

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER No. 99-085

REVISED WASTE DISCHARGE REQUIREMENTS FOR:

CARNEROS PARTNERS LLC, AND L. PEREZ & SONS, LUCIO E. PEREZ, GENERAL PARTNER,  
CARNEROS REGION, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. Wine Valley Mobile Estates and Los Carneros R.V. Resort is a combined residential housing and recreational vehicle park facility. Wine Valley Mobile Estates owned and operated the on-site wastewater treatment and pond system serving both the residential homes and the recreational vehicle resort facilities. The combined facilities have been purchased by an investor group, called Carneros Partners (Carneros).
2. L. Perez & Sons (Perez) are the owners and operators of a wine-grape vineyard on property adjacent to the Carneros property. L. Perez & Sons use reclaimed water from the Carneros wastewater pond system for drip irrigation of vineyards. Carneros Partners and L. Perez & Sons are hereinafter collectively referred to as the Discharger.
3. The two properties are located on State Highway 12/121 (aka Old Sonoma Highway, southwest of the City of Napa, and west of Highway 29, in an unincorporated area of Napa County.
4. The Board adopted Waste Discharge Requirements for the Wine Valley Mobile Estates and Los Carneros R.V. Resort wastewater treatment and disposal system in Order No. 92-051 on May 20, 1992. This facility is hereby referred to as the Carneros/Perez facility.
5. The Carneros/Perez facility is located on a 16.4 acre parcel (Napa County APN 47-100-34) at 4048 Old Sonoma Highway (Hwy 12/121), on the north side of the road about 1-3/4 miles west of Highway 29. The site is in the watershed of Carneros Creek which is tributary to the Napa River. The facility's wastewater ponds are located on-site, on a 4-acre section of elevated ground at the north corner of the property.
6. The mobile estate facility includes 22 residential mobile homes, three single-family dwellings and a small restaurant. These facilities are located on the southern portion of the-property, adjacent to Highway 12/121. Wastewater generation for the existing facilities is about 4,900 gallons per day (gpd), or 14,000 gallons per month.
7. The current R.V. facility includes 96 recreational vehicle spaces, a 12,000 square foot, two-story recreational building containing a convenience store, laundromat, beauty parlor, showers, bathrooms, exercise room, food preparation facilities and administrative offices. Recreational facilities include a swimming pool, a spa and areas for picnics and lawn games. Additional facilities include a 60,000 gallon emergency fire supply water storage reservoir, 12 RV storage spaces, and 31 vehicle parking spaces. The R.V. facilities are located on the northern portion of the property, between the existing mobile estates area and the wastewater pond area. A twenty-foot landscaped buffer zone is included around the perimeter of the RV park area.

8. On December 9, 1998 the Discharger submitted a Report of Waste Discharge (ROWD) for modification of their existing permit to accommodate new ownership of the mobile estates and R.V. resort facilities. The ROWD also described proposed modifications to the physical plant facilities, and a proposed upgrade to the existing wastewater treatment and disposal facilities.

Proposed Project Changes

9. Proposed physical facility changes include a change in the layout of the RV park, including relocation of the restaurant, redesign of the 12,000 square foot recreational building, and elimination of two existing wastewater ponds and utilization of the area for reception and recreational purposes and reconfiguration of the residential portion of the site to a 24 space mobile home park. Both the mobile home estates and the R.V. park will be replaced by a Carneros Inn facility, and at a later date, an additional facility, called the Carneros Lodge, may be located on adjacent property and may provide wastewater flows to the new treatment and disposal facilities.

The proposed Carneros Inn facilities have been approved by Napa County and are subject to these wastewater requirements once they have been constructed. The requirements for the Carneros Lodge facility will be addressed in a later permit update.

