

ALGAEWHEEL WWTP INSTALLATION

WEST LAKE PARK

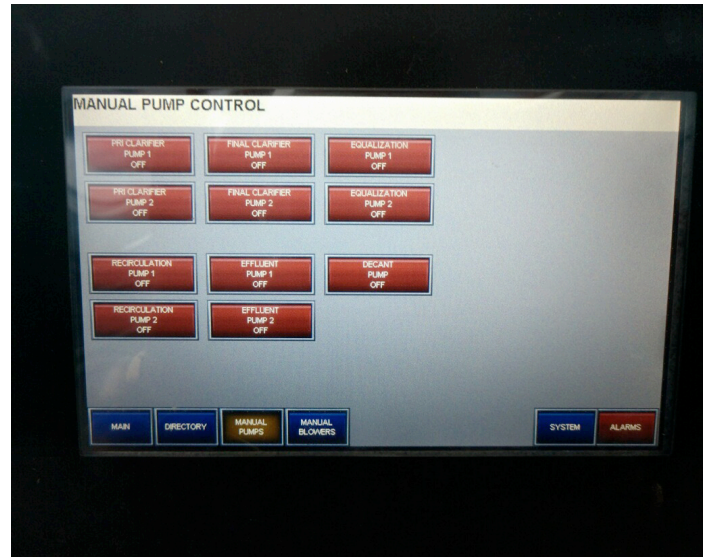


West Lake Park Wastewater Treatment Plant, is for the Scott County Conservation Board and includes installation of a 20,000 GPD average wet weather flow Algaewheel wastewater treatment plant. The new wastewater treatment plant will replace an old activated sludge facility and provide treatment for all of the 620-acre Davenport, IA park facilities such as public restrooms, administration building, visitor center, and campgrounds. The new wastewater treatment plant includes the Algaewheel process and controls in an aesthetically pleasing greenhouse, and ancillary systems such as clarifiers, equalization, and sludge holding. Redundancy is provided for all major treatment components in keeping with Iowa DNR requirements.

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| Project Name | West Lake Park Wastewater Treatment Plant |
| Project Location | Davenport, Scott County, Iowa |
| Project Type | Replacement plant |
| Flow | Average Wet Weather Flow 20,000 gpd Maximum Wet Weather Flow 40,000 gpd Peak Hour Wet Weather Flow 90,000 gpd |
| Effluent Limits | 25 mg/l BOD, 30 mg/l TSS, 2.5 mg/l NH3-N summer, 5.4 mg/l NH3-N winter |
| Discharge | Treated water is surface discharged into Black Hawk Creek |
| Completion Date | August 2019 |

“We feel that Algaewheel helps us meet the conservation and sustainability goals that we promote in our park system, and it gives us another real-life demonstration project to be used by our environmental education staff for public programming, and to help teach science, technology, and the need for cleaner water.”

Roger Kean, Executive Director of the Scott County Conservation Board



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ONEwater[®]
Treatment redefined