

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 87-121

WASTE DISCHARGE REQUIREMENTS FOR:

CHRISTIAN BROTHERS MONT LA SALLE VINEYARDS &  
HESS WINE COMPANY  
NAPA, NAPA COUNTY

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

1. The Christian Brothers Mont La Salle Vineyards owns and operates a wastewater pond system at 4411 Redwood Road, Napa, in Napa County. The discharge is currently governed by Board Order No 79-89, as amended by Order No. 81-10.
2. The Christian Brothers Mont La Salle Vineyard, in November 1986, entered into a 50-year lease agreement with the Hess Wine Company (dba Hess Collection Winery). The Hess Wine Company leases the winery office and building from Mont La Salle Vineyards and will be responsible for the operation and maintenance of the wastewater treatment and disposal facilities. The lease agreement will not result in a wastewater generation rate higher than the designed capacity of the wastewater treatment facilities. The wastewater treatment system and disposal method will remain unchanged.
3. The Hess Wine Company filed a Report of Waste Discharge on July 29, 1987 requesting the waste discharge requirements be updated to include the lease agreement between the Mont La Salle Vineyards and the Hess Wine Company. The Christian Brothers Mont La Salle Vineyards and the Hess Wine Company are hereinafter collectively called the Discharger.
4. The Discharger operates a wastewater system which treats a combined domestic waste and winery process waste in a series of two aerated stabilization ponds. The ponds have a surface area of approximately 1.6 acres and a storage capacity of 4.7 million gallons, and is capable of handling 15,000 gallons per day (gpd) during the crushing season. Winery waste is generated from the crushing of up to 3,000 tons of grape each year. Domestic waste is generated from approximately 30 winery employees, 20 residents at a pre-existing school, and an estimated 60 visitors per day. Estimated flow for the combined waste is, at ultimate crushing level, less than 12,000 gpd during crushing season and approximately 6,000 gpd during non-crushing season. Prior to discharging into the ponds, the combined waste is screened and rereceives pretreatment in septic tanks-leachfield system.
5. Wastewater is treated and stored in the ponds during wet weather. During dry weather, disposal of pond effluent is accomplished by spraying onto hillside areas located nearby the ponds. The spray disposal areas are of brush and trees, with an estimated total

acreage of 2.75 acres. Attachment A is a map showing the relative locations of the ponds and the spray disposal areas, and is hereby made a part of this Order.

6. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on December 17, 1986. The Basin Plan contains water quality objectives for the Napa River and its tributaries.
7. The beneficial uses contained in the Basin Plan for the Napa River downstream from the vicinity of the Discharger's wastewater treatment and disposal facilities are:
  - a. Navigation
  - b. Water contact recreation
  - c. Non-contact water recreation
  - d. Warm fresh water habitat
  - e. Cold fresh water habitat
  - f. Wild life habitat
  - g. Preservation of rare and endangered species
  - h. Fish migration and spawning
8. The beneficial uses of the Napa Valley groundwaters as set forth in the Basin Plan includes:
  - a. Municipal supply
  - b. Industrial process water supply
  - c. Industrial service supply
  - d. Agricultural supply
9. This project involves the operation of existing privately-owned sewage disposal facilities with negligible or no expansion of use beyond that previously existing. Adoption of waste discharge requirements by the Board for such project is exempt from the provisions of the California Environmental Quality Act in accordance with Title 14, California Administrative Code, Chapter 3, Section 15101.
10. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the Discharger, pursuant to the provisions contained in Division 7 of the California Water code and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. There shall be no bypass or overflow of untreated or inadequately treated wastewater to waters of the State from the

Discharger's wastewater collection, treatment, or storage facilities.

2. The wastewater shall not be allowed to escape from the Discharger's spray disposal area onto other non-designated area via surface flow, seepage, or resurfacing after percolation.
3. Discharge of toxic substances into the ponds which will disturb the normal biological stabilization mechanisms of the ponds shall be prohibited.
4. The discharge of combined domestic and industrial waste to the pond shall not exceed an average of 15,000 gallons per day during crushing season.

