

Ullrich Water Treatment Plant Neighbor Meeting

October 30, 2024



Agenda

14

- Welcome and Introductions
- Plant Updates
- Projects Update
- Community Feedback
- Conclusion



Introductions





Plant Updates

Stephanie Sue, PE



Plant Overview



- One of three City of Austin drinking water plants
- Built in 1968
- Upgraded in 2006 from 100 MGD capacity to current capacity
- 167 MGD capacity
- Provides water to residents and wholesale customers predominately in South Austin including the community of West Lake Hills

Basin Cleaning Update





- Annual activity to maintain basins and water treatment capabilities
- Required due to calcium carbonate accumulation that is inherent to treatment process
- Each basin cleaned once every 2 years
- Basin 1 & 6 cleaned so far in 2024, Basin 2 - through Dec

Additional improvements



- Downed trees and limbs cleared on land near West Lake Hills
 City Hall earlier this year
- Tree trimming within City property along Forrest View Dr and Red Bud Trail to be scheduled (pending dates)
- Homeless encampment removal
- Lime blower improvements





Project Updates

Dustin Rhodes, PE





Process Drain & Support Systems Improvement (\$15 million)

CIP Projects:

 5335.075 Ullrich WTP Process Drain & Support Systems Improvements

Major Project Milestones PDSSI

Project Milestone	Status
Project Start	August 15, 2022
Parking Lot Improvements	Completed
Polaris Parking	Completed
Stormwater Containment Structure	Underway, Estimated Completion: January 2025
Electrical Building	Underway, Estimated completion: January 2025
Sludge Change Over Facility	Estimated completion: June 2025
Flush Water Pumps	Underway, Estimated Completion: May 2025
Project Completion	Estimated Completion: June 2025

Construction Progress



Sludge Changeover Excavation

New Electrical Building



Temporary Pumps Location



Aerial view of Temporary Pump Location

Temporary Pump Location Street View

Electrical Resiliency Temporary Generator Set Up



Temporary Generator Set Up – North of Red Bud Trail

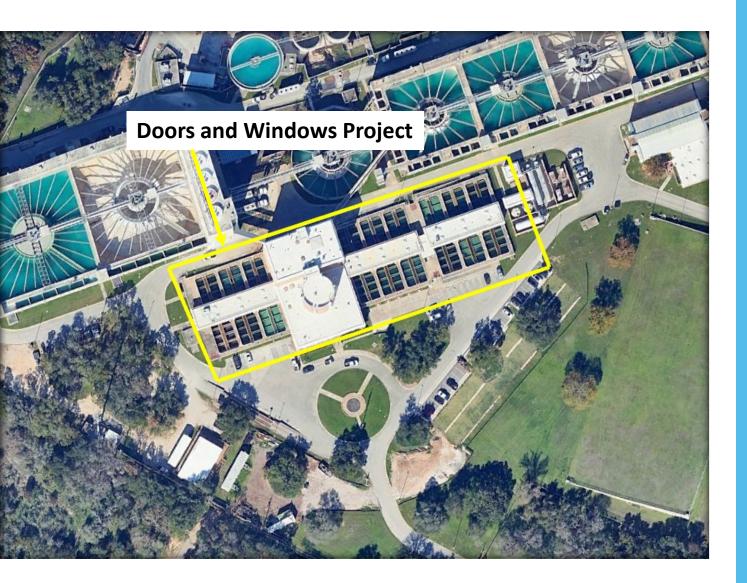




Upcoming Projects

Dustin Rhodes, PE





Locker Room Renovations, Door and Window Renewal **Project Description:**

Replace windows on admin and filter gallery buildings

Replace interior and exterior doors

Expand Women's locker room to meet ADA compliance requirements

Project Milestones:

Construction Start: Winter 2025 Estimated Completion: Summer 2026

What to Expect:

Increased Construction Noise



Disinfection Project

INHERENTLY SAFER DISINFECTION PROJECT

Project Description:

-Replace chlorine disinfection with on-site sodium hypochlorite generation
-Replace anhydrous ammonia gas with liquid ammonium sulfate system
-Installing new pipeline for disinfection system

Project Milestones:

Construction Start: Fall 2025 Estimated Completion: Winter 2028

What to Expect: Increased Construction Noise





Sound Mitigation Improvements

Anna Bryan-Borja

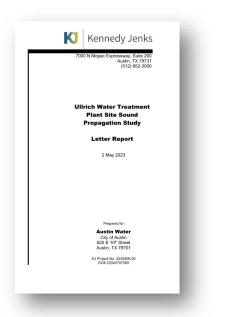
Charles Celauro, PE

Sound Study Overview

January 2008 Nelson Acoustics Sound Study

Acoustics Constant Acoustics Acousti
2008 January 28
Velson Acoustics Project No. 913
femorandum M913-02-R01
amp Dresser & McKee, Inc. Tity of Austin Ullrich Water Treatment Plant
Subject: Report, Environmental Noise at Ullrich Water Treatment Plant
EXECUTIVE SUMMARY
Velon Acountics was retained by Camp Dresser & McKee (CDM) to evaluate mysoamental sound in the visuality of the United Water Tentaneat Plant (UVTP). This immunities retain by divergible sound learning that and perturbative simulations retain to divergible sound learning that and perturbative with comparison to relevant coincia, documenting the methods, messurement and majorse profession is support of the project.
The only provided fibres summade 14-base survey series as four monitor learning differences of the series of the
Two monitors were located close to lot lines for nearby residences and two additional monitors were located at strategic locations on the UWTP size to help differentiate plant counds from other environmental isolases in the area. One of the offitte monitors also made periodic audio recordings to assist in identifying the origin of any impulsive noise events.
The Scope of Work for this project requested that plant sound be compared to outdoor environmental noise criteria from sources including the State of Texas Penal Code, City of Austin Municipal Code, US Environmental Protection Agency guidelines, and the City of West Lake Hills Municipal Code.

May 2023 Kennedy Jenks Sound Propagation Study



December 2023

Kennedy Jenks Final Modeling Report

7000 North Mopac Expressway, Suite 200 Austin, Texas 78731 (512) 852-3000
Ullrich Water Treatment Plant Site Sound
Propagation Study
Final Modeling Report
26 December 2023
Prepared for
Austin Water City of Austin
625 East 10 th Street Austin, Texas 78701
KJ Project No. 2245006.00 DOI/ 22042707360
UG# 22042707300





Sound Mitigation Improvements

Project Description:

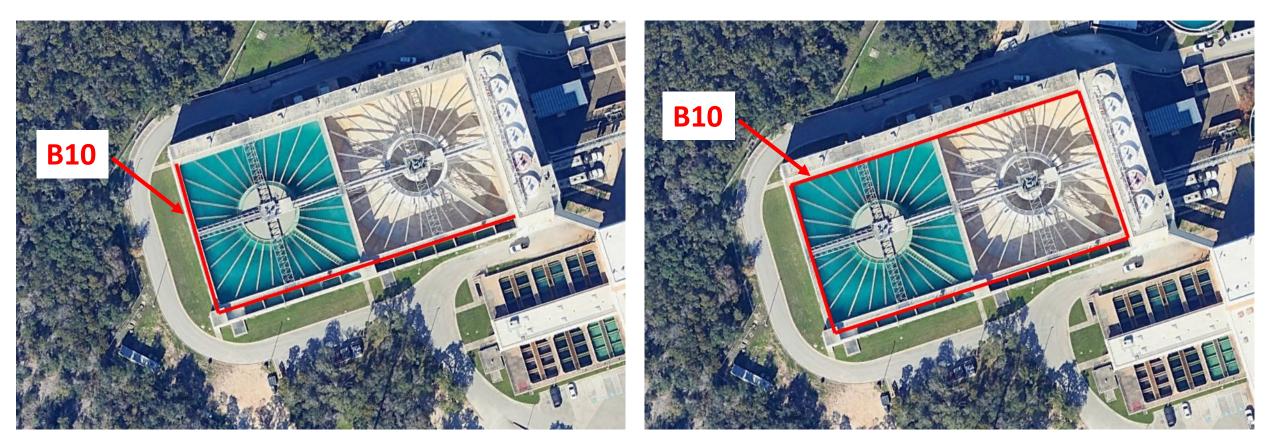
Design and construct sound mitigation structures based on the sound propagation study report recommendations

Project Milestones:

Design Start: Winter 2024 Anticipated Construction Start: 2027 (estimated)



Recommended Sound Mitigation Options Barrier B



B10 – 10-ft Barrier on top Basin 1 and 2 L-shape only B10 – 10-ft Barrier on top Basin 1 and 2 Full Rectangle

Recommended Sound Mitigation Options Barrier D



D20 – 20-ft Barrier between security fence and plant road

Recommended Sound Mitigation Options



QBB – Lime Blower with Improved noise reduction Inside Lime Building

Community Feedback

What do you want Austin Water to consider during design of sound mitigation options?

What concerns or questions do you have?

Thank you for attending.

Community Outreach Contact: Emlea Chanslor 512-972-0145 emlea.chanslor@austintexas.gov

- Call 512-972-1000 and Select
 Option 1 to report concerns at the plant, such as landscaping, noise or concerns about operations.
- Let the agent know that you want to report a "Neighbor Concern" at Ullrich Water Treatment Plant.