Smith & Loveless Inc.
Above All Others.

Project Profile

TITAN MBR

TITAN MBR™ Meets Effluent Requirements for California Winery

When local regulators established new wastewater limits for industrial users connected to a nearby municipal system, one of Napa County's largest wineries began exploring options for pretreatment at its bottling facility.

After review, it was determined the winery would purchase two **TITAN MBR**™ Wastewater Treatment Systems from Smith & Loveless: one for year-round operation and one dedicated to handling the peak flows and strengths of crush season.

The treatment systems, installed in 2006 and handling a peak flow of 15,000 GPD total, far surpasses the effluent requirements outlined by the municipality and allows the treated water to be reused in other functions.

By utilizing two separate treatment systems, the winery is able to more effectively handle the fluctuations in wastewater flows and strengths during the wine production process.

Individual PLC controls makes operation of the systems easy: treatment systems can be individually controlled or programmed to work in concert with each other.

The **TITAN MBR**™ system is a pre-engineered and packaged dynamic membrane bioreactor, providing end-users with high-quality treatment performance with minimal operational requirements.

Project Details

Application:	Winery
Product:	**TITAN MBR**™ Wastewater Treatment Plant
Installation:	2006
Requirements:	High Quality Effluent, Water reuse/reclamation
Avg. Flow:	7,500 GPD per system (28 CMD) 15,000 GPD total (56 CMD)
Influent BOD:	7,700 mg/L
Influent TSS:	1,000 mg/L
Influent TKN:	45 mg/L
Effluent BOD/TSS:	Less than 5 mg/l
Dimensions:	60' X 12' per system