We'll give this team the opportunity to take a well-deserved and informative victory lap on an issue that has plagued Missouri water dischargers for way too long. But...clearing away the false positives brings into focus the true non-compliance bug-a-boo: effluent limit violations. These facilities likely face a challenging road ahead.
BECKY CRIPE, MDNR
- 1:25 p.m. KRISTI SAVAGE-CLARKE, MDNR**
- 1:30 p.m. Garbage In, Garbage Out. Getting the Gunk out of MUDD.**
Bugs make their way into every system. So you can be sure the Missouri Use Designation Dataset contains some things that aren't quite right. There's a way to get out what doesn't belong there. John Hoke will tell us how and why errors in the dataset could impact you.
JOHN HOKE, MDNR, WPP
- 2:05 p.m. Networking Break**
- 2:25 p.m. Top 10 Tips to Remember as You Submit Your eDMR Data**
The new "new" eDMR system is up and running. MDNR staff are fielding questions from dischargers across the State as they work come up to speed with the new system and comply with reporting requirements. Mr. Hackett will help us out with his top 10 tips for success.
BILLY HACKETT, MDNR
- 2:50 p.m.**

2:55 p.m. "I Told You So": The Tour Begins
Two years ago David Shorr gave a prescient presentation at the Missouri Water Seminar called *Beyond the Great Hiatus*. It was about "the future of environmental protection efforts following the calm period created by the pro-business policies of the current Federal and state administrations." In other words, he was warning regulated entities to not get complacent, suggesting they prepare for a future backlash. That future is now. And David is kicking off his 20-city "I told you so" tour right here in Columbia. What did he get right?

3:40 p.m. DAVID SHORR, Lathrop GPM

3:45 p.m. Scratching the Surface on PFAS
We've learned all about what they are and the likely sources. But what's next? States, US EPA, local governments, companies, clean-up professionals, water treatment engineers, and litigants all are making moves to address PFAS. Hear more about enforcement and litigation trends, regulatory and legislative initiatives and tips for how to plan amidst this quickly evolving landscape.

4:05 p.m. AIMEE DAVENPORT, Stinson

Day 2 Program Schedule

Thursday, September 9

7:00 a.m. Breakfast

7:35 a.m. Welcome to Day Two
ROBERT BRUNDAGE, Brundage Environmental & Ag Law

7:40 a.m. Coronavirus Wastewater Sampling Project—A View From the Sewershed
Using wastewater for tracking disease, anticipating outbreaks, and understanding extent is not new. It has proven useful in tracking diseases such as polio and norovirus. Now MDNR, DHSS, and MU are cooperating to test and evaluate sewage from wastewater treatment facilities and other congregate settings. Data generated from sewage testing can be useful for understanding the distribution of SARS-CoV-2 in Missouri, and monitoring trends for indication of re-emergence.
JEFF WENZEL, DHSS

8:05 a.m. MARC JOHNSON, University of Missouri

8:10 a.m. Master General Permits: A Preview
Like other water permits, General Permits (GPs) must be re-issued every five years. We'll take a look ahead to get a better understanding of what's coming for the land disturbance GP, as well as GPs for MS4s, limestone quarries, light industrials stormwater, and more.

8:35 a.m. MIKE ABBOTT, MDNR, WPP

8:40 a.m. A Couple CAFOSs Lost Their Permits on Appeal. So What?
Did you hear about the CAFO that applied for a permit under a name that didn't exist as a legal entity? When

challenged, they lost their permit. Technicalities that make it almost impossible for the AHC and Clean Water Commission to support an issued permit on appeal are real. And they can be avoided. Learn what you can do, even if you're not a CAFO, to avoid giving your permit away when challenged by a group looking for every chink in your armor. These same errors cause avoidable delays in permit issuance.

HEATHER PETERS, MDNR

9:05 a.m. ROBERT BRUNDAGE, Brundage Environmental & Ag Law

9:10 a.m. Planning for Future Water Discharges
Planning for a new facility or new discharge stream at an existing facility can be challenging. From permits related to construction and operation, there are many opportunities for delay if not planned properly. Commonly encountered issues, like emerging contaminants, nutrients, effluent quality, and siting will be discussed at the State and Federal level. Learn from a case study of when things went wrong and get tips on how to avoid a similar situation.

