

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 80-31

WASTE DISCHARGE REQUIREMENTS FOR:

SAN MATEO COUNTY AND  
SAN MATEO COUNTY GLENWOOD BOYS RANCH  
LA HONDA, SAN MATEO COUNTY

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

1. San Mateo County and San Mateo County Glenwood Boys Ranch (hereinafter called the discharger) proposes to replace a pond to receive waste from a package treatment facility. Waste in the pond will evaporate or will be disposed by spray irrigation in a designated densely wooded area located on a ridge crest, about 1000 feet easterly of Alpine Creek.
2. The Board on October 1961 adopted Resolution 579 describing waste discharge requirements for disposal of wastes in a pond which failed in February 1980.
3. The maximum population served by the package plant is 60 residents plus 15 staff members.
4. Beneficial uses of Alpine Creek are:
  - a. Fish migration and habitat
  - b. Domestic waste supply
  - c. Esthetic enjoyment
5. These waste discharge requirements are for a treatment plant, pond and spray disposal operation at Glenwood Boys Ranch, San Mateo County which consists of a physical and functional replacement of existing facilities and as such are exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.) in accordance with Section 15102, Chapter B, Title 14, California Administrative Code.
6. The discharger and interested agencies and persons have been notified of the Board's intent to revise requirements for the existing discharge and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.
7. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that San Mateo County Glenwood Boys Ranch, 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. Discharge Prohibitions

1. The discharge into the artificial impounding pond shall not cause atmospheric odors recognizable as being of waste origin at any place beyond the boundaries of the pond.
2. No wastewater shall be applied to the disposal area during periods of rainfall or when soils are saturated.
3. Discharge of waste from the holding pond, other than to the land disposal system is prohibited.
4. No reclaimed wastewater applied to the disposal areas shall be allowed to escape to areas outside the discharger's property.
5. Wastewater shall not be applied to disposal areas in such a manner or at such times as to expose individuals to contact with spray droplets.
6. Public access to the spray disposal area shall be precluded.

B. Specifications

1. The treatment, distribution or application of reclaimed water shall not create a nuisance as defined in Section 13050(M) of the California Water Code.
2. The wastewater as discharged to the holding pond shall be at all times an adequately disinfected, oxidized water and shall meet the following quality limits at all times:

5-day BOD	30.0 mg/l maximum
Chlorine residual	1.0 mg/l, minimum
Dissolved Oxygen	2.0 mg/l, minimum
Dissolved Sulfide	0.1 mg/l, maximum
Coliform Organisms	Median MPN shall not exceed 23 coliform organisms per 100 milliliters of sample at some point in the treatment process. The median value will be determined from the bacteriological results of the last seven (7) analyses.

C. Provisions

1. This Board's Resolution No. 377, adopted on October 19, 1961 is hereby rescinded.
2. The discharger shall comply with all Specifications and Prohibitions of this Order immediately upon adoption.

3. The discharger shall comply with the attached Self-Monitoring Program as ordered by the Executive Officer.
4. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements," dated April 1977, except A.7, A.12, A.16, B.2 and B.3.

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 June 17, 1980.

FRED H. DIERKER  
Executive Officer

Attachments:  
Standard Provisions & Reporting  
Requirements - April 1977  
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

SAN MATEO COUNTY GLENWOOD BOYS RANCH

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LA HONDA

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SAN MATEO COUNTY

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ORDER NO. 80-31

CONSISTS OF

PART A

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E	At a point between the sewage treatment plant and the artificial pond where the plant effluent has been adequately disinfected.
P	At a point in the artificial pond at least 25 feet from the discharge from the treatment plant.
Pn, Ps, Pe, Pw	At the north, south, east and west sides of the pond.
Ll thru Ln	Along the down slope side of the spray area.

II. SCHEDULE OF SAMPLING AND ANALYSIS

- A. The schedule of sampling and analysis shall be that given as Table I.
- B. Written reports shall be filed for each calendar quarter.

I, Fred H. Dierker, Executive Officer, 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 waste discharge requirements established in Regional Board Order No. 80-31.
2. Does not include the following paragraphs of Part A:  

D.1, D.3, E.4.d, F.3.e, F.3.g and F.4.
3. Is effective on the date shown below.
4. 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.

FRED H. DIERKER  
Executive Officer

Attachment:  
Table I

Effective Date June 19, 1980

**TABLE I**  
**SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS**

Sampling Station	E		P	Pn, Ps, Pe & Pw	L <sub>thru</sub> Ln								
	C-6	G	O	O	O								
TYPE OF SAMPLE													
Flow Rate (mgd)		D											
BOD, 5-day, 20° C, (mg/l & kg/day)	Q												
Chlorine Residual & Dosage (mg/l & kg/day)		D											
Settleable Matter (ml/1-hr. & cu. ft./day)		D											
Total Suspended Matter (mg/l & kg/day)													
Oil & Grease (mg/l & kg/day)	Q												
Coliform (Total (MPN/100 ml) per req't	Q												
Fish Toxicity, 96-hr. TL <sub>50</sub> % Survival in undiluted waste													
Ammonia Nitrogen (mg/l & kg/day)													
Nitrate Nitrogen (mg/l & kg/day)													
Nitrite Nitrogen (mg/l & kg/day)													
Total Organic Nitrogen (mg/l & kg/day)													
Total Phosphate (mg/l & kg/day)													
Turbidity (Jackson Turbidity Units)													
pH (units)													
Dissolved Oxygen (mg/l and % Saturation)		Q	2W										
Temperature (°C)													
Apparent Color (color units)			D										
Secchi Disc (inches)													
Sulfides (if DO < 2.0 mg/l) Total & Dissolved (mg/l)		Q	2W										
Arsenic (mg/l & kg/day)													
Cadmium (mg/l & kg/day)													
Chromium, Total (mg/l & kg/day)													
Copper (mg/l & kg/day)													
Cyanide (mg/l & kg/day)													
Silver (mg/l & kg/day)													
Lead (mg/l & kg/day)													