10. A new state-of-the-art wastewater treatment system will be built to improve the present discharge quality and allow reuse of the water for on-site drip and spray irrigation of approximately 8 acres of landscaping and off-site vineyard irrigation (24 acres of Perez & Son vineyards). The major portion of the exiting pond #3 will be utilized to store water when no irrigation can be performed. Effluent storage will be reduced from 3.6 million gallons to 1.4 million gallons (4.4 acre-feet).
11. The new treatment system will consist of screening, a Sequencing Batch Reactor (SBR) activated sludge treatment, followed by direct filtration and disinfection by either ultra-violet light or chlorination. The treatment process is designed to provide tertiary treatment and effluent suitable for unrestricted reuse, in accordance with current state regulations and criteria for wastewater reclamation.
12. The new facilities, now referred to as the Carneros Inn, will retain some components of the mobile estates and R.V. park for some unspecified period. The proposed peak wastewater flows for the Carneros Inn facilities are as follows:

<u>Building</u>	<u>Units</u>	<u>Unit Flow (gpd)</u>	<u>Peak Flow (gpd)</u>
RV Units	96	60	5,760
Mobile Homes	24	270	6,480
Reception/Admin/Rec. Bldg.	1	3,500	3,500
Restaurant (seats)	49	36	1,764
Employees	82	11	902
Contingency (8%)			<u>1,594</u>
TOTAL			20,000

13. Section 13523 of the California Water Code provides that a Regional Board, after consultation with and receipt of recommendations from the State Department of Health Services (DHS), and if it is determined such action to be necessary to protect the public health, safety or welfare, shall prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. These revised waste discharge requirements are in conformance with the recently revised statewide water reclamation criteria proposed by DHS.

Once the new facilities are constructed and the new wastewater treatment system has been approved by State Health, a new permit will be issued as water reclamation requirements to accommodate water reuse under Title 22 criteria.

14. On February 19, 1999, the Napa County Conservation, Development, and Planning Department approved the requested use permit modifications with conditions.
15. The amendment of these waste discharge requirements is exempt from the provisions of Chapter 3 (CEQA) Division 6, Title 14 of the California Administration Code pursuant to Section 15301 (existing facilities) of that Chapter.
16. The Discharger and interested agencies and persons have been notified of the Board's intent to amend the requirements for the existing discharge and have been provided an opportunity to submit their written views and recommendations.
17. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

**IT IS HEREBY ORDERED**, that the following Sections of Order 92-051 shall be modified as follows, effective once new wastewater treatment facilities are built and approved by the State Department of Health Services:

1. Section B: Discharge Specifications:

B.1: "Reclaimed Water Quality" :

In any grab sample:

Constituent

BOD <sub>5</sub> , 20°C)	10 mg/l, maximum;
Suspended Solids	10 mg/l, maximum
Dissolved Oxygen	2.0 mg/l, minimum;
Dissolved Sulfides	0.1 mg/l, minimum;
pH Range	6.5 to 8.4
Free Chlorine Residual	0.5 mg/l

Total Coliform:

a. Unrestricted Uses:

Median Total Coliform	2.2 MPN /100 ml (7 consecutive days)
Maximum Total Coliform	23 MPN/100 ml (in any two consecutive samples)

b. Vineyard Drip Irrigation:

Median Total Coliform	23 MPN /100 ml (7 consecutive days)
Maximum Total Coliform	240 MPN/100 ml (in any two consecutive samples)

B.1.f. Wastewater Reuse Subject to Title 22 Criteria:

No wastewater shall be used for unrestricted applications until the new wastewater treatment and disposal facilities have been reviewed and approved by the State Department of Health Services.

B.1.g. No undisinfected wastewater shall be applied for any reuse application.

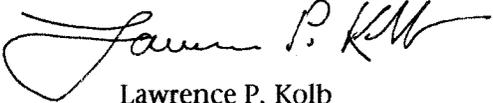
2. Wastewater Ponds (B.4.):

Add B.4.1: Wastewater Storage: Storage of not less than 4.4 acre-feet shall be provided.

C. Reclaimed Water Reuse (B.12):

Under paragraph B.12: Prior to application of reclaimed water to a new reuse area(s) a detailed revised map of new reuse areas must be approved by the Executive Officer.

I, Lawrence P. Kolb, Assistant Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 20, 1999.



Lawrence P. Kolb  
Assistant Executive Officer