

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 76-5
NPDES NO. CA0104787
FOR
FOSTER FEED YARD
Southeast of Brawley - Imperial County

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

1. Foster Feed Yard (hereinafter also referred to as the discharger), 3403. Casey Road, Brawley, California, 92227, submitted an NPDES Application for Permit to Discharge dated January 20, 1975. Said Application is assigned Application No. CA0104787.
2. The discharger reports that:
 - a. It manages a concentrated animal feeding operation which contained a maximum of 22,000 cattle and 200 hogs for a period of 30 days or more during the previous 12 months. Total capacity of the feedyard is 22,200 animals.
 - b. Presently a maximum of approximately 140,000 gallons-per-day of wastewater is discharged to Oasis Drain in the N $\frac{1}{2}$, Section 28, T14S, R15E, SBB&M, and thence to Alamo River. The discharge includes:
 1. 100,000 gallons-per-day of cattle watering trough flow-through wastewater.
 2. 35,000 gallons-per-day of hog watering trough flow-through wastewater.
 3. 1,000 gallons-per-day of equipment wash-pad wastewater.
 4. 50 gallons-per-day of water softener backwash and washdown wastewater from a feed-mixing facility.
 5. 50 gallons-per-day of rinse water from a cattle carcass grinding machine.

- 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 either cooked and processed into hog-feed or are removed by a commercial rendering service.
- e. Refuse and rubbish from the feedlot operations are accumulated near the southeast corner of the feedlot and some are eventually buried.
- f. Manure removed from the feedlot is spread upon privately owned agricultural land.
- g. Domestic wastes from employee working areas are disposed by means of septic tank and leach field systems.

3. Staff findings are:

- a. The area in which the feedlot is located is relatively flat and is completely underlain by a subsurface tile drainage system.
- b. Animal confinement facilities appear to have adequate capacity to retain the resultant runoff waters expected to occur during a 10-year, 24-hour storm.
- c. The hog watering trough flow-through water continuously overflows onto a concrete hogpen floor, making contact with animal excrement and spilled food materials. It then passes into a settling tank which overflows directly to Oasis Drain. Periodically, animal excrement and food material present on the hogpen floor is rinsed into said settling basin, during which time a motor driven agitator in the basin is used, presumably to facilitate the overflow of settleable materials to Oasis Drain.
- d. Vehicles, such as cattle trucks, are often cleaned at the equipment wash-pad, thereby allowing wastewater containing animal excrement to be discharged directly to Oasis Drain.

- e. Cattle carcasses, to be cooked and processed into hog-feed, are first passed through a grinder located near the north end of the feedyard. When this grinder is rinsed, the resultant wastewater is allowed to enter Oasis Drain through a nearby surface drain pipe.
 - f. There currently exists an unauthorized refuse disposal site along Alamo River at the west end of Cooper Road. This site, located approximately two miles west of Foster Feed Yard, contains waste materials suspected to be of feedlot origin, including dead animal remains, manure, and veterinary materials.
 - g. Supply water for the feedlot operations is obtained from Oat Irrigation Canal and is stored in a reservoir located at the south side of the feedlot.
- 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 Alamo River and Imperial Valley drains discharging thereto are:
 - a. Limited public fishing activity.
 - b. Soil salinity control by transport of dissolved solids to Salton Sea.
 - c. Freshwater habitat for fish and wildlife.
 - d. Freshwater replenishment for Salton Sea.
 - 6. Effluent limitations, national standards of performance, and toxic and pretreatment effluent standards established pursuant to Sections 208(b), 301, 302, 303(d), 306, and 307 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, Foster Feed Yard, 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 Oasis Drain shall not contain constituents in excess of the following limits:

<u>Constituents</u>	<u>Unit</u>	<u>Average Discharge Rate</u>	<u>Daily Maximum Discharge Rate</u>
20°C BOD ₅	lbs/day mg/l	25.0 20	37.5 30
Suspended Solids	lbs/day mg/l	25.0 20	37.5 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 Items 1 and 2 (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 discharged shall not exceed 150,000 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 Oasis Drain shall not:
 - a. Depress the dissolved oxygen content of said drain below 5.0 mg/l.
 - b. Cause presence of oil, grease, scum, sludge, or solids.
 - c. Cause foam at the point of discharge or downstream thereof.
 - d. Cause presence of chemicals or pesticides toxic to fish and other aquatic life.

