

Date		SW Conference 2024	Draft Template		
Time	Topic	Topic Summary	Speaker	Status	Committee Member Resp.
Monday and Tuesday, January 30 2024		Pre conference Events			
8:00am-5:00pm Pre-Conference Session	NAWT Inspection Training & Certification				
Tuesday,					
4:00 – 8:00 PM	Exhibitor Set-up				
6:00 – 8:00 PM	Pre-Registration				
6:30 – 8:00 PM					

Wednesday, January 31, 2024					
7:00 – 8:00 AM	Registration				
8:00 – 8:10 AM	President's Welcome (Arizona County Directors of EH Services) TBD				
8:10 – 9:00 AM	Keynote Speaker: The State of the State of Water Reuse	Water reuse is increasingly critical as a tool for regulatory agencies and the communities they support to assure long term and viable sources of water to citizens. Water reuse efforts must be based on the development of “fit for purpose” criteria for the reclaimed water as regulated by agencies and used in communities. The USEPA has been working on a Water Reuse Action Plan (WRAP) and many governmental entities are incorporating sound reuse strategies into water planning efforts. This paper will describe efforts to assure the viability of these efforts to include planning, design, treatment and dispersal technology, management and building community support for these essential efforts. Water reuse is a part of the water infrastructure, and all sources must be assessed.	A.R. Rubin, Emeritus Professor NC State University		
9:00 – 9:50 AM	Trevor Baggione	ADEQ True North and Update on Rule Making	Director ADEQ Water Quality Division		
9:50–10:20AM	Break – visit exhibits				
10:20–11:10 AM		EPA Update on Water Reuse	Jay Garland, EPA		
11:10 – 12:00PM		Discussion on differences with types of wastewater technologies	Dave Gustafson		
12:00 – 1:10 PM	Lunch and visit exhibits				
1:10 – 2:00 PM	Chuck Gerba	Pathogens of concern in wastewater and indicator organisms	Chuck Gerba		
2:00 – 2:50 PM		San Francisco requires new commercial and multi-family buildings to collect and treat water onsite for non-potable applications. San Francisco has developed a risk-based approach for the installation of onsite water treatment systems to protect public health. The health-risk based approach includes the development of log reduction targets for the removal of pathogens (bacteria, viruses and protozoa) and continuous online monitoring requirements. San Francisco also chairs the National Blue-Ribbon Commission for Onsite Non-potable Water Systems (NBRC). The NBRC is a collaboration of public health regulators and water and wastewater utilities from 15 states across the United States. The NBRC promotes the health risk-based approach to the collection and treatment of water for non-potable applications.	Paula Kehoe, Director San Francisco Public Utilities		

2:50 – 3:20 PM	Break – visit exhibits				
3:20 – 4:10 PM	Panel on Resue	T.Baggiore, Bob Rubin, Jay Garland, Chuck Gerba, Paula Kehoe			
4:10 – 5:00 PM	Pressure Sewers	STEP, STEG, LPP and Liquid Effluent Collection Systems This presentation addresses pressure sewers for small and decentralized wastewater systems. Typically, pressure sewers are either grinder pump sewers that grind and transport all of the sewage, or effluent sewers that transport only the liquid portion of the sewage, leaving solids behind in a tank. The presentation will include a discussion of the differences in design methods for each of the two sewers, but will not go into detailed design calculations.	Mark Gross, PE		
5:00 – 6:30 PM	Exhibits and Mixer				

Thursday, February 1, 2024					
7:00 – 8:00 AM	Registration				
8:00 - 8:50 AM	Soil loading rates- the ability of soil to move water in unsaturated mode	Soil loading rates- the ability of soil to move water in unsaturated mode	Kitt Farrell-Poe		
8:50 – 9:40 AM	Repair Basics – How to approach a repair of a failing system		Bruce Lesikar		
9:40 – 10:10 AM	Break – visit exhibits				
10:10 – 11:00 AM	The need for Operation and Maintenance for onsite and reuse systems	“MOM is Always Right” and that phrase describes very appropriately the title and content of the second talk. Proper Maintenance, Operation, and Management are key elements essential to assure the successful long-term performance of individual onsite wastewater treatment systems and the administrative program developed to manage the onsite infrastructure in a community. This talk will address specific needs essential to assure proper system operation as well as the attributes essential to the overall management program to assure success of the onsite wastewater management infrastructure in a region. Public and private components are necessary.	A.R. Rubin, Emeritus Professor NC State University		
11:00 – 11:50 PM	Construction Inspections	Construction Inspections are vital to the assurance of proper long-term operations of any on-site wastewater treatment and disposal systems. This presentation will discuss who should perform construction inspections, what milestones should be inspected and how the inspections should be documented.	Justin Ramsey, PE		
11:50 – 1:00 PM	Lunch and visit exhibits				
1:00 - 1:50 PM	Jay Garland	Life Cycle Costs			
1:50 – 2:20 PM	Break – visit exhibits				
2:20 – 3:10 PM	Troubleshooting and Remediating Malfunctioning Onsite Systems	This presentation includes common causes of wastewater malfunctions, methods to diagnose the source of the malfunction, and recommendations for repairing the malfunction. The presentation addresses systems with gravity distribution over the soil dispersal area, but many of the recommendations can be applied to pressurized systems.	Mark Gross, PE		

3:10 – 4:00 PM		Preemptive Problem Solving for designs and Installations			

	<i>Speakers in waiting</i> <i>Topic Title</i>				
6					
7					
8					
9					
10					
11					
12					
<i>PRESENTATIONS IN RESERVE</i>					
<i>PRESENTATIONS ON HOLD</i>					
<i>CHANGED TO VENDOR STATUS</i>					