



Recycled Water: Where are We? Where are We Going?

Recent and Upcoming Rule Changes
Dave Dunaway (May 22, 2018)

What is Recycled Water?



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This has been going on a loooooooooong time.

- 1926 – Grand Canyon Village
“1st Treatment plant in the US built for water reuse”



- Allows an “advanced reclaimed water treatment facility” to treat wastewater to where it can be a drinking water source.

Interim Guidance

- Start with “+” water.
- Be an “advanced reclaimed water facility.”
- Consider the water to be a surface water under the SDWA if a public water system.
- Provide a detailed “design report” addressing source water, treatment, unregulated contaminants, operator training.



Is It Safe?

Would I drink it? Yes, and have.



Is It Safe?

Would I drink it? Yes, and have.

Would I let my kids drink it?

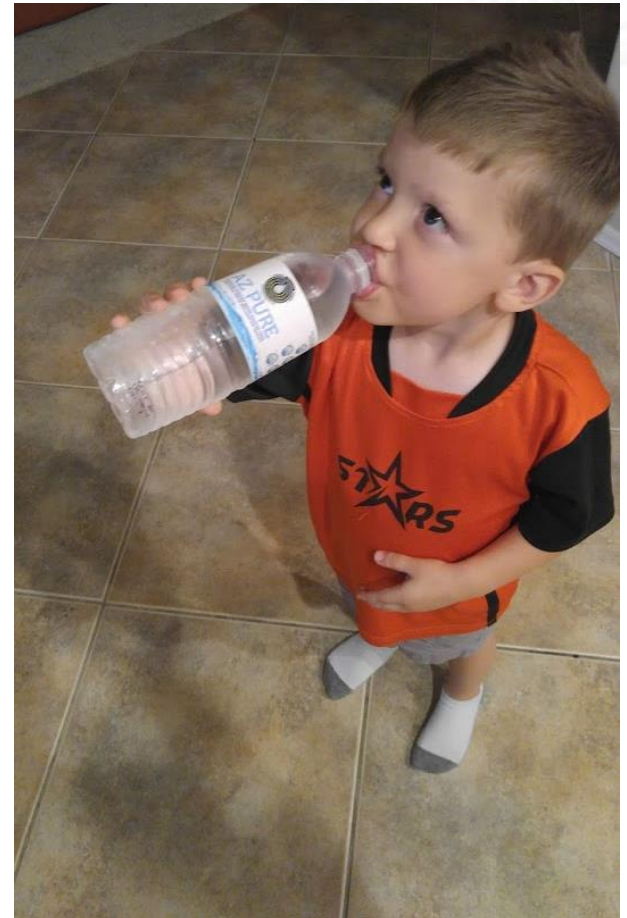


Is It Safe?

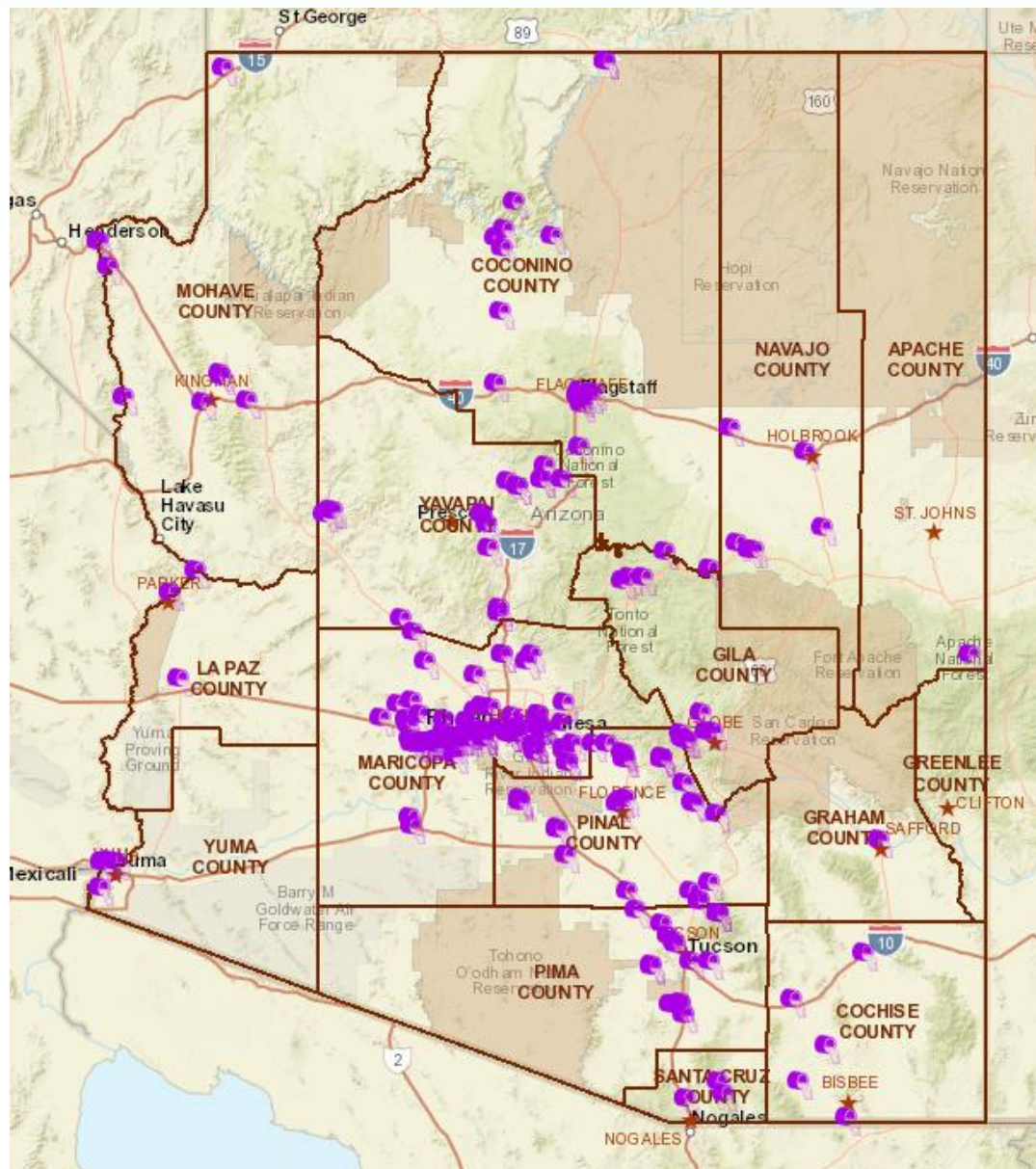
Would I drink it? Yes, and have.
Would I let my kids drink it?



