



VIDEO

Freeburg IL

A growing population for a suburban St. Louis, MO area needed an increased facility. The city selected Jaeger Aeration for its simplicity and ability to manage I&I.

The city selected the *OxyLift*, *OxyStrip* design with a single bridge for the two aeration basins. Each basin provides a 0.45 MGD ADF capacity. The PWD selected the J-A equipment since only one full-time operator will be onsite.

OBJECTIVES

- Retrievable Diffusers
- Stainless Steel Materials
- BNR Performance for TN & TP
- OxyLift to Provide Retrievable Racks
- OxyStrip Reduces Number of Diffusers
- OxyProcess Cyclic Aeration for Lower O&M

PRODUCTS USED

- OxyProcess
- OxyLift
- OxyStrip
- OxyMix
- OxyBlower

PERFORMANCE

- Ammonia < 0.1 ppm
- TN < 5 ppm
- TP < 1 ppm

SUMMARY

Jaeger Aeration was basis of design with the consolidated HD Galvanized bridge for diffuser and mixer access. A single DO/ORP controller will provide the energy conservation and Anoxic/ Aerobic conditions for the NPDES permit. All the equipment is retrievable above grade and provides a lower O&M and redundancy, which the facility previously did not have.



ORIGINAL FACILITY ROTOR DITCH



CONSTRUCTION AND ASSEMBLY OF EQUIPMENT



FINAL ASSEMBLY



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