

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

**ADDENDUM NO. 3  
TO  
ORDER NO. 87-100**

**AN ADDENDUM MODIFYING THE  
MONITORING & REPORTING PROGRAM  
FOR  
ORFILA VINEYARDS  
SAN DIEGO COUNTY**

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. On June 15, 1987, the Regional Board adopted Order No. 87-100, *Waste Discharge Requirements for San Pasqual Vineyards, San Diego County*. Order No. 87-100 as amended establishes requirements for the discharge of up to 30,000 gallons annually of winery wastewater by spray irrigation of landscaping around the winery building.
2. The discharger has requested a relaxation of the monitoring frequency specified by Effluent Monitoring Requirement No. B.2 from semiannual to annual monitoring.
3. The Monitoring and Reporting Program as modified by this Addendum is reasonable for determining compliance with the terms and conditions of Order No. 87-100 and all applicable State and Federal water quality standards.
4. The issuance of this Addendum is exempt from the requirements for preparation of an environmental document under the California Environmental Quality Act in accordance with Section 13389 of the Clean Water Code.
5. The Regional Board has considered all environmental factors associated with the existing discharge.
6. The Regional Board has notified Orfila Vineyards and all known interested parties of its intent to modify waste discharge requirements for the existing discharge.

February 9, 2000

It is hereby ordered that Monitoring and Reporting Program No. 87-100 is modified as follows:

1. Effluent Monitoring Requirement No. 13.2 is superseded by the following:  
The monthly volume of wastewater discharged to the percolation ponds shall be reported **annually**.
2. Report Schedule D is superseded by the following:  
Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

<u>Reporting Frequency</u>	<u>Reports Due</u>
<b>Annually</b>	<b>November 30</b>



**JOHN H. ROBERTUS**  
Executive Officer

February 9, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

ADDENDUM NO. 2 TO ORDER NO. 87-100

AN ADDENDUM TRANSFERRING RESPONSIBILITY  
TO  
ORFILA VINEYARDS, INC.

SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereafter Regional Board), finds that:

1. On June 15, 1987, this Regional Board adopted Order No. 87-100, *Waste Discharge Requirements for San Pasqual Vineyards*. Order No. 87-100 established requirements for the discharge of winery waste by discharging the waste to three 25-foot-square percolation basins behind the winery.
2. On January 23, 1989, this Regional Board adopted Addendum No. 1 to Order No. 87-100. Addendum No. 1 transferred responsibility for Order No. 87-100 from San Pasqual Vineyards to Thomas Jaeger Winery.
3. By letter dated December 21, 1993, Mr. León N. Santoro, General Manager and Winemaker, of Orfila Vineyards, Inc. notified the Regional Board that the responsibility for compliance with Order No. 87-100 was transferred from Thomas Jaeger Winery to Orfila Vineyards, Inc. on November 6, 1993.
4. This Regional Board has notified all known interested parties of its intent to modify Order No. 87-100 to reflect the transfer of responsibility for complying with Order No. 87-100.
5. This Regional Board in a public hearing heard and considered all comments pertaining to the modification of Order No. 87-100.
6. This facility is an existing facility and, as such, is exempt from the provisions of the California environmental Quality Act, in accordance with the California Code of Regulations, Title 14, Article 19, Section 15301.

Addendum No. 2  
to Order No. 87-100

2

Orfila Vineyards, Inc.

**IT IS HEREBY ORDERED**, that Order No. 87-100 is modified as follows:

1. Order No. 87-100 shall henceforth be referred to as **Waste Discharge Requirements for Orfila Vineyards, Inc.**
2. The Waste Discharge Requirements contained in Order No. 87-100 shall be applicable to Orfila Vineyards, Inc. and shall remain in full force and effect.
3. The word "Discharger" as it appears in Order No. 87-100 shall hereafter refer to Orfila Vineyards, Inc.

