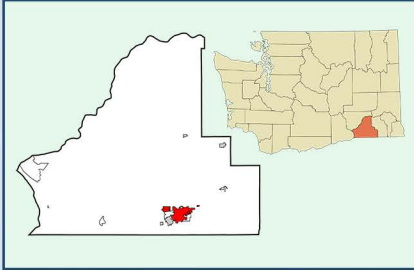


Walla Walla Vintners

B E T T E R W A T E R . B E T T E R W O R L D .

PROJECT OVERVIEW:

LOCATION: Walla Walla, WA
99362, United States

INSTALLATION DATE:
July 2023

FACILITY OWNER:
Walla Walla Vintners

PRODUCTS USED:
BioBarrier® HSMBR®

PRODUCT PLACEMENT:
Underground behind production building

DESIGN FLOW:
3,000 GPD

DESIGN BOD LOAD:
190 lbs/day

EFFLUENT BOD:
<10 mg/L

EFFLUENT TSS:
<5 mg/L

PROPER PLANNING

The owners of Walla Walla Vintners recognized the need to install a system that could adequately handle their wine production wastewater to safely and responsibly discharge to a leach field.

FINDING A SOLUTION

Hearing about the BioBarrier System on a nearby installation, the owners decided to reach out to BioMicrobics for a design consultation with their engineer.

**A PROPERLY SIZED YET NEARLY INVISIBLE TREATMENT SYSTEM FOR HIGH STRENGTH WASTE**

Meticulous planning by the owner and engineer around wine production capacity and permit requirements resulted in a consultation with BioMicrobics about a properly sized solution. The site plan yielded an optimal placement of an underground, 22,000 gallon HDPE tank to the house BioBarrier HSMBR Winery Wastewater Treatment System. The 3,000 GPD system capacity meets the peak production loading with ease, and the system has the ability to turn down capacity for off-season use. The result is a high-performance, nearly invisible treatment system that vastly exceeds the performance requirements for safe disposal.



S I M P L E . L O W C O S T . R O B U S T .



BioBarrier HSMBR[®]

HIGHSTRENGTH MEMBRANE BIOREACTOR

BioBarrier MBR and BioBarrier HSMBR are membrane aerated biofilm technologies certified for onsite and water reuse applications. These packaged wastewater treatment plants meet the challenges of difficult site conditions and varying wastewater concentrations. Certified for water reuse (NSF/ANSI 40/245/350, EN12566-3, and CAN/BNQ 3680-600), the BioBarrier systems are complete, optimized wastewater and graywater systems that provide high levels of treatment. The BioBarrier system's flat-sheet membranes (0.3 to 1.3 micron pores) physically separate the solids and bacteria from wastewater to keep them in the tank, allowing the treated water (high-quality effluent) to exit the tanks by means of a submerged filtrate pump. The resulting water can be reused in numerous ways, including vineyard irrigation.



BIO MICROBICS[®]

BETTER WATER. BETTER WORLD. •

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