

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 89 - 074

WATER RECLAMATION REQUIREMENTS FOR:

TOWN OF YOUNTVILLE; DEPARTMENT OF VETERANS AFFAIRS, VETERANS HOME OF CALIFORNIA; CHIMNEY ROCK GOLF COURSE, INC; AND CHIMNEY ROCK WINERY CORPORATION, IN NAPA COUNTY

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

1. The Town of Yountville and the Department of Veterans Affairs, Veterans Home of California (Veterans Home) own a Joint Wastewater Treatment Plant which provides advanced secondary treatment of wastewater from the Town of Yountville and the Veterans Home. The plant has a designed dry weather capacity of 0.55 million gallons per day (MGD), and presently discharges an average dry weather flow of 0.35 MGD. The Town of Yountville is responsible for the operation and maintenance of the joint wastewater treatment facility.
2. Discharge of treated wastewater to the Napa River is allowed only during the wet weather period of October 1 through May 15, and is governed by a separate set of Waste Discharge Requirements prescribed by the Board under the National Pollutant Discharge Elimination System (NPDES Permit No. CA0038121). During the dry weather period of the year, treated wastewater is discharged to land through a water reclamation project, which is presently governed by Water Reclamation Requirements adopted by the Board on April 20, 1988 in Order No. 88-057.
3. The Town of Yountville, on behalf of itself, the Veterans Home, and the Chimney Rock Golf Course, Inc., filed a Report of Waste Discharge on February 10, 1988 for updating of the Water Reclamation Requirements. The Board subsequently issued updated Water Reclamation Requirements in Order No. 88-057.
4. The Town of Yountville and Veterans Home currently use treated and disinfected wastewater from the joint treatment plant for the spray irrigation of the following properties during the dry weather season:

<u>USER</u>	<u>PURPOSE</u>	<u>ACREAGE</u>
A. Chimney Rock Golf Course, Inc.	Irrigation of a 9-hole golf course	52 acres
B. Department of Veterans Affairs, Veterans Home of California	Irrigation of hay fields	70 acres

5. The Chimney Rock Winery Corporation filed a Report of Waste Discharge and supplemental technical information on December 8, 1988 for the modification and use of the existing water reclamation facilities at the Chimney Rock Golf Course for the treatment and disposal of winery process wastewater.
6. Treated, disinfected effluent from the Yountville/ Veterans Home joint treatment plant which is used at the Chimney Rock Golf Course is first pumped to a 1.7 million gallon pond (Effluent Pond) located on the Chimney Rock property for temporary storage prior to use for irrigation.
7. The Chimney Rock Winery has proposed to use a portion of the 1.7 million gallon Effluent Pond for the treatment of winery process wastewater. A redwood baffle wall will be installed in the pond to create a 300,000 gallon aeration zone at the southerly end of the pond. Winery wastewater will be discharged to this aeration zone for biological treatment. Openings in the baffle wall will allow mixing of the winery wastewater with the treated effluent from the Yountville treatment plant which is stored in the main portion of the pond.
8. The mixed, treated winery wastewater and Yountville effluent will be disposed to land by irrigation of the Chimney Rock Golf Course through the existing spray irrigation system. Domestic wastewater from the winery will be treated and disposed through a septic tank and subsurface leachfield system which is regulated by the Napa County Environmental Health Department.
9. The Chimney Rock Winery is planned for an initial production of about 60,000 gallons of wine per year, and a future, ultimate production capacity of about 120,000 gallons of wine per year. The generation rate of winery process wastewater is projected to be about 670,000 gallons per year at initial production, and about 1.05 million gallons per year at ultimate production capacity.
10. During the wet weather period when golf course irrigation is minimal, winery wastewater will be stored in the Effluent Pond. The levee around the pond will be raised to provide a minimum two feet of freeboard, at the design storage volume of 1.7 million gallons. A water balance analysis indicates that the improved pond will have adequate capacity for storage of all winery wastewater inflows and direct precipitation during the wet weather period of November through March. This analysis is based on a storage capacity of 1.7 million gallons (at water depth of seven feet, and two feet of freeboard), initial pond volume of 0.7 million gallons at the start of November, the projected wastewater generation rate of 670,000 gallons per year, and a ten-year recurrence interval rainfall record.

