



Center CO

Industrial plant expansion required increased WWTP capacity. The original plant is an "egg beater" floating aerator design that had cold weather challenges and poor oxygen transfer. The client wanted to provide higher oxygen transfer efficiencies and a turnkey operation supply for the expansion.

Vertical turbine-type floating aerators froze in the cold temp and winds of Colorado. In addition, the lower SOTE% became an operational concern for the cost of operation. System supply as a complete package with support was important since the site is remote without technical services.

OBJECTIVES

Reduce Energy Costs

Stainless Steel Materials

BNR Performance for TN & TP

Complete system supply and SCADA

Fine Bubble Diffusers vs. Floating Aerators

PERFORMANCE

TN < 10 ppm

TP < 2.0 ppm

TSS < 5 ppm

PRODUCTS USED

OxyProcess

OxyStrip

Dual Air Control

OxyMax

SUMMARY

Jaeger Aeration was selected by the Client and consulting Engineer for supply and project management for the system expansion. We used our expertise and SBR technology to supply the complete system including the blowers, air distribution system with **OxyStrip** 2-meter diffusers, and the **OxyMix** with the KSB Amaprop mixer for the application.



FINAL ASSEMBLY



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Pioneer of Fine-Bubble

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