JAEGER—AERATION

PROJECT CASE STUDY

Nº101



VIDEO

Marshall MO

The original facility was installed 30 years ago and mechanical equipment needed replacement. The client selected Aeration HP for a non-proprietary process and simple mechanical reasons.

The client selected the D/B option and upgraded to stainless steel parts from HD galvanized. Process upgrade for cyclic aeration and DO/ORP control improved performance for TN and TP.

OBJECTIVES

Reduce Energy Costs
Retrievable Diffusers
Stainless Steel Materials
No Crane Required for Maintenance
Portable Racks on Cart
BNR Performance for TN & TP
Retrofit of Existing Basin Without Concrete

OxyProcess
OxyLift
OxyStrip
OxyTransport

OxyHoist Trolley

PERFORMANCE

PRODUCTS USED

TN < 2 ppm TP < 0.5 ppm

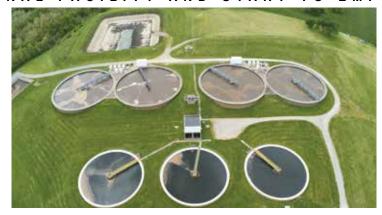
SUMMARY

Jaeger Aeration used *OxyLift*, *OxyStrip*, and *Oxy-process* to provide a retrievable design for the aeration racks and mixers. The prefab design of the walkway allowed a quick installation with no fit-up issues. *Oxylift* and *OxyHoist* provide lower O&M without a crane required for diffuser inspection or maintenance.

Project Timeline: 1 Year



ORIGINAL FACILITY AND START TO EMPTY THE SOUTH BASIN





CONSTRUCTION AND ASSEMBLY OF PREFAB BRIDGES AND RACKS





FINAL ASSEMBLY AND INSTALLATION OF LIGHTING





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