

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 76-4  
NPDES NO. CA0104779

WASTE DISCHARGE REQUIREMENTS  
FOR  
KERSHAW AND SONS, INC. - FEEDLOT  
North of Brawley - Imperial County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Kershaw and Sons, Inc. (hereinafter also referred to as the discharger), P.O. Box 75, Brawley, California, 92227, submitted an NPDES Application for Permit to Discharge dated June 16, 1975. Said application is assigned Application No. CA0104779.
2. The discharger reports that :
  - a. It manages a concentrated animal feeding operation which contained a maximum of 15,000 cattle for a period of 30 days or more during the previous 12 months. Total capacity of the feedyard is 30,000 animals.
  - b. Presently a maximum of 1,500 gallons-per-day of watering trough flow-through wastewater and 500 gallons-per-day of boiler blow-down wastewater (from a feed mixing facility) is discharged via two subsurface tile drains into Best Drain in the SW $\frac{1}{4}$ , Section 3, T13S, R14E, SBB&M. The wastewaters are conveyed westward a distance of approximately one mile to New River.
  - c. No wastewaters, other than those described in (b) above, are discharged to open drainage channels or to agricultural drainage systems.
  - d. Dead animals are removed by a commercial rendering service.
  - e. Refuse and rubbish from the feedlot operations are accumulated in an area on the southwest side of the feedyard.

- f. Manure is stored in a 2.5 acre area located at the northwest corner of the feedyard and is eventually sold for use as fertilizer.
3. Staff findings are:
  - a. The feedyard is relatively flat and has a subsurface tile drainage system.
  - b. Protection from stormwater runoff during a 10-year, 24-hour storm appears adequate.
  - c. Highly decomposable Group II wastes, such as garbage, are hauled to an approved solid waste disposal site.
  - d. Domestic wastes from employee working areas are disposed by means of septic tank and leach field systems.
4. The Water Quality Control Plan for the West Colorado River Basin Region was adopted by the Board on April 10, 1975, and this Order implements the objectives stated in the Plan.
5. The beneficial uses of the water in the New River and Imperial Valley drains discharging thereto are:
  - a. Limited public fishing activity.
  - b. Transport of dissolved solids to the Salton Sea for soil salinity control, in Imperial Valley.
  - c. Freshwater habitat for fish and wildlife.
  - d. Freshwater replenishment for the Salton Sea.
6. Effluent limitations, and national standards of performance, established pursuant to Sections 208 (b), 301, 302, 303 (d), 304, 306 of the Federal Water Pollution Control Act and amendments thereto, are applicable to the discharge.
7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge, and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

8. The Board in a public meeting heard and considered all comments pertaining to the discharge.
9. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto and shall take effect at the end of ten days from date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, Kershaw and Sons, Inc., in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to Best Drain shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>Average Discharge Rate</u>	<u>Daily Maximum Discharge Rate</u>
20°C BOD <sub>5</sub>	lbs/day mg/l	0.42 20	0.63 30
Suspended Solids	lbs/day mg/l	0.42 20	0.63 30
Settleable Matter	ml/l	0.5	1.0

2. Compliance with the average values set forth in Effluent Limitation A.1. (above) will be established by averaging the results of the last three samples collected.
3. The daily weight (lbs/day) listed in Item 1 (above) is obtained from the following calculation for any calendar day:

$$\text{Daily Weight (lbs/day)} = \frac{8.34}{N} \sum_{i=1}^N Q_i C_i$$

in which  $N$  is the number of samples analyzed in any calendar day.  $Q_i$  and  $C_i$  are the flow rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the  $N$  grab samples which may be taken in any calendar day. If a composite sample is taken,  $C_i$  is the concentration measured in the composite sample, and  $Q_i$  is the average flow rate occurring during the period over which samples are composited.

4. The average daily flow of wastewater into Best Drain shall not exceed 2,500 gallons-per-operating day.
5. The effluent values for pH shall remain between 6.0 and 9.0.

#### B. Receiving Water Limitations

1. Wastewater discharged to Best Drain shall not:
  - a. Depress the dissolved oxygen content of said drain below 5.0 mg/l.
  - b. Cause foam at the point of discharge or downstream thereof.
  - c. Cause presence of oil, grease, scum, sludge or solids.
  - d. Cause presence of chemicals or pesticides toxic to fish and other aquatic wildlife.