B. Discharge Specifications

General

1. Neither the treatment nor the disposal of wastes shall create a nuisance or pollution as defined in the California Water Code.
2. The discharge of waste shall not degrade the quality of any groundwater suitable for domestic use or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.
3. The Discharger shall maintain in good working order and operate as efficiently as possible any facilities or control system installed by the Discharger to achieve compliance with the waste discharge requirements.
4. The public shall be effectively excluded from the wastewater treatment and spray disposal area.
5. If pumps are used in the collection system, a high water level alarm shall be installed in each pump station wet well to prevent the occurrence of sewage spill resulting from power failure or mechanical breakdown.

Stabilization Ponds

6. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.
7. To prevent threat of overflows, a minimum freeboard of 2 feet shall be maintained in the ponds at all times.
8. Waste at the surface of the treatment ponds shall meet the following quality limits at all times:

In any grab sample:

Dissolved Oxygen

2.0 mg/l minimum

Dissolved Sulfide	0.1 mg/l maximum
pH	6.0 minimum 9.0 maximum

Waste Disposal

9. Waste as discharged to the spray disposal area shall meet the following quality limits at all times:

In any grab sample:

5-day Biological Oxygen Demand (5-day BOD)	40 mg/l maximum
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10. The discharge of wastewater onto the spray disposal area shall be limited to the period from May 16 through September 30th of each year, unless formal approval has been obtained from the Executive Officer. The spray disposal shall be ceased when it is expected to rain, or when the soil is saturated and runoff is likely to occur. Wastewater ponding in the disposal site which could cause mosquitoes breeding problem shall be prevented.
11. Waste discharged through leachlines into the soil shall be kept below ground surface at all times.

C. Provisions

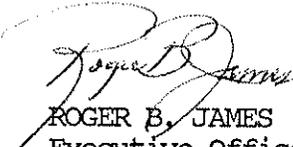
1. The Discharger shall comply with a Self-Monitoring Program as ordered by the Executive Officer.
2. The Discharger shall permit the Board or its authorized representatives in accordance with California Water Code Section 13267(c):
  - (a) Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this order;
  - (b) Access to and copy at reasonable times any records that must be kept under the conditions of this order;
  - (c) To inspection at reasonable times any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this order; and
  - (d) To photograph, sample, and monitor at reasonable times for the purpose of assuring compliance with this order.
3. When an approved public sanitary sewer is within 400 feet of the ponds, the Discharger shall submit a technical report to the satisfaction of the Executive Officer and time schedule describing how the ponds will be abandoned and connection made to the sanitary sewer.

4. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
5. The Discharger shall file with the Regional Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the wastewater.
6. In the event the Discharger is unable to comply with any of the conditions of this Order due to:
  - (a) Breakdown of waste treatment equipment;
  - (b) Accidents caused by human error or negligence; or
  - (c) Other causes such as acts of nature,the Discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.
7. The Board will review this Order periodically and may revise the requirements when necessary.
8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
  - (a) Violation of any term or condition contained in this Order;
  - (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
  - (c) Endangerment to public health or environment that can only be regulated to acceptable levels by order modification or termination; and
  - (d) Any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
9. In reviewing compliance with Prohibition A.1. and Discharge Specification B.7. of this Order, the Board will take special note of the difficulties encountered in achieving compliance during entire wet seasons having a rainfall recurrence interval of greater than once in ten years.
10. All equipment including pumps, piping and valves, storage ponds,

etc. which may at any time contain wastes shall be adequately and clearly identified with warning signs and the Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained therein is wastewater and is unfit for human consumption.

11. The waste discharge requirements prescribed by this Order supersedes the requirements prescribed by the Board's Order Nos. 79-89 and 81-10. Order Nos. 79-89 and 81-10 are hereby rescinded.

