



# Meeting Agenda/Summary

<b>Meeting</b>	Water Quality Division: Onsite Wastewater Advisory Committee (OWAC)
<b>Date</b>	October 5, 2021
<b>Start / End Time</b>	10 am – 12:30 pm
<b>Virtual Meeting</b>	Zoom link in calendar invite
<b>Documents</b>	Located in ShareFile - <a href="https://azdeq.sharefile.com/">https://azdeq.sharefile.com/</a>

## MEMBERS

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|--|---|--|
| <input checked="" type="checkbox"/> David Bartholomew, Bartholomew WW Services, Inc. | <input checked="" type="checkbox"/> Maher Hazine, PE, REI Development Services, LLC | <input type="checkbox"/> Michael Stidham, EZ Treat, Inc                    |
| <input checked="" type="checkbox"/> Mark Basic, Basic Drilling Company               | <input type="checkbox"/> Dawn Long, First American Septic Service LLC               | <input checked="" type="checkbox"/> Jenny Vitale, PE, Civil Engineer       |
| <input type="checkbox"/> Colin Bishop, Anua  | <input type="checkbox"/> Kathy Mills, Mills Engineering, LLC                        | <input checked="" type="checkbox"/> Joelle Wirth, Summit Environmental LLC |
| <input checked="" type="checkbox"/> Suzanne Ehrlich, Yavapai County                  | <input checked="" type="checkbox"/> David Monihan, PE, RLS, Coconino County         | <input checked="" type="checkbox"/> Kitt Farrell-Poe                       |
| <input checked="" type="checkbox"/> Jake Garrett, Gila County                        | <input checked="" type="checkbox"/> Cullin Pattillo, Mohave County                  | <input type="checkbox"/> Ashley Chatfield (Design/Permit TWG Co-Chair)     |
| <input type="checkbox"/> Thomas Hanson, Maricopa County                              | <input type="checkbox"/> Craig Rasmussen, University of Arizona                     |  |

## ADEQ STAFF

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| <input checked="" type="checkbox"/> Trevor Baggiore, ADEQ, Water Quality Division Director | <input checked="" type="checkbox"/> Linneth Lopez, Environmental Engineering Specialist III                           |
| <input type="checkbox"/> Naveen Savarirayan, Manager, Groundwater Protection Value Stream  | <input checked="" type="checkbox"/> Raymond Morgan, Trainer, Groundwater Protection, Groundwater Permits & Reuse Unit |
| <input checked="" type="checkbox"/> Matt Ivers, Groundwater General Permits and Reuse      | <input checked="" type="checkbox"/> Luke Peterson, Environmental Engineer Specialist 3, Groundwater Protection        |
| <input checked="" type="checkbox"/> Theresa Gunn, Project Manager                          | <input checked="" type="checkbox"/> Heidi Welborn, Legal Support  |
| <input type="checkbox"/> Jon Rezabek, Legal Specialist                                     | <input type="checkbox"/> Morgan O'Connor, Community Liaison   |
| <input type="checkbox"/> Karthik Kumarasamy, PhD, Engineer III                             |   |

Agenda Topic	Lead	Overview	Documents (* on ShareFile)	Action Requested	NOTES
<b>Welcome</b> (10 mins)	Jake Garrett, Chair	Roll Call Meeting Notes Review Agenda Review Ground Rules	Sept Summary* Oct Agenda* Ground Rules*	Approval of Notes	Sept. summary submitted for feedback through ShareFile: no comments received. Motion to accept September Kitt moved and Dave B seconded. Passed.