11. Additional storage capacity is available in a separate 2.6 million gallon pond (Storage Pond 1), which is also located on the Chimney Rock property. The use of Storage Pond 1 for wet weather storage of winery wastewater will be necessary when the winery production increases above the initial planned production rate. Permanent facilities to use Storage Pond 1 in conjunction with the Effluent Pond for wet weather storage of the winery wastewater will be constructed when the winery production facilities are expanded.
12. A third large pond, known as Drainage Pond 2, is located on the Chimney Rock Golf course property to the north of the Effluent Pond. This pond is used for storage of surface runoff water during the wet weather season, which is subsequently used for irrigation and fire-fighting water. Drainage Pond 2 is not planned to be used for winery wastewater or reclaimed water.
13. Attachment A is a map showing the location of the wastewater treatment plant and the water reclamation sites. Attachment B is a map showing the location of the Chimney Rock wastewater ponds and golf course irrigation areas. Both attachments are hereby made a part of this Order.
14. The Town of Yountville and the Veterans Home are hereinafter collectively called the Producer of the reclaimed water. The Veterans Home, Chimney Rock Golf Course, Inc. and Chimney Rock Winery Corporation are hereinafter collectively called the User. Both the Producer and the User are hereinafter collectively called the Discharger.
15. The Town of Yountville, as the purveyor of the treated wastewater to the user areas, will operate and maintain the major transmission facilities. The Chimney Rock Winery Corporation will be responsible for the operation and maintenance of the winery wastewater collection and treatment facilities, and ponds used for treatment or storage of winery wastewater. The Chimney Rock Golf Course, Inc. will be responsible for the operation and maintenance of its reclaimed water disposal (irrigation) facilities, and ponds used for storage of surface runoff water.
16. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on December 17, 1986. The goals set forth in the Basin Plan to be used in regulating water quality factors include maximum feasible reclamation or reuse of municipal, industrial and agricultural wastewaters. The Basin Plan also includes a listing of beneficial uses for surface and groundwaters in the region.
17. The beneficial uses identified in the Basin Plan for the Napa River downstream from the vicinity of this project include:
  - a. Municipal and Domestic Water Supply
  - b. Agricultural Water Supply

- d. Fish Spawning and Migration
  - e. Contact and Non-Contact Water Recreation
  - f. Warm Fresh Water Habitat
  - g. Cold Fresh Water Habitat
  - h. Wildlife Habitat
  - i. Preservation of Rare and Endangered Species.
18. The beneficial uses identified in the Basin Plan for groundwaters in the region include:
- a. Municipal Supply
  - b. Industrial Process water supply
  - c. Industrial Service Supply
  - d. Agricultural Supply.
19. Section 13523 of the California Water Code provides that a Regional Water Quality Control Board, after consultation with and reception of recommendations from the State Department of Health Services, and if it determines such action to be necessary to protect the public health, safety or welfare, shall prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water.
20. These water reclamation requirements are in conformance with the statewide reclamation criteria established by the State Department of Health Services as prescribed in Title 22, Section 60301 through Section 60355, California Administrative Code.
21. The Discharger prepared an Environmental Impact Report (EIR) dated January 1974, and an ammendment to the report dated May 1976 for the water reclamation project, in accordance with the California Environmental Quality Act (Public Resources Code Section 21000 et seq). The EIR found this project to have no significant adverse impacts on the environment with the implementation of proper mitigation measures.
22. The Napa County Conservation, Development and Planning Commission approved a Negative Declaration for the proposed Chimney Rock Winery wastewater project on April 4, 1988 in accordance with the California Environmental Quality Act (Public Resources Code Section 21000, et seq.). The Negative Declaration finds that the proposed project will not have a significant effect on the environment.

The proposed project has been modified from the original proposal for treatment and disposal of the winery wastewater by a subsurface leachfield system. The modified proposal consists of treatment by an aerated pond system and disposal by golf course irrigation, as described in Findings 7 through 11, above. The Napa County Environmental Health Department has determined that the Negative Declaration adopted for the original project is applicable to the modified project and sufficient to meet the requirements of the California Environmental Quality Act.

23. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe water reclamation requirements for the existing and proposed discharges.
24. The Board, in a public meeting, heard and considered all comments pertaining to this discharge.

