Tucson Airport Area Remediation Project (TARP)
Monthly Project Summary – June, 2020

Summary

• Implemented the Packed Column Aeration (PCA) Retirement Demonstration Project which removes the redundancy of the air-stripping towers and relies solely on AOP for contaminant removal.

• Completed both drilling of the 10th TARP remediation well, R-127A, and construction of a quarter of a mile of associated piping to transport water directly to AOP.

• Enhancements to AOP Plant have begun and are ongoing.

Community Outreach

6/2: Presentation – SmartScape Español – Water Supply, Water Quality, TARP/AOP (Español)
6/10 – Media – Radio Toño – WQ Update (Español)

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

Gallons of Water Treated = 110,404 MG
Pounds of TCE Removed = 9 lbs.
Pounds of 1,4 Dioxane Removed = 0.70 lbs.

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520-791-4331
# Water Quality Report

## Advanced Oxidation Process (AOP)

### Monthly 1,4 Dioxane Results for June, 2020

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

### Distribution System

**June, 2020**

<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)

Monthly TCE Results for June, 2020

EPA Maximum Contaminant Level = 5 ppb
Consent Decree Limit = 1.5 ppb
Method Reporting Limit = 0.5 ppb
Monthly PFOA+PFOS+PFHxS+PFHpA Results
June, 2020

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

- Plant Raw Water (TA-030A)
- Plant Treated Water, post-chlorination (TP-021T)
- Santa Cruz Lane Reservoir (198R) (Drinking Water System)
# 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>6/2021</td>
<td>50%</td>
<td>Also Includes enhancements to pipeline route and treatment plant.</td>
</tr>
<tr>
<td>PCA Retirement Demonstration</td>
<td>Construction of additional piping to bypass Blending Station and PCA.</td>
<td>Tucson Water</td>
<td>7/2020</td>
<td>90%</td>
<td>Removal of TCE, 1,4-dioxane and PFAS by AOP renders PCA (Packed Column Aeration) redundant. EPA will review data from Retirement Demonstration for final approval to remove PCA from treatment process.</td>
</tr>
<tr>
<td>R-006A &amp; R-007A Re-drill</td>
<td>Re-drilling of both wells to provide enhanced reliability.</td>
<td>Tucson Water</td>
<td>07/2021</td>
<td>10%</td>
<td>Due to age, the well casings at both R-006A &amp; R-007A are fragile and in need of replacement.</td>
</tr>
</tbody>
</table>

Next UCAB Meeting: July 15, 2020 meeting cancelled due to COVID-19
El Pueblo Senior Center, 101 W. Irvington Rd., 5:45-8:00 p.m.