



# COLLINS PARK IMPROVEMENTS

## QUARTERLY UPDATE

### Blue Ribbon Panel

The City of Toledo has convened a Blue Ribbon Panel to evaluate the long-term needs at the Collins Park Water Treatment Plant. The panel of third-party experts in the fields of both harmful algal blooms and water treatment plant construction will be providing independent recommendations regarding both best practices in water treatment and the effective treatment of algae.

The nine-member panel convened for the first time on February 10 for an orientation session to better understand our plant, our system and our processes. The panel reconvened March 10-11 to discuss approaches that may be applicable for the City of Toledo. Their recommendations will be given to the City's design consultant, who will determine the feasibility of the recommendations and incorporate them into the program design.

The panel's recommendations will be implemented over the next three to four years. However, additional treatment facilities will be in place to protect our drinking water by July 1, in advance of the 2015 algae season.

### Prepared for Algal Bloom Season

The City of Toledo's plan for the upcoming algal bloom season includes increased monitoring and treatment of source water to ensure Toledo's water remains safe to drink.

Two buoys will be installed around our intake in Lake Erie to continuously monitor indicators like pH and temperature and provide advance warning of a severe algal bloom. By July 1, we will have chemical feed improvements in place at three locations: the intake, the low service pump station and the Collins Park Water Treatment Plant.

Our scientists will monitor the treated, as well as the untreated, water continuously for microcystins. We are using the ELISA (enzyme-linked immunosorbent assay) method, currently accepted by the Ohio EPA.

If microcystins are detected in the lake at the level of 3 parts per billion, testing will increase to three times per week. If microcystin levels are found to be above 5 parts per billion, the samples will be tested daily. All results will be posted on the City's website.

## Current Construction Progress

ROOF PROJECT	DISINFECTION FACILITY	FILTER IMPROVEMENTS	SHORT-TERM HAB IMPROVEMENTS
<p><b>98%</b> WORK COMPLETE \$13.4 MILLION</p> <p>UNDERWAY</p> <ul style="list-style-type: none"> <li>» Punch list items               <ul style="list-style-type: none"> <li>• Touch-up painting</li> <li>• Terra cotta restoration</li> <li>• Cleaning</li> </ul> </li> <li>» Training complete</li> <li>» Roof drain installation complete</li> </ul>	<p><b>81%</b> WORK COMPLETE \$9.8 MILLION</p> <p>UNDERWAY</p> <ul style="list-style-type: none"> <li>» HVAC</li> <li>» Scale and pipe rack install</li> <li>» Chlorine feed and piping</li> <li>» Set emergency scrubbers</li> <li>» Equipment startup and coordination 4/21</li> </ul>	<p><b>70%</b> WORK COMPLETE \$962,000</p> <p>COMPLETED</p> <ul style="list-style-type: none"> <li>» East side – 10 of 10 complete</li> </ul> <p>UNDERWAY</p> <ul style="list-style-type: none"> <li>» All weirs delivered</li> <li>» West side – 11 of 20 complete</li> <li>» West side – 2 under construction</li> </ul>	<p><b>5%</b> WORK COMPLETE \$5.1 MILLION</p> <p>UNDERWAY</p> <ul style="list-style-type: none"> <li>» Excavation of foundations; Collins Park</li> <li>» Core for non-potable water</li> <li>» Completed by July 1</li> </ul>