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

A. Prohibitions

1. The volume of winery wastewater discharged into the Effluent Pond shall not exceed 670,000 gallons per year, unless written authorization has been obtained from this Board's Executive Officer, and all facilities necessary to provide adequate wet weather storage capacity have been completed.
2. The treatment, storage, distribution, or reuse of reclaimed water shall not create a nuisance or pollution as defined in the California Water Code.
3. There shall be no bypass or overflow of untreated or partially treated wastewater to waters of the State from the Discharger's collection, treatment, storage or disposal facilities.
4. The discharge of wastewater or use of reclaimed water shall not cause the degradation of groundwater used for domestic purposes or cause any change in a quality parameter which would make the groundwater unsuitable for irrigation use.
5. Discharge of toxic substances into ponds used for treatment or storage of wastewater which will disturb the normal biological mechanisms of the ponds is prohibited.
6. Reclaimed water shall not be applied to irrigation sites when soils are saturated, when conditions are such that runoff or excessive ponding is likely to occur, during rainfall, or when rainfall is expected to occur within 24 hours.
7. Reclaimed water shall not be allowed to escape from the designated use areas via surface flow or airborne spray.
8. Reclaimed wastewater shall not be sprayed directly on any facility or area not designated for reclamation such as surface streams, flood control channels, passing vehicles, buildings, domestic water facilities or food handling facilities. Drinking water facilities shall be protected from direct or windblown reclaimed water spray.

9. Reclaimed water shall not be used as a domestic or animal water supply. There shall be no cross-connection between any 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. An air-gap separation device or reduced pressure principle device shall be provided at all domestic water service connections to reclaimed water use areas.

## B. Reclaimed Water Use Specifications

### Producer

1. The Producer shall assure that the reclaimed water is at all times an adequately oxidized, disinfected wastewater that meets the following quality limits, prior to being applied to the Veterans Home hay fields or discharged to the Effluent Pond on the Chimney Rock property:

In any grab sample:

- |  |                    |
|--|--------------------|
| a. 5-day, 20°C Biochemical<br>Oxidation Demand (BOD) | 40.0 mg/l, maximum |
| b. Dissolved Oxygen                                  | 1.0 mg/l, minimum  |
| c. Dissolved Sulfides                                | 0.1 mg/l, maximum  |

At any 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 bacteriological 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.
2. The Producer shall discontinue the pumping of reclaimed water to the Veterans Home hay fields or to the Chimney Rock Effluent Pond during any period when there is reason to believe that the limits specified in B.1. above are not being met. The pumping of reclaimed water shall not be resumed until all conditions which caused the limits specified in B.1. to be violated have been corrected.

### Chimney Rock Winery

3. The Chimney Rock Winery shall assure that the reclaimed wastewater disposed to the Chimney Rock Golf Course is at all times an adequately oxidized wastewater that meets the following quality limits at all times, in any grab sample:
    - a. 5-day, 20°C Biochemical  
Oxidation Demand (BOD)
- |  |                    |
|--|--------------------|
|  | 40.0 mg/l, maximum |
|--|--------------------|

- b. Dissolved Oxygen 1.0 mg/l, minimum
- c. Dissolved Sulfides 0.1 mg/l, maximum.

4. The Chimney Rock Winery shall discontinue the pumping of reclaimed water for irrigation of the Chimney Rock Golf Course during any period when there is reason to believe that the limits specified in B.3. above are not being met. The pumping of reclaimed water shall not be resumed until all conditions which caused the limits specified in B.3. to be violated have been corrected.
5. Water at the surface of any pond containing winery wastewater or reclaimed water shall meet the following quality limits at all times:

In any grab sample:

- a. Dissolved Oxygen 1.0 mg/l, minimum
- b. Dissolved Sulfide 0.1 mg/l, maximum
- c. pH 6.0, minimum; 9.0, maximum.

#### User

6. There shall be at least a 10-foot horizontal and 1-foot vertical separation between all pipelines transporting reclaimed water and those transporting domestic water, with the domestic water pipeline above the reclaimed water pipeline.
7. The User shall manage its spray irrigation so as to prevent ponding or other conditions which could provide a breeding area for mosquitoes or other vectors of health significance, and to prevent the creation of odors, slimes, or unsightly deposits.
8. Unless special circumstance warrant otherwise, irrigation of the golf course should occur only during nights, early morning hours or daytimes when the golf course is closed, when the wind velocity is minimal and golfers or other members of the general public are not present. The grounds should have maximum opportunity to dry before used by golfers. Daytime syringing of the greens with reclaimed water is permitted if it is attended by golf course personnel and precautionary measures are taken to protect public health.
9. The User shall provide adequate means of notification to inform the public that reclaimed water is being used for irrigation. Conspicuous warning signs of sufficient size and proper wording to be clearly read shall be posted at adequate intervals around the irrigation sites. At the golf course, additional notices shall be printed on the score cards stating that reclaimed water is used for irrigation.