*I, Arthur L. Coe, 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 Diego Region on September 14, 1995.*



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ARTHUR L. COE  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

ADDENDUM NO. 1 TO ORDER NO. 87-100

AN ADDENDUM TRANSFERRING RESPONSIBILITY  
FOR ORDER NO. 87-100 FROM  
SAN PASQUAL VINEYARDS TO THOMAS JAEGER WINERY  
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. On June 15, 1987, this Regional Board adopted Order No. 87-100, **Waste Discharge Requirements for San Pasqual Vineyards**. Order No. 87-100 established requirements for the discharge of winery wastewater by spray irrigation of landscaping around the winery building.
2. By letter dated November 4, 1988, Mary Jane Casey, of Thomas Jaeger Winery notified the Regional Board that the ownership of the San Pasqual Vineyards (and thus the responsibility for compliance with Order No. 87-100) was transferred from San Pasqual Vineyards to Thomas Jaeger Winery on July 1, 1988.
3. The Regional Board has notified all known interested parties of its intent to modify Order No. 87-100 to reflect the transfer of responsibility for complying with Order No. 87-100.
4. The Regional Board in a public hearing heard and considered all comments pertaining to the modification of Order No. 87-100.
5. This facility is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Code of Regulations, Article 19, Section 15301.

It is hereby Ordered that Order No. 87-100 is modified as follows:

1. Order No. 87-100 shall henceforth be referred to as **Waste Discharge Requirements For Thomas Jaeger Winery.**
2. The Waste Discharge Requirements contained in Order No. 87-100 shall be applicable to Thomas Jaeger Winery and shall remain in full force and effect.
3. The word Discharger as it appears in Order No. 87-100 shall hereafter be construed to refer to Thomas Jaeger Winery.

*I, Ladin H. Delaney, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Addendum adopted by the California Regional Water Quality Control Board, San Diego Region, January 23, 1989.*

*Ladin H. Delaney*

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LADIN H. DELANEY  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

ORDER NO. 87-100

WASTE DISCHARGE REQUIREMENTS  
FOR  
SAN PASQUAL VINEYARDS  
SAN DIEGO COUNTY

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. On August 28, 1978, this Regional Board adopted Order No. 78-45 *Waste Discharge Requirements for San Pasqual Vineyards Near Escondido*. Order No. 78-45 established requirements for the discharge of up to 30,000 gallons annually of winery wastewater by spray irrigation of landscaping around the San Pasqual Vineyards winery building. The winery wastewater was to be treated biologically, then blended with potable water to meet a total dissolved solids limitation of 1000 mg/L.
2. By letter dated November 14, 1978, Mr. David Allen, Winemaker and General Manager, San Pasqual Vineyards (hereinafter the winery), proposed a modification of the treatment and disposal methods referenced in Order No. 78-45. Mr. Allen reported that the method (biological treatment, dilution and irrigation) originally envisioned contained problems; therefore, the winery retained the engineering firm of Lowry and Associates to review the problem. The November 14, 1978 letter proposed a modified scheme of wastewater treatment and disposal as follows:
  - a. Construct three 25-foot-square percolation basins behind the winery. During the crushing season, each pond would be used for two days in succession and then dried for four days.
  - b. Each pond would be equipped with a French drain underdrain system for sampling. The discharge quality would be regulated so the underdrainage would comply with the 1,000 mg/L TDS limitation.
3. Provision No. 10 of Order No. 78-45 required that the treatment and disposal facilities proposed by the winery in its Report of Waste Discharge be installed and operable by January 1, 1979.
4. Mr. Dennis O'Leary, Lowry and Associates, on behalf of the winery, submitted a request dated November 29, 1978, proposing a 30-day extension of the January 1, 1979 compliance date. Mr. O'Leary reported that the time extension was to permit the winery to complete the soil column studies to confirm the acceptability of the proposed treatment and monitoring approach. The soil column work reportedly could be completed in two to four weeks.