YES!
(and I'm fond of
both of them)



Really, really?



Here's a map of AZPDES outfalls...I counted 10 right on Colorado River alone.

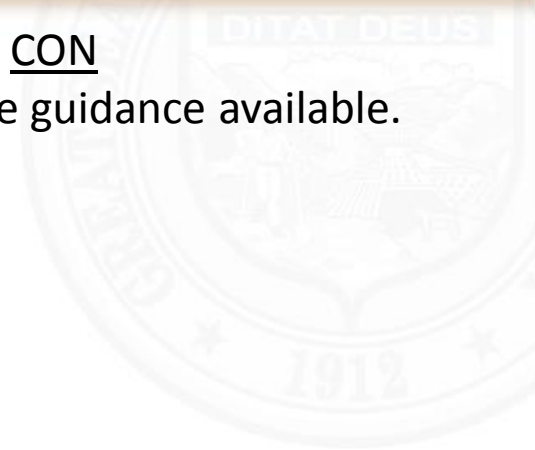
Why this format?

PRO

- Allows innovation and progress now!

CON

- ADEQ doesn't have guidance available.



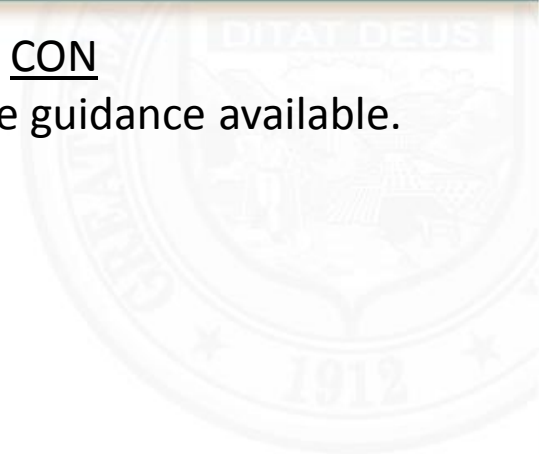
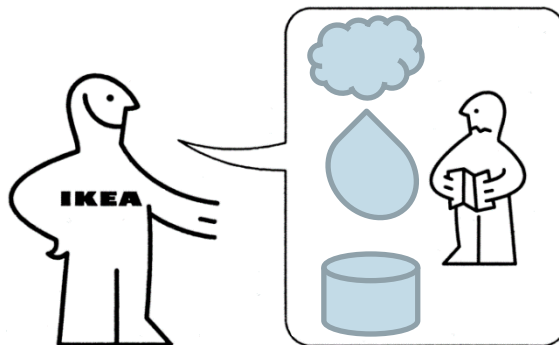
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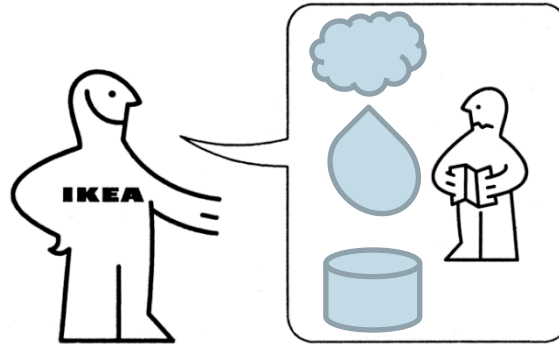
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- Technology is proven!

- The bureaucracy is not.



- **Gray Water**
 - Broadened, specific guidance included.
 - Ambiguities removed.
 - Increased utility of commercial gray water.
- **Signage requirements**
 - Modifications to conveyance signage distance now allowed with ADEQ approval.
 - Changes to accommodate signage on dispersal equipment other than trucks and tanks.
 - Some notice and reporting modifications.

- Intended to be a “phased” approach. We’ve opened the door...
- Three workgroups reports to turn into rule
 - Infrastructure/Technology and Water Standards reports are completed.
 - Onsite wastewater systems, just getting started.
- Program expansion!
 - Hiring a Recycled Water Scientist (long term)
 - Contracting experts in the field (short term).



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Current Triennial Review Schedule

- May – Stakeholder comments/suggestions
- Mid May – Begin drafting standards package
- Mid July – Draft Standards and rules available for review
- August – Stakeholder Meetings
- September – File NPRM with Secretary of State
- November – Public Hearing
- April 2019 – Rules Effective

