

What to Expect During Construction:

- Sewer odors may be present outside in the vicinity of the WWTF.
- Temporary closure of the Shoreline Trail that runs along the west side of Bird Island WWTF (up to 12 months).
 - Pedestrians and cyclists will be detoured to Niagara street between Freedom Park (formerly Broderick Park) and Unity Island Park.
 - The trail will be restored following completion of the project.



Learn More

Scan the QR code for project information.

Contact Us:

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Why Are These Upgrades Needed?

Investing in Clean Water & a Resilient Buffalo

The Bird Island Wastewater Treatment Facility Upgrades are part of Buffalo Sewer Authority's Queen City Clean Waters Initiative, helping protect public health, improve water quality, and support a healthier community for generations to come.

What Will These Upgrades Achieve?

- ⚙ Modernize aging infrastructure.
- ↗ Increase treatment capacity, allowing for more flow to enter the treatment facility. This will reduce combined sewer overflows in the collection system during extreme wet weather events and ultimately improve water quality in our local waterways.
- 🌿 Reduce long-term operational costs and green house gas emissions.

How is The Project Being Funded?

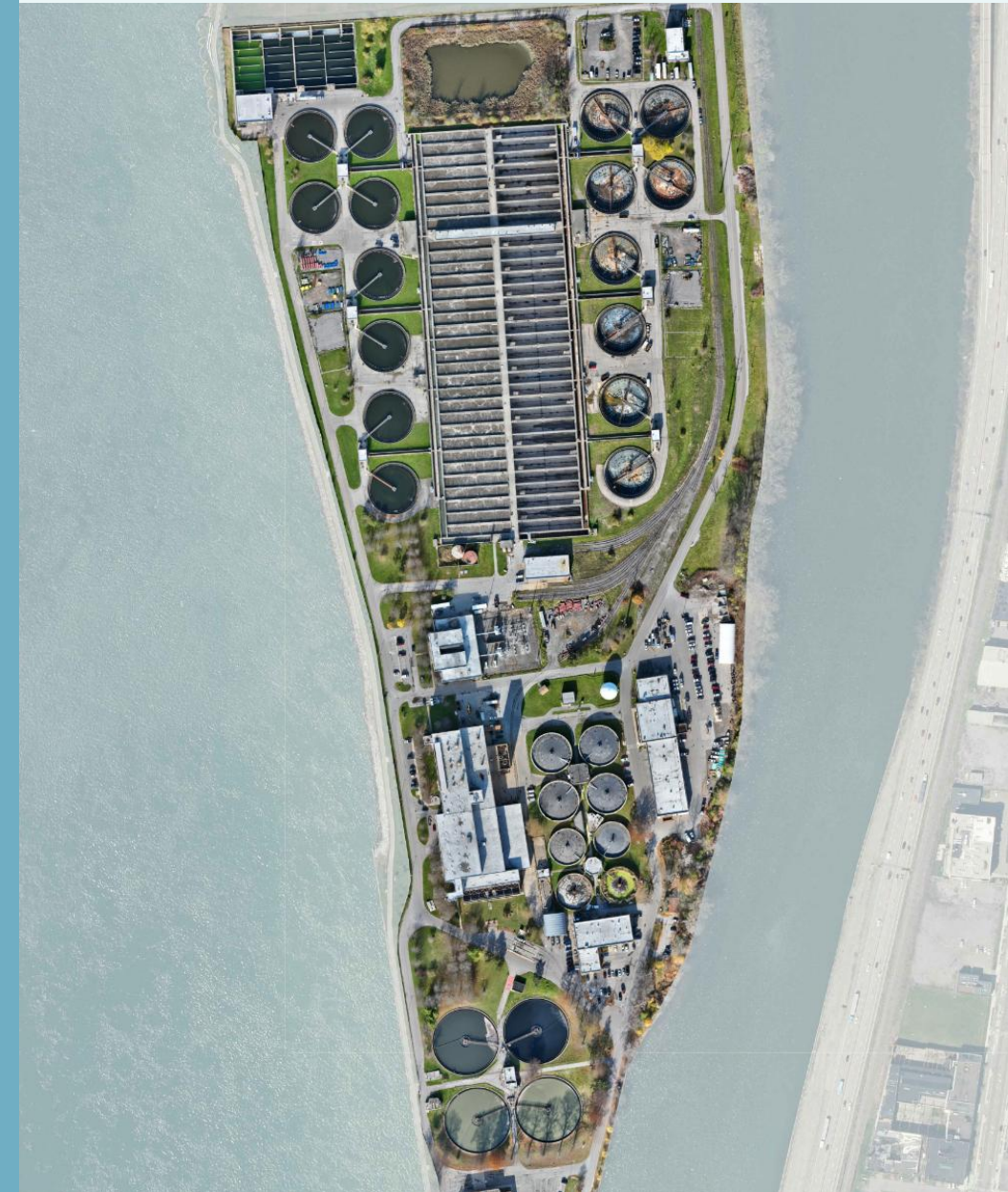
- Phase I and Phase II are funded through grants and low-interest loans.
- Similar funding opportunities will be pursued for Phase III.



