

MCMANIS FAMILY VINEYARD

PROJECT-AT-A-GLANCE

The FlexRake[®] Fine Screen provides effective solids removal in unpredictable flow and volume for California winery

SITE LOCATION: *California*

EQUIPMENT: *One (1) Duperon[®] FlexRake[®] FS*

INSTALLED: *June 2006*



The Duperon[®] FlexRake[®] removes all debris damaging to the vineyard's evaporative ponds.

RELIABLE IN UNPREDICTABLE FLOW, VOLUME

The McManis Family Vineyard is surrounded by rural land in Ripon, California. All water on-site is courtesy of the vineyard's own well system. With no access to city facilities, the matter of managing the site's waste falls to the Duperon[®] FlexRake[®] FS Winery Model.

Unable to send process water back to the land due to regulations, the vineyard instead sends it to lime ponds for evaporation. Solids sent to the pond settle at the bottom, deterring the evaporative process and decreasing pond capacity.

"During our harvests, we crush the grapes to extract their juice," explains Mike Robustelli, winemaker. "We attempt to capture all parts not useful for wine into compost bins. The debris from those tanks ends up in the waste stream, and we don't want that in the evaporative pond."

Prior to installing the Duperon[®] FlexRake[®] in 2006, the vineyard employed a rotary drum screen for the task of separation. "We just weren't happy with the performance," relays Robustelli. "It didn't do a good job of removing the solids, and it wasn't reliable. We had a lot of downtime, lots of clogging, and lots of times when the equipment was inoperable. We wanted to improve on that, and after the 2005 harvest we found the Duperon[®] FlexRake[®]."

The vineyard's flow is highly variable, dependent on both harvest volume and weather. The Duperon[®] FlexRake[®] also manages stormwater runoff culled from the vineyard's 10 acres.

"It's been a big improvement," Robustelli concludes.

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ABOUT DUPERON

Duperon Corporation is the leader in innovative preliminary liquid/solids separation systems. For more than 35 years, Duperon has provided simple yet innovative solutions for a variety of screening and solids handling applications in the water and wastewater industry. Duperon technologies are designed and manufactured in Saginaw, Michigan.