

DMH

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 82-67

WATER RECLAMATION REQUIREMENTS FOR:

SONOMA VALLEY COUNTY SANITATION DISTRICT AND
MITCHEL M. MULAS,
SONOMA COUNTY

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

1. The Sonoma Valley County Sanitation District (hereinafter Producer) supplies reclaimed water disinfected to 23 MPN/ 100 ml from its secondary treatment plant to Mitchel M. Mulas (hereinafter User) for the irrigation of fodder, fiber, and seed crops, and pasture for use by milking and non-milking animals.
2. The User is presently reusing an unknown amount of reclaimed water supplied by the Producer. This reuse is presently governed by Reclaimed Water Use Requirements contained in Regional Board Order No. 72-86, adopted on October 26, 1972.
3. The discharge from the treatment plant to Schell Slough from November 30 through May 1 is covered by a separate set of requirements adopted by the Regional Board under the National Pollutant Discharge Elimination System.
4. Section 13523 of the California Water Code provides that a Regional Board, after consulting with and receiving the recommendations of the State Department of Public Health, 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. The use of reclaimed water for the purposes specified in Finding 1 could affect the public health, safety, or welfare, and requirements for these uses are therefore necessary in accordance with the Water Code.
5. The Board, on its own motion, has reviewed the existing water reuse and the present Reclaimed Water Use Requirements issued to the User. Under Section 13263(e) of the California Water Code, the Board hereby revises waste discharge requirements to include the Producer and User.
6. The Board adopted a Water Quality Control Plan for San Francisco Bay Basin in April 1975 revised in July 1982. The water quality objectives for reclaimed wastewater, as set forth in the Basin Plan, specify those limits prescribed in Title 17, Section 8025 through 8050, California Administrative Code. These objectives have been superseded by Title 22, Section 60301 - 60357, California Administrative Code.

7. This project involves the continued operation of a sewage treatment and disposal facility with no expansion of use beyond that previously existing. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15101, Title 14, California Administrative Code.
8. This Regional Board has notified the Producer, the User, and interested agencies and persons of its intent to prescribe water reclamation requirements for the proposed uses.
9. This Board at a public meeting heard and considered all comments pertaining to this reuse.

IT IS HEREBY ORDERED, that the Producer and User, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Reclaimed Water Quality Specifications

1. The Producer shall assure that reclaimed water as supplied to the User, is at all times an adequately disinfected, oxidized water that meets the following quality limits at all times:

5-day BOD	30 mg/l (30 day Avg.) 60 mg/l (daily Max.)
Dissolved Oxygen	1.0 mg/l, minimum
Dissolved Sulfide	0.1 mg/l, maximum
Coliform Organisms	Median MPN shall not exceed twenty-three (23) coliform organisms per 100 milliliters of sample. The median value will be determined from the bacteriological results of the last seven (7) analyses.

2. The Producer shall discontinue the diversion of reclaimed water to the User during any period in which he has reason to believe the limits specified in A.1 are not being met.

B. Reclaimed Water Use Restrictions

The User shall comply with the following restrictions for their use of reclaimed water:

1. Use of reclaimed wastewater under provisions of this Order shall be limited to irrigation of fodder, fiber and seed crops, and pasturing of non-milking and milking animals.
2. Areas with public access irrigated with reclaimed wastewater shall be fenced and clearly identified with posted notices to the public. The method and form of notification shall be subject to the review and approval of the Executive Officer.
3. Reclaimed wastewater shall be applied to use areas in a manner which will prevent direct public contact with the wastewater.

4. All equipment, including pumps, piping, valves, etc. with public access which may at any time contain waste shall be adequately and clearly identified with warning signs and the User shall make all necessary provisions, in addition, to inform the public that the liquid contained is sewage and is unfit for human consumption.
5. No reclaimed wastewater used for irrigation shall be allowed to escape from the property of the User via surface flow or airborne spray.
6. Reclaimed water shall not be applied within 100 feet of any well, house, milking barn, pond, or any flowing stream channels containing surface water.
7. Reclaimed water shall not be used as a domestic or animal water supply.
8. Fodder, fiber and seed crops shall not be harvested when wet from spraying with reclaimed water.
9. Animals shall not be allowed to graze on pasture irrigated with reclaimed water until it is thoroughly dry.
10. Reclaimed water use shall be limited to the interval May 1 through November 30 of each year.
11. If a use restriction should be violated, the irrigation with reclaimed wastewater will be immediately terminated at the specific location and not resumed until all violations and conditions which would permit the violations to recur have been corrected.

C. Provisions

1. The treatment, distribution or reuse of reclaimed water shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. Wastewater shall not impair ground water quality.
3. Prior to initial commencement of wastewater reclamation on any use areas, the Producer and User shall submit to the Board; (a) map showing exact areas and fields to be irrigated; (b) the proposed use of the reclaimed water on each irrigation area; (c) map showing locations of domestic and irrigation wells in, or adjacent to, the irrigation areas; and (d) a report (after consultation with the State and County Health Departments) that is satisfactory to the Executive Officer on how each well will be adequately protected.
4. The Producer shall not supply effluent to the User, and the User shall not withdraw the Producer's effluent for reclamation, unless compliance with Provisions C.3 and C.6 have been demonstrated. Use of reclaimed water on a specific field other than areas shown on the map required by Provision C.3 shall not occur unless prior written authorization is received from the Executive Officer.

5. This Order includes all items in "Requirements of Design for Reclamation Facilities" dated October 1, 1975, which is Attachment A and hereby made a part of this Order.
6. The Producer and User shall file with the Board technical reports on self-monitoring work performed according to detailed specifications as directed by the Executive Officer.
7. The User of reclaimed wastewater shall manage its application so as to minimize mosquito breeding. The User shall comply with requirements of the local Mosquito Abatement District.
8. The Producer and User shall permit the Board or its authorized representative in accordance with California Water Code Section 13267(c):
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
 - b. Access to copy any records required to be kept under terms and conditions of this Order.
 - c. Inspection of any monitoring equipment or method required by this Order.
 - d. Sampling of any discharge or reclaimed water.
9. The Producer and User shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed to achieve compliance with the water reclamation requirements.
10. Board Order No. 72-86 is no longer applicable and is hereby rescinded.
11. The Board will review this Order periodically and may revise the requirements when necessary.

I, Fred H. Dierker, 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 December 15, 1982.

FRED H. DIERKER
Executive Officer

Attachments:

- A. Requirements of Design for Reclamation Facilities dated 10/1/75