TABLE I (continued)  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	E		P	Pn, Ps, Pe & Pw	Li- Ln								
	C	G	O	O	O								
Mercury (mg/l & kg/day)													
Nickel (mg/l & kg/day)													
Zinc (mg/l & kg/day)													
PHENOLIC COMPOUNDS (mg/l & kg/day)													
All Applicable Standard Observations			D	D		D <sup>1</sup>							
Bottom Sediment Analyses and Observations													
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)													

LEGEND FOR TABLE

TYPES OF SAMPLES

- G = grab sample
- C-6 = composite sample ~ 6-hour
- O = observation

TYPES OF STATIONS

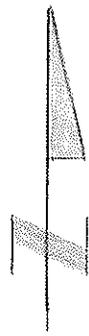
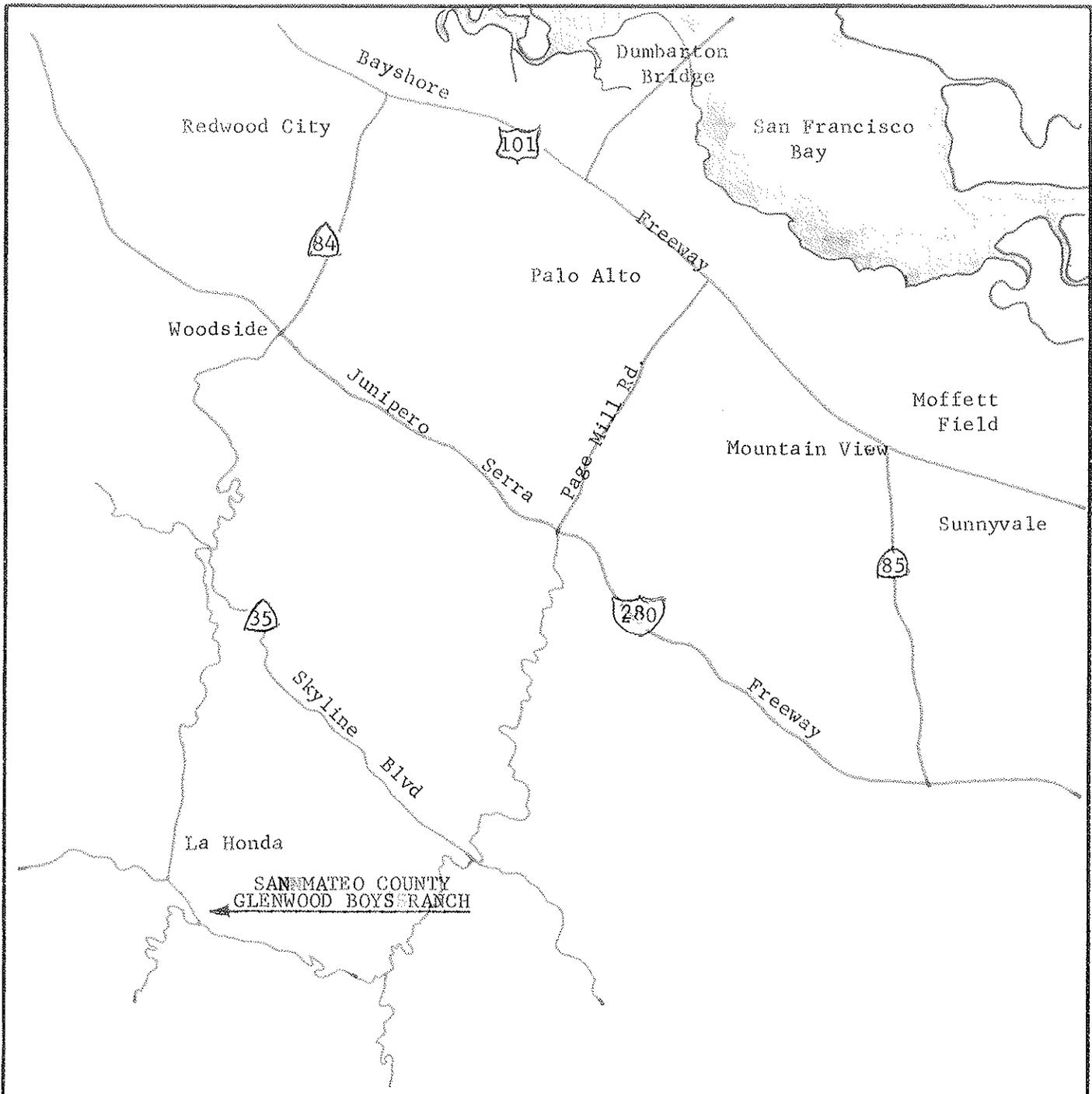
- E = waste effluent station
- P = pond or pond levee station
- L = land disposal station

FREQUENCY OF SAMPLING

- D = once each day
- 2W = once every two weeks
- Q = quarterly, once in March, June, September and December

FOOTNOTE

1. On each day when spray application occurs and for two consecutive days after each period of spray application ceases.



No Scale

STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN FRANCISCO BAY REGION		
SAN MATEO COUNTY GLENWOOD BOYS RANCH La Honda San Mateo County		
DRAWN BY: WT	DATE: 1-1-80	DRWG. NO.