CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCSICO BAY REGION

ORDER NO. 98-064

WASTE DISCHARGE REQUIREMENTS FOR:

CULINARY INSTITUTE OF AMERICA, A NEW YORK CORPORATION; WINE COUNTRY INN, A CALIFORNIA LIMITED PARTNERSHIP; FREEMARK ABBEY WINERY, A CALIFORNIA LIMITED PARTNERSHIP; AND MARKHAM WINERY, A WYOMING CORPORATION; IN NAPA COUNTY

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

1. The Culinary Institute of America, Markham Winery, Freemark Abbey Winery and Wine Country Inn (hereinafter called the Dischargers), collectively use a wastewater pond system located on the Markham Winery property at 2812 St. Helena Highway, about one mile north of the City of St. Helena, for treatment of combined winery process and domestic wastewater and disposal of treated wastewater to land.

2. The Culinary Institute of America, also known as the "Greystone Cellars, on behalf of the dischargers, submitted technical reports entitled *Wastewater Feasibility Report* and *Addendum*, dated May 18, 1993 and May 24, 1993, respectively. These reports describes changes to the previously existing combined wastewater system serving the Freemark Abbey Winery, the Markham Winery and the Wine Country Inn facilities. The Greystone facility had discharged to a separate system permitted to the former owners, the Christrian Brothers. The purpose of these changes was to provide a single combined wastewater treatment and disposal system to serve all four facilities.

3. The existing combined wastewater system serving Freemark Abbey Winery, Markham Winery and Wine Country Inn is currently regulated under waste discharge requirements in Order No. 89-054, adopted by the Board on April 19, 1989. The previously existing wastewater system serving the Greystone facility, which was formerly a wine production facility, was regulated by waste discharge requirements in Order No. 82-013, adopted by the Board on March 17, 1982. The purpose of this current Order is to prescribe updated waste discharge requirements for the new combined wastewater system which serves all four facilities. This Order rescinds and supersedes the existing Orders No. 89-054 and 82-013.

4. The Wine Country Inn is a 25-unit bed and breakfast facility located at 1152 Lodi Lane, St. Helena, about one half mile north of the Markham Winery facility. Domestic wastewater collected in a sump and pumped to the Markham ponds via an underground sewer line which is used jointly with the Freemark Abbey Winery.

5. The Freemark Abbey Winery is located at 3022 St. Helena Highway, north of Lodi Lane, adjacent to the Wine Country Inn property. The Freemark Abbey Winery complex includes

facilities for wine production (crushing, fermentation, aging, bottling and storage), wine tasting and retail sales, two restaurants, a candle factory and gift shop, and rented office space. The winery crushes 400 to 500 tons of grapes per year for production of up to about 80,000 gallons of wine per year. Combined domestic and winery wastewater is pumped from the facilities directly to the pond system located on the Markham property.

6. The Markham Winery is located at 2812 St. Helena Highway and includes wine production (crushing, fermentation, aging, bottling and storage), wine tasting and retail sales facilities. The winery has a permitted throughput of 2000 tons of grapes per year, for production of about 300,000 gallons of wine per year. Domestic and wastewater is discharged to the ponds onsite, along with the process wastewater.

7. The Culinary Institute of America (CIA) facility is located at 100 South St. Helena Highway, at the historic building and grounds known as Greystone Cellars. Greystone Cellars was formerly a winery production facility owned and operated by the Christian Brothers. The facility was purchased by CIA in 1992, and converted to a culinary education facility. The CIA facility currently consists of culinary teaching facilities, restaurant, student and faculty lodging, etc.

8. The projected annual wastewater generation rates for the Dischargers' facilities described above are tabulated below (in million gallons per year):

	Domestic	*Winery*	*Design Total*
Wine Country Inn	0.675	Ø	0.675
Freemark Abbey Winery	2.00	0.50	2.50
Markham Winery	0.33	1.92	2.25
Culinary Institute-Greystone	5.42	Ø	5.42
Total	**8.395**	**2.42**	**10.845**

9. Collected wastewater from the above facilities is discharged into two ponds on Markham Winery property (No 1 and No. 2, see attached map). The ponds are equipped with two mechanical aerators. The ponds are in series with the first pond supplying the majority of the needed aeration and residence time. The ponds each have a total depth of about twelve feet. With two feet of freeboard, the smaller pond has a storage volume of 2.6 million gallons, and the larger pond has about 6.1 million gallons of storage capacity.