5. The Regional Board's staff approved the change in treatment and disposal concepts in a letter dated December 15, 1978. The winery also received staff approval of the 30-day compliance date extension in the December 15 letter. Staff indicated that a formal revision of Order No. 78-45 would be presented for consideration at a future Regional Board meeting.
6. On February 26, 1979 this Regional Board adopted Addendum No. 1 to Order No. 78-45, *An Addendum Revising the Wastewater Treatment Method and Compliance Date for the San Pasqual Vineyards*. Addendum No. 1 to Order No. 78-45 modified the requirements to reflect the change in treatment and disposal method and the change in compliance date identified by Finding Nos. 2, 3, and 4 of this Order.
7. As a part of the FY 1986/87 waste discharge order update program, Order No. 78-45 and Addendum No. 1 thereto have been reviewed by Regional Board staff in accordance with criteria established in the Administrative Procedures Manual adopted by the State Water Resources Control Board. As a result of this review, it has been determined that no major changes are necessary in the requirements established by Order No. 78-45 and Addendum No. 1 thereto. This Order which, supersedes Order No. 78-45 and Addendum No. 1 thereto, consolidates and makes minor editorial changes in the findings, requirements, and monitoring and reporting program of Order No. 78-45 and Addendum No. 1 thereto.
8. The San Pasqual Vineyards and winery operation is located near the City of Escondido in the City of San Diego. The winery currently produces approximately 10,000 gallons of wine annually; however, this volume is expected to increase. The winery operation results in the discharge of approximately 30,000 gallons per year of wastewater; more than half of this volume is discharged during the grape crush season in September and October of each year.
9. Wastes are generated within the winery from cooling an evaporative condenser, soaking wooden tanks and barrels, and washing equipment, tanks, and floors. Chemicals used in the washing process consist principally of soda ash which is used at the rate of 110 pounds per year. The wastewater is collected in a sump system and conveyed to the percolation ponds for disposal.
10. Review of Regional Board files as well as recent site inspections indicate that the French drain underdrain system identified in Finding No. 2 has never functioned properly. Regional Board staff has determined that the underdrain system provides no protection to ground water quality and that the system was installed to provide for an effluent sampling point. However, the effluent can be sampled at the end of the discharge pipe and thus the system is not necessary. Therefore, the requirements of Addendum No. 1 to Order No. 78-45 that the winery have an underdrain system has been deleted from this Order.
11. Partial results of an analysis of a 24-hour composite sample of the winery discharge collected by Mr. Kerry Damskey of winery staff on September 30, 1981 are as follows:

Constituent	Concentration	
Total Dissolved Solids	450	mg/L
Chloride	89	mg/L
Percent Sodium	10	%
Sulfate	235	mg/L

12. The winery discharge is located in the SW $\frac{1}{4}$  of Projected Section 1, T13S, R2W, SBB&M, near the San Dieguito River approximately three miles upstream of Lake Hodges, a domestic water supply reservoir, in the Hodges Hydrologic Subunit of the San Dieguito Hydrologic Unit.
13. The *Comprehensive Water Quality Control Plan Report, San Diego Basin (9)*, (Basin Plan) was adopted by this Regional Board on March 17, 1975; approved by the State Water Resources Control Board on March 20, 1975; and updated by the Regional Board on February 27, 1978; March 23, 1981; January 24 and October 3, 1983; August 27, 1984; and December 16, 1985. The 1978, 1981, 1983, 1984 and 1985 updates were subsequently approved by the State Board.
14. The Basin Plan established the following water quality objectives for the Hodges Hydrographic Subunit:

Constituent	Concentration not to be exceeded more than 10 percent of the time during and one year period			
	Ground Water		Surface Water	
Total Dissolved Solids*	1000	mg/L	500	mg/L
Chloride*	400	mg/L	250	mg/L
Percent Sodium	60	%	60	%
Sulfate*	500	mg/L	250	mg/L
Nitrogen and Phosphorus	- - -		**	
Nitrate*	5	mg/L	- - -	
Iron*	0.3	mg/L	0.3	mg/L
Manganese*	0.05	mg/L	0.05	mg/L
Methylene Blue Active Substances	0.5	mg/L	0.5	mg/L
Boron*	0.5	mg/L	0.5	mg/L
Dissolved Oxygen	- - -		***	
Odor	None		None	
Turbidity	5	NTU	20	NTU
Color	15	Units	20	Units
Fluoride	1.0	mg/L	1.0	mg/L

Note: NTU = Nephelometric Turbidity Units

\* Detailed salt balance studies are recommended for this area to determine limiting mineral concentration levels for discharge. On the basis of existing data, the tabulated objectives would probably be maintained in most areas. Upon completion of the salt balance studies, significant water quality objective revisions may be necessary. In the interim period of time, projects of ground water recharge with water quality inferior to the tabulated numerical values may be permitted following individual review and approval by the Regional Board if such projects do not degrade existing ground water quality to the aquifers affected by the recharge.

\*\* Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/L in any stream at the point where it enters any standing body of water, nor 0.025 mg/L in any standing body of water. A desired goal in order to prevent plant nuisances in streams and other flowing waters appears to be 0.1 mg/L total P. These values are not to be exceeded more than 10 percent of the time unless studies of the specific water body in questions clearly show that water quality objectives changes are permissible and changes are approved by the Regional Board. Analogous threshold values have not been set for nitrogen compounds; however, natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data are lacking, a ratio of N:P = 10:1 shall be used.

\*\*\*Ninety percent or more of natural seasonal minimum oxygen concentration and more than 5.0 mg/L maintained at least 90 percent of the time.

