Tucson Water
Mayor and Council Study Session

Per- and polyfluoroalkyl Substances (PFAS)

December 17, 2019
Our Drinking Water is Safe

• Tucson Water has been testing for PFAS since 2009
• We have tested every individual drinking water production well
• We identified areas of the aquifer that contain PFAS and manage our pumping to reduce risk
• We set conservative operational targets for PFAS compounds found locally, not just PFOA and PFOS
• We turn off wells with detectable PFAS and we are managing PFAS within the TARP / AOP
• We coordinate with other agencies to assure the safety of our water
Tucson’s PFAS Operational Targets

<table>
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<tr>
<th>Type of Guidance</th>
<th>State</th>
<th>Status</th>
<th>Year</th>
<th>Combined PFAS</th>
<th>PFOS</th>
<th>PFOA</th>
<th>PFBS</th>
<th>PFHxS</th>
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**All of our drinking water is below these targets**

December 17, 2019
Tracking PFAS in Our Region

Northwest Area

Reclaimed System

TW PFAS Sampling in 2019: Almost 1700 Samples Over $600,000 Spent
TARP / AOP
TIA and AANG

• Low levels of PFAS in the TARP wells – managed through treatment and blending

• High levels of PFAS north of AANG need to be contained and remediated

• Working with EPA, State of Arizona, and Federal delegation
TARP AOP Carbon Change Out

- All Vessels between 12/18 and 02/19
- Vessels 5 & 6 on 09/24/19
- Vessels 1 & 2 on 12/04/19
- Vessels 3 & 4 scheduled for 12/2019
- Vessels 7 & 8 scheduled for 01/2020

Cost: ~$60,000/vessel
Next Steps
Product Liability Lawsuit

1. Court has received Tucson Water’s “Plaintiffs Fact Sheet”.

2. Plaintiffs and Defendants Committees will evaluate the fact sheets and confer to select “bellwether” plaintiffs to proceed with additional steps in litigation.

3. Defense is expected to file motions concerning the procurement requirements for AFFF; claims are related to governmental contract immunity.
Next Steps
Davis-Monthan Air Force Base

1. Continued monitoring
2. Seeking Federal funding
3. Need containment and remediation
4. Meeting between City and Base
Next Steps
TARP and AANG

1. Continued PFAS treatment
2. Continued monitoring
3. Frequent GAC change-outs
4. Seeking Federal funding
5. High-level PFAS needs containment and remediation
Next Steps
Private Wells

1. ADEQ and PDEQ are the lead agencies
2. Offers to sample private wells ongoing
3. Bottled water being offered by ADEQ
4. City is sharing data and assisting with communications
Next Steps
Federal Delegation Visits and Asks

1. Frequent communications with our Federal delegation
2. Tracking actions at the Federal level
3. Most recent D.C. office visits were November 21 with:
   1. Senator McSally
   2. Senator Sinema
   5. Rep. O'Halleran
Next Steps
TARP / AOP

1. Continue to manage PFAS to be below our conservative Operational Targets
2. Continue to monitor drinking water quality in the south side neighborhoods
3. Seek options and flexibility to manage PFAS
4. Balance our commitments under the Consent Decree
PFAS Outreach 2018-2019

• Spanish Language
  • 11 TV segments - Azteca TV/Arriba Tucson
  • 6 Radio segments – Arizona Lotus/la Caliente
  • 2 public presentations
  • 3 media contacts

• English Language
  • 51 tours/presentations – schools, neighborhoods, concerned citizen groups, professional organizations, civic organizations, nonprofits, college classes
  • 32 media contacts
  • PFAS web page
  • Facebook Live Q&A
  • Facebook & Twitter posts

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