

WWTP INSTALLATION

New Albin, Iowa



The project at New Albin, IA has been very challenging. A mid-19th century map was discovered that revealed several Indian Mounds were previously located on the site of the original wastewater plant. As the new plant will replace the old plant, extenuating circumstances arose that had to be resolved under the law. The Iowa Department of Natural Resources (IDNR) had never in the past dealt with a similar problem, so the resolutions required were very difficult and it took an inordinate amount of time to reach an accord. Ultimately, a path forward was found and the IDNR followed the established rules while allowing the City Council to choose OneWater’s innovative Algaewheel system.

Lucas Elsbernd, Senior Project Engineer with Fehr Graham Engineering & Environmental and the manager and lead design engineer for the project said. “To me, the most exciting aspects of this include knowing that it will allow the City of New Albin to meet permit limits, and that we are installing a relatively new technology for wastewater treatment that is a good fit for the city”.

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| Project Name: | New Albin, New WWTP |
| Project Location: | City of New Albin, IA |
| Project Type: | Replacement of old plant |
| Flow: | Average Daily Flow: 40,000 GPD Peak Daily Flow: 80,000 GPD |
| Effluent Targets: | 20 mg/l CBOD, 45 mg/l TSS, 20mg/l TN |
| Discharge: | Treated water is discharged to a small tributary of the Mississippi river |
| Completion: | Due August 2023 |