

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. 79-143

WASTE DISCHARGE REQUIREMENTS
FOR
KETTLEMAN CITY SANITARY DISTRICT
KINGS COUNTY

The California Regional Water Quality Control Board, Central Valley Region (hereinafter Board), finds:

1. The Kettleman City Sanitary District (hereinafter discharger) submitted a Report of Waste Discharge dated 9 January 1979 for the discharge from a waste treatment facility in Section 20, T22S R19E, MDB&M.
2. The proposed discharge will be from a trickling filter plant designed to treat an average flow of 0.22 mgd (9.81 l/sec) and a peak flow of 0.67 mgd (29 l/sec).
3. The discharge will be to the Blakely Canal which is privately owned and operated by Westlake Farms for agricultural irrigation.
4. The waste treatment facilities are being constructed to resolve individual waste system problems in an unsewered community. A prohibition on leaching or percolation systems was adopted by Regional Board Order No. 75-071.
5. Groundwater depth was about 170 feet in January 1979 and considered of fair quality with electrical conductances of around 1100 micromhos.
6. Beneficial uses of local groundwaters are:
 - a. municipal and domestic supply
 - b. agricultural supply
7. The Board adopted a Water Quality Control Plan for the Tulare Lake Basin (5D) on 25 July 1975.
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written views and recommendations.
9. The Board in a public meeting heard and considered all comments pertaining to the discharge.
10. The County has prepared an Environmental Impact Report in accordance with the California Environmental Quality Act. The Board has reviewed the Environmental Impact Report and determined that there will be no substantial adverse changes in water quality as a result of the project.

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IT IS HEREBY ORDERED, that the discharger shall comply with the following:

A. Waste Discharge Specifications

1. Neither the treatment nor the discharge shall cause a nuisance or pollution as defined in the California Water Code.
2. The discharge shall not cause degradation of any water supply.
3. The thirty day mean daily flow shall not exceed 0.22 mgd (9.8 l/sec).
4. The discharge from the treatment facility to the Blakely Canal of Westlake Farms for irrigation reuse shall not contain concentrations in excess of the following:

| <u>Measurement</u> | <u>Units</u> | <u>30-day Average</u> | <u>Daily Maximum</u> |
|--------------------------------|--------------|---------------------------|--------------------------|
| BOD ₅ ^{1/} | mg/l | 40 | 80 |
| Total Suspended Matter | mg/l | 40 | 80 |
| Settleable Matter | ml/l | 0.2 | 0.5 |

1/ Five-day 20 Degree Celsius Biochemical Oxygen Demand

5. The use of effluent shall be limited to the irrigation of fiber, fodder and seed crops.
6. The discharger shall implement appropriate measures to preclude public access from the canal and effluent disposal area.
7. The discharge shall not cause visible oil, grease, scum, foam or floating solids in the receiving water at any time.
8. The discharges shall not depress the dissolved oxygen concentration in the receiving water below 5.0 mg/l at any time.

B. Prohibitions

1. Bypass or overflow of untreated or partially treated wastes is prohibited.

C. Provisions

1. The discharger shall comply with Monitoring and Reporting Program No. 79-143 as specified by the Executive Officer.

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2. The discharger shall maintain chlorination facilities of assured reliability in the event disinfection of effluent is required to protect public health.
3. The discharger shall report promptly to the Board any material change or proposed change in character, location or volume of the waste discharge.
4. A copy of these waste discharge requirements shall be maintained at the treatment facility and be available at all times to the plant operating personnel.
5. In the event of any change in control or ownership of this treatment and disposal system, the discharger shall notify this Board of such change and notify the succeeding owner or operator of the existence of this Order.
6. The Board will review this Order periodically and may revise the requirements when necessary.
7. This Order does not constitute a license or permit; neither does it authorize the commission of any act resulting in injury to the property of another, nor does it protect the discharger from his liabilities under federal, state, or local laws.

I, JAMES A. ROBERTSON, 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, Central Valley Region, on 22 June 1979.

Original Signed By
William H. Crooks

JAMES A. ROBERTSON, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 79-143

FOR
KETTLEMAN CITY SANITARY DISTRICT
KINGS COUNTY

INFLUENT MONITORING

The influent shall be monitored at the headworks of the treatment plant; the following shall constitute the influent monitoring program:

| <u>Measurement</u> | <u>Unit</u> | <u>Type of Sample</u> | <u>Frequency</u> |
|------------------------|-------------|-----------------------|------------------|
| BOD ₅ | mg/l | Grab | Monthly |
| Total Suspended Matter | mg/l | Grab | Monthly |
| Total Daily Flow | mgd | -- | Daily |

EFFLUENT MONITORING

The effluent shall be sampled from the outfall pipe prior to discharge for irrigation. The following shall constitute the effluent monitoring program:

| <u>Measurement</u> | <u>Unit</u> | <u>Type of Sample</u> | <u>Frequency</u> |
|------------------------|-------------|-----------------------|------------------|
| BOD ₅ | mg/l | 8-hour composite | Weekly |
| Total Suspended Matter | mg/l | 8-hour composite | Weekly |
| Settleable Matter | ml/l | Grab | 2/week |

RECEIVING WATER MONITORING

| <u>Measurement</u> | <u>Unit</u> | <u>Type of Sample</u> | <u>Frequency</u> |
|--------------------------------|-------------|-----------------------|------------------|
| Dissolved Oxygen ^{1/} | mg/l | Grab | 2/week |

^{1/} Samples to be collected within 50 feet downstream of the point of discharge.

REPORTING

Monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with waste discharge requirements.

Original Signed By
Ordered by William H. Crooks
JAMES A. ROBERTSON, Executive Officer

22 June 1979
(date)

5/17/79
RHF/em