



CASE STUDY: WINERY

25,000 GPD MEMPAC™-H
San Luis Obispo, CA



DESIGN PARAMETERS

MODEL SUPPLIED: **MEMPAC-H**

INFLUENT PARAMETERS

AVERAGE DAILY FLOW	25,000 GPD
BIOCHEMICAL OXYGEN DEMAND	8,000 MG/L
TOTAL SUSPENDED SOLIDS	600 MG/L
INFLUENT TYPE	WINERY WASTE

EFFLUENT QUALITY

BIOCHEMICAL OXYGEN DEMAND	< 10 MG/L
TOTAL SUSPENDED SOLIDS	< 10 MG/L

PROJECT TEAM

INSTALLATION CONTRACTOR

FLUID RESOURCE MANAGEMENT
Robin Ransford
805.597.7100 • frm-ops.com

ENGINEER

WALLACE GROUP
Rob Miller
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PROJECT DETAILS



OVERVIEW

Cloacina incorporated a MEMPAC-H into an existing winery package plant

The project was necessary to bring the pretreatment system into compliance with the city's discharge requirements

Cloacina provided an assessment of the existing facility, design of plant upgrades and installation assistance to the mechanical contractor

Cloacina incorporated an existing lift station, screening, equalization, aeration tank, aeration blowers and flow meter box into the new design and incorporated existing and new equipment into the new Motor Control Center (MCC) panel and controls system

This retrofit project was completed around the Client's production schedule

The existing clarifier and air lift scum and sludge pumps were retained to allow the clarifier to be placed into service for extended maintenance or an emergency

CLOACINA SUPPLIED THE FOLLOWING FOR THIS PROJECT:

AERATION:

Design services and equipment to upgrade the air delivery distribution system for the increase in solids concentration

CLARIFICATION:

Flat sheet membrane, level transducer, air supply valve, auto permeate valve, permeate flow meter, CFM meter and clean-in-place pump

CONTROLS:

Stainless steel MCC panel, touch screen controls computer and SCADA program

For project videos, additional photos and more information, visit cloacina.com/25k-winery