Case Study

MAZZEI AIRJECTION® SYSTEM INSTALLED IN ALABAMA FIELD ERECTED WWTP.

The Problem: A design/build contractor needed a quiet, efficient aeration system for a 250,000 GPD field erected WWTP. This plant was to be located adjacent to a school. Because of the location it was necessary to specify an aeration system which was quiet enough to permit 24 hour operation without an increase in ambient noise levels.

The Solution: The contractor, also a licensed engineer, chose a Mazzei AirJection® System. This choice was based partly upon his previous experience with an AirJection® System installed in a 75,000 GPD packaged WWTP in a nearby residential location. The new plant has two aeration tanks in parallel. Two identical AirJection® Systems were specified, each consisting of a dry-sump recirculating pump, and five (5) Model 4091 (4" Kynar) Mazzei® Injectors, each with ten (10) N25 Mazzei Multiplier™ Nozzles.

The Results: This WWTP was placed in service during the summer of 2001. The specified AirJection® Systems proved both less expensive and easier to install than other aeration methods. It is also expected to be much less costly to maintain.