10. There shall be no irrigation or impoundment of reclaimed water within 500 feet of any well used for domestic supply or 100 feet of any well used for irrigation unless it can be demonstrated that special circumstances justify lesser distances to be acceptable.
11. Use of reclaimed water shall be limited to the areas specified in Finding 4 of this Order, unless written authorization is obtained from the Executive Officer.

C. Provisions

Chimney Rock Winery & Chimney Rock Golf Course

1. In order to prevent the threat of overflows, a minimum freeboard of two (2) feet shall be maintained at all times in any pond containing winery wastewater or reclaimed wastewater.
2. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.
3. The bottom of the Effluent Pond shall be lined with suitable clay soils, or compacted so that percolation of water into subsurface soils has a rate of not more than  $10^{-6}$  cm/sec.
4. The perimeter levee of the Effluent Pond shall be raised to provide a minimum two feet of freeboard above the water surface elevation at the design storage capacity of 1.7 million gallons. The flood-control overflow riser pipe shall be modified so that the top of the riser pipe is no more than six inches below the elevation of the top of the pond levee.
5. The Chimney Rock Winery shall notify the Board of any planned expansion of the winery production capacity beyond the planned initial production capacity of 60,000 gallons of wine per year. A report describing improvements to the winery wastewater facilities necessary to accommodate increased wastewater flows shall also be submitted.

General

6. In reviewing compliance with Prohibition A.3. and Provision C.1. 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. The Discharger shall comply with all sections of this Order immediately upon adoption.

8. The Discharger shall comply with the Self-Monitoring Program as adopted by the Board and as may be amended by the Executive Officer.
9. The Discharger 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.
10. 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 Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained is reclaimed wastewater and is unfit for human consumption.
11. A 'User Supervisor' should be appointed by the User at each reclaimed water use area. The User Supervisor should be responsible for repairing, maintaining, and operating the reclamation system according to the conditions specified in this Order, in order to prevent potential public health hazards.
12. Inspection, supervision, and employee training should be provided by the User to assure proper operation of the reclamation facilities and to provide proper worker protection. Records of inspections and trainings should be maintained by the User.
13. A contingency plan shall be developed outlining the actions to be taken in the event that effluent quality fails to meet required standards. The plan must be reviewed and, if necessary, updated each year prior to the beginning of the irrigation season.
14. In the event the Discharger is 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 Discharger shall notify the Board 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

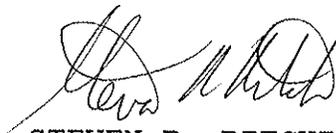
shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

15. The Discharger 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.
16. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharge 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.
17. The Discharger 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.
18. This Order is subject to Board review and updating, as necessary to comply with changing State and Federal laws, regulations, policies, or guidelines; changes in this Regional Board's Basin Plan; or changes in the discharge characteristics. This Order will be reviewed to determine the need for updating no more than five years from the effective date of this Order.
19. 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 of 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 change in the authorized reuse;

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

20. The Water Reclamation Requirements prescribed by this Order supercede the requirements previously prescribed by the Board's Order No. 88-057. Order No. 88-057 is no longer applicable and is hereby rescinded.

I, Steven R. Ritchie, 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 May 17, 1989.

