Reclaimed Water Rules Revision
Listening Session Workshop

Tucson, AZ
February 12, 2016
1926 – Reuse of reclaimed water begins at South Rim, Grand Canyon

1972 – First reclaimed water rules, ADHS

1987 – EQA establishes ADEQ, which begins administering reclaimed rules

1999 – ADEQ gets clear legislative authority for permitting use of reclaimed water

2001 – New comprehensive rules transform program
82% of reuse occurs in just four states, Arizona being one.
Arizona is 2nd highest nationally in per capita reuse

2014 population in millions

Reuse Per Person, 2014

- Florida: 36.0
- California: 16.0
- Texas: 10.1
- Arizona: 27.6
## Reclaimed Water Use

...but #1 at integrating reuse into the water supply portfolio

<table>
<thead>
<tr>
<th>Water Reuse Capacity (AF/yr)</th>
<th>Reclaimed Water as % of Total Water Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Israel</td>
<td>510,000</td>
</tr>
<tr>
<td>Singapore</td>
<td>80,783</td>
</tr>
<tr>
<td>United States</td>
<td>3,400,000</td>
</tr>
<tr>
<td>Florida</td>
<td>955,000</td>
</tr>
<tr>
<td>California</td>
<td>807,000</td>
</tr>
<tr>
<td>Texas</td>
<td>482,000</td>
</tr>
<tr>
<td>Arizona</td>
<td>504,000</td>
</tr>
</tbody>
</table>

Source: Bluefield Research
1. Keep up with the rapidly moving reclaimed/reuse field

2. Sustainable water supplies are becoming increasingly important

3. Advance ADEQ Strategic Goals
   a. Support environmentally responsible economic growth
   b. Enhance Arizona’s unique environment
Rulemaking Process
Who’s Involved?

Governor’s Regulatory Review Council (GRRC)
Secretary of State’s Office (SOS)
Agency ADEQ
Rulemaking Process

1. **Agency files Docket Opening**
2. **Agency prepares Notice of Proposed Rulemaking**
3. **Public Hearing on proposed rules**
4. **Agency prepares Notice of Final Rulemaking and submits it to GRRC**
5. **Rule changes effective 60 days later**

We are here

**3 weeks**

**30 days public comment**
Reclaimed Water Conveyances
(18 AAC, Chapter 9, Article 6)

R18-9-601. Definitions

R18-9-602. Pipeline conveyances

R18-9-603. Open water conveyances

Reclaimed water pipeline,
City of Chandler
Direct Reuse of Reclaimed Water (18 AAC, Chapter 9, Article 7)

Scope: Permits, permitting process

R18-9-701 & 702. Definitions & applicability of rules

R18-9-703. Transition of permits

R18-9-704. General requirements, including signage

R18-9-705 & 706. Individual permit requirements

R18-9-707. Individual permit with industrial wastewater influence
Direct Reuse of Reclaimed Water (18 AAC, Chapter 9, Article 7)

Scope: Permits, permitting process

R18-9-708. Overall general permit requirements

R18-9-709 & 710. General permit renewal, transfer, revocation

R18-9-711. General permit for private residential gray water use

Direct Reuse of Reclaimed Water (18 AAC, Chapter 9, Article 7)

Scope: Permits, permitting process

R18-9-717. General permit for blending facility

R18-9-718. General permit for reclaimed water agent

R18-9-719. General permit for non-residential gray water use

R18-9-720. Enforcement and penalties
Reclaimed Water Quality Standards (18 AAC, Chapter 11, Article 3)

Scope: Standards and allowed end uses

R18-11-301 & 302. Definitions and applicability


R18-11-308 & 309. RWQS for industrial use and unlisted uses

Appendix A. Table of allowed end uses
What these revisions don’t cover

• BADCT requirements for WWTPs (under APP)

• Fees for reclaimed water permits (fee rules)

• Criteria for recharge of reclaimed water (permitted under APP)

• Development of certified operator classification for reclaimed water distribution systems (would fall under operator certification rules)
Five Categories:

1. Conveyances/Infrastructure
2. Permits/Permitting Process
3. End Uses and Reclaimed Water Quality Standards
4. Gray Water
5. Other
15 minutes total
Write suggested changes/improvements on Post-it notes
Post on one of the category topics

*Please use a verb and a noun in your Post-it comment.*

We’ll review and discuss together the Post-it notes for each category.