10. Pond effluent is pumped through a pressure sand filter prior to disinfection by chlorination. Filtered, disinfected effluent is stored in either a steel irrigation tank or a two compartment storage pond that has a volume of 3.11 million gallons. Water from the storage tank is filtered and pumped to drip irrigation system on 7.7 acres of vineyard. Water from the storage pond is pumped to a drip irrigation system situated on 14.9 acres of vineyard. The drip irrigation vineyards are located adjacent and to the north and south of the wastewater ponds, on property owned by the Freemark Abbey Winery and the Institute (see attached map).

11. A set of two evaporation ponds were added to the system in 1993 to allow for contingent disposal of water by evaporation. The ponds are located east of the treatment ponds, adjacent to

the Napa River, on property owned by the Institute. There is no discharge from the evaporation ponds. These ponds are approximately 2.6 acres in size.

12. The drip irrigation area will be appropriately fenced to restrict public access and bermed to prevent off-site runoff of reclaimed water. A map showing the locations of the existing facilities and the proposed drip irrigation area is included as Attachment A of this Order.

13. Effluent will be applied to the vineyards at rates of about 4 to 6 inches per month during the growing season, and no more than 2.4 inches per month during the dormant season (November through February). Irrigation of the vineyards will be suspended at least 30 days prior to and during harvest, in order to prevent contact with reclaimed water during harvest.

14. A water balance analysis of the treatment pond and drip irrigation system indicates that, with proper operation and management, the system will have adequate capacity to handle the design wastewater flows described in Finding 14 above, and direct precipitation of a 10-year recurrence interval rainfall record.

15. The Dischargers developed an easement agreement, with Markham Winery at the owner of the ponds and Freemark Abbey Winery and Wine Country Inn and Culinary Institute as dischargers of wastewater to the system.

16. A residence which is served by a domestic water supply well is located among the vineyards to the north of the drip irrigation field. A minimum setback distance of 100 feet will be maintained between the drip irrigation field and the domestic water well.

17. A 12-inch diameter water main, which is buried at least three feet below the ground surface, traverses the eastern portion of the drip irrigation area, in a north-south direction. This pipe transports potable water to the City of Calistoga. A minimum setback distance of 20 feet will be maintained between areas irrigated with reclaimed water and the line of this water supply main.

18. Solid waste produced at the Freemark Abbey Winery and the Markham Winery from wine production operations, consisting primarily of pomace, seeds and stems, will be spread and disked into the soils on approximately 10.5 acres of vineyard owned by Freemark Abbey Winery. These solid wastes would be produced at an estimated rate of about 325 tons (about 320 cubic yards) per year, at the wineries' ultimate capacity. Septic and settling tank solids will be pumped out by a licensed septic tank service and hauled away for disposal at an authorized site.

19. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on June 21, 1995. This updated and consolidated plan represents the Board's master water quality control planning document. The revised Basin Plan was approved by the State Water Resources Control Board (SWRCB) and the Office of Administrative Law on July 20, 1995 and November 13, 1995, respectively. A summary of the regulatory provisions is contained in Title 23 of the California Code of Regulations, Section 3912. The Basin Plan identifies beneficial uses and water quality objectives for waters of the state in the Region, including surface waters and groundwaters. The Basin Plan also identifies effluent limitations and discharge prohibitions intended to protect beneficial uses. This Order implements the plans, policies and provisions of the Board's Basin Plan.