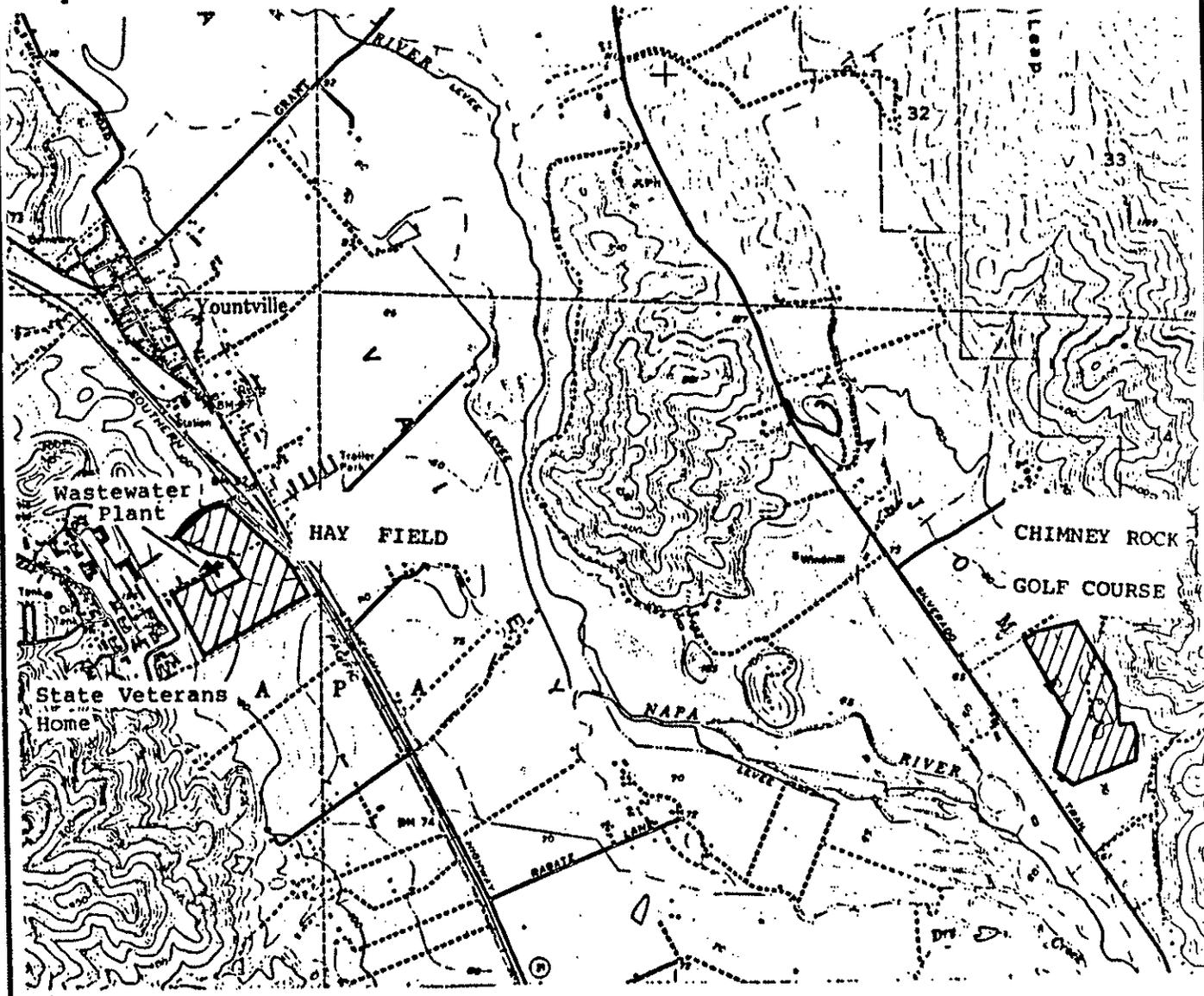


STEVEN R. RITCHIE  
Executive Officer

Attachments:

Location Maps  
Self-Monitoring Program

[File No. 2139.3019]  
[Originator/BDA]  
[Reviewer/RJC]

