Tucson Airport Area Remediation Project (TARP)  
Monthly Project Summary – December 2021

Summary

• Tucson Water, with $2,000,000 funding from ADEQ, designed and constructed a temporary pipeline & permanent outfall structure to discharge treated water from TARP/AOP to the Santa Cruz River. Tucson Water resumed TARP/AOP operations early November 2021.

• Tucson Water continues construction on the TARP Recycled System Source Water Infrastructure Project with an anticipated completion date of September 2022. Once completed, Tucson Water will be able to discharge treated water from TARP/AOP into the TW Recycled Water System.

Tucson Water provides safe, clean & clear drinking water to all its customers.

Gallons of Water Treated = 7.952 MG
Pounds of TCE Removed = 0.17 lbs.
Pounds of 1,4 Dioxane Removed = 0.03 lbs.

Community Outreach

12/21: Michigan St. Construction Notification - Paving along Michigan St.

Note: The 7.952 MG of treated TARP water produced during December was discharged to the Santa Cruz River in accordance with Tucson Water’s AZPDES discharge permit.

Tucson Water Contacts:
Jeff.Biggs@tucsonaz.gov
Fernando.Molina@tucsonaz.gov
520-791-4331
## Water Quality Report
### Advanced Oxidation Process (AOP)

**Average Monthly 1,4 Dioxane Results for December 2021**

- **EPA Health Advisory = 0.35 ppb**
- **Method Reporting Limit = 0.1 ppb**

### Distribution System
**December 2021**

<table>
<thead>
<tr>
<th>Sample Point</th>
<th>1,4 Dioxane</th>
<th>TCE</th>
<th>PFOA &amp; PFOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-860</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
</tr>
<tr>
<td>SP-930</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
</tr>
<tr>
<td>SP-974</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
</tr>
<tr>
<td>SPV-1</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
</tr>
<tr>
<td>SPV-2</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
<td>Below Method Reporting Limit</td>
</tr>
</tbody>
</table>

Method Reporting Limits:
- 1,4 Dioxane = 0.1 ppb
- TCE = 0.5 ppb
- PFOA & PFOS = 4.0 ppt
Water Quality Report

Advanced Oxidation Process (AOP)

Average Monthly TCE Results for December 2021

- EPA Maximum Contaminant Level = 5 ppb
- Consent Decree Limit = 1.5 ppb
- Method Reporting Limit = 0.5 ppb
Average Monthly PFOA+PFOS+PFHxS+PFHpA Results
December 2021

- **EPA SDWA Health Advisory** PFOA+PFOS = 70 ppt
- **Tucson Water Operational Target** = 18 ppt
- **Method Reporting Limit (MRL) for each of PFOA, PFOS, PFHxS and PFHpA** is 2.0 ppt

<table>
<thead>
<tr>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA-030A</td>
<td>81.7</td>
</tr>
<tr>
<td>GAC Vessel Effluent</td>
<td>0.00</td>
</tr>
<tr>
<td>Outfall TARP-01</td>
<td>0.00</td>
</tr>
</tbody>
</table>
# Status Report - TARP Activities/Projects

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DESCRIPTION</th>
<th>LEAD AGENCY</th>
<th>COMPLETION DATE</th>
<th>% COMPLETE</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-127A</td>
<td>Installation of 10th remediation well to accelerate clean-up.</td>
<td>Tucson Water</td>
<td>02/2022</td>
<td>99%</td>
<td>Also Includes enhancements to pipeline route and treatment plant.</td>
</tr>
<tr>
<td>TARP Recycled System Source Water Infrastructure Project</td>
<td>Permitting and design efforts for the introduction of TARP treated water into the Reclaimed Water System</td>
<td>Tucson Water</td>
<td>9/2022</td>
<td>50%</td>
<td>Preparatory work for anticipated TARP Record of Decision (ROD) amendment that would allow Tucson Water to deliver treated TARP water into the Recycled Water System.</td>
</tr>
</tbody>
</table>

**Next UCAB Meeting:**
*January 19, 2022 @5:45 – 8:00 pm*