



AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

SUCCESS STORIES

PLANT TYPE AND LOCATION
PAPER MILL PLANT IN BULGARIA

AQUA-AEROBIC SOLUTION
(8) 30 HP OxyStar® ASPIRATING AERATORS

Paper Mill Supplements Existing Fine Bubble Diffusion System with OxyStar® Aspirating Aerators

A leading manufacturer of corrugated packaging and paper operated a conventional activated sludge system that used full-floor coverage fine bubble diffusers for their aeration needs. However, due to heavy organic loading, the existing fine bubble diffuser system was unable to provide sufficient oxygen to the treatment process, and additional aeration equipment was required.

In order to supplement the existing aeration system and improve their treatment capacity, the mill installed eight 30HP OxyStar® Aspirating Aerators in their basin in 2014.

Since the units can be installed into any basin, the OxyStar aerators were the ideal solution for this plant's retrofit, as the aerators were mounted directly to the basin wall along the perimeter. Additionally, this installation along the basin wall provided the plant staff easy access for installation and maintenance.

The OxyStar aspirating aerators successfully improved the treatment capacity of the wastewater treatment system, without having to take the basin offline for installation. The paper mill has been highly satisfied with the aeration and mixing performance of the supplemental OxyStar system.



OxyStar® Aspirating Aerators Mounted Directly to Basin Wall

OxyStar Aspirating Aerator Advantages

- Efficient oxygen transfer
- No aerosolizing or misting
- Negligible noise level
- Nearly universal installation into any basin
- Can be installed without dewatering or taking basin offline
- Minimal maintenance
- No blowers, air piping or covers
- No underwater parts to maintain