February 3, 2022 Onsite Wastewater Treatment Program: Joint Technical Workgroup Meeting

AGENDA

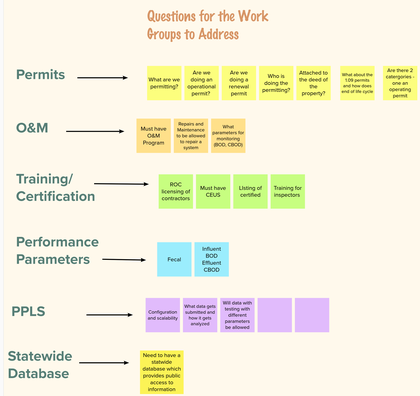
- Welcome
- Today's Meeting
- Recap in Phase 2
- Guiding Principles
- Regulatory Structure
- Planning Next Steps
- Closing Remarks

Meeting Participants

Jake Garrett, Gila County
Tom Hanson, MCESD
Kathy Mills, Mills Engineering
Jenny Vitale
Colin Bishop, Anua
Alex Kendrick, Gila County
David Lentz, Infiltrator
Joelle Wirth, Summit Environmental
Ashley Chatfield, MCESD
Bryan Chiordi, Orenco
Michael Stidham, EZ Treat
Michael Sundberg, MicroSep Tec
Fred Vengrouskie, Eljen
David Bartholomew, Bartholomew Wastewater Services
Sheryl Ervin, Infiltrator
Brian Kinsley, MCESD
Mike Basic, Basic Drilling
Susan Brereton, MHCA
Lou Brown, AZOWRA, Eljen
Doug Disbrow, AZ Wastewater Services
David Monihan, Coconino County
Kitt Farrell Poe, UofA
Robert Rubin, NCSU
John Blount, Civil Solutions
Jim King, Eljen
Frederick Tack, GHD
Trevor Baggiore, ADEQ
Randy Mathis, ADEQ
Naveen Savarirayan, ADEQ
Karthik Kumarasamy, ADEQ
Linneth Lopez, ADEQ
Matt Ivers, ADEQ
Ray Morgan, ADEQ
Heidi Welborn, ADEQ contractor
Theresa Gunn, ADEQ
Marc Flamm, ADEQ Facilitator
Holli Labrie, ADEQ OCI

Phase 2 Guiding Principles

Questions for the Work Groups to Address



TEAM AGREEMENTS

- Agreed on O&M program
- Agreed on licensing program (engineers, agency staff, installers, service providers, etc.)
- Agreed on evaluating the 100,000 gallon (4.25)
- Agreed on updating rules and expanding articles in Chapter 5 (R18-9-A, C, D, C(2), other sections as needed with sources)
- Agreed on strengthening compliance and enforcement process with alignment with delegated Counties
- Agreed on using manufacturer's specs
- Agreed on Tiered Approach
- Agreed on evaluating cumulative flow rate, including using rule based on sound science
- Agreed on providing guidance on applicability of Table 1, and address surge loading
- Note: If ADEQ does not agree to enforcement there is no program
- Agreed on using another indicator other than total coliform
- Agreed on exploring tank requirements
- Agreed on proposing a variance approach
- Agreed on developing a variance form to replace with equivalent in on-site program
- Agreed on exploring Total N and Total P as an indicator and how to bring in existing BOD data
- Agreed on evaluating nitrogen loading
- Agreed on expanding on the Sundberg definition of "operational" to include different types of wastewater
- Agreed on making a recommendation on the terms of closure of cesspools

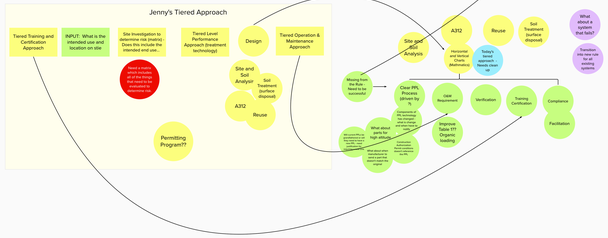
TWG NEEDS TO BE SUCCESSFUL

- 1,09 - Is this a legitimate group? Combine with design group
- Transparency, Reach beyond the usual suspects, Keep the discussion on the table, Low EJ!
- Future Team - Pick up meeting again - progress with water reuse agenda - bring in other experts
- PPL - Need representation - make sure there is representation (need representation & PPL filters)
- O&M - Merge with Training and Certification (Bryan - be the liaison)
- Quarterly joint meetings - Kansas and Kridget - Fall day (May)

TO DO

- Send out Karthika data justification (Theresa)
- Send Mural link to participants (view only)

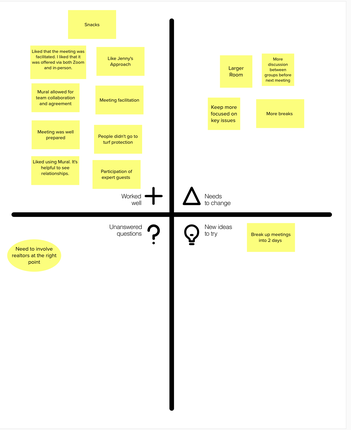
TIERED APPROACH



Issues discussed during afternoon which led to agreements

TWG ASSIGNMENTS

What question do we need to have answered? Or future decision needed?	What science is needed?	1,09 (These groups are combined)	D/P (These groups are combined)	Future State	O&M	PPL	Train/ Cert (These groups are combined)	By When?
		TWG Assigned ✓✓✓✓				✓✓✓		
Need a matrix to determine strength of evidence upon which decision is made - remove biases		✓		✓	✓	✓	✓	
How to determine the lifetime costs of O&M and include in cost benefit analysis					✓	✓		
Feedback on fatal flaws on recommendations (ADEQ task)								
Need to have a matrix on how to make decisions based on the site investigation - and includes a list of site conditions including the influent water		✓	To be determined in groups					
Who will draft the preliminary tiers and the definitions?		✓		✓	✓	✓	✓	
How can the groups collaborate for consistency? Committee liaison to meet regularly? (Full day every quarter)		✓		✓	✓	✓	✓	
Department stand on cesspools (ADEQ task)								
Design guidelines								
Dispersal guidelines								
Are we doubling parameter requirements with groups		✓						

What is the deadline to complete the TWG work:
12 months after ADEQ gives go ahead on work done today - in writing

PLUS/DELTA