



Ullrich Water Treatment Plant Neighbor Meeting

October 30, 2024



Agenda

- 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

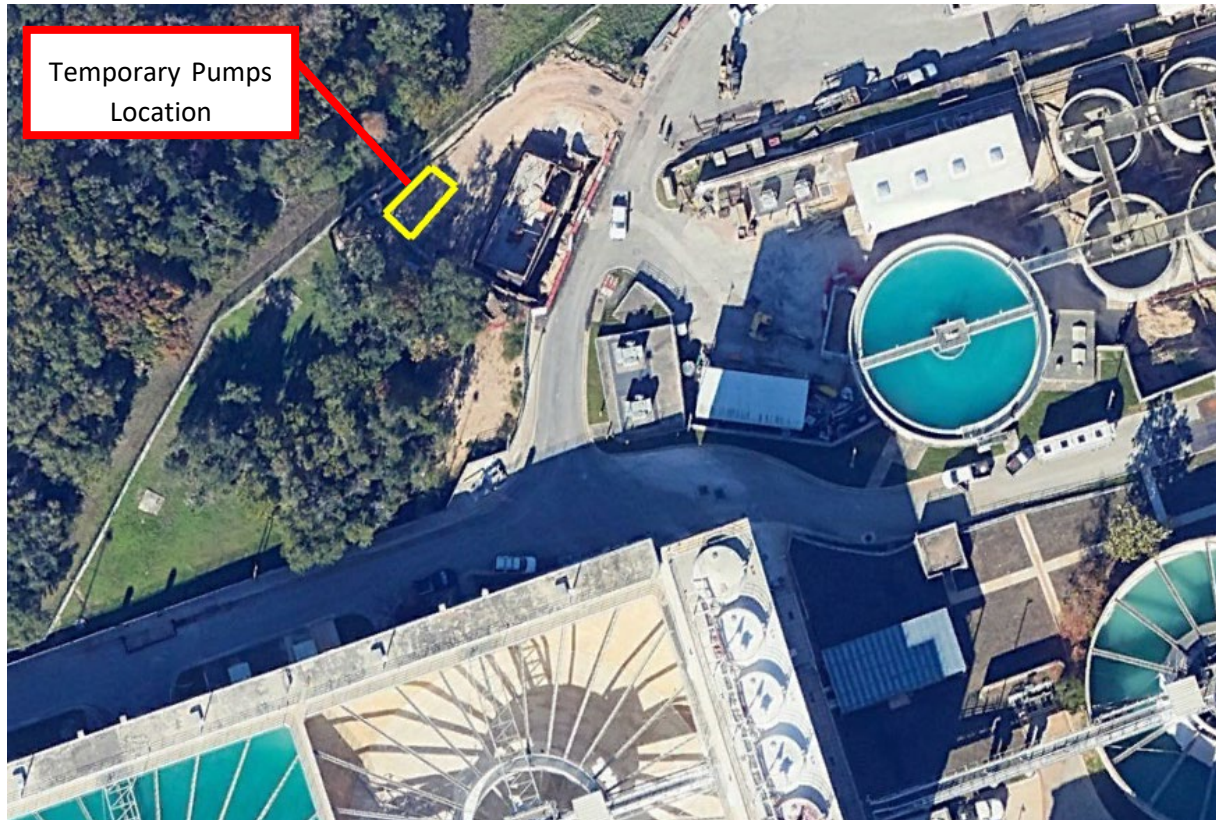


Sludge Changeover Excavation



New Electrical Building