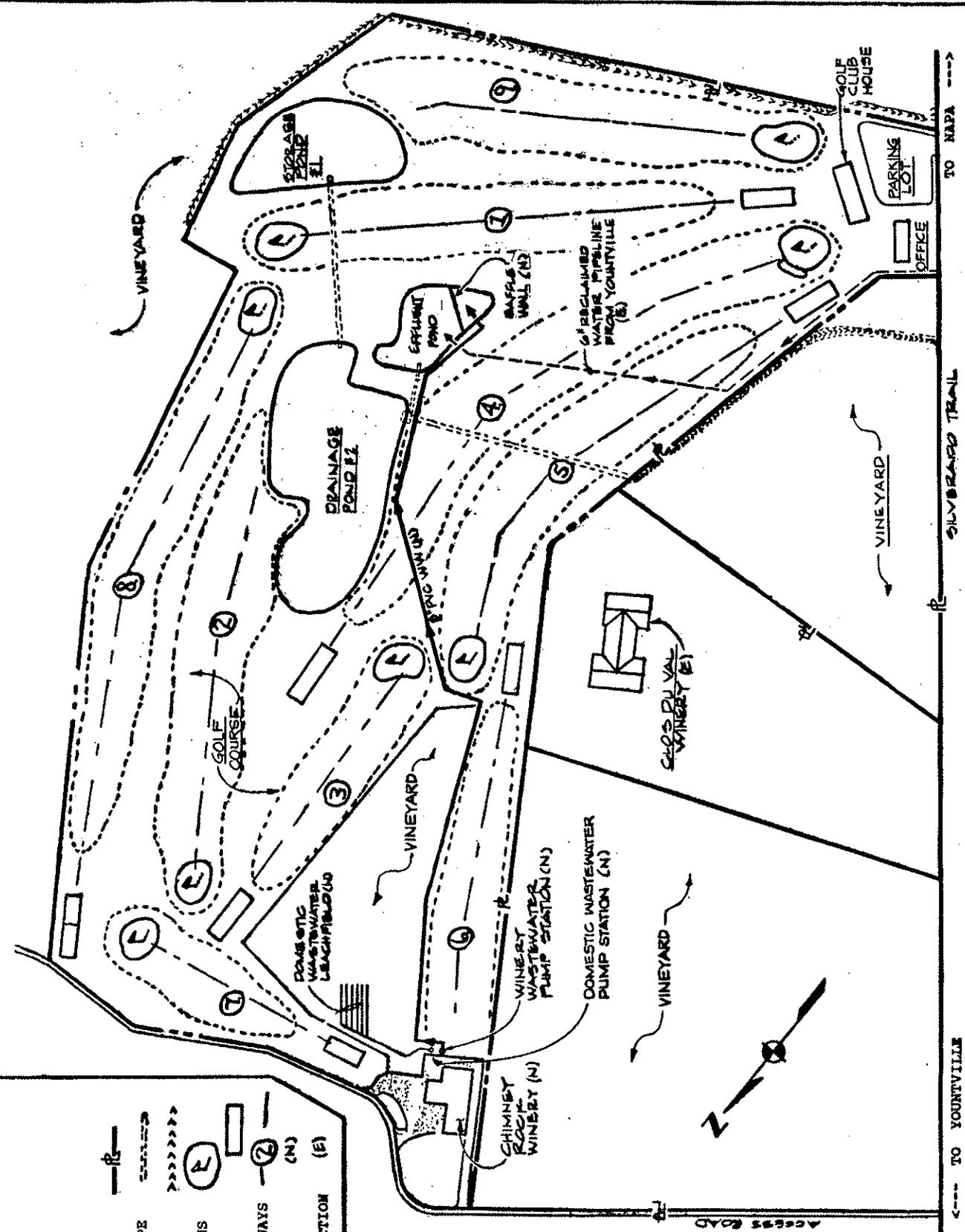


Legend:  Reclamation Site

<b>STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION</b>		
ATTACHMENT A: Location Map, Town of Yountville/California Veterans Home Joint Plant, Water Reclamation Sites, Yountville, Napa County		
DRAWN BY:	DATE:	DRWG. NO.

**LEGEND**

- PROPERTY LINE
- POND OVERFLOW PIPE
- DRAINAGE CHANNEL
- GOLF COURSE GREENS
- GOLF COURSE TREES
- GOLF COURSE FAIRWAYS
- NEW CONSTRUCTION (N)
- EXISTING CONSTRUCTION (E)



STATE OF CALIFORNIA  
 REGIONAL WATER QUALITY CONTROL BOARD  
 SAN FRANCISCO BAY REGION

ATTACHMENT B : LOCATION MAP

CHIMNEY ROCK GOLF COURSE AND  
 CHIMNEY ROCK WINERY -  
 PONDS & WASTEWATER FACILITIES

DATE: May, 1989 BDA ORDER NO. 89 - 074

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

TOWN OF YOUNTVILLE;

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DEPARTMENT OF VETERANS AFFAIRS,

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VETERANS HOME OF CALIFORNIA;

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CHIMNEY ROCK GOLF COURSE, INC.; and

---

CHIMNEY ROCK WINERY CORPORATION

---

in NAPA COUNTY

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ORDER NO. 89 - 074

CONSISTS OF

PART A

## SELF-MONITORING PROGRAM - PART A

TOWN OF YOUNTVILLE; CALIFORNIA VETERANS HOME;  
CHIMNEY ROCK GOLF COURSE AND CHIMNEY ROCK WINERY

### 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 or reclaimed water user, 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 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 (DOHS), or a laboratory waived by the Executive Officer from obtaining a DOHS certification for these analyses.

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

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

### III. DEFINITION OF TERMS

1. A grab sample is defined as an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples are 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 sample is collected.

