

Integrated **WATER** Services, Inc.

A "First" For California's Central Coast

Located in the Santa Maria Valley on California's Central Coast, the Presqu'ile Winery (www.presquilewine.com) is constructing a permanent winery and tasting room which required a wastewater treatment system for its process water from wine making operations. The winery includes 73 acres of certified sustainably farmed vineyards on the 200 acre site where they produce Santa Maria Valley Pinot Noir, Chardonnay, Syrah, and Sauvignon Blanc.

The treatment system was designed by Summit Engineering, Inc. (www.summit-sr.com) of Santa Rosa, CA and can accommodate the production of up to 25,000 cases of wine per year. The process wastewater includes all aspects of wine making from crush through the fermentation and bottling process. This is the first Orenco Advantex project on the California Central Coast to treat winery process wastewater. The treatment train includes the following: a) three, 4,000 gallon settling tanks; b) one, 4,000 gallon recirculation tank; c) one, 25,000 gallon effluent tank; d) six Advantex AX-100 treatment units; and e) a spray field for dispersal.

The treatment system installation was designed with a small footprint so as to accommodate the various landscaping and parking lot features for the facility. As a result, the system excavation was fairly deep and required extensive earth moving to step back the excavation and set the tanks. The layout included placing the Advantex Pods on bedded gravel on top of the fiberglass tanks.



The Presqu'ile Winery vineyards

The treated process wastewater is dispersed in a 1.25 acre spray field located approximately 300 feet from the treatment system. The spray field area is covered with native plants and grasses to maintain the natural setting of the area.

Richard Ross, Project Engineer for Summit Engineering, designed the system and oversaw the construction. Richard provided his perspective, "We were very pleased with the IWS team and their responsiveness. They did an excellent job of communicating back to the engineer and general contractor."



Extensive earth work was required to set the tanks at the correct elevation



Tanks installed in excavation



The completed Advantex treatment system installed at or below grade



A partial view of the spray field area

IWS was part of the construction team under contract with the General Contractor, Cello & Maudru Construction (www.cello-maudru.com). Cello & Maudru needed IWS to mobilize to the site first and get the wastewater infrastructure in place before the other trades could begin their work, which put the IWS scope of work in the critical path of the project. IWS was able to complete construction within 60 days of contract execution.

Doug Pedersen, Project Manager for Cello & Maudru commented on the IWS project execution: "IWS was able to mobilize with the proper resources to get the system installed so the other trades could move in and keep the project on track. We were impressed with their professionalism and cooperation as part of the construction team to deliver on the schedule and cost". •

About Us

Integrated Water Services, Inc. (IWS) provides services to municipalities, developers, communities, and businesses to address their water and wastewater needs. IWS leverages its extensive experience in permitting, engineering, construction, project management, site development, and project finance to provide a range of services to its clients with the ultimate objective of providing a solution that meets all the stakeholders' needs. IWS teams with engineering firms, consultants, suppliers, and other contractors to provide the client best value for their specific project needs.

Corporate Information

Please visit our web site (www.integratedwaterservices.com) for additional information or contact us at the following locations:

West, Northeast Regions

Peter C. Balas, PE

PO Box 10273

Pleasanton, CA 94588

Tel: 925-895-3895

pcbalas@integratedwaterservices.com

Jay Alman

2555 Lewis Drive

Sebastopol, CA 95472

Tel: 707-291-5283

jalman@integratedwaterservices.com

Southwest, Midwest,

Southeast Regions

Jeff Thomas

1225 Teakwood Drive

Fort Collins, CO 80525

Tel: 720-221-4366

jthomas@integratedwaterservices.com

Dave Patton

PO Box 9570

Avon, CO 81620

Tel: 720-207-5052

dpatton@integratedwaterservices.com