20. The Basin plan contains a listing of beneficial uses of the Napa River and groundwaters in the Napa Valley area. The beneficial uses of the Napa River downstream from the vicinity of the Dischargers' wastewater system, as set forth in the Basin Plan, include:

a. Navigation
b. Water Contact Recreation
c. Non-Contact Water Recreation
d. Warm Fresh Water Habitat
e. Cold Fresh Water Habitat
f. Wildlife Habitat
g. Preservation of Rare and Endangered Species
h. Fish Migration and Spawning
i. Municipal and Domestic Supply
j. Agricultural Supply

21. The beneficial uses of groundwaters in the Napa Valley area, as set forth in the Basin Plan, include:

a. Municipal Supply
b. Industrial Process Water Supply
c. Industrial Service Supply
d. Agricultural Supply.

22. The Dischargers upgraded the wastewater system formerly permitted under Board Order 89-054 in order to consolidate the treatment of all wastewater from the Greystone facility, as well as the existing permitted wastewater flows from the other three facilities. Wastewater system modifications included conversion of process wastewater ponds to accept domestic wastewater, and an increased effluent disposal capacity by drip irrigation of vineyards. The conversion of the Greystone building to its current use was approved by the City of St. Helena on September 14, 1993. As part of the change in land use, City of St. Helena certified an Environmental Impact Report (January 5, 1993, DEIS and Mitigation Monitoring Plan). The significant impacts related to wastewater were mitigated by through the proper operation and management of sewage sludge, effluent percolation rates and contact with drip irrigation water. These mitigation measures are also addressed by the requirements contained in this order.

23. The Board has notified the Dischargers 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 written views and recommendations.

24. The Board, in a public hearing, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the Dischargers, 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. Wastewater discharged to the treatment ponds shall not exceed the total annual design flows of 10.9 million gallons per year (MGY) as described in Finding 8 of this Order.

2. No wastewater shall be applied to the drip irrigation area when soils are saturated, when conditions are such that runoff or pounding is likely to occur, during rainfall, or when rainfall is expected to occur within 24 hours.

3. Neither the treatment nor the disposal of wastes shall create a nuisance or pollution as defined in the California Water Code.

4. There shall be no bypass or overflow of waste to waters of the State from the Dischargers' wastewater collection, treatment, storage or disposal facilities.

5. Discharge of toxic substances into the ponds which will disturb the normal biological treatment mechanisms of the ponds is prohibited.

6. The discharge of waste shall not degrade the quality of any groundwater used for domestic purposes or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.

7. No reclaimed water shall be allowed to escape from the designated use area via surface flow.

8. Reclaimed water shall not be used as a domestic or animal water supply. There shall be no cross-connection between potable water supply and piping containing reclaimed water. Supplementing reclaimed water with water used for domestic supply shall not be allowed except through an air-gap separation.

9. Reclaimed water shall not be discharged onto any facility or area not designated for reclamation such as walkways, passing vehicles, buildings, domestic water facilities or food handling facilities. Drinking water facilities shall be protected from reclaimed water contact.

B. Discharge Specifications

General

1. All wastewater streams discharging into the ponds shall be measured in order to monitor the total flow rate of wastewater discharged into the ponds.

2. The use of reclaimed water shall be limited to drip irrigation of the vineyard area described in Finding 9 and as shown on Attachment A of this Order, unless written authorization is obtained from this Board's Executive Officer.

3. The wastewater ponds, and areas irrigated with reclaimed water shall be adequately fenced to restrict public access.

4. Conspicuous warning signs shall be posted around the ponds and the irrigation field informing the public that the water contained therein is reclaimed water which is not safe for drinking or contact. Signs shall be of sufficient size and proper wording to be clearly read. Signs shall be worded in English and Spanish. The signs shall be posted at the corners and midpoints of the pond and irrigation field perimeters.

Treatment/Storage Ponds

5. Water at the surface of the ponds shall meet the following quality limits at all times:

   In any grab sample:

a. Dissolved Oxygen	2.0 mg/l, minimum
b. Dissolved Sulfide	0.1 mg/l, maximum
c. pH	6.0, minimum;
	9.0, maximum.

6. To prevent the threat of overflows, a minimum freeboard of two (2) feet shall be maintained in the ponds at all times.

7. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.

