

Water Quality Division: Onsite Wastewater Operations and Maintenance TWG Meeting 3: August 18, 2021 10:00 am - Noon

Members in Attendance:

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| <input checked="" type="checkbox"/> David Bartholomew, CHAIR, Bartholomew Wastewater Services, Inc.
<input type="checkbox"/> Brian Bishop, AZ Septic Pros
<input checked="" type="checkbox"/> Douglas Disbrow, CO-CHAIR, AZ Wastewater Services, LLC
<input checked="" type="checkbox"/> Sheryl Ervin, Infiltrator Water Technologies
<input type="checkbox"/> Jon Heidrich, Mogollon RV Park & AZARVC
<input type="checkbox"/> Jim Huchel, City of Flagstaff
<input checked="" type="checkbox"/> Matt Ivers, ADEQ
<input checked="" type="checkbox"/> Brian Knisley, Maricopa County | <input checked="" type="checkbox"/> Dawn Long, First American Septic Service
<input type="checkbox"/> Daniel Lye, Freeport - McMoRan Bagdad, Inc
<input checked="" type="checkbox"/> Raymond Morgan, ADEQ
<input type="checkbox"/> Craig Payne, Payne home services
<input type="checkbox"/> Howard Ruble, Paradise septic, A-American septic, Coopers septic
<input checked="" type="checkbox"/> Michael Stidham, EZ TREAT, INC
<input type="checkbox"/> Alfredo Zapata, Macho Contracting
<input type="checkbox"/> Theresa Gunn, ADEQ Project Manager |
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Agenda (Est Time)	Lead	Overview	NOTES
Previous Meeting Notes	David	Any changes or comments on the notes?	
Review of other states' regulations	All	Report from members on new information from peer state research.	Please send any information from other states to Theresa.
Key Issues to Address	David	Review the key issues identified and determine the approach to research and make recommendations	<p>The group discussed how to get data to show that systems are not being maintained and are a potential risk to the environment.</p> <ul style="list-style-type: none"> Some states have language in rule which allows samples to be taken. Some states require contracts for alternative systems <p>The following is the brainstorming on a potential inspection program to learn the environmental impact of on-site systems.</p> <ul style="list-style-type: none"> Identify, give notice, pop lids and pull effluent sample Give report to homeowner and advice on how to get operator and

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			<p>advise on how to maintain</p> <ul style="list-style-type: none"> • Can't do anything until time of transfer • Grandfather property until sold • Avoid on how to make it disruptive and costly to homeowner • Simple screening can be done with test strips (first pass) • Sample at the time of transfer – actual lab test (a lot of NOTs occur at closing) • Why sample when you know it is not working • If selling house, the burden should be on the seller and they should repair or make concession and system has to be repaired (regulator doesn't get the inspection report or track to ensure system is repaired) • EPA grant money is available to help homeowners repair • Clearinghouse for data • Hard to correlate what is going in drinking water as there may be other influences • ADWR is doing annual water testing of private wells and ADEQ should not get into that area – ADWR may have this information • Need to consider what is occurring in the house if vacant or excessive use of cleaning material, chemotherapy or other medical conditions as not able to dilute through treatment • Difficult to make the window on the lab testing (limitations) • Oregon tried to do the inspections, sent letter to homeowner, no cost, no enforcement action as result of the inspection (prior to Covid) • Consider breaking out by brand and type of system to track the performance • Could do testing near labs and then strips on the outliers • Test around rivers and streams that are declared impaired waters • Doug knows of a subdivision with a water well with high nitrates due to on-site
Adjourn	Chair		Closed.

Action Plan:

Task	Person Responsible	Due Date	Status
Create outline of issues based on Whiteboard	Dave B	After meeting	
Provide NC regulations	Mike S	Before next meeting	Done
Review other state regulations	Sheryl	Before next meeting	Provided Texas and Rhode Island information on Share file
Set up repository for TWG files	Theresa	Before next meeting	Complete (Emailed ShareFile instructions)
ADEQ explore hiring contractor for random sampling of effluent of septic and alternative to check effluent; check house specs (check list) to see if appropriately sized; ADEQ inspector accompany the contractor (will have special authority under law); alt systems may need BOD, TKN samples (influent sample); Nitrate sample at drinking water (e-coli) if bored or shallow surface well;	ADEQ		Group recommendation to ADEQ
Talk to Oregon about their testing program	Sheryl		
HOMEWORK – Write a paragraph on your version of the perfect world of how we would regulate to ensure on-site systems are operating. When writing your vision, look to what other states are doing; what do you think is the best approach; and how it will positively impact the environment.	All	September 1	Send to Theresa and she will put in a document for review and comment



Sticky Notes from the Design and Permitting TWG

Other States' Regulations

State Name	Regulations

