



# Meeting Agenda/Summary

<b>Meeting</b>	Water Quality Division: Onsite Wastewater Advisory Committee (OWAC)
<b>Date</b>	Tuesday, March,4, 2025
<b>Start / End Time</b>	9:00 am – 11:00 am (MST)
<b>Location</b>	Google Meets link in calendar invite
<b>Documents</b>	Located in ShareFile - <a href="https://azdeq.sharefile.com/">https://azdeq.sharefile.com/</a>

### MEMBERS

- Dave Bartholomew ,BWS Inc, Chair
- Mike Stidham, EZ Treat, Vice Chair
- Aline Parker-Eaton, Northern Arizona Inspection
- Brian Knisley, Maricopa County
- Crystal McKee, Mohave County
- Haiden LaFoy, Greenlee County
- Jeremy Griffin, Apollo Drain and Septic Services
- Kevin Sherman, SeptiTech
- Kitt Farrell-Poe, University of Arizona(Late)
- Nicholas Noble, Orenco

### ADEQ STAFF

- Trevor Baggione, Water Quality Division Director
- Randall Matas, Water Quality Division Deputy
- Kyle Uptergrove, Unit Manager
- JW Thompson, Environmental Engineering Specialist
- Natalie Kilker, Legal Specialist
- Raymond Morgan, Trainer
- Linneeth Lopez, Environmental Engineering Specialist
- Ali Baadiyan, Environmental Engineer Specialist III
- Luke Peterson, Environmental Engineer Specialist III
- David Lelsz, Program Manager
- Dan Borns, Project Manager
- Mannie Rehm Bowler, Liaison
- Laura Carusona, Manager

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Agenda Topic	Lead	Overview	Documents	Action Requested	NOTES
9:00 am <b>Welcome</b> (10 mins)	Dave Bartholomew, Chair	Roll Call / Contact Information Review	<a href="#">owac_procedures.pdf</a> <a href="#">OWAC Members List Spring 2025 Update</a>		Members Verified Contact Information during Role
9:10 am <b>Summary review</b> (10 mins)	Dave Bartholomew, Chair	Review February meeting summary for approval	<a href="#">February 4, 2025 OWAC Meeting Summary Live Edit.docx - Google Docs</a>	For Decision	Motion: Mike S 2nd.: Nick N Vote: Approved Unanimus
9:20 am <b>ADEQ / OWAC Training Events</b> (5 min)	JW Thompson, ADEQ	OWAC / ADEQ Training Onsite Wastewater System Design for Truckstop w/ a Restaurant Part 2 Presented by Mike Stidham and Ray Morgan Date TBD.	<a href="#">ADEQ   Delegation Agreement Training   ADEQ</a>	For Information	Next Event to be determined

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<p>9:25 am</p> <p><b>OWAC Member Recruitment Update</b></p> <p>(10 min)</p>	<p>ADEQ,</p> <p>JW Thompson</p>	<ul style="list-style-type: none"> <li>• Member suggestions</li> <li>• Timeline</li> <li>• <b>New OWAC Email - <a href="mailto:OWAC@azdeq.gov">OWAC@azdeq.gov</a></b></li> </ul>	<p><a href="#">2025 New OWAC Member Recommendation</a></p> <p><a href="#">OWAC Membership Application 2025</a></p> <p><a href="mailto:OWAC@azdeq.gov">OWAC@azdeq.gov</a></p>	<p>For Discussion &amp; Vote</p>	<p>New OWAc Email</p>
<p>9:35 am</p> <p><b>ADEQ Rulemaking Update</b></p> <p>(10 min)</p>	<p>David Lelsz,</p> <p>ADEQ</p>	<p>Update on Engagement plan, permit and rule drafts</p>		<p>For Information</p>	<p>Behind schedule in draft rule making.</p> <p>Working on outreach to pumpers and inspectors.</p>