Reclaimed Water System

8. Drip irrigation system emitters must be installed close to the ground and in such a manner to minimize the possibility that fruit will be sprayed with reclaimed water, if the emitters become plugged, broken or accidentally removed. The drip irrigation lines must be periodically inspected to ensure compliance with this provision.

9. A setback distance of at least 100 feet shall be maintained at all times between the drip irrigation area and any domestic water supply well.

10. A setback distance of at least 20 feet shall be maintained at all times between areas irrigated with reclaimed water and the line of the potable water supply main located within the proposed drip irrigation area.

11. There shall be at least a 10 foot horizontal and a one foot vertical separation between all major pipelines transporting reclaimed water and pipelines transporting domestic water, with the domestic water pipelines above the reclaimed water pipelines.

12. The downslope perimeters of the drip irrigation area shall be bermed or equipped with a tail-water collection system to prevent off-site runoff of reclaimed water.

Reclaimed Water Use

13. The Dischargers shall assure that reclaimed water disposed to the drip irrigation field is at all times an adequately oxidized, filtered, disinfected wastewater that meets the following quality limits at all times:

In any grab sample:

a.	Five-day Biochemical Oxygen Demand	40.0 mg/l, maximum
b.	Dissolved Oxygen	1.0 mg/l, minimum.
c.	Dissolved Sulfides	0.1 mg/l, maximum

At a point downstream of the disinfection facilities where adequate contact with the disinfectant is assured:

d. The median number of Total Coliform organisms shall not exceed 23 MPN/100 ml as determined from the results of the last seven days for which analyses have been completed. The number of Total Coliform organisms shall not exceed 240 MPN/100 ml in any two consecutive samples.

14. The Dischargers shall discontinue the pumping of reclaimed water to the irrigation field during any period when there is reason to believe that the limits contained in Specification (B.13) are not being met. The pumping of reclaimed water shall not be resumed until all conditions which caused the limits specified in B.13. to be violated have been corrected.

15. The Dischargers shall manage the drip irrigation system so as to minimize wastewater ponding which could cause a mosquito breeding problem.

16. Any grapes which come into contact with reclaimed water shall be removed from the harvestable crop which is used for wine production.

17. Irrigation of the vineyards shall be suspended at least thirty (30) days prior to harvesting, in order to allow the soils to dry before harvesting and to prevent harvest workers from directly contacting reclaimed water.

C. Provisions

1. The Dischargers shall comply with all sections of this Order immediately upon adoption.

2. The Dischargers shall comply with the Self-Monitoring Program as adopted by the Board and as may be amended by the Executive Officer.

3. The waste discharge requirements prescribed by this Order supersede those prescribed by the Board's Order No. 89-054 issued to Markham, Freemark Abby and The Wine Country Inn, and Order No. 82-013 which was issued to the Mont LeSalle Vineyards owned and operateed Christrian Brothers Greystone Cellars. Board Orders No. 89-054 and 82-013 are hereby rescinded.

4. The Dischargers shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed, or as modified, to achieve compliance with this Order.

5. All equipment, including pumps, piping, valves, storage ponds etc. which may at any time contain reclaimed water shall be adequately and clearly identified with warning signs and the Dischargers shall make all necessary provisions, in addition, to inform the public that the liquid contained is reclaimed water and is unfit for human consumption.

6. In reviewing compliance with Prohibition A.4. and Discharge Specification B.6. 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.

7. In the event the Dischargers are unable to comply with any of the conditions of this Order due to:

    a. Breakdown of wastewater transport or treatment equipment;
    b. Accidents caused by human error or negligence; or
    c. Other causes such as acts of nature, the Dischargers shall notify the Board by telephone as soon as the Dischargers or the Dischargers' agent(s) have knowledge of the incident. Written confirmation of this notification shall be submitted 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.

8. The Dischargers shall permit the Board or its authorized representatives, in accordance with Section 13267(c) of the California Water Code:

    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 of, at reasonable times, any records that must be kept under the conditions of this Order;

    c. Inspection, at reasonable times, of any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; or

    d. To photograph, sample or monitor, at reasonable times, for the purpose of assuring compliance with this Order.

9. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Dischargers, the Dischargers 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.

10. The Dischargers shall file with the Board a Report of Waste Discharge at least 180 days before making any material change in the character, location, or volume of the reuse, except for emergency conditions in which case the Board shall be notified.

11. The Board will review this Order periodically and may revise the requirements when necessary.

12. After notice, 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. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized reuse; or

    d. Endangerment to public health or environment that can only be regulated to acceptable levels by Order modification or termination.

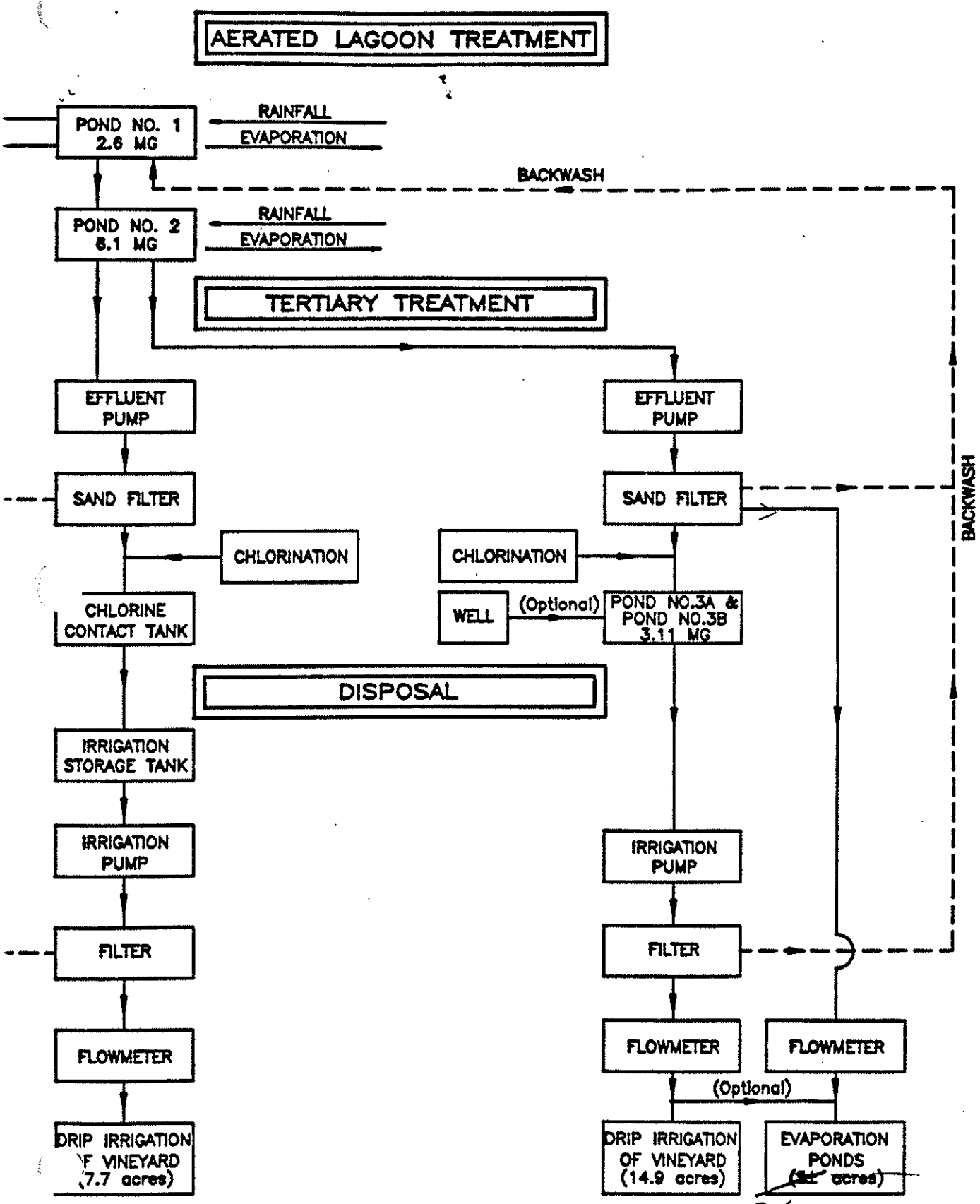
I, Loretta K. Barsamian, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on July 15, 1998.