ALLISON PEARSON, Barr Engineering

9:40 a.m. Networking Break sponsored by



Jeffery Law Group

10:00 a.m. A Look at EJ as It's Happening Now
Environmental Justice (EJ) is now a priority for the Biden administration across all Federal agencies. Also, several recent court decisions have involved EJ claims. A large pipeline company had its state air permit vacated because the agency failed to comply with Environmental Justice requirements. Mr. Jeffery will address these EJ initiatives and offer suggestions for how you can use to avoid being a target.

10:35 a.m. STEPHEN JEFFERY, Jeffery Law Group

10:40 a.m. Seven Simple Steps to Your Own Drinking Water Reservoir
Just kidding. It takes more than 7 steps to permit the first drinking water reservoir in Missouri since 1986. How did they do it? Where did the money come from? Everything you wanted to know about Caldwell County's Little Otter Creek reservoir project.
JULIE MARKS, Allstate Consultants
JOHN HOLMES, Allstate Consultants
GREG PITCHFORD, Allstate Consultants

11:25 a.m. CARY SAYRE, Allstate Consultants

11:30 a.m. Adventures in Enforcement...Tales From SEMO
Need a little incentive to come into compliance? Gather 'round for some tales of creative and effective enforcement approaches that have folks from Steelville to Kennett looking over their shoulders, and in some cases, turning themselves in. The Southeast Regional Office has undertaken some focused efforts to address problems with expired permits, unpermitted timber production activity, outfall pipes snaking out from the banks of the Mississippi, and more.
ART GOODIN, MDNR, SERO

12:20 a.m. Adjourn

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REGISTER FOR THE **2021 MISSOURI WATER SEMINAR** WITH YOUR CREDIT CARD AT:

www.regform.org/21WaterSeminar

	REGISTER NOW	REGISTER LATE/ ON SITE (after 8/18/21)
In Person, Standard Rate	\$375*	\$425*
Live Stream, Standard Rate	\$375*	\$425*
In Person, Government Rate	\$205	\$255
Live Stream, Government Rate	\$205	\$255
In Person, REGFORM Member Rate	\$150*	\$200*
Live Stream, REGFORM Member Rate	\$150*	\$200*

***plus processing fee**

CANCELLATIONS All cancellations received prior to 8/18/21 receive a refund minus a \$50 processing fee. Cancellations received on or after 8/18/21 receive a refund minus an \$85 processing fee. This refund policy applies to all registrations rates. No-shows will be charged full registration fee. Substitutions are welcome at any time.

COVID PRECAUTIONS The in-person event will feature physically distanced seating. Hand sanitizer and masks will be available. Masks will be required unless you are sitting at your table.

Our strong preference is for all in-person attendees to be fully vaccinated. If you are not vaccinated, experiencing any symptoms, or have health concerns, we have an excellent live streaming video option for participation.

In-person attendance will be limited.

Lunches will be boxed and eaten at your seminar seat. Attendees will be asked to attest that they are/have been symptom free. There will be no reception this year.

Please be prepared to observe any local ordinances that may be in place at the time of the event. There will be no handouts at this event.

Registrations can be easily switched between in-person and live stream video participation (as long as seats are still available).

WHO SHOULD ATTEND?	LODGING
<p>EHS Personnel Utility Directors City Engineers Federal/State Water Professionals Environmental Consultants Environmental Attorneys</p>	<p>Stoney Creek Hotel & Conference Center 2601 South Providence Road Columbia, MO 65203 (573) 442-6400 Guaranteed room rate: \$96/night + taxes/fees Reserve your room no later than 8/16/21 Mention MO Water Seminar</p>

REGISTER TODAY FOR THE **2021 MISSOURI WATER SEMINAR** AT:

www.REGFORM.org/register-here

Fees increase by \$50 on August 19, 2021 for all registrations. The Missouri Bar has approved this Seminar for 12.9 CLE hours.