

Agenda at a Glance

- 8:30 - 8:35 AM - *Welcome*
8:35 - 9:15 AM - Watersheds: When Urban & Rural Blend by John Pennington
9:15 - 10:00 AM - Fayetteville's Nutrient Management Agreement by Bob Morgan & Sarah Wrede
10:00 - 10:15 AM - *Break*
10:15 - 11:45 AM - New Effluent Limitation Guidelines by Brent Larsen
11:45 AM - 12:45 PM - *Lunch*
12:45 - 1:30 PM - Liability by Richard Mays
1:30 - 2:15 PM - Sampling, Monitoring & Analysis by Reed Green
2:15 - 3:00 PM - *Break/Vendors*
3:05 - 3:50 PM - Septic Tanks & Construction by Richard Murphree
3:55 - 4:40 PM - Hydro-seeding & Mulching by Justin Blisard
4:40 - 5:00 PM - *Evaluations & Wrap-Up*



Agenda and Presenter Bios

8:30 - 9:15 am - Watersheds: When Urban and Rural Blend - John Pennington

John Pennington - County Extension Agent, University of Arkansas Cooperative Extension
John works for the University Division of Agriculture as an Agriculture/Water Quality Extension Agent in Washington County. John's work mostly consists of working to engage stakeholders to educate them about their role in protecting water quality and to encourage adoption of best management practices. His work has been in both rural and urban watersheds and this has allowed him to document a wide range of negative impacts that occur all too often as a result of hydrologic alterations within watershed. He obtained a Biology degree from Arkansas Tech University and a Masters degree from the Crop Soils and Environmental Science department of the Dale Bumpers School of Agriculture at the University of Arkansas.

9:15 - 10:00 am - Fayetteville's Nutrient Management Agreement – Bob Morgan and Sarah Wrede

Dr. Robert Morgan - Manager of Environmental Quality, Beaver Water District
Dr. Robert Morgan joined Beaver Water District in 2004. His responsibilities include source water protection and the water quality laboratory. Previously, Dr. Morgan served as Project Director in the Biological and Agricultural Engineering Department, University of Arkansas and as coordinator for Arkansas' Nonpoint Source Pollution Management Program. He earned his Doctorate in Engineering (2007), Master of Science in Civil Engineering (2003), and Bachelor of Science in Civil Engineering (1973) from the University of Arkansas, Fayetteville. Dr. Morgan is a registered Professional Engineer in Arkansas. Professional affiliations are the American Water Resources Association, the North American Lake Management Society, and American Water Works Association. Morgan currently serves on the Source Water Protection Committee of AWWA and also on the Board of Directors of the North American Lake Management Society where he represents Region 6. He has authored publications on nonpoint source pollution, watershed management and stream restoration.

Sarah Wrede - Stormwater Engineer, City of Fayetteville

Sarah Wrede attended the University of Nebraska and received her Bachelor of Science in Civil Engineering degree in 2002. She was employed by the US Army Corps of Engineers, Omaha District for four years in the Hydrologic Engineering Branch and also as an intern with the Department of the Army. Sarah moved to Northwest Arkansas in 2005 and began working for the City of Fayetteville. As the City's Stormwater Engineer, Sarah oversees Fayetteville's Stormwater Management Plan, responds to drainage issues throughout the city and serves as Fayetteville's floodplain administrator. She is a Certified Floodplain Manager and a Certified Professional of Erosion and Sediment Control.

10:00 - 10:15 am – Break

10:15 - 11:45 am - New Effluent Limitation Guidelines - Brent Larsen

Brent Larsen - Chief, Permits and Technical Assistance Section, EPA Region 6

Mr. Larsen received a BS in Wildlife and Fisheries Sciences from Texas A&M in 1984. He joined EPA Region 6's Water Management Division, Enforcement Branch in October 1984, and enforced National Pollutant Discharge Elimination System (NPDES) Permits. In December 1987, he transferred to the NPDES Permits Branch. From 1987 to 2010, he served as the Regional NPDES Storm Water Coordinator and participated both in the development of regulations for Phase I and II of the NPDES Storm Water Program, storm water general permits, and municipal separate storm sewer system permits, and in development and implementation of storm water permitting programs at the federal and state levels. Mr. Larsen currently serves as the Chief of the Permits and Technical Assistance Section in the NPDES Permits and TMDL Branch of EPA Region 6's Water Quality Protection Division.

11:45 am - 12:45 pm - Lunch

12:45 - 1:30 pm - Liability - Richard Mays

Richard Mays - Mays & White PLLC

Attorney Richard H. Mays began practicing law in 1961 in Arkansas. During his career Richard has served as Department Attorney for the Arkansas Department of Pollution Control and Ecology and Senior Enforcement Counsel for the EPA. While working for the EPA, he received an award for his contribution to environmental enforcement from the US Department of Justice. Having been part of several landmark environmental cases, Richard has spoken at numerous conferences and authored or co-authored several books on environmental subjects. In June of this year, Richard Mays will be honored by the Arkansas Bar Association for 50 years of membership.

1:30 - 2:15 pm - Sampling, Monitoring & Analysis - Reed Green

Reed Green - Assistant Director, U.S. Geological Survey Arkansas Water Science Center

Reed's interests are in watershed hydrology and reservoir limnology, hydrodynamics and water-quality interactions, nutrient and phytoplankton dynamics. Reed is currently the Chief of Hydrologic Reservoir Science and Northwest Arkansas Programs, and holds Adjunct faculty appointments at both University of Arkansas in Little Rock and University of Arkansas in Fayetteville. He is currently teaching a Phytoplankton Ecology course at UALR. Reed's current research includes studies involving real-time water-quality monitoring and real-time 2D and 3D simulations hydrodynamics and water quality in reservoirs.

2:15 - 3:00 pm - Break/ Vendor Presentations

Please take some time to visit the vendors and thank our sponsors at their tables!

3:05 - 3:50 pm - Septic Tanks & Construction - What You Need to Know - Richard Murphree

Richard Murphree, BC, CES - Environmental Manager for the NW Region, Arkansas Department of Health

Richard earned his B.S. in Biology from the U of A at Monticello in 1993, and began working as an Environmental Health Specialist for the Arkansas Department of Health (ADH) in Washington County in 1994. In 1996 he became the Environmental Program Specialist for the 19 county NW Region. As Program Specialist, he trained ADH staff in site evaluations, system design and installation, and determining the causes of onsite wastewater system malfunctions. While employed with the ADH, he continued his education in soils and became a Professional Soil Classifier in Training. In 2002 he left the Department to start his own business as an Environmental Consultant and Designated Representative. In a 6 year period, Richard designed over 1000 onsite wastewater disposal systems in Northwest Arkansas. He rejoined the ADH staff in 2008 as the Environmental Manager for the NW Region and his current duties include the supervision of the Environmental Health Specialist while continuing to assist with training throughout the State and offer assistance to staff in the evaluation of soils for their suitability for wastewater applications.

3:55 - 4:40 pm - Hydro-seeding & Mulching - Justin Blisard

Justin Blisard - Owner, Platinum Hydro-Grass

Since Platinum Hydro Grass was established in the spring of 2001, Justin has worked hard to grow his company and become a respected member of his profession. Platinum Hydro Grass has worked with private contractors and municipalities on multiple projects. Recent customers include DECCO, Crossland Construction, City of Bentonville, and City of Siloam Springs as well as many others.

4:40 - 5:00 pm - Evaluations & Wrap-Up