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<p><b>Technical Work Groups Reports</b> (50 mins)</p>	<p>TWG Chairs</p>	<ul style="list-style-type: none"> <li>• O&amp;M: Dave B</li> <li>• 1.09: Maher</li> <li>• Design/Permitting: David M/Ashley</li> <li>• Future State: Colin</li> <li>• PPL: Joelle</li> <li>• Training/Certification: Cullin</li> </ul> <p>Data Justification: Theresa</p> <p>Discuss potential schedule: Theresa</p>		<p>Status Reports</p>	<p><b>O&amp;M:</b> Dave reported the team has formed an outline of the perfect program. Property transfers go away and be replaced by a mandated maintenance program and a renewable permit. Homeowner retains operator and annual report submitted. DEQ uses reports to populate a database to track reporting. Homework is to review other state programs on ShareFile and find what is relevant to Arizona. Dave also met with the ROI/NOT subgroup.</p> <ul style="list-style-type: none"> <li>• How to bring in the existing systems without opposition?</li> <li>• What funding will be needed to fund (staff) the permit program and the database?</li> <li>• What will be done with the ADEQ database?</li> <li>• Consider the permit is for the property not the owner and transfer is not needed as it runs with the land like an easement.</li> <li>• Who is going to train operators and keep them up to date and ensure they are qualified? Consider a 5<sup>th</sup> certification for onsite operators.</li> <li>• Enter into the program at the time of sale.</li> <li>• Public sector difficulties in hiring.</li> <li>• Transitioning to a renewable permit may be difficult unless tied to time of sale to get a new permit.</li> <li>• At time of sale, disclose the pumping record. Put on a 5-year timeline.</li> <li>• Enforcement may be difficult; could be the hardest part.</li> <li>• It is positive to take out of the hands of the Realtor as this is a problematic part of the program.</li> <li>• Existing database for online reporting from control boxes at the site and could interface with county systems.</li> <li>• Could have an operating permit as the renewable permit.</li> </ul> <p><b>1.09:</b> Finished the phase 1 rule changes.</p> <p><b>Design/Permitting:</b> David reported the work is still being done in the subgroups. Create a book of where all of the information will reside to provide the history of the decisions made and supporting documents.</p> <p><b>PPL:</b> Joelle reported on the four assumptions for the future program. Looking at tier approach to approvals with parameters at each tier. Review to be completed using third-party testing and monitoring with compliance sampling to ensure the systems are performing. Issues are enforcement, funding, field testing. Group is working on the various approaches. What is the process for delisting and how can we allow for pilots. Other issues cold weather, stacking, reference design and smaller disposal fields.</p> <ul style="list-style-type: none"> <li>• In the field, do not want to design on the testing parameters.</li> </ul>
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					<ul style="list-style-type: none"> <li>• Not a standard for third-party testing.</li> <li>• Owner contract; how long and how enforced.</li> <li>• ADEQ needs to have enforcement authority in rule.</li> <li>• Needs independent third party holding the hearing.</li> <li>• Technical advisory committee will be helpful for ADEQ for input before approval.</li> <li>• Hearing the push for O&amp;M and sampling, but do we have places that have onsite systems contaminating groundwater.</li> <li>• Compliance sampling is rigid in some locations which allow for tweaking based on inputs. We don't know because we are not looking. But most of systems are to be maintained and without requiring O&amp;M the system doesn't function as intended.</li> <li>• Update and reset of all current PPLs is needed.</li> <li>• Fixed on black box technology, but there are 2 PPLs which are not easy to measure what comes out of the system.</li> <li>• Referenced design status; is it going away?</li> <li>• Could we collaborate with manufacturers on testing?</li> <li>• Will need to provide homeowners with certainty that testing will not result in violations.</li> <li>• Also look at non-PPs in the rule.</li> <li>• Manufacturer could specify maintenance for a 20-year life to enable 20-year cost comparison.</li> <li>• How does stacking affect F/M ratio, what about systems which are sized for large homes, but inflow doesn't come close to design flow, how do we define stacking?