



California Regional Water Quality Control Board Central Valley Region

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12 February 2008

Jeff Runquist
Jeff Runquist Wines
10776 Shenandoah Road
Plymouth, CA 95366

NOTICE OF APPLICABILITY OF RESOLUTION NO. R5-2003-0106, JEFF RUNQUIST WINES, AMADOR COUNTY

Regional Water Board staff has reviewed your 12 September 2007 Report of Waste Discharge (RWD) for coverage under Resolution No. R5-2003-0106, *Waiver of Waste Discharge Requirements for small Food Processors, Including Wineries, Within the Central Valley Region*. Additional information was received on 12 November 2007, and 22 and 30 January 2008. The RWD included a filing fee of \$872. Our review finds the RWD to be complete.

Resolution No. R5-2003-0106 (a copy of which is enclosed), adopted by the Regional Water Board on 11 July 2003, is a conditional waiver of waste discharge requirements for small food processors including wineries. Based on the information you have submitted, the discharge as described in the RWD satisfies the general and specific conditions of Resolution No. R5-2003-0106 for the projected volume of wastewater to be produced.

Discharge Description

Jeff Runquist Wines has been in operation for approximately 10 years and is currently located at the McManis Family Vineyards Winery located in Ripon, San Joaquin County. In the Spring/Summer of 2008, Jeff Runquist (Discharger) plans to move its winery to 10776 Shenandoah Road in Plymouth, Amador County. The winery will be located on five acres of land. Grapes used for the production of wine at the winery will not be grown onsite, but will be trucked in from outside grape growers. During the first year of operation (i.e., 2008) the Discharger plans to crush approximately 35 tons of grapes. The Discharger anticipates that production of wine will increase during the next five years. An estimate growth rate for the winery over the next five years is presented in the table below. However, this waiver only allows the discharge of up to 66,000 gallons of process wastewater annually.

<u>Year</u>	<u>Tons Crushed</u>	<u>Gallons of Wine Produced</u>	<u>Gallons of Wastewater Produced</u>
2008	35	5,775	23,100
2009	55	8,800	35,200
2010	80	12,800	51,200
2011	100	16,500	66,000
2012	125	20,000	100,000

Upon exceeding 80 tons of grapes crushed, the Discharger will install a flow meter to monitor wastewater flows entering the wastewater storage tank. The Discharger estimates that approximately four gallons of process winery wastewater will be generated for every gallon of wine produced. Therefore, at maximum production in 2012, approximately 100,000 gallons of wastewater will be produced annually. All activities producing wastewater will be conducted on a covered crush pad located at the rear of the winery building.

Process wastewater generated during winery processing activities will be captured by two pot drains which are located within the crush pad. Wastewater in the pot drains will flow into a 2,000-gallon underground concrete storage tank. The underground storage tank will be equipped with an alarm system to alert winery staff should the tank exceed 80 percent of its total storage capacity. The storage tank will also be equipped automated pump float system that will pump process wastewater to the irrigation system once water in the storage tank reaches 1,000 gallons.

The primary method of wastewater disposal will be to apply the process winery wastewater to five acres of walnut orchards and landscaping areas surrounding the winery. Wastewater will be applied to the land application areas via a Rainbird sprinkler irrigation system and/or a tractor towed water tank. In the event that the wastewater storage tank becomes full and the Discharger is unable to land apply process wastewater due to prolonged periods of precipitation or saturated conditions in the land application areas, the Discharger will have process wastewater trucked offsite by a licensed hauler, and disposed of at an approved wastewater treatment facility.

The Discharger has estimated the maximum volume and strength of wastewater that will be produced and has calculated the expected maximum hydraulic and agronomic loading rates for the proposed disposal area. Based on these calculations, the proposed land application area should have adequate hydraulic and nutrient uptake capacity to receive the total wastewater discharge from this facility and remain protective of groundwater and surface water quality. The estimated volume of wastewater used to calculate the maximum loading rates was 100,000 gallons per year.

Solid waste produced by the facility will consist of grape skins, stems, seeds, and pulp. The Discharger estimates that approximately 4.4 tons of solid waste will be produced in 2008 during initial startup and that 12.5 tons will be produced in 2012 during maximum production. Solid waste will be spread throughout the walnut orchard and incorporated into the soil

Conditional Waiver

Based on the information submitted in the RWD, the discharge as described above satisfies the general and specific conditions of Resolution No. R5-2003-0106 for the current amount of wastewater produced. Therefore, this letter serves as formal notice that Resolution No. R5-2003-0106 is applicable and waste discharge requirements for this facility are waived.

Enclosed is a copy of Resolution No. R5-2003-0106 and the associated monitoring and reporting program. As described therein, an annual report must be submitted by 1 February of each year.

If the Discharger violates the terms or conditions of the waiver, the Regional Water Board may take enforcement action, including assessment of administrative civil liability. If the volume of wastewater increases beyond 66,000 gallons per year, or the method of winery wastewater or solids disposal change from those described in the RWD, you must submit a new RWD. Please note that the waiver will expire on 11 July 2008, at which time you must submit a new RWD with filing fee to renew the waiver, or cease the discharge.

If you have any questions, please contact Melissa Hall at (916) 464-4757.

PAMELA C. CREEDON
Executive Officer

encl: Resolution No. R5-2003-0106

cc w/o encl: Michael Israel, Amador County Environmental Health Department, Jackson