2. A flow sample is defined as the accurate measurement of the average flow volume over a given period of time, using a properly calibrated and maintained flow measuring device. Flows calculated from properly maintained pump useage records for an accurately calibrated pump are acceptable measurements.
3. A composite sample is defined as a sample composed of individual grab samples mixed in proportions varying by not more than plus or minus five percent from the instantaneous rate (or highest concentration) of waste flow corresponding to each grab sample collected at regular intervals not greater than one hour, or collected by the use of continuous automatic sampling devices capable of attaining the proportional accuracy stipulated above throughout the period of discharge, as specified in Table I.
4. Standard Observations
  - A. Spray Irrigation Site
    - (1) Evidence of reclaimed water escaping the irrigation site through surface runoff or airborne spray (Show affected area on a sketch).
    - (2) Odor from irrigation site: If present, indicate apparent source, charcterization, direction of travel, and any public use area or off-site facility affected.
    - (3) Evidence of prolonged ponding of reclaimed water, or of mosquitoes breeding within the irrigated area due to ponded water.
    - (4) Warning signs properly posted to inform public that water being used is reclaimed water which is not safe for drinking or contact.
    - (5) Evidence of reclaimed water sprayed on vehicles, buildings, domestic water facilities, food handling facilities, or surface waterways.
  - B. Pond Area (Chimney Rock Winery)
    - (1) For each pond, determine height of the freeboard at the lowest point of the pond perimeter levee.
    - (2) Evidence of seepage from the pond (Show affected area on a sketch, and estimate volume or flow rate).
    - (3) Odor from pond: If present, indicate apparent source, charcterization, direction of travel, and any public use area or off-site facility affected.

- (4) Estimated number of waterfowl and other water-associated birds in the pond area and vicinity.
- (5) Warning signs properly posted to inform public that pond contains wastewater which is not safe for drinking or contact.

C. Overflows and Bypasses

- (1) Location of overflow or bypass, and description of any surface water or land area affected (show on map or sketch of area).
- (2) Date and time when overflow or bypass started, and when overflow or bypass ceased.
- (3) Estimated total volume discharged, or flow rate and duration of event.
- (4) Explain cause and corrective actions taken.

IV. DESCRIPTION OF SAMPLING STATIONS

1. YOUNTVILLE/VETERANS HOME WASTEWATER TREATMENT PLANT (PRODUCER)

<u>Station</u>	<u>Description</u>
A. <u>INFLUENT</u>	
A-001	Located at any point in the wastewater treatment facilities headworks at which all waste tributary to the system is present and preceding any phase of treatment.
B. <u>EFFLUENT</u>	
E-001	Located at any point in the effluent from the treatment facilities where all waste tributary to the effluent is present, prior to being discharged to the Veterans Home hay fields or to the Chimney Rock Winery Effluent Pond (May be the same as E-001-D).
E-001-D	Located at any point in the effluent from the disinfection facilities at which point adequate contact with the disinfectant is assured.

2. CHIMNEY ROCK WINERY

<u>Station</u>	<u>Description</u>
A. <u>POND INFLUENT</u>	
P-IN	Located at a point in the winery wastewater facilities at which point all waste tributary to the treatment pond is present, <u>prior</u> to discharge into the treatment section of the Effluent Pond.
B. <u>POND WATER</u>	
P-1	Located in the main section of the Effluent Pond, at a point about one foot below the water surface, representative of the pond water.

3. LAND OBSERVATIONS (USERS)

<u>Station</u>	<u>Description</u>
A. <u>SPRAY IRRIGATION SITES</u>	
I-1 through I-'n'	Points located at about 1000 foot intervals around the periphery of the spray irrigation site.
B. <u>POND LEVEE (CHIMNEY ROCK WINERY)</u>	
L-1 through L-4	Points located at about 200 foot intervals along the perimeter levee around the pond, with one point adjacent to the winery wastewater treatment section (Aeration Zone) of the pond.

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

4. OVERFLOWS AND BYPASSES (PRODUCER AND USERS)

<u>Station</u>	<u>Description</u>
OV-1 through OV-'n'	Located at any point where overflow or bypass of wastewater occurs from collection system, treatment facilities, manholes, pump stations, distribution pipes, or ponds.

V. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSIS

1. The Producer and/or Users of the reclaimed water are required to perform observations, sampling, measurements and analyses according to the schedule given in Table I (Attachment A).
2. This Self-Monitoring Program is applicable during any period when reclaimed water is distributed to the Effluent Pond on the Chimney Rock property, or used for spray irrigation of either the Veterans Home hay field or the Chimney Rock Golf Course.
3. This Self-Monitoring Program is applicable to the Chimney Rock Winery during the entire year.