</li> </ul> <p><b>Training/Certification:</b> Cullin stated the group continued discussion of the peer states. The team is working on the first section of the white paper (current state and gaps in the current state). The group is making progress.</p> <ul style="list-style-type: none"> <li>• How will the training be provided? Just UofA and do they have the capacity?</li> <li>• Where does the funding come from?</li> <li>• Could be similar to the drinking water operator license and partner with another organization.</li> <li>• ADEQ uses the ABC program for the operator training at Gateway College. Should consider reaching out to them.</li> <li>• Multi-tier approach to the operator training and certification from basic to design, engineering and soil studies.</li> <li>• NAU used to have a demonstration garden of products in the ground.</li> <li>• Davis Camp used to have an AzOWRA training site.</li> <li>• Biennial wastewater conference could be a good location/time for training.</li> </ul>
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<b>Future EcoSystem Homework</b> (30 mins)	Jake Garret	Review the input provided by members on what they see as the future of the industry		For Discussion	The team reviewed the white board and identified key themes. See white board image at the bottom of the notes.
<b>Phase 1 Rulemaking</b> (15 mins)	Matt Ivers, ADEQ Groundwater Permits Unit Manager	Provide an update on the rulemaking schedule and provide an update on how OWAC input was used to revise the rule		Status Report	<p>Stakeholder comments due on October 21. Finalize NPRM on November 9 and file with SOS on November 29. December 17 begin the formal comment with hearing on January 18. March 22 notice of final rulemaking with GRCC and with SOS by May 4 with July 3 effective date. Having a discussion on Stacking can still occur on November 2 and be in time for rulemaking.</p> <p>Heidi review the areas of the rule which were changed based on the input from OWAC members.</p>
<b>Phase 2 Rule Outline</b> (20 mins)	Jake Garrett			For Discussion	Jenny stated she is using a historical document to create a “book” that provides the background details of the who/what/why of proposed rule changes.
<b>Homeowner use of Non-PPL Product</b> (15 mins)	Matt Ivers	Provide an update on ADEQ’s position based on input received during last meeting		For Discussion	Matt stated ADEQ’s intent is to allow use of a non-PPL product after ADEQ review of complete PPL style documentation submitted by the homeowner. The agency has added language in the draft rule that if ADEQ does not have time and resources they can not use an unapproved proprietary product. Does this include pre-treatment as there are no devices on the list today? Pre-treatment needs stacking in a commercial situation.
<b>Program Updates</b> (5 mins)	Matt Ivers, ADEQ Groundwater Permits Unit Manager	<ul style="list-style-type: none"> <li>• SPS</li> <li>• Board of Technical Registrations</li> </ul>		For Information Only	<p>Six white papers are out for review and ADEQ is seeking comments by October 21. These papers are used as background for the SPS.</p> <p>BTR met and is not planning to provide input. They have recommended ADEQ contact their legal representation for clarification.</p>
<b>Review New Action Items</b> (5 mins)	Theresa Gunn, Project Manager	<p>New Action Items</p> <p>Updates:</p> <ul style="list-style-type: none"> <li>• Annual Membership Recruitment</li> </ul>	Action Plan	For Information Only	<p>Register: <a href="https://register.gotowebinar.com/register/7271130185853031437">https://register.gotowebinar.com/register/7271130185853031437</a></p> <p>Purpose of the meeting is to get input on the draft proposed rule changes. Members are encouraged to register and attend.</p> <p>Theresa will be contacting members whose terms end in December. Applications will be open in November and selection in December.</p>



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		<ul style="list-style-type: none"> <li>Register for Thursday's meeting</li> </ul>			
<b>Adjourn</b>	Jake Garrett, Chair				Joelle moved to adjourn and David M seconded.

No.	Action to be Taken	Person Responsible	Due Date	Comments	Percent Complete				Date Complete
					25	50	75	100	
34	Strawman for Phase 2 rule structure	Jenny and Jake			25	50	75	100	
39	Suzanne to provide historical information on performance (Thayer Report)?				25	50	75	100	
40	Add stacking to the November agenda	Theresa			25	50	75	100	
41	Ask for comments submitted to BTR before making a decision or determination	ADEQ			25	50	75	100	
42	Send list of how OWAC input was used in phase 1 rule comments	Heidi			25	50	75	100	
43	Send out data justification paper to OWAC members	Theresa			25	50	75	100	
44					25	50	75	100	