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 drains, or canals.
3. Surface drainage from adjacent lands which would eventually enter open drainage channels, tile drains, or canals, shall be prevented from flowing through areas containing manure.

4. The discharge to Oasis Drain or to any other surface water of any process generated waste water which comes into contact with animal excrement or dead animal tissue is prohibited. This prohibition includes hog watering trough flow-through wastewater, equipment wash-pad wastewater, and carcass grinding machine wastewater, as further described above in Staff Findings No. 3c, 3d, and 3e, respectively, above.
5. Settleable matter resulting from watering trough cleaning shall not be discharged to open drainage channels, tile drains, or canals.
6. Animals in confinement shall be prevented from making contact with surface waters.
7. Manure shall not be stored 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 animal parts which are not carried away by a rendering works or similar commercial service shall be disposed only at Class II solid waste disposal sites* or at other locations acceptable to the Regional Board, and shall not create a public health hazard.
9. The discharge of any solid waste materials at the unauthorized refuse disposal site described herein in Staff Finding No. 3f (west end of Cooper Road near Alamo River) or at any other unauthorized site is prohibited.
10. Refuse, rubbish, veterinary materials, and other solid wastes shall be discharged only at a Class II solid waste disposal site approved by the Regional Board to receive these wastes.
11. Group 3 solid wastes, such as paper and metal, which are not considered highly decomposable and which are stored on the premises, must be handled in such a manner as to preclude their entry into irrigation drains and canals.
12. The discharger shall remove and relocate any wastes which are discharged in violation of the requirements contained in this Order.

*NOTE: Prior to initial discharge, Foster Feed Yard should contact the Imperial County Road Commissioner to determine what restrictions may exist regarding materials discharged.

D. Provisions

1. The discharger shall comply with the following time schedule in order to assure full compliance with requirements No. A.1 and C.4 of this Order:

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Due</u>
Submit report on Proposed Method to Obtain Full Compliance	---	5/15/76
Full Compliance	10/15/76	11/1/76

If noncompliance is being reported, the reasons for such noncompliance shall be stated, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

2. The discharger shall comply with the attached "Monitoring and Reporting Program No. 76-5" and future revisions thereto, as specified by the Executive Officer.
3. This Order includes the attached "General Monitoring and Reporting Provisions".
4. This Order includes Items No. 1, 2, 4, and 5 of the attached "Reporting Requirements".
5. This Order includes Items No. 1, 2, 4, 5, 6, 7, 8, 9, and 11 of the attached "Standard Provisions".
6. 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.
7. Prior to any material enlargement of these facilities or change in location, the feedlot operator shall report thereon to the Board.

8. 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 Foster Feed Yard, 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.

Arthur Swajian

Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-5
FOR
FOSTER FEED YARD
Southeast of Brawley - Imperial County

Location of Discharge: Oasis Drain in the N $\frac{1}{2}$, Section 28, T14S,
R15E, SBB&M

EFFLUENT MONITORING

Wastewater discharged to Oasis Drain shall be monitored for the following constituents. Samples shall be taken from each point of discharge and may be combined (in proportion to relative flow volume) 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 ₅	mg/l	Grab	Semiannually
Suspended Solids	mg/l	Grab	Semiannually
Settleable Matter	ml/l	Grab	Semiannually
Flow (total)	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 and has not come into contact with any animal excrement or dead animal tissue, a signed* semiannual statement specifically so stating and including the average daily total flow rate may be submitted for that particular semiannual period in lieu of sample monitoring as described above.

REPORTING

The discharger shall implement the above monitoring program within

*Signature must be from an authorized company agent or official.

30 days of the effective date of this Order.

