

A Collaborative Solution

PFAS in Arizona

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Topic

1. The Regulator Challenge
2. Progress of the Plan
3. Current Projects
4. Conclusions and Takeaways

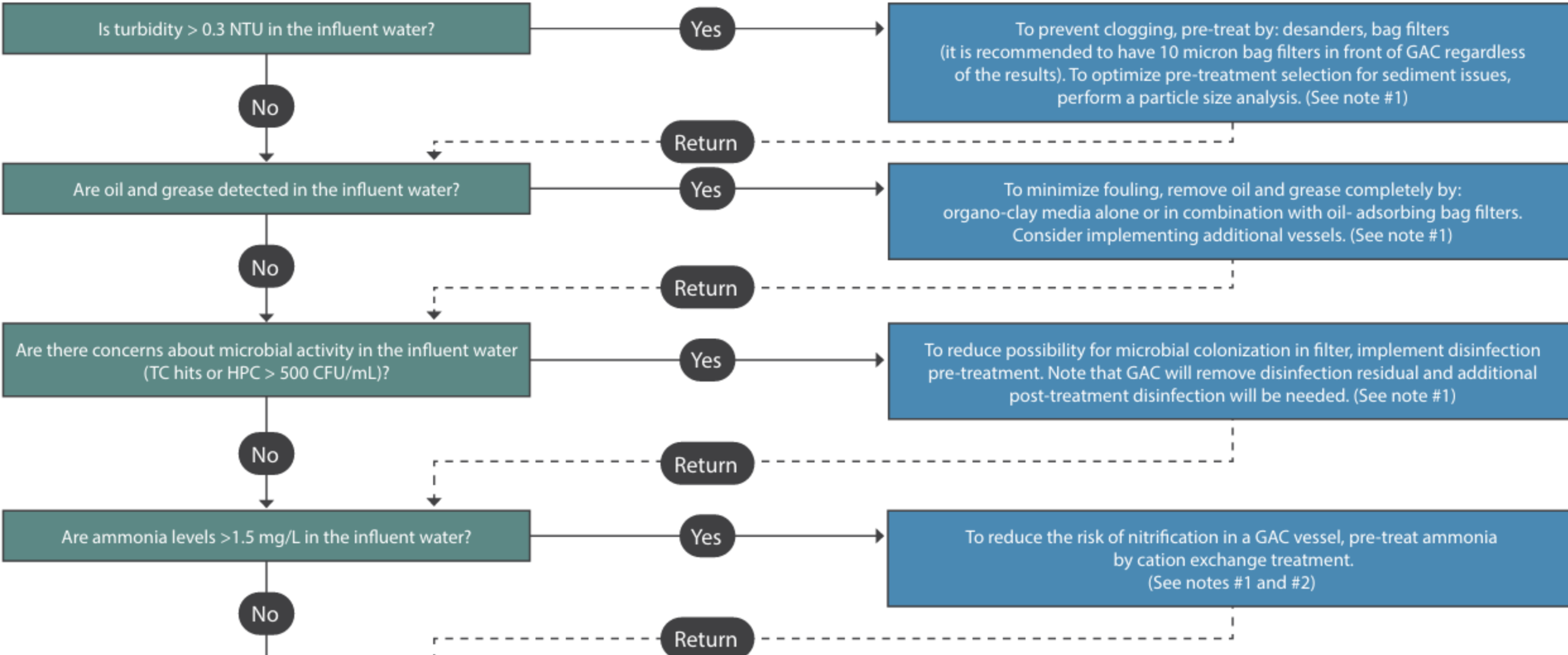
Defining the Problem

- Massive impact across the Public Water Systems in AZ
- ~115 Systems need mitigation
- ~90 are small with less than 3,300 people
- Guidance Needed! → Decision Trees
- Decision Trees were developed around the Arsenic Guidance format from EPA

Guidance Approach

- Purpose: Assist Public Water to make informed decisions
- Audience: Engineers who will ultimately be developing mitigation plans for these utilities
- How: Step-by-step Guidance
- When: As early as possible

Tree 3: GAC Treatment



Sampling and Mitigation Progress



Town of Star Valley

- 4 Community Water Systems
 - 3 small community Water Systems Impacted
 - A town well impacted
- Interconnections were most cost effective solution
- Significant Organizational challenges

City of Globe

- 3 Total Systems
 - 2 Impacted small community water systems
 - 1 City well impacted
 - Interconnections are being pursued

Valle Verde Water System

- 2 Impacted Water Systems
 - 1 small community system
 - 1 larger private utility system
- Retrofitting existing systems
- Rethinking water movement in the system
- Potential satellite treatment or central treatment system

Softwinds Community Water System

- 1 Small community water system
- Suffering from nitrate issues and PFAS
- Looking at treatment system including GAC and IX
- Working with small existing footprint
- Balancing operational challenges and long term maintenance costs

Conclusions and Takeaways

- Need for Funding
- Need for Regional Solutions
- Need for Research for more Technologies



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Expect More. Experience Better.

Thank You!