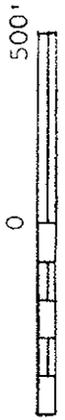
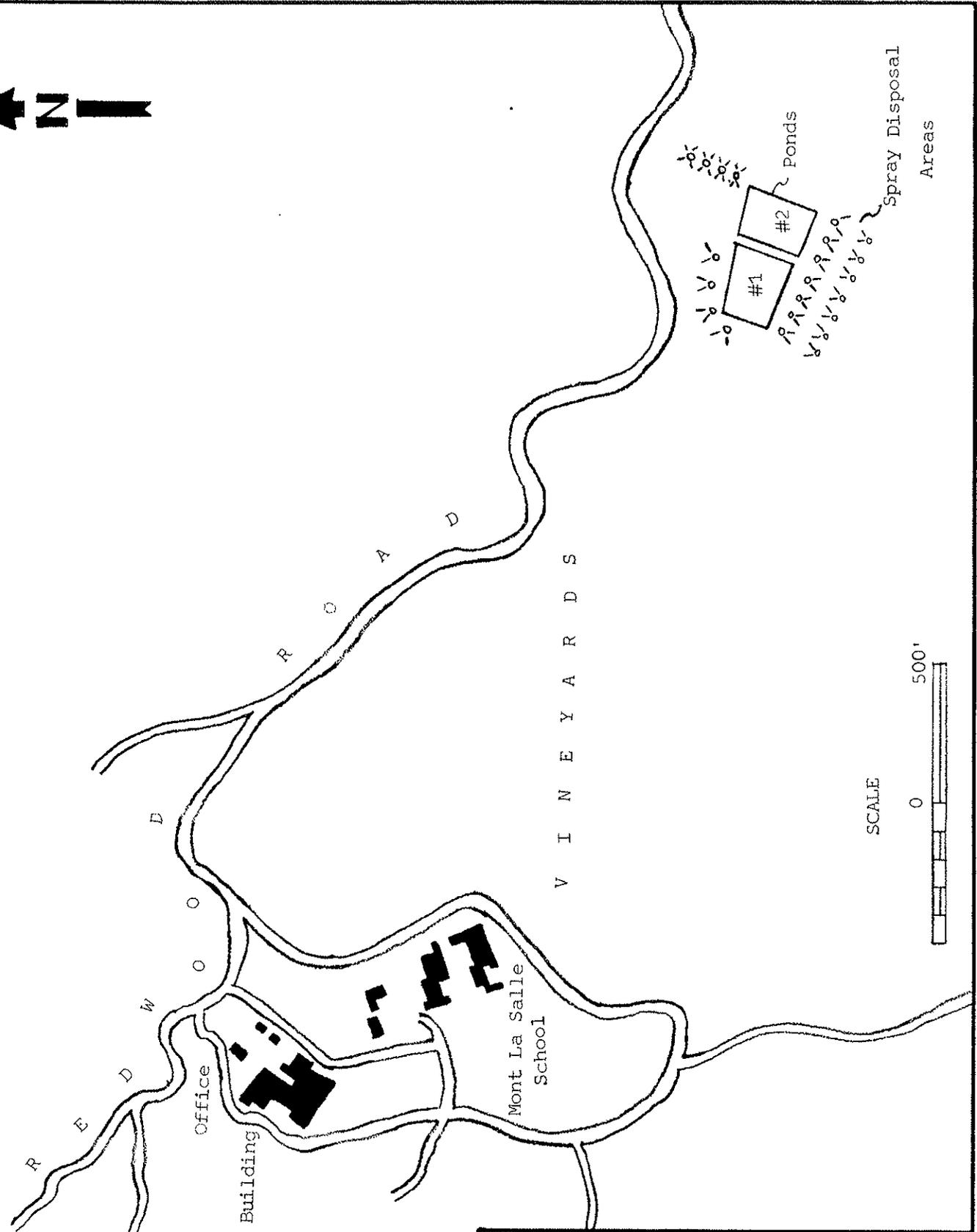
I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 16, 1987.