15. The Basin Plan established the following beneficial uses for the surface waters of the Hodges Hydrographic Subunit:

- a. Municipal and domestic supply
- b. Agricultural supply
- c. Industrial service supply
- d. Industrial process supply
- e. Water contact recreation
- f. Noncontact water recreation
- g. Warm fresh-water habitat
- h. Cold fresh-water habitat
- i. Wildlife habitat
- j. Ground water recharge (potential)

16. The Basin Plan established the following beneficial uses for the ground waters of the Hodges Hydrographic Subunit.

- a. Municipal and domestic supply
- b. Agricultural supply<sup>1</sup>

- c. Industrial service supply
- d. Ground water recharge

17. The Basin Plan contains the following prohibitions which are applicable to the discharge:

"Discharge of treated or untreated sewage or industrial wastes to a natural watercourse upstream of surface storage or diversion facilities used for municipal supply is prohibited.

"Discharge of treated or untreated sewage or industrial wastewater, exclusive of cooling water or other waters which are chemically unchanged, to a watercourse, is prohibited except in cases where the quality of said discharge complies with the receiving body's water quality objectives.

"Discharging of treated or untreated sewage or industrial wastes in such manner or volume as to cause sustained surface flow or ponding on lands not owned or under the control of the discharger is prohibited except in cases defined in the previous paragraph and in cases in which the responsibility for all downstream adverse effects is accepted by the discharger.

"The dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste directly into inland waters or watercourses or adjacent to the watercourses in any manner which may permit its being washed into the watercourse is prohibited.

"Dumping or deposition of oil, garbage, trash or other solid municipal, industrial or agricultural waste into natural or excavated sites below historic water levels or deposition of soluble industrial wastes at any site is prohibited, unless such site has been specifically approved by the Regional Board for that purpose."

18. Review of limited data on groundwater quality in the vicinity of San Pasqual Vineyards, indicates that the groundwater total dissolved solids (TDS) concentrations in this area exceed the groundwater quality objective for TDS, as established by the Basin Plan. Since existing groundwater quality for TDS in this area is not better than the groundwater quality objectives for TDS as established by the Basin Plan, State Water Resources Control Board resolution 68-16 *Statement of Policy with Respect to Maintaining High Quality of Waters in California is not applicable.*

Note: <sup>1</sup>Existing beneficial use, but water quality does not meet criteria for municipal and either agricultural irrigation or livestock watering.

19. The Regional Board, in establishing the requirements contained herein, considered factors including, but not limited to the following:
  - a. Beneficial uses to be protected and the water quality objectives reasonably required for that purpose;
  - b. Other waste discharges;
  - c. The need to prevent nuisance;
  - d. Past, present and probable future beneficial uses;
  - e. Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto;
  - f. Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
  - g. Economic considerations;
  - h. The need for developing housing within the Region.
20. San Pasqual Vineyards is an existing facility and as such is exempt from the provisions of the California Environmental Quality Act, in accordance with Title 14, California Administrative Code, Chapter 3, Article 19, Section 15301.
21. The Regional Board has considered all water resource related environmental factors associated with the existing discharge of waste.
22. The Regional Board has notified the discharger and all known interested parties of the intent to update waste discharge requirements for the existing discharge.
23. The Regional Board in a public meeting heard and considered all comments pertaining to the existing discharge.

*IT IS HEREBY ORDERED, That* San Pasqual Vineyards (hereinafter discharger) in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

*A. PROHIBITIONS*

1. Discharges of wastes to lands which have not been specifically described to the Regional Board and for which valid waste discharge requirements are not in force are prohibited.
2. The discharge of any radiological, chemical or biological warfare agent, or high-level radiological waste is prohibited.
3. The disposal of wastewater in a manner that would result in ponding or surfacing of wastewater on lands beyond the disposal area, as described in the findings of this Order, is prohibited.
4. The discharge of wastewater or sludge shall not:
  - (a) Cause the occurrence of coliform or pathogenic organisms in waters pumped from the basin;
  - (b) Cause the occurrence of objectionable tastes and odors in water pumped from the basin;
  - (c) Cause waters pumped from the basin to foam;
  - (d) Cause the presence of toxic materials in waters pumped from the basin;
  - (e) Cause the pH of waters pumped from the basin to fall below 6.0 or rise above 9.0;
  - (f) Cause this Regional Board's objectives for the ground or surface waters of the Hodges Hydrographic Subunit as established in the Basin Plan, to be exceeded;
  - (g) Cause odors, septicity, mosquitos or other vectors, weed growth or other nuisance conditions in the San Dieguito River or its tributaries; or
  - (h) Cause a surface flow recognizable as wastewater in the San Dieguito River or its tributaries.
5. The discharge of a waste flow volume in excess of 30,000 gallons per year is prohibited unless the discharger obtains revised waste discharge requirements for the proposed increased flow.
6. Odors, vectors, and other nuisances of wastewater or solid waste origin beyond the limits of the disposal area are prohibited.

