

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 76-34
NPDES NO. CA0104833

WASTE DISCHARGE REQUIREMENTS
FOR
PIONEER LIVESTOCK, INC.
South of Brawley - Imperial County

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

1. Pioneer Livestock, Inc. (hereinafter also referred to as the discharger), 195 West Carey Road, Brawley, CA 92227, submitted an NPDES Application for Permit to Discharge dated February 17, 1976. Said application is assigned Application No. CA0104833.
2. The discharger reports that:
 - a. It manages a concentrated animal feeding operation which contained a maximum of 14,000 cattle for a period of 30 days or more during the previous 12 months. Total capacity of the feedyard is 15,000 animals.
 - b. Presently a maximum of approximately 50,000 gallons-per-day of watering trough flow-through wastewater is discharged, via three subsurface tile drains, into Dolson Drain No. 3 in the NE $\frac{1}{4}$, Section 19 and the NW $\frac{1}{4}$, Section 20, T14S, R14E, SBB&M, and thence northeast, a distance of approximately 6 $\frac{1}{2}$ miles, to Alamo River.
 - c. No wastewaters, other than that 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 from the feedlot operation is accumulated at a solid waste site located near the east side of the feedyard.
 - f. Manure is stored on the east side of the feedyard and is periodically removed to be spread upon agricultural land.

*Approved
6/10/81*

3. Staff findings are:
 - a. The feedyard and surrounding agricultural lands are relatively flat.
 - b. The U. S. Soil Conservation Service has determined that the feedyard has adequate capacity to retain the resultant runoff waters expected to occur during a 10-year 24-hour storm.
 - c. Domestic wastes from employee working areas are disposed by means of septic tank and leach field systems.
 - d. Boiler blow-down from a feed mixing facility is discharged to ground and does not enter surface waters.
 - e. Wastewater from an equipment wash pad is discharged to a small evaporation basin and does not enter surface waters.
4. The Water Quality Control Plan for the West Colorado River Basin Region (7A) 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. Transport of dissolved solids to Salton Sea for soil salinity control in Imperial Valley.
 - c. Freshwater habitat for fish and wildlife.
 - d. Freshwater replenishment for Salton Sea.
6. Effluent limitations, and national standards of performance, established pursuant to Sections 208(b), 301, 302, 303(d), 304 and 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, Pioneer Livestock, Inc., in order to meet the provisions contained in Division 7 of the California Water Code and amendments 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 Dolson Drain No. 3 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 ₅	lbs/day	9.2	13.8
	mg/l	20	30
Suspended solids	lbs/day	9.2	13.8
	mg/l	20	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 Dolson Drain No. 3 shall not exceed 55,000 gallons-per-day.
5. The effluent values for pH shall remain between 6.0 and 9.0.

B. Receiving Water Limitations

1. Wastewater discharged to Dolson Drain No. 3 shall not:
 - a. Depress the dissolved oxygen content of said drain below 5.0 mg/l.
 - b. Cause presence of 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 a nuisance.
2. Measures shall be taken to assure that surface drainage from animal confinement and manure storage areas, which would occur during a 10-year, 24-hour storm, shall be prevented from entering open drainage channels, tile drains, canals, or other surface waters.
3. Surface drainage from adjacent lands shall be prevented from entering surface waters if such drainage is allowed to flow through areas containing manure.
4. There shall be no discharge of wastewaters to Dolson Drain No. 3 other than watering trough flow-through wastewater, as described in Item 2.b(above), and there shall be no discharge to any other surface waters, including open drainage channels, tile lines, or canals.
5. Settleable matter resulting from trough cleaning shall not be discharged to Dolson Drain No. 3, or to any other surface waters, including 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 closer than 100 feet laterally from any surface waters, including open drainage channels, canals, laterals, or drainage courses, 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 service or other 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. Refuse, rubbish and other solid wastes shall be discharged only at a solid waste disposal site approved by the Regional Board to receive these wastes.
10. The discharger shall remove and relocate any wastes which are discharged in violation of the requirements contained in this Order.

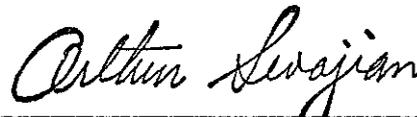
D. Provisions

1. This Order includes Items No. 1, 2, 4, 5, 6, 7, 8, 9, and 11 of the attached "Standard Provisions".
2. The discharger shall comply with the attached "Monitoring and Reporting Program No. 76-34" and future revisions thereto, as specified by the Executive Officer.
3. This Order includes the attached "General Monitoring and Reporting Provisions" and future revisions thereto, as specified by the Executive Officer.
4. This Order includes Items No. 1, 3, and 5 of the attached "Reporting Requirements".
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.

*Note: Prior to discharge, the discharger should contact the Imperial County Road Commissioner to determine what restrictions may exist regarding materials discharged.

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 Pioneer Livestock, Inc., 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 June 10, 1976.



Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 76-34 (REVISED)
FOR
PIONEER LIVESTOCK, INC.
South of Brawley - Imperial County

Location of Discharge: Dolson Drain No. 3 in the NE 1/4 Section
19, and the NW 1/4 Section 20, T14S, 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. 76-34
 FOR
 PIONEER LIVESTOCK, INC.
 South of Brawley - Imperial County

Location of Discharge: Dolson Drain No. 3 in the NE $\frac{1}{4}$ Section 19, and
 the NW $\frac{1}{4}$ Section 20, T14S, R14E, SBB&M.

EFFLUENT MONITORING

Wastewater discharged to Dolson Drain No. 3 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, a signed* 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.

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

REPORTING

The discharger shall implement the above monitoring program within 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
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

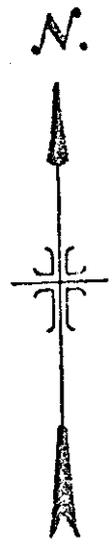
