INFORMATION SHEET

WASTE DISCHARGE REQUIREMENTS ORDER R5-2016-XXXX
GOLDSTONE LAND COMPANY, LLC
KURT AND SANDRA KAUTZ
BEAR CREEK WINERY
SAN JOAQUIN COUNTY

Background

Bear Creek Winery has been in operation since 1934. The facility currently operates as a bulk winery. The winery's current crush production is approximately 50,000 tons of grapes annually. WDRs Order 71-037 was adopted by the Central Valley Water Board on 21 August 1970.

Bear Creek Winery currently does not have a wastewater treatment system. The winery currently discharges approximately 21.4 million gallons of wastewater per year to 9.2 acres of rapid infiltration basins and 38 acres of vineyard land application areas (LAAs). The Discharger proposed to install a wastewater treatment system and to increase LAAs by 31 August 2018.

Existing Facility and Discharge

Historically, the winery discharged wastewater from wine making process and distillery operation to over 45 acres of land disposal area. In the early 1990's when the distillery was closed the winery continued to discharge process wastewater to 9.2 acres of rapid infiltration basins. The balance of the 45 acres was converted to Vineyards 1 and 2, which seasonably received process wastewater as irrigation water for the grape vines. Over the past several years, organic loading rates to the rapid infiltration basins have been excessive and have exceeded generally accepted loading rates for land disposal systems, especially during the crush season.

Changes in the Discharge

The Discharger plans to install a wastewater treatment system and to increase vineyard LAAs to accommodate a production increase from 50,000 to 60,000 tons of grapes annually over the next ten years. The proposed modifications will be completed in phases as shown in the following table:

Proposed Improvement				
Phase	Production Capacity, tons/year	Peak Mouth Flow (MGD)	Annual Total Flow (MG)	Completion Schedule
Phase I	50,000	0.144	25	August 2016
Phase II	60,000	0.171	30	August 2018

Phase I: Vineyard LAAs will be expanded from 38.3 to 92.8 acres by adding Vineyards 3, and 4.

Phase II: The winery will increase production from 50,000 tons to 60,000 tons.

a. Vineyard LAAs will be expanded from 92.8 to 185.3 acres by adding Vineyards 5 and 6.

b. The Discharger proposed to install a treatment system consisting of a new main sump, two aerated lined ponds, an effluent pump and a trickling filter system.

c. The Discharger will review the existing filtered solids storage area and may install a new storage area with liner and berm.

d. Storm water runoff from warehouse roofs (77,300 square feet) will be diverted to the nearby drainage Pixley Slough in order to reduce storm water contribution to the wastewater collection system. It is estimated that approximately 0.7 million gallons of storm water runoff will be discharged to surface water during an average rainfall year. The Discharger has applied a separated storm water permit for this discharge.

e. In the 29 February 2016 Comments on Tentative WDRs, the Discharger requested to use treated wastewater for other beneficial uses, such as dust control on farm roads around the existing and proposed vineyard LAAs, and additional 1,004 acres of agricultural lands owned by Kautz's family.

Legal Effect of Rescission of Prior WDRs or Orders on Existing Violations

The Board's rescission of prior waste discharge requirements and/or monitoring and reporting orders does not extinguish any violations that may have occurred during the time those waste discharge requirements or orders were in effect. The Central Valley Water Board reserves the right to take enforcement actions to address violations of prior prohibitions, limitations, specifications, requirements, or provisions of rescinded waste discharge requirements or orders as allowed by law.

Discharge Prohibitions, Specifications and Provisions

This Order includes a time schedule in the Provisions that requires the Discharger to submit an *Groundwater Monitoring Well Installation Workplan, Groundwater Monitoring Well Installation Report, Salinity Evaluation and Minimization Plan, Salinity Evaluation and Minimization Plan, Wastewater System Improvements Phase I Completion Report, Pond Design Work Plan and Construction Quality and Assurance Plan, Wastewater System Improvement Phase II Completion Report, and Effluent Reuse Plan.*

In addition, this Order prescribes effluent limitations for BOD mass loading, FDS and nitrate as nitrogen.

The Monitoring and Reporting Program is designed to verify compliance with effluent limitations, groundwater limitations, and operational requirements of the WDRs.

LF: 3/17/16