

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-68

PRESCRIBING REQUIREMENTS FOR WASTE DISCHARGE BY THE  
VETERANS HOME OF CALIFORNIA ONTO LAND AND INTO THE  
NAPA RIVER NEAR THE CITY OF YOUNTVILLE, NAPA COUNTY

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. The Veterans Home of California, called the discharger below, filed a Report on Waste Discharge dated July 10, 1970, with this Regional Water Quality Control Board pursuant to Section 13260(b) of the California Water Code.
2. That Report describes this existing waste discharge as about 0.3 mgd of sewage only from a present population of 2,200. The present treatment facilities are designed to serve a population of 3,500 persons and an average daily flow of 1.5 mgd. The existing outfall, a 16-inch pipe, discharges the waste into the Napa River near the City of Yountville.
3. The discharger proposes to impound all effluent in an 8 acre-ft. pond during the months April through October of each year, and to use the effluent for spray irrigation of fodder crops only on a 75-acre site adjacent to his existing waste treatment facilities.
4. This Regional Board adopted Resolution No. 557 on May 21, 1964, adopting a long-range plan and policy with respect to water pollution control within the Napa River drainage basin.

CORRESPONDENCE

This Regional Board has considered recommendations about this matter from:

1. Memorandum from State Department of Fish and Game dated August 18, 1970.
2. Memorandum from State Department of Public Health dated August 6, 1970.
3. Memorandum from State Department of Water Resources dated August 20, 1970.
4. Letter from Napa County Health Department dated August 5, 1970.

STAFF INVESTIGATION

1. The waste may affect beneficial uses of groundwaters for domestic, industrial, and agricultural water supply in the vicinity of the impoundment and irrigation site.

2. The waste could affect beneficial water uses in the Napa River and contiguous water bodies, as described in this Board's Resolution No. 557 entitled "Adopting a Long-Range Plan and Policy with Respect to Water Pollution Control within the Napa River Drainage Basin, Napa County".
3. Land within 1000 feet of impoundment, irrigation site, and outfall is used for public buildings, farming, and transportation.

RESOLVED BY THIS REGIONAL BOARD

BOARD INTENT

1. Protect public health as it may be affected by this waste discharge.
2. Prevent nuisance, as defined in Section 13050(m) of the California Water Code.
3. Protect the beneficial water uses identified under "Staff Investigation" above.

WASTE DISCHARGE REQUIREMENTS - RECEIVING WATERS

1. The treatment, impoundment, or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
2. The discharge to the Napa River shall not:

- a. Unreasonably affect any of the protected beneficial water uses resulting from:

Floating, suspended, or deposited macroscopic particulate matter or foam, in waters of the State at any place;

Bottom deposits at any place;

Aquatic growths at any place;

Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place.

- b. Cause visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.

- c. Cause waters of the State to exceed the following limits of quality at any point:

Dissolved oxygen	7.0 mg/l minimum
Dissolved sulfide	0.1 mg/l maximum
pH	6.5 minimum 8.5 maximum

Other substances

any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

3. The waste treatment facilities, impoundment, or irrigation of the site shall not cause the ground water at any point to exceed any of the limits contained in most recent edition of the United States Public Health Service's Drinking Water Standards or any modifications or additions relating to drinking water quality adopted by the California State Board of Health.

WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

1. The waste as discharged to the Napa River shall meet these quality limits at all times:

A. In any grab sample:

pH	6.5, minimum 8.5, maximum
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Settleable matter

The arithmetic average of any six or more samples collected on any day	0.5 ml/l/hr., maximum
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80% of all individual samples collected during maximum daily flow over any 30-day period	0.4 ml/l/hr., maximum
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Any sample	1.0 ml/l/hr., maximum
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B. In any representative, 24-hour composite sample:

Toxicity: survival of test fishes in 96-hour bioassays of the waste as discharged

Any sample	75%, minimum
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Average of any three or more consecutive samples collected during any 21 or more days	90%, minimum
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2. The quality of the waste discharged to the Napa River or at some point in the treatment process shall be maintained within the following limits when the flow in the Napa River due to natural runoff at the Zinfandel Lane Gaging Station is less than 30 cubic feet per second:

Coliform Organisms

2.1 MPN/100 ml, median of five consecutive samples, maximum. Samples shall be collected at least two times per week.

720 MPN/100 ml, any single sample, maximum

The Board will accept proof of effective effluent disinfection in terms of factors other than bacterial concentrations if the discharger documents a sound statistical correlation between such factors and bacterial analysis, and provided the conditions of sewage strength and treatment do not change from the demonstration period.

5-day, 20°C. BOD

Moving median of five consecutive samples collected during any period of 21 or more consecutive days

10 mg/l, maximum

Any sample

40 mg/l, maximum

3. The quality of the waste discharged to the Napa River or at some point in the treatment process shall be maintained within the following limits when the flow in the Napa River due to natural runoff at the Zinfandel Lane Gaging Station exceeds 30 cubic feet per second:

Coliform Organisms

240 MPN/100 ml, median of five consecutive samples, maximum. Samples shall be collected at least two times per week.

10,000 MPN/100 ml, any single sample, maximum

5-day, 20°C. BOD

40 mg/l, any sample, maximum

4. The quality of the waste used for the surface or spray irrigation of fodder, fibre, and seed crops only in areas where public access is not effectively prevented shall be maintained within the following limits:

Coliform Organisms	2.1 MPN/100 ml, median of five consecutive samples, maximum. Samples shall be collected at least two times per week.
5-day, 20°C. BOD	10 mg/l, median of five consecutive samples, maximum 40 mg/l, any sample, maximum
Settleable matter	0.5 ml/l/hr., maximum

5. The quality of the waste used for the surface or spray irrigation of fodder, fibre, and seed crops only in areas where public access is effectively prevented shall be maintained within the following limit:

Settleable matter	1.0 ml/l/hr., maximum
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#### PROHIBITION

Pursuant to Section 13243 of the California Water Code and Resolution No. 557 this Regional Board prohibits any discharge of waste to the Napa River each year between April 1 and October 31; prohibits any surface runoff resulting from irrigation of the 75-acre site; and prohibits the discharge of any of this waste into watercourses other than the Napa River via the discharger's emergency overflow and at any other point.

#### REPORTING REQUIREMENTS

This Resolution includes items numbered 1, 2, 4, 6, and 7 of the attached "Reporting Requirements", dated August 28, 1970.

#### NOTIFICATIONS

This Resolution includes items numbered 1, 2, 3, 4, 5, 6, and 7 of the attached "Notifications", dated January 6, 1970.

WILLIAM C. WEBER  
Chairman

August 27, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-68 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region at its regular meeting on August 27, 1970.

FRED H. DIERKER  
Executive Officer  
CALIFORNIA REGIONAL WATER QUALITY CONTROL  
BOARD - SAN FRANCISCO BAY REGION