



COLLINS PARK IMPROVEMENTS

QUARTERLY UPDATE

Construction Begins on Ozone Treatment Facilities

The addition of ozone treatment to the Collins Park Water Treatment Plant is significant, as ozone is known for its superior disinfection qualities. Important to the Northwest Ohio region, ozone offers treatment capabilities that will assist in eliminating toxins from harmful algal blooms and other contaminants.

All source water, from Lake Erie or otherwise, contains organic and inorganic matter that must be removed during the water treatment process. The contaminants appearing in Lake Erie seem to be changing and evolving from what had been known to be common contaminants for our area. Ozone is understood to be an effective treatment method to aid in the removal of a large variety of contaminants, including organic matter, inorganic matter and even micro pollutants such as pharmaceuticals or pesticides.

In addition, ozone is known to make other steps in the water treatment process more efficient. For example, it assists with flocculation and makes it easier to reduce disinfection byproducts, contributing to odorless and good-tasting drinking water.

The addition of ozone treatment at the Collins Park Water Treatment Plant will allow the plant to more adequately and efficiently respond to the variable conditions of our source water and continue to consistently provide high-quality drinking water.

Construction on the ozone treatment facilities at Collins Park Water Treatment Plant began in October 2018. The facilities will be operational for the 2020 HAB season, with final completion of the project planned for August 2021.

Collins Park Electrical Upgrades Project Nearly Complete

Running the Collins Park Water Treatment Plant 24/7/365 requires reliable access to electricity. The project to upgrade the power supply throughout the plant is nearly complete. The project includes a new substation, an underground duct bank loop, new transformers and switchboards, a new switchgear building and a variety of renovations to modernize the electrical equipment throughout the site. The project will reach completion in January 2019.

Current Construction Progress

COLLINS PARK ELECTRICAL UPGRADE	TREATMENT BASINS 7 AND 8 ADDITION	MAINTENANCE FACILITY AND CHEMICAL BUILDING	OZONE TREATMENT FACILITY
97%	32%	59%	1%
WORK COMPLETE \$23.8 MILLION	WORK COMPLETE \$55.0 MILLION	WORK COMPLETE \$10.0 MILLION	WORK COMPLETE \$43.9 MILLION
UNDERWAY	UNDERWAY	UNDERWAY	UNDERWAY
<ul style="list-style-type: none"> » High Service switchgear installation » High Service new power cutover » South substation removal 	<ul style="list-style-type: none"> » Flocculation basin walls » Sedimentation basin floor slabs and walls » Filter walls and piping 	<ul style="list-style-type: none"> » Interior painting » Plumbing, mechanical and electrical » Pavement and parking 	<ul style="list-style-type: none"> » Contractor mobilization » Basin excavation

For more information about the General Plan of Capital Improvements, please visit <http://toledoh2o.com>.