Loretta K. Barsamian

LORETTA K. BARSAMIAN
Executive Officer

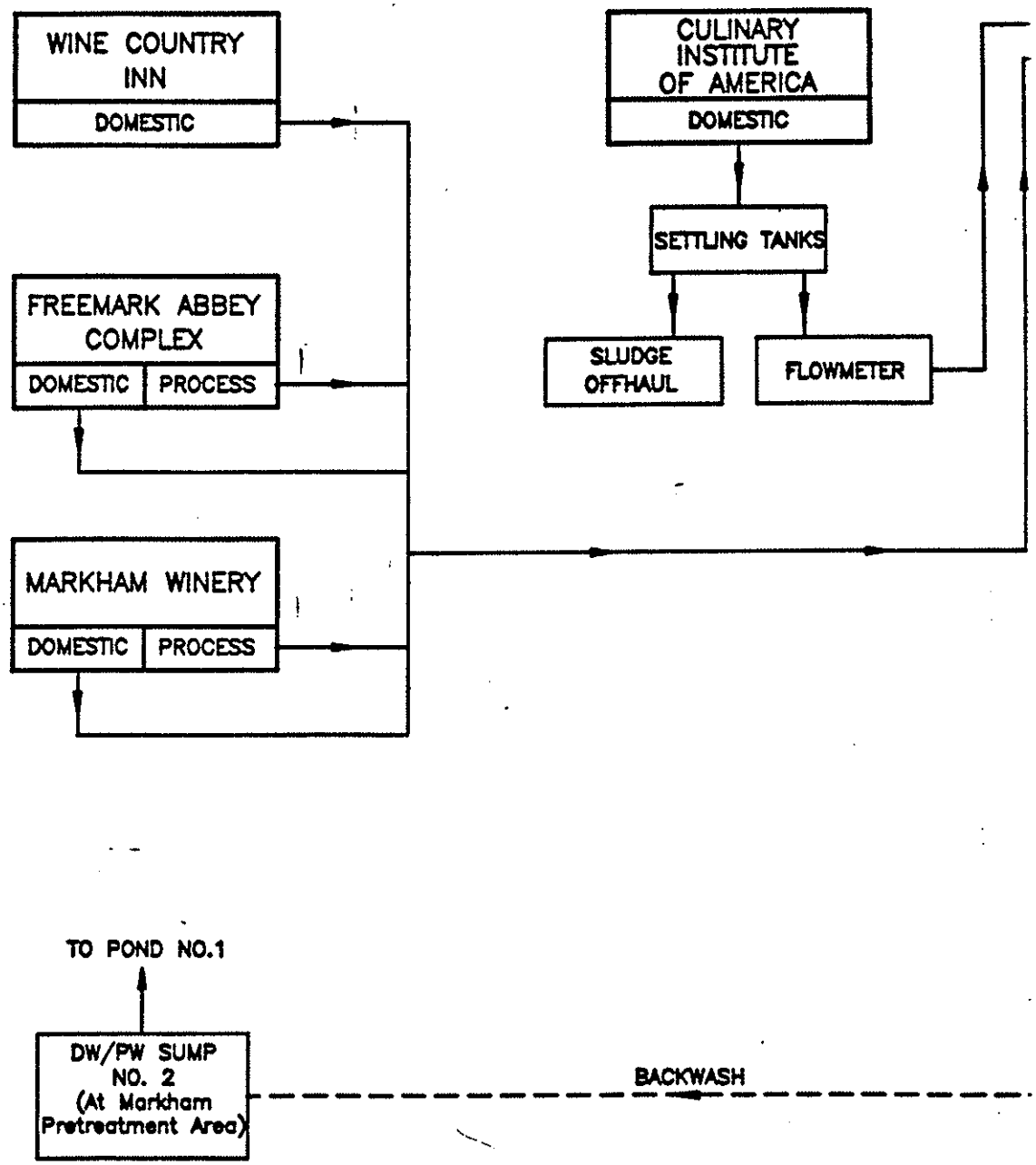
Attachments:
Service Map
Self-Monitoring Program

[Merged case: No 2139.3088 and 2139.3034B]



ATTACHMENT 1.