Temporary Pumps Location



Aerial view of Temporary Pump Location



Temporary Pump Location Street View

Electrical Resiliency Temporary Generator Set Up



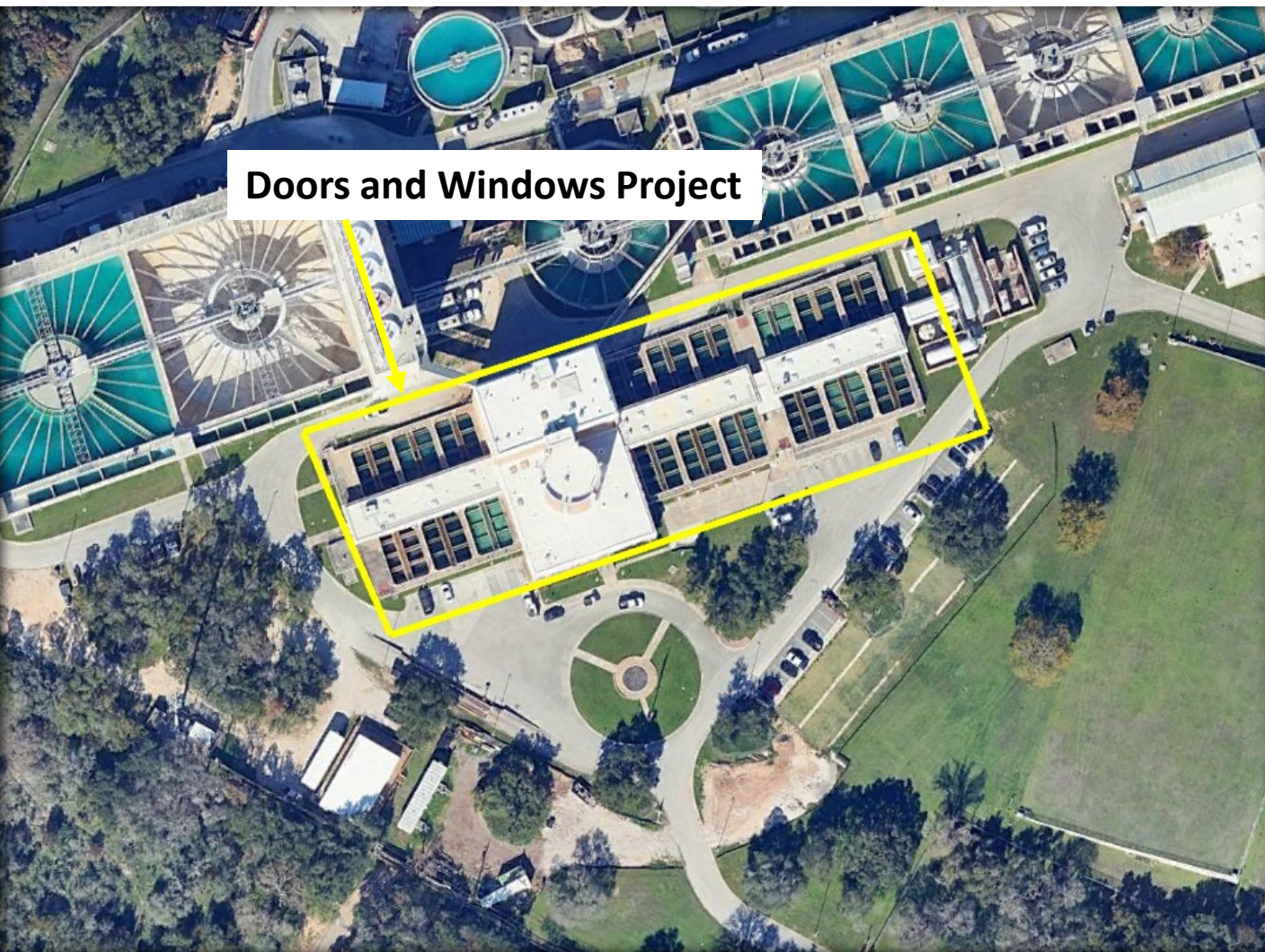
Temporary Generator Set Up – North of Red Bud Trail



Upcoming Projects

Dustin Rhodes, PE





Doors and Windows Project

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



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

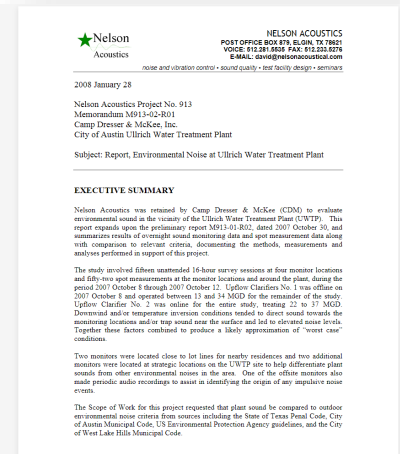
Anna Bryan-Borja

Charles Celauro, PE

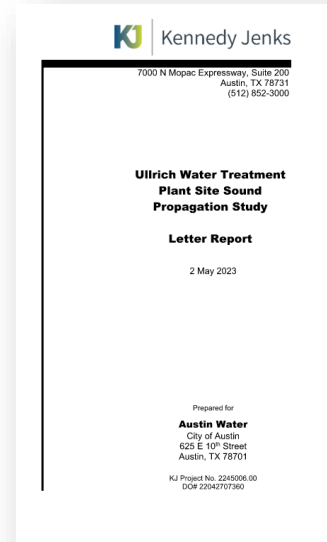


Sound Study Overview

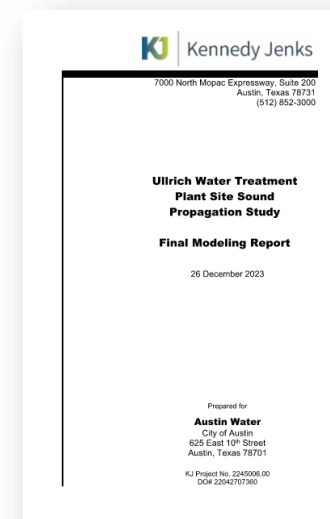
January 2008 Nelson Acoustics Sound Study



May 2023 Kennedy Jenks Sound Propagation Study



December 2023 Kennedy Jenks Final Modeling Report



Sound Mitigation Project



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)

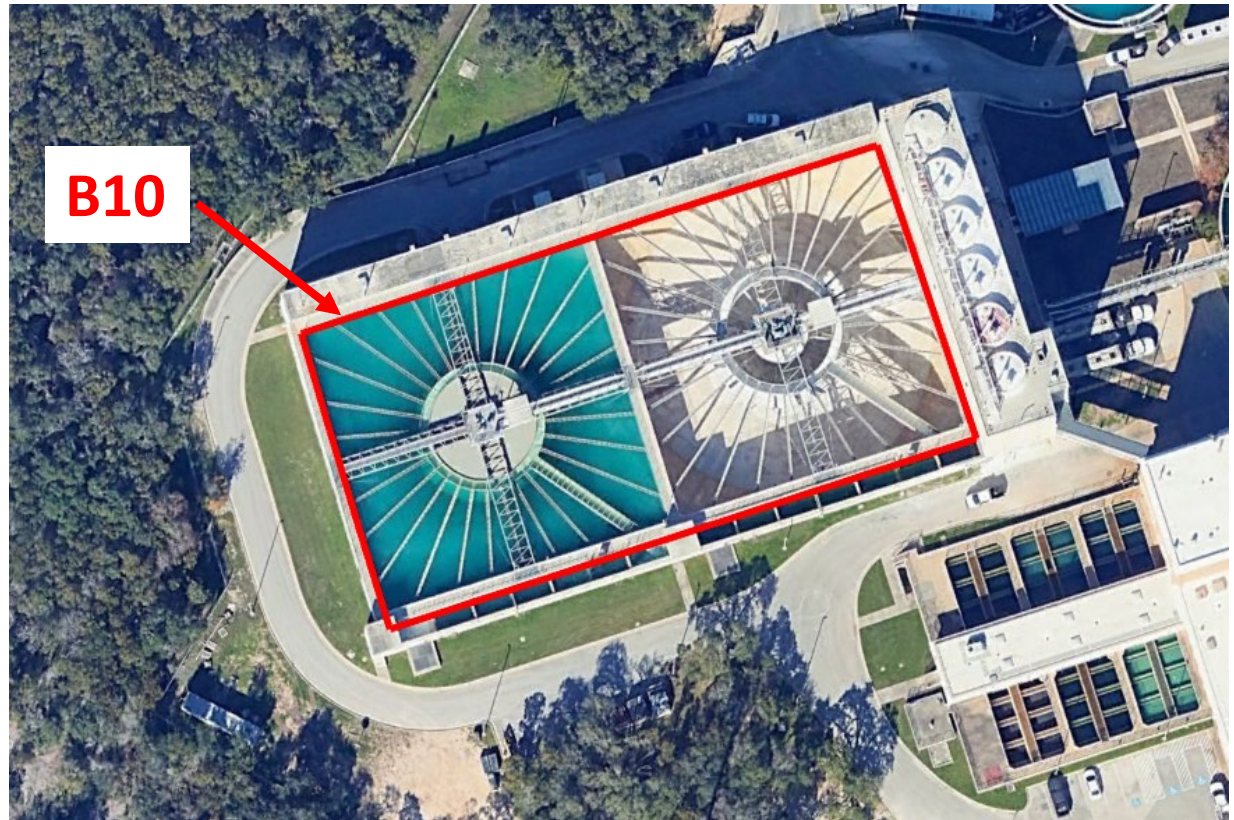


Recommended Sound Mitigation Options

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



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.