#### C. Prohibitions and Specifications

1. Neither the treatment nor the discharge of wastes shall cause a pollution or nuisance.
2. Measures shall be taken to assure that surface drainage from animal confinement facilities and manure storage areas, which would occur during a 10-year, 24-hour storm, shall be prevented from entering open drainage channels, tile lines, or canals.
3. Surface drainage from adjacent lands, which would eventually enter open drainage channels, tile lines or canals, shall be prevented from flowing through areas containing manure.

4. Settleable matter resulting from watering trough cleaning shall not be discharged to open drainage channels, tile lines or canals.
5. There shall be no discharge of wastewaters to Best Drain other than that described in Finding 2.b. (above) and there shall be no discharge of wastewater to any other open drainage channels, tile lines or canals.
6. Animals in confinement shall be prevented from making contact with surface waters.
7. Manure storage areas shall not be located nearer than 100 feet laterally from any open drainage channel, canal, lateral or drainage course as measured horizontally from the top edge of the nearest bank.
8. Dead animals and portions thereof, which are not carried away by a rendering works or similar commercial service, shall be disposed of only at locations acceptable to the Regional Board and allowable by local authority, and shall not create a public health hazard.
9. Group II solid wastes, such as garbage, highly decomposable organic material and antibiotic containers, shall not be retained on the feedyard premises, but shall be discharged at a solid waste disposal site approved by the Regional Board to receive these wastes.
10. Group II solid wastes such as paper, cardboard and tin cans, which are stored temporarily on the premises must be periodically transferred to an approved solid waste disposal site so that these wastes will not enter surface waters.

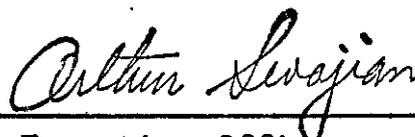
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#### D. Provisions

1. This Order includes Items No. 1, 3, and 5 of the attached "Reporting Requirements".
2. This Order includes Items No. 1, 2, 4, 5, 6, 7, 8, 9, and 11 of the attached "Standard Provisions".
3. This Order includes the attached "General Monitoring and Reporting Provisions".

4. This Order includes "Monitoring and Reporting Program No. 76-4" and future revisions thereto, as specified by the Executive Officer.
5. This Order expires five (5) years from date of adoption thereof, and the discharger shall file a report of waste discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such date as an application for issuance of new waste discharge requirements.
6. Prior to any material enlargement of these facilities or change in location, the feedlot operator shall report thereon to the Board.
7. In the event of any change in operation, or in control or ownership of the concentrated animal confinement facilities and/or waste disposal facilities owned or controlled by the discharger, the feedlot owner and/or operator shall:
  - a. Notify this Board of such change; and
  - b. Notify the succeeding owner or operator by letter of the existence of this Order; and file a copy of said letter with this Board.

I, Arthur Swajian, 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, Colorado River Basin Region, on January 29, 1976.



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Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-4 (REVISED)  
FOR

KERSHAW AND SONS, INC. - FEEDLOT  
North of Brawley - Imperial County

Location of Discharge: Best Drain in the SW 1/4, Section 3,  
T13S, R14E, SBB&M

MONITORING

Upon request from this Board's Executive Officer, the discharger shall furnish technical and/or monitoring reports on the treatment and discharge of waste.

Ordered by

Arthur Levajian

Executive Officer

Dec 17, 1979

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-4  
FOR

KERSHAW AND SONS, INC. - FEEDLOT  
North of Brawley - Imperial County

Location of Discharge: Best Drain in the SW $\frac{1}{4}$ , Section 3,  
T13S, R14E, SBB&M

EFFLUENT MONITORING

Wastewater discharged to Best Drain shall be monitored for the following constituents. Samples from both discharge points may be combined prior to analysis. All samples shall be taken between 6 a.m. and 6 p.m.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD <sub>5</sub>	mg/l	Grab	Semiannually
Suspended Solids	mg/l	Grab	Semiannually
Settleable Matter	ml/l	Grab	Semiannually
Flow	gallons/day	Average Daily	Reported Semiannually
pH	pH units	Grab	Semiannually

If during any semiannual period the wastewater discharged does not contain visible settleable matter, a signed\*semiannual statement specifically so stating and including the average daily flow rate may be submitted in lieu of sample monitoring as described above, for that particular semiannual report.

REPORTING

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

\*Signature must be that of an authorized company agent or official.

