

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

for

Carneros Inn & Perez & Sons Vineyard
Napa County

TENTATIVE ORDER

REVISED WATER REUSE REQUIREMENTS

September 2005

1. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with wastewater requirements and prohibitions established by this Regional Board; and
2. To facilitate self-policing by the discharger in the prevention and abatement of pollution arising from wastewater treatment and disposal.

II. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to Code of Federal Regulations Title 40, Section 136 (40 CFR S136), or other methods approved and specified by the Executive Officer of this Regional Board.

Wastewater analyses shall be performed by a laboratory approved for these analyses by the State Department of Health Services (DHS), or a laboratory waived by the Executive Officer from obtaining a DHS certification for these analyses.

The director of the laboratory whose name appears on the certification, or his/her laboratory supervisor who is directly responsible for the analytical work performed shall supervise all analytical work including appropriate quality assurance/quality control procedures in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION OF TERMS

A. RESPONSIBLE ENTITIES

1. **Producer:** Carneros Inn is the recycled water producer. The producer is responsible for the quality of the recycled water released for distribution and for the operation and maintenance of the recycled water use facilities on site.
 - A. **User:** L. Perez and Sons is the recycled water User. The User is responsible for operation and maintenance of the recycled water use facilities under its control, and for controlled use of the recycled water for drip irrigation of vineyards.
3. **Discharger:** The Producer and User are collectively referred to as the Discharger. The Discharger is responsible for compliance with this monitoring program. The Producer is responsible for submittal of the required monitoring reports to the Regional Board.

B. SAMPLES

1. A grab sample is an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples represent only conditions existing at the time of sample collection. Grab samples are used primarily in determining compliance with daily or instantaneous maximum limits.
 - A. A flow sample is the accurate measurement of the average flow volume over a given period of time, using a properly calibrated and maintained flow measuring device. Flows calculated from properly maintained pump usage records for accurately calibrated pump are acceptable.
 - B. Freeboard is the vertical distance between the water surface and the lowest elevation of the top of the water containment structure (perimeter dike, levee, berm, etc.)

C. STANDARD OBSERVATIONS

1. Recycled Water Storage Pond Areas
 - (a) Measure and report the freeboard at the lowest elevation point of the perimeter levees.
 - (b) Evidence of seepage from each pond.
 - (c) Nuisance odor from each pond: If present, indicate apparent cause, characterization, direction of travel, and any public use area or off-site facility affected.
2. Recycled Water Use Areas
 - (a) Evidence of recycled water escaping the recycled water use areas through surface runoff or airborne spray (show affected area on a sketch)
 - (b) Nuisance odor from the ponds: If present, indicate apparent cause, characterization, direction of travel, and any public use area or off-site facility affected.
 - (c) Evidence of prolonged ponding of recycled water, or of mosquitoes breeding within the use areas due to ponding.

IV. DESCRIPTION OF SAMPLING AND OBSERVATIONS

NOTE: A sketch showing locations of all stations described below shall accompany the first monitoring report, and subsequent reports when locations are added or changed, or a violation is reported.

STATION	DESCRIPTION
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A. WASTEWATER TREATMENT SYSTEM (PRODUCER)

1. Wastewater Treatment Plant Effluent

A-1	At a point in the wastewater system following the tertiary treatment system, following disinfection, and prior to entering the storage pond, at which all waste tributary to the pond is present.
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2. Recycled Storage Ponds (Phase 1 = Pond 1; Phase 2 = Pond 2)

PW-1 &2 In the storage pond, about one foot below the water surface, and no less than two feet from the bank, representative of the pond water.

3. Recycled Storage Pond Perimeters

PP1 thru PP-4 Points located at the mid-points of the perimeter levees around each pond system.. (A sketch showing the location of these stations shall accompany each SMP quarterly report).

B. RECYCLED WATER POND EFFLUENT (PRODUCER)

E-1 In the effluent from each storage pond, following disinfection, representative of the recycled water distributed to the water reuse areas.

C. RECYCLED WATER USE AREA (DISCHARGER)

RP-1 thru RP-‘n’ Located along the at about 500 foot intervals around the perimeter of the (Producer) recycled water use areas.

RU-1 thru RU-‘n’ Located along the at about 1000 foot intervals around the perimeter of the (User) recycled water use areas.

V. SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

Sampling, analyses and observations shall be conducted according to the schedule given in Table 1 and Table 1 Footnotes (SMP Attachment A)

VI. REPORTS TO BE FILED WITH THE REGIONAL BOARD

B. Self-Monitoring Reports (SMR)

Written reports shall be filed for each calendar month. Reports shall be submitted to this Regional Board’s office no later than the fifteenth day of the following month. Each SMR shall include the following:

1. Letter of Transmittal, including:
 - a. Discharger’s name, address, phone number & contact person;
 - b. The monitoring period being reported, by month and year;
 - c. The name of the responsible Regional Board staff member;
 - d. Discussion of all requirement violations found during the monitoring period, including causes and corrective actions taken or planned in order to prevent future violations;
 - e. Discussion of any special events pertinent to maintaining compliance with water reuse requirements, such as equipment repair or replacement, or operational changes;

- f. Signatory statement by the Discharger or authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and complete
- 2. Results of Analyses and Observations, including:
 - a. Tabulations of the results from all required sampling and analyses specified in Table 1 and its Footnotes (SMP Attachment A) by date, sample type and station.
 - b. Wastewater Pond Report
 - c. Recycled water Irrigation Report

B. Report of Permit Violation

In event the Discharger violates, or threatens to violate the conditions of water reuse requirements due to:

- 3. Maintenance work, power failure, or breakdown of wastewater treatment or transport equipment;
- 4. Accidents caused by human error or negligence; or
- 5. Other causes such as acts of nature,

The discharger shall:

- a. Notify the Regional Board office by telephone, as soon as the Discharger, or agent, has knowledge of the event; and
- b. Submit a written report is within two weeks of the event. The written report shall include pertinent information explaining reasons for the non-compliance actions taken to correct the problem and dates thereof, and actions being taken to prevent the problems from recurring.

I, Bruce H. Wolfe, Executive Officer, do hereby certify that the foregoing Self-monitoring Program is effective on the date shown below and may be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the District.

Bruce H. Wolfe
Executive Officer

Effective Date:

SMP Attachments

- A. Table 1: Schedule for Sampling, Analyses and Observations