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<p>9:45 am</p> <p><b>Old Business</b></p> <p>(30 min)</p>	<p>Dave Bartholomew, Chair</p>	<ul style="list-style-type: none"> <li>• Vote to Change OWAC Term Start / End Date</li> <li>• Nitrogen Loading Rate @ 15g per person/ day</li> <li>• Table 1 Updates to fixture values.</li> </ul>	<p><a href="#">OWAC Charge Feb 4, 2025 - Nitrogen Loading / Table 1..pptx</a></p> <p><a href="#">OWAC Commentable - Table 1 Revised Organic Loading Version 4.xlsx</a></p>	<p>For Discussion</p>	<p>OWAC Term Start / End Date Change</p> <p>Motion to extend terms of existing OWAC members to June 30 of the following year. To maintain continuity of the council till the change in term on June 30th of the following year</p> <p>Motion: Nick N</p> <p>2nd: Crystal M</p> <p>Move to Vote Kevin</p> <p>Vote: Approved Unanimus</p> <p>Nitrogen Loading Rate:</p> <p><b>Is the 15 g total/person/day appropriate value for this calculation in R18-9-A309(A)(8)(c)(ii)?</b></p> <p>What are the consequences of moving from 0.088 lbs total nitrogen (39.9 g)/ac/d to 0.033 lb (15 g)/person/d? Ray believes that it won't affect the drainfield sizing. There are concerns about applying data from NSF to Arizona conditions and under non-residential situations (NSF does testing in the eastern U.S. with the resulting temps and precip; testing data is for residential, single-home; "spoon-feeding" a technology). Concerns about implementing NSF and then the design needs to change to get the technology to work, then no longer doing the treatment as NSF described. In AZ, dwelling unit ~2.6. Research indicates that the amount of 10</p>
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					<p>g/person/d is what is actually produced. If we agree that 10 g/person/d is the actual number, then what is the appropriate safety factor: 10%, 20%, 30%, 50%? EPA is using 11.2 g/person/d.</p> <p>Motion (Nick Noble): Based on research, the established total nitrogen is 10 g/person/d, and AZ agrees on a 11.2% safety factor resulting in a legal limit of 11.2 g total nitrogen/person/d. Seconded by Mike Stidham.</p> <p>Motion (revised draft): ADEQ adapts the EPA limit of 11.2 g total nitrogen/person/d.</p> <p>Motion (revised 2nd draft): ADEQ adopts the EPA limit of 11.2 g total nitrogen/person/d which includes a safety factor of 12%. Seconded by Mike S.</p> <p>ADEQ needs a research citation for the 10 g/person/d.</p> <p>Brian Knisley: I believe this is the Journal with the EPA reference  <a href="https://journals.flvc.org/edis/article/view/119275">https://journals.flvc.org/edis/article/view/119275</a></p> <p>Mannie Rehm Bowler suggested both using a template and obtaining a PE to look at the recommendation.</p> <p>Dave B suggests that an Arizona PE be invited to serve on OWAC.</p>
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					<p>Research is needed to both support the 11.2 g/person/d and the safety factor amount.</p> <p>2<sup>nd</sup> motion revision passed unanimously.</p> <p>Motion: Nick N</p> <p>2nd: Mike S</p> <p>Vote: Approved Unanimus</p> <p>OWAC to Present final recommendation at next meeting.</p> <p>Table 1 Updates:</p> <p><b>UPDATES to TABLE 1 – Unit Design Flows</b></p> <p>JW shared a shared google Excel doc <a href="#">OWAC Commentable - Table 1 Revised Organic Loading Version 4.xlsx</a></p> <p>Nick requested that we delay discussion on the table until a later date while we spend more outside time to review and add citations/explanations.</p> <p>This table was developed by Ray with a legend starting in column K. He suggested removing the two mass loading rate columns (Columns D &amp; E) because of all the assumptions and conversions used to create the values.</p>
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					<p>Kevin is concerned that Table 1 is attempting to do too much. He suggests additional tables for other situations/conditions.</p> <p>David L wants references to reliable external sources for numbers.</p> <p>Kevin S. ADEQ needs the entire documentation to support the decisions made.</p> <p>Ray M. Discussed about the various approaches to designing grease interceptors: based on meals vs flow. Brian K. Current interceptor rules are unclear (tanks in series vs 1 large). Kevin S. is very concerned about designing based on meals/d because this is a very difficult number to get right.</p>
<p>10:15 am</p> <p><b>Open Floor/New Business</b></p> <p>(45 min )</p>	<p>Dave Bartholomew, Chair</p>			<p>For Discussion</p>	<p>Kitt: a need to review the Uniform Soil &amp; Site Evaluation Report for omissions, typos, etc.</p>



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11:00 am <b>Adjourn</b>	Dave Bartholomew, Chair		Reminder April meeting is on Apr 8, 2025	For Decision	Adjourned 10:48 am
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