SUMMIT ENGINEERING, INC. Consulting Civil Engineers	CULINARY INSTITUTE OF AMERICA WASTEWATER SYSTEM SCHEMATIC	PROJECT NO. 93023.1 DATE 5-4-93 BY EF CHK CC SHEET NO. ___ OF ___



WASTEWATER SYSTEM SCHEMATIC

Attachment I.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

CULINARY INSTITUTE OF
AMERICA - GREYSTONE CELLERS

WINE COUNTRY INN

FREEMARK ABBEY WINERY

AND

MARKHAM WINERY

IN NAPA COUNTY

ORDER NO. 98-064

CONSISTS OF

PART A

[Standard Provisions]

and

PART B

[Site Specific Provisions]

PART A.

I. GENERAL

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.

The principle 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 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 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.

Water and waste 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 supervize 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. A grab sample is defined as an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples represent only the condition that exists at the time the sample is collected.

B. A flow sample is defined as the accurate measurement of the flow volume over a given period of time using a properly calibrated and maintained flow measuring device. Flows calculated from properly maintained pump useage records for an accurately calibrated pump are acceptable.

A. Standard Observations

1. Pond Area

a. For each pond, determine height of the freeboard at the lowest point of the pond perimeter levees.

b.Evidence of seepage from the ponds (Show affected area on a sketch, and estimate volume or flow rate).

c. Odor from ponds: If present, indicate apparent source, characterization, direction of travel, and any public use areas or offsite facilities affected by the odors.

d. Estimated number of waterfowl and other water-associated birds in the pond area.

e. Warning signs properly posted to inform public that pond contains wastewater which is not safe for drinking or contact.

2. Vineyard Drip Irrigation Site

a. Evidence of runoff of reclaimed water from the site (Show affected area on a sketch, and estimate volume).

b. Odor from Irrigation site: If present, indicate apparent source, characterization, direction of travel, and any public use areas or offsite facilities affected by the odors[1].

c. Evidence of ponding of reclaimed water, and/or evidence of mosquitoes breeding within the irrigation area due to ponded water.

d. Warning signs properly posted to inform public that irrigation water is reclaimed water which is not safe for drinking or contact.

e. Evidence of leaks or breaks in the drip irrigation system pipelines or tubing.

f. Evidence of plugged, broken or otherwise faulty drip irrigation system emitters.

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[1] * Note: Odors are not considered violations when confined within the dischargers' property, and the potential for transmission of odors to public use areas or offsite facilities is minimal.

PART B.

I. DESCRIPTION OF SAMPLING AND OBSERVATION STATIONS

A. POND INFLUENT

Station	Description
A-1	At a point in the Wine Country Inn wastewater collection system at which all waste tributary to the ponds from this facility is present.
A-2	At a point in the Freemark Abbey Winery waste-water collection system at which all waste tributary to the ponds from this facility is present.
A-3	At a point in the Markham Winery wastewater collection system at which all waste tributary to the ponds from this facility is present.
A-4	A point in the Culinary Institute-Greystone Cellars wastewater collection system at which all waste tributary to the ponds from this facility is present.

B. POND EFFLUENT

Station	Description
E-1	At a point in the pond effluent prior to being applied to irrigation site (May be same as E-1-D).
E-1-D	At a point in the effluent from the disinfection facilities at which adequate contact with the disinfectant is assured.

C. POND WATERS

Station	Description
1P-1	At points in Pond 1 (first aeration)
2P-1	At points in Pond 2 (second aeration)
3P-1	At points in Pond 3 (Storage)

D. OBSERVATION STATIONS

Station	Description
1L-1	Pond Levees - at the midpoints of the perimeter through levee around the ponds.
I-1	Drip Irrigation Site - at the midpoints of the through irrigation site perimeter, and at two points in I-6 the middle of the irrigation area.

II. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSIS

A. The Dischargers are required to perform observations, sampling, measurements and analyses according to the schedule given in Table 1, below.

B. The Dischargers shall conduct a complete inspection of all drip irrigation lines and emitters at least once each year, during the vineyard's dormant season. A report of the findings of this inspection, including a description of any repairs or modifications made to the drip irrigation system, shall be submitted to the Board by April 15th.

III. REPORTS TO BE FILED WITH THE REGIONAL BOARD

A. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter (ending March, June, September and December). Reports shall be submitted to this Regional Board's office no later than the fifteenth day of the month following the end of each quarter. The reports shall consist of the following:

1. Letter of Transmittal

A letter transmitting the self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

The transmittal letter shall contain a statement by the Discharger, or the Discharger's 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

a. Tabulations of the results from all required analyses specified in Table 1 by date, time, type of sample, and sample station.

b. Completed Pond Observation and Reclaimed Water Use Report forms (Attached) or reports with equivalent information.

B. 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 wastewater transport or treatment equipment;

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 the Discharger or the Discharger's agents have knowledge of the incident. Written confirmation of this notification shall be submitted 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.

I, Loretta K. Barsamian, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in the Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No.98-064.

2. Is effective on the date shown below.

3. May be revised at any time after the effective date by the Executive Officer.

Loretta K. Barsamian

LORETTA K. BARSAMIAN
Executive Officer

Effective Date July 15, 1998

Attachments

1. Pond Observation Report Form
2. Reclaimed Water Use Report Form

[File No. 2139.3088]
[TRG/trg C:/1main/napa/ciawdr/ciasmp]

Table 1.
Schedule for Sampling, Measurements and Analyses

Sampling Stations / Parameter	All A Stations	Pond Effluent E-1	Post-Disinfection PD-1	P-1 and P-2	All L	All I
Type of Sample	flow rate	grab	grab	grab	observations	observations
Total flow	monthly	monthly				
pH (units)				monthly		
Dissolved Oxygen (mg/l)				monthly		
Biological Oxygen Demand (BOD)		monthly				
Dissolved Sulfides		monthly when D.O. is below 2mg/l		monthly when D.O. is below 2mg/l		
Total Coliform (MPN/100ml)			three per week on non-consequitive days			
Standard Observations					Every Two Weeks	Every Two Weeks during irrigation operations

PARAMETERS

POND OBSERVATION REPORT

(WINE COUNTRY INN, FREEMARK ABBEY WINERY, AND MARKHAM WINERY)
AND THE CULINARY INSTITUTE

1. Reporting Period (Month/Year): _____

2. Monthly Flow to Ponds, from indicated facility (gallons):
   CIA
   a. Wine Country Inn (A-1) _____
   b. Freemark Abbey Winery (A-2) _____
   c. Markham Winery (A-3) _____
   d. Total _____

3. Required observations:
   (Provide required information, and indicate 'yes' or 'no' where applicable, according to observed conditions.)

Inspection Date and Time:								
Freeboard (feet): a) Pond 1 (Aeration Pond) b) Pond 2 (Larger Pond)								
Observation Stations:	L-1	L-2	L-3	L-4	L-1	L-2	L-3	L-4
Evidence of seepage from pond								
Nuisance Odors from Pond								
Estimated number of water-fowl in pond area								
Warning Signs Improperly Posted								
Public Contact with Pond Water								

If any of the above yes/no observations were yes, indicating a violation of waste discharge requirements, a written report containing the following information shall be submitted:

a. Time when violation was observed.
b. Show location of violation on a sketch of the site.
c. Explain cause and extent of violation.
d. Describe corrective action taken and the dates compliance was achieved and irrigation was resumed.

4. I certify that the information in this report, to the best of my knowledge, is true and correct.

_____ Signature of User Supervisor

_____ Date