VI. REPORTS TO BE FILED WITH THE REGIONAL BOARD

1. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar month. Reports shall be submitted to this Regional Board's office no later than the fifteenth day of the following month. The Chimney Rock Winery shall be responsible for submittal of monthly reports regarding its winery wastewater facilities, regardless of whether or not reclaimed water is being distributed or used. The reports shall include the following:

A. 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.

B. Results of Analyses and Observations

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

## 2. 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, Steven R. Ritchie, 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. 89-074.
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.

  
STEVEN R. RITCHIE  
Executive Officer

Effective Date 5/17/89

### Attachments:

- A. Table I - Schedule for Sampling, Measurements and Analyses
- B. Reclaimed Water Use Report form
- C. Pond Observation Report form

## ATTACHMENT A

TABLE I  
SCHEDULE FOR SAMPLING, MEASUREMENTS AND ANALYSES

(TOWN OF YOUNTVILLE; CALIFORNIA VETERANS HOME;  
CHIMNEY ROCK GOLF COURSE AND CHIMNEY ROCK WINERY)

SAMPLING STATIONS	A-001	E-001	E-001	All I	P-IN (1)	P-1 (1)	All L (1)	All OV
Type of Sample --> Parameter (units)	C-24	C-24	G	G	O	Flow	G	O
Flow Rate (MGD)	Cont	Cont						est
Monthly Flow (gals)						M		
5-day BOD (mg/l)	W	W				M		
Total Suspended Solids (mg/l)	W	W						
pH (units)			W			M		
Settleable Matter (ml/l-hr)			W			M		
Dissolved Oxygen (mg/l)			W			M		
Dissolved Sulfides (mg/l) (2)			W			M		
Total Coliform (MPN/100ml)				3/W				
Applicable Standard Observations (3)					2W		M	E

LEGEND FOR TABLE I

Type of Sample

C-24 = 24-hour composite  
G = Grab Sample  
O = Observations  
Flow = Flow measurement

Sampling Frequency

Cont = Continuous  
M = Monthly  
W = Weekly  
3/W = Three days per week  
2W = Every two weeks  
E = Each event

NOTES:

- (1) Chimney Rock Winery shall perform the indicated analyses and observations each month of the year, and file the Pond Observation Report (Attachment C) as part of its monthly Self-Monitoring Report.
- (2) Analysis only required when Dissolved Oxygen is below 2.0 mg/l.
- (3) The Users shall perform the required observations and file the Reclaimed Water Use Reports (Attachment B), as part of the monthly Self-Monitoring Reports. Observations must be made while irrigation with reclaimed water is in progress.

ATTACHMENT B

RECLAIMED WATER USE REPORT

(CALIFORNIA VETERANS HOME; CHIMNEY ROCK GOLF COURSE)

1. Reporting Period (Month/Year): \_\_\_\_\_
2. Circle dates when irrigation occurred:
 

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										
3. Total Monthly Flow to irrigation (gallons): \_\_\_\_\_
4. Required observations: (Provide required information, and indicate 'yes' or 'no' where applicable, according to observed conditions.)

Inspection Date and Time		
Observation Stations Inspected:		
-----	-----	-----
Escape of Reclaimed Water from Site		
-----	-----	-----
Nuisance Odors from Reclaimed Water		
-----	-----	-----
Prolonged Ponding of Reclaimed Water		
-----	-----	-----
Mosquito Breeding		
-----	-----	-----
Warning Signs Improperly Posted		
-----	-----	-----
Public Contact with Reclaimed Water		
-----	-----	-----
Spray on Vehicles, Buildings, etc.		

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

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

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

\_\_\_\_\_  
Signature of User Supervisor

\_\_\_\_\_  
Date

POND OBSERVATION REPORT

(CHIMNEY ROCK WINERY)

1. Reporting Period (Month/Year): \_\_\_\_\_
2. Monthly Flow to Effluent Pond (gallons):
  - a. Winery Wastewater (P-IN) \_\_\_\_\_
  - b. Reclaimed Water (Yountville effluent) \_\_\_\_\_
3. Required observations:  
 (Provide required information, and indicate 'yes' or 'no' where applicable, according to observed conditions.)

Inspection Date and Time				
Freeboard (feet): a) Effluent Pond b) Storage Pond 1				
Observation Stations:	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. Show location of violation on a sketch of the site.
  - b. Explain cause and extent of violation.
  - c. 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