7. The discharge of waste in a manner other than as described in the findings of this Order is prohibited unless the discharger obtains revised waste discharge requirements that provide for the proposed change.
8. The discharge of treated or untreated wastewater to the San Dieguito River or its tributaries is prohibited.
9. Basin Plan prohibitions shall not be violated.

*B. DISCHARGE SPECIFICATIONS*

1. Concentrations of mineral constituents in the discharge of wastes to the percolation ponds shall not exceed the following:

<u>Constituent</u>	<u>Concentration</u>
Total Dissolved Solids	1000 mg/L
Chloride	400 mg/L
Sulfate	500 mg/L
Percent Sodium	60 %
Fluoride	1.0 mg/L
Boron	0.5 mg/L

2. All waste treatment, containment and disposal facilities (including storage ponds and percolation ponds), with the exception of irrigation areas, shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.
3. All waste treatment, containment and disposal facilities (including storage ponds and percolation ponds), with the exception of irrigation areas, shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year frequency 24-hour storm.
4. Collected screenings, sludges, other solids removed from liquid wastes, and filter backwash shall be disposed of in a manner approved by the Executive Officer of the Regional Board.

*C. PROVISIONS*

1. Neither the treatment nor the discharge of waste shall create a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code.

2. The discharger must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for (a) enforcement action; (b) termination, revocation and reissuance, or modification of this Order; or (c) denial of a Report of Waste Discharge renewal application.
3. In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies for example, when the primary source of power of the treatment facility fails, is reduced, or is lost.
4. The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
5. The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.
6. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:
  - (a) Violation of any terms or conditions of this Order;
  - (b) Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts; or
  - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge. The filing of a request by the discharger for the modification, revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

7. This Order is not transferrable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the discharger and incorporate such other requirements as may be necessary under the California Water Code. The discharger shall submit notice of any proposed transfer of this Order's responsibility and coverage to a new discharger as described under Reporting Requirement D.3. The proposed transfer shall not take effect if the Executive Officer objects within thirty days after the notice of the proposed transfer is submitted.
8. This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from his liability under federal, state or local laws, nor create a vested right for the discharger to continue the waste discharge.
9. The discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:
  - (a) Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
  - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
  - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
  - (d) Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.
10. A copy of this Order shall be maintained at San Pasqual Vineyards and shall be available to operating personnel at all times.
11. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 78-45 and Addendum No. 1 thereto. Order No. 78-45 and Addendum No. 1 thereto are hereby rescinded when this Order becomes effective.
12. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

*D. REPORTING REQUIREMENTS*

1. The discharger shall file a new Report of Waste Discharge at least 120 days prior to the following:
  - (a) Addition of a major industrial waste discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the wastes.
  - (b) Significant change in the treatment or disposal method (e.g., change in the method of treatment which would significantly alter the nature of the waste).
  - (c) Change in the disposal area from that described in the findings of this Order.
  - (d) Increase in flow beyond that specified in this Order.
  - (e) Other circumstances which result in a material change in character, amount, or location of the waste discharge.
  - (f) Any planned change in the regulated facility or activity which may result in noncompliance with this Order.
2. The discharger shall furnish to the Executive Officer of this Regional Board, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Executive Officer, upon request, copies of records required to be kept by this Order.
3. The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new discharger. The notice must include a written agreement between the existing and new discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgement that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on.
4. The discharger shall comply with the attached Monitoring and Reporting Program No. 87-100. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 87-100.
5. If a need for a discharge bypass is known in advance, the discharger shall submit prior notice and, if at all possible, such notice shall be submitted at least 10 days prior to the date of the bypass.

6. Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information.
7. The discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the Executive Officer within 24 hours:
  - (a) Any bypass from any portion of the treatment facility.
  - (b) Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
  - (c) Any treatment plant upset which causes the effluent limitations of this Order to be exceeded.
8. All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:
  - (a) The Report of Waste Discharge shall be signed as follows:
    - (1) *For a corporation* - by a principal executive officer of at least the level of vice-president.
    - (2) *For a partnership or sole proprietorship* - by a general partner or the proprietor, respectively.
    - (3) *For a municipality, state, federal or other public agency* - by either a principal executive officer or ranking elected official.
  - (b) All other reports required by this Order and other information required by the Executive officer shall be signed by a person designated in paragraph (a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph (a) of this provision;
  - (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and
  - (3) The written authorization is submitted to the Executive Officer.
- (c) Any person signing a document under this Section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

9. The discharger shall submit reports required under this Order, or other information required by the Executive Officer, to:

Executive Officer  
California Regional Water Quality Control Board  
San Diego Region  
9771 Clairemont Mesa Blvd, Suite B  
San Diego, California 92124-1331

*E. NOTIFICATIONS*

1. These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to Section 402 of the Clean Water Act.
2. The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board is subject to a civil monetary remedy of up to 20 dollars per gallon of waste discharged or, if a cleanup and abatement order is issued, up to 15,000 dollars per day of violation or some combination thereof.
3. The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor.
4. This Order becomes effective on the date of adoption by the Regional Board.

*I, Ladin H. Delaney, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region on June 15, 1987.*

*Ladin H. Delaney*

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*LADIN H. DELANEY  
Executive Officer*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. 87-100  
FOR THE  
SAN PASQUAL VINEYARDS  
SAN DIEGO COUNTY

A. *MONITORING PROVISIONS*

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this Order and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.
2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than  $\pm 5$  percent from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:
  - a. "A Guide to Methods and Standards for the Measurement of Water Flow," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D. C. 20402. Order by SD Catalog No. C13.10:421.)
  - b. "Water Measurement Manual," U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington D. C. 20402. Order by Catalog No. 127,19/2:W29/2, Stock No. S/N 24003-0027.)

- c. "Flow Measurement in Open Channels and Closed Conduits," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS) Springfield, VA 22151. Order by NTIS No. PB-273-535/5ST.)
- d. "NPDES Compliance Sampling Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. Publication MCD-51, 1977, 140 pp. (Available from the General Services Administration (8FFS), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.)
3. Monitoring must be conducted according to United States Environmental Protection Agency test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this Order.
4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.
5. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.
6. If the discharger monitors any pollutants more frequently than required by this Order, using test procedures approved under 40 (CFR), Part 136, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.
7. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer or the United States Environmental Protection Agency.

8. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. The individual(s) who performed the analyses;
  - e. The analytical techniques or method used; and
  - f. The results of such analyses.
9. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Executive Officer or in this Order.
10. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices. Annually, the discharger shall submit to the Executive Officer a written statement signed by a registered professional engineer certifying that all flow measurement devices have been calibrated and will reliably achieve the accuracy required by Monitoring Provision A.2.
11. The discharger shall report all instances of noncompliance not reported under Reporting Requirement D.7 of this Order at the time monitoring reports are submitted. The reports shall contain the information listed in Reporting Requirement D.7.
12. The monitoring reports shall be signed by an authorized person as required by Reporting Requirement No. D.8.
13. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.

B. EFFLUENT MONITORING

1.

Determination	Unit	Type of Sample	Sampling* Frequency	Reporting Frequency
Biochemical Oxygen Demand (BOD <sub>5</sub> @ 20°C)	mg/L	Grab	Semiannually	Semiannually
Total Suspended Solids	mg/L	Grab	Semiannually	Semiannually
Total Dissolved Solids	mg/L	Grab	Semiannually	Semiannually
Chloride	mg/L	Grab	Semiannually	Semiannually
Sulfate	mg/L	Grab	Semiannually	Semiannually
Sodium	mg/L	Grab	Semiannually	Semiannually
Fluoride	mg/L	Grab	Semiannually	Semiannually
Boron	mg/L	Grab	Semiannually	Semiannually

\* Effluent sampling shall be conducted at least once during the grape crushing season (September - October).

2. The monthly volume of wastewater discharged to the percolation ponds shall be reported semiannually.

Note: mg/L = milligrams per liter

*C. SOLIDS DISPOSAL*

A log of the quantity and type of solid wastes hauled for disposal and the point of disposal shall be submitted to this Regional Board semiannually. ei

*D. REPORT SCHEDULE*

Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

Reporting frequency

Semiannually

Reports due

April 30, October 30

Ordered by

*Ladin H. Delaney*

LADIN H. DELANEY  
Executive Officer  
June 15, 1987

WP:vn