Semiannual monitoring reports shall be submitted by July 15 and January 15 of each year.

Forward Monitoring Reports to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
P.O. Drawer I  
Indio, CA 92201

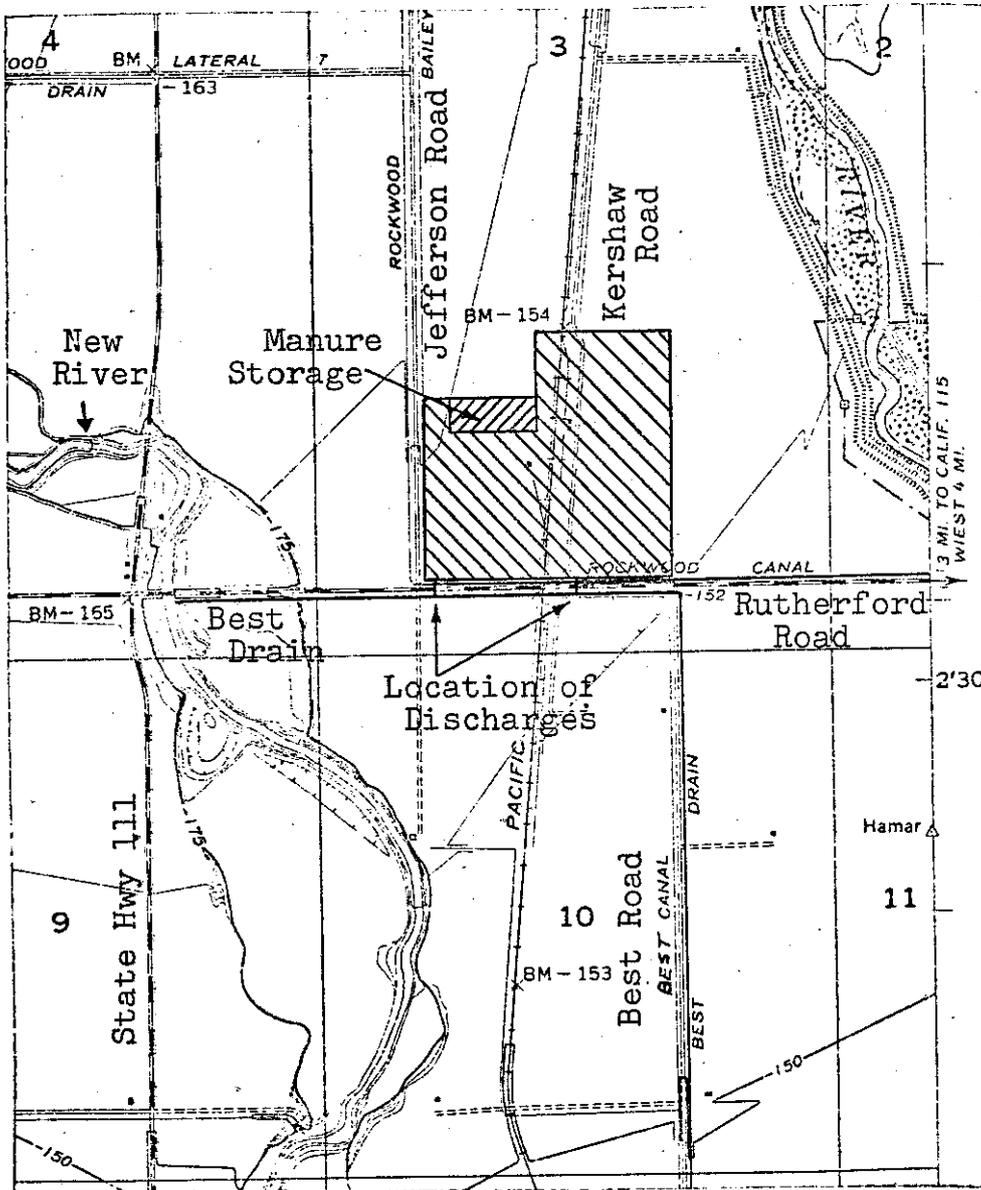
ORDERED BY:

*Arthur Levajian*

Executive Officer

January 29, 1976

Date



SITE MAP  
KERSHAW AND SONS, INC. - FEEDLOT  
North of Brawley - Imperial County  
SW $\frac{1}{4}$ , Section 3, T13S, R14E, SBB&M  
Westmorland 7.5' Topographic Map