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

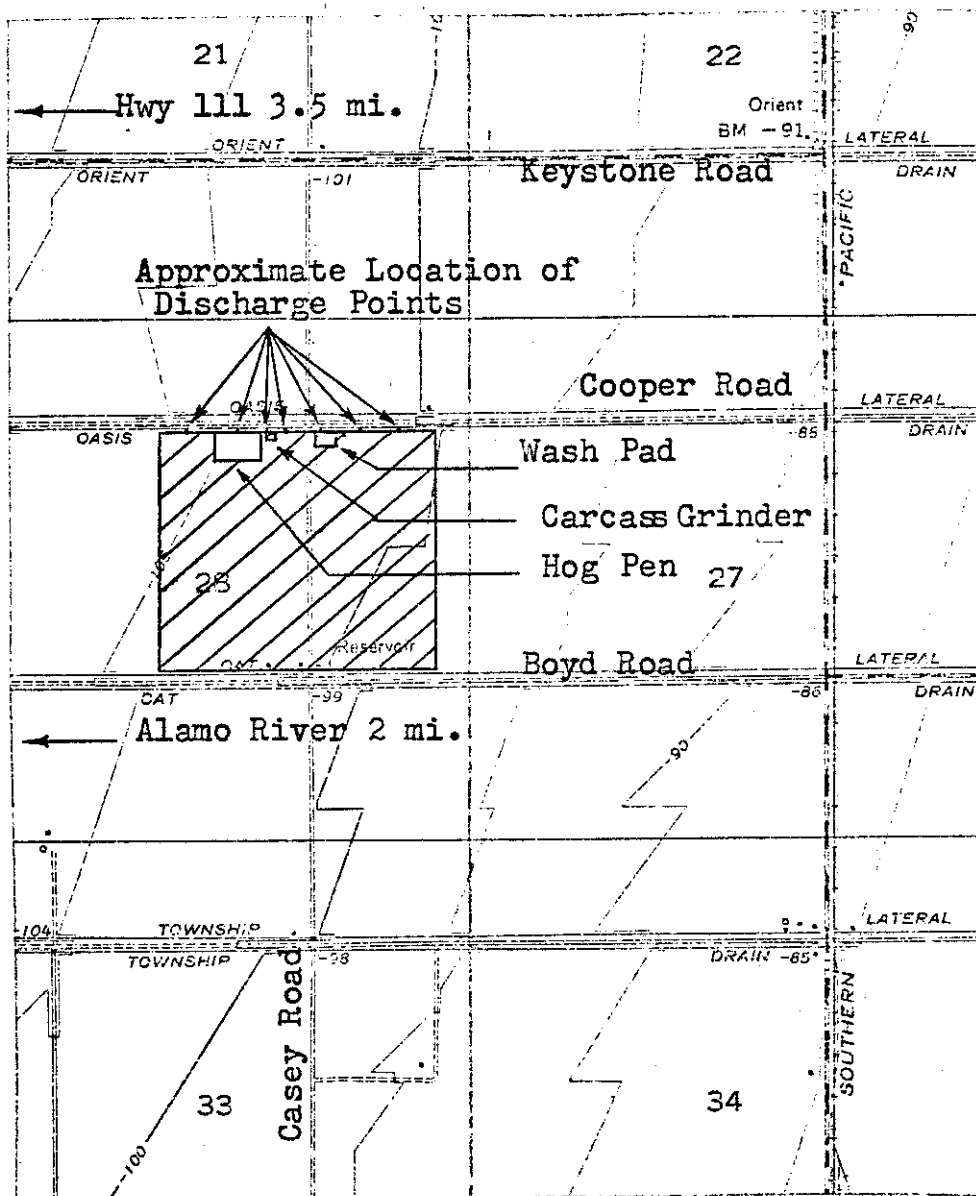
ORDERED BY:

Arthur Levajian

Executive Officer

January 29, 1976

Date



Scale
1" = 2000'

SITE MAP

FOSTER FEED YARD
Southeast of Brawley - Imperial County

N₁/₂, Section 28, T14S, R15E, SBB&M
Alamorio 7.5' Topographic Map

Order No. 76-5