Learn More

Scan the QR code to watch a video about the treatment processes at the WWTF.

BUFFALO SEWER AUTHORITY



PROTECTING BUFFALO'S WATERWAYS

Bird Island Wastewater Treatment Facility

WWTF Upgrades



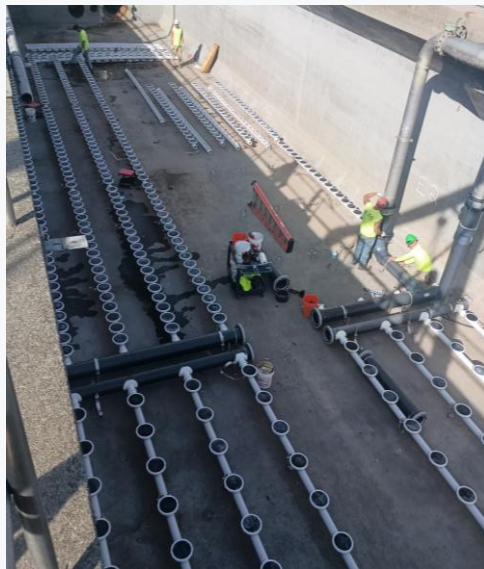
Phase I

Secondary System
Rehabilitation and Upgrades

Secondary treatment uses helpful microorganisms to break down and remove remaining waste from the water. Phase I secondary system upgrades will:

- Clean out built-up debris from tanks, channels, and pipes.
- Replace aging infrastructure including pipes, valves, gates, and flow meters.
- Upgrade and replace the existing aeration system, which helps the microorganisms remove waste and pollutants from wastewater.

Total Estimated Cost for Phase I: **\$73,000,000**



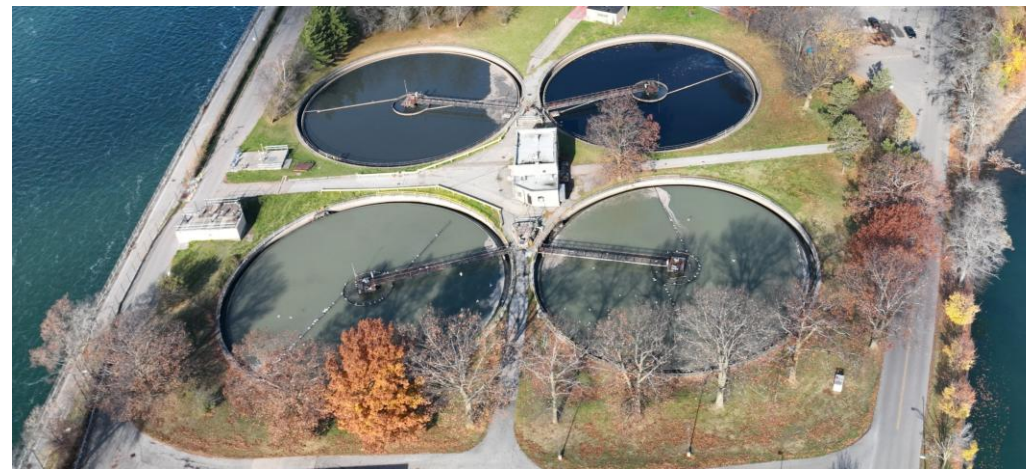
Phase II

Primary System Upgrades

Primary treatment is the first step in wastewater treatment, removing solids, debris, and other materials before secondary treatment. Phase II primary treatment upgrades will:

- Improve and upgrade primary treatment infrastructure, equipment, and facilities, including tanks and pump station.
- Install new system to reduce treatment plant odors.
- Replace gates that help control wastewater flow.
- Add new system to disinfect primary treated wastewater.
- Repair the facility's discharge system, which safely returns treated water to the environment.

Total Estimated Cost for Phase II: **\$127,000,000**



Phase III

Secondary System
Expansion and Rehabilitation

Phase III secondary treatment updates will:

- Construct two new final settling tanks and one new chlorine contact tank.
- Upgrade the tanks, pipes, equipment, and buildings used to further treat and disinfect wastewater.
- Improve stormwater management.

Total Estimated Cost for Phase III: **\$231,100,000**



Phase I

Design Complete June 2022
Design Start Nov. 2019
Construction Start Sept. 2022

Construction Anticipated Completion Dec. 2026

Phase II

Design Start Oct. 2020
Design Complete April 2024
Construction Start April 2025

Construction Required Completion Dec. 2031

Phase III

Design Start March 2024
Design Anticipated Completion Dec. 2027
Construction Anticipated Start March 2028

Construction Required Completion Dec. 2034