ROGER B. JAMES  
Executive Officer

Attachments:

Location Map  
Self-Monitoring Program



<b>STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION</b>		
ATTACHMENT A: Location Map, Christian Brothers Mont La Salle Vineyards & Hess Wine Company, Napa County		
<b>DRAWN BY:</b>	<b>DATE:</b>	<b>DRWG. NO.</b>

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

FINAL  
SELF-MONITORING PROGRAM  
FOR

CHRISTIAN BROTHERS MONT LA SALLE VINEYARDS &

HESS WINE COMPANY

NAPA, NAPA COUNTY

ORDER NO. 87-121

CONSISTS OF

PART A

PART A

CHRISTIAN BROTHERS MONT LA SALLE VINEYARDS &  
HESS WINE COMPANY

I. GENERAL

Basis

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

Purpose

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 waste discharge requirements and prohibitions established by this Regional Board; and
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the 40 CFR S136 or other methods approved and specified by the Executive Officer of this Regional Board.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health (DOHS) or a laboratory waived by the Executive Officer from obtaining a certification for these analyses by the DOHS. The director of the laboratory whose name appears on the certification or his/her laboratory supervisor who is directly responsible for analytical work performed shall supervise all analytical work including appropriate quality assurance/quality control procedures in his or 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

1. A grab sample is defined as an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples shall be collected during normal peak loading conditions for the parameter of interest, which may or may not be during hydraulic peaks. It is used primarily in determining compliance with daily maximum limits and instantaneous maximum limits. Grab samples represent only the condition that exists

at the time the wastewater is collected.

2. A flow sample is defined as the accurate measurement of the average daily flow volume using a properly calibrated and maintained flow measuring device.

3. Standard Observations

a. Land Retention or Disposal Area

This applies both to liquid and solid wastes confined or unconfined.

- (1) For each impoundment determine amount of the freeboard at lowest point of dikes confining liquid wastes.
- (2) Evidence of leaching liquid from area of confinement and estimated size of affected area. (Show affected area on a sketch and estimate volume of flow.)
- (3) Odor: presence or absence, characterization, source, and distance of travel.
- (4) Estimated number of waterfowl and other water-associated birds in the disposal area and vicinity.

b. Periphery of Waste Treatment and/or Disposal Facilities

- (1) Evidence of wastewater escaping the spray disposal site through surface runoff or airborne spray. (Show affected area on a sketch.)
- (2) Odor: presence or absence, characterization, source, and distance of travel.
- (3) Evidence of surfacing or ponding of wastewater as well as mosquitoes breeding problem within the spray disposal area due to excessive spray.
- (4) Warning signs or notices adequately posted to inform public of the disposal of wastewater.

IV. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSIS AND OBSERVATIONS

1. DESCRIPTION OF SAMPLING STATIONS

Station

Description

A. INFLUENT

A-001

At any point in the treatment facilities headworks where all waste tributary to the system is present, excluding any plant

recirculation or other sidestream wastes.

B. EFFLUENT

E-001 At any point in the effluent from the treatment ponds, prior to the point of land disposal, where all wastes tributary to the land disposal are present.

C. STABILIZATION PONDS

<u>Station</u>	<u>Description</u>
P-1 and P-2	Located at a point in pond No.1 and No.2, respectively, one foot below the water surface and no less than two feet from the bank, representative of the wastewater.

c. LAND OBSERVATION

<u>Station</u>	<u>Description</u>
L-1 thru L-'n'	Located at ends and midpoints of the perimeter levees of all the stabilization ponds.
I-1 thru I-'n'	Located at points spaced equidistantly around the periphery of the spray irrigation area. Points shall be separated by not more than 100 feet. A sketch showing the stations shall be submitted with the first monitoring report and subsequent self-monitoring reports when station location is changed or when violations are noted.

2. SCHEDULE OF SAMPLING, ANALYSIS, AND OBSERVATIONS

The Discharger is required to perform observations, sampling, and analyses according to the schedule given in Table 1. (Attachment A)

V. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Report of Permit Violation:

In the event the Discharger violates or threatens to violate the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failure, or breakdown of waste treatment equipment; or
- (b) accidents caused by human error or negligence; or
- (c) other causes such as acts of nature;

the Discharger shall notify the Regional Board office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within seven working days of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problems from recurring.

## 2. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and filed no later than the fifteenth day of the following month. The reports shall be comprised of the following:

### a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, actions taken or planned for correcting violations, such as operation modifications and/or facilities expansion. If the Discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate, and complete.

### b. Results of Analyses and Observations

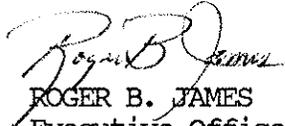
Tabulations of the results from each required analysis and/or observations specified in Table 1 (Attachment A) by date, time, type of sample, and station.

### c. List of Approved Analyses

- (1) Listing of analyses for which the Discharger is approved by the State Department of Health Services.
- (2) List of analyses performed for the Discharger by another approved laboratory (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

I, Roger B. James, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with the Waste Discharge Requirements established in Regional Board Order No. 87-121.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the Discharger, and revisions will be ordered by the Executive Officer.

  
ROGER B. JAMES  
Executive Officer

Effective Date: September 16, 1987

Attachments:

- A. Table I
- B. Checklist for Standard Observation at spray disposal site

ATTACHMENT A

TABLE 1

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES  
 (Christian Brothers Mont La Salle  
 Vineyards & Hess Wine Company)

SAMPLING STATIONS	A-1	E-001	all P	all L	all I
Type of Samples	G	G	G	O	O
Flow Rate, (MGD)	D	D			
5-day BOD, (mg/l)		M			
pH, (unit)		M	2/M		
Dissolved Oxygen, (mg/l)		M	2/M		
Dissolved Sulfides, (mg/l), (1)		M	2/M		
Settleable Matter, (ml/l-hr)		M			
Applicable Standard Observations				W	W <sup>(2)</sup>

LEGEND FOR TABLE 1

Type of Sample

G= Grab sample,  
 O= Observations,

Sampling Frequency

D= Daily,  
 W= Once per week,  
 2/M= Twice per month with at  
 least 10 days between  
 sampling,  
 M= Monthly,

Notes:

- (1). Analyze for this item only when Dissolved Oxygen is below 2.0 mg/l.
- (2). During the spray disposal period, the discharger shall perform standard observations and record the findings on the attached checklist (Attachment B). The checklist shall be filled out monthly and be attached to the quarterly self-monitoring report to the Board for review. The observations must be made during the periods when spray disposal is in progress.

ATTACHMENT B

Checklist for Standard Observation at Spray Disposal Site

1. Name of Discharger: Mont La Salle Vineyards & Hess Wine Company
2. Month and Year: \_\_\_\_\_
3. Circle dates that wastewater are applied on land: 1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
4. Total gallons used for the month: \_\_\_\_\_
5. Required weekly observations: (Fill in the date of the inspection and write "yes" or "no" for each observation.)

Date and Time					
Escape of Wastewater from the Spray Disposal Site through Surface Flow or Airborne Spray					
Wastewater being Sprayed on Unauthorized Areas					
Odor from Wastewater					
Mosquitoes Problem Resulted from Wastewater Ponding					
Warning Signs Properly Posted					
Public Contact with Wastewater					

If any of the observations were yes, a written report containing the following information shall be submitted:

- (1) State time when noted violation(s) was observed and, if appropriate, show its location on a map.
- (2) Explain cause and extent of violation(s) observed.
- (3) Describe corrective action taken and the dates compliance was achieved and spray disposal was resumed.

6. Certification:

I certify that the information in this checklist, to the best of my knowledge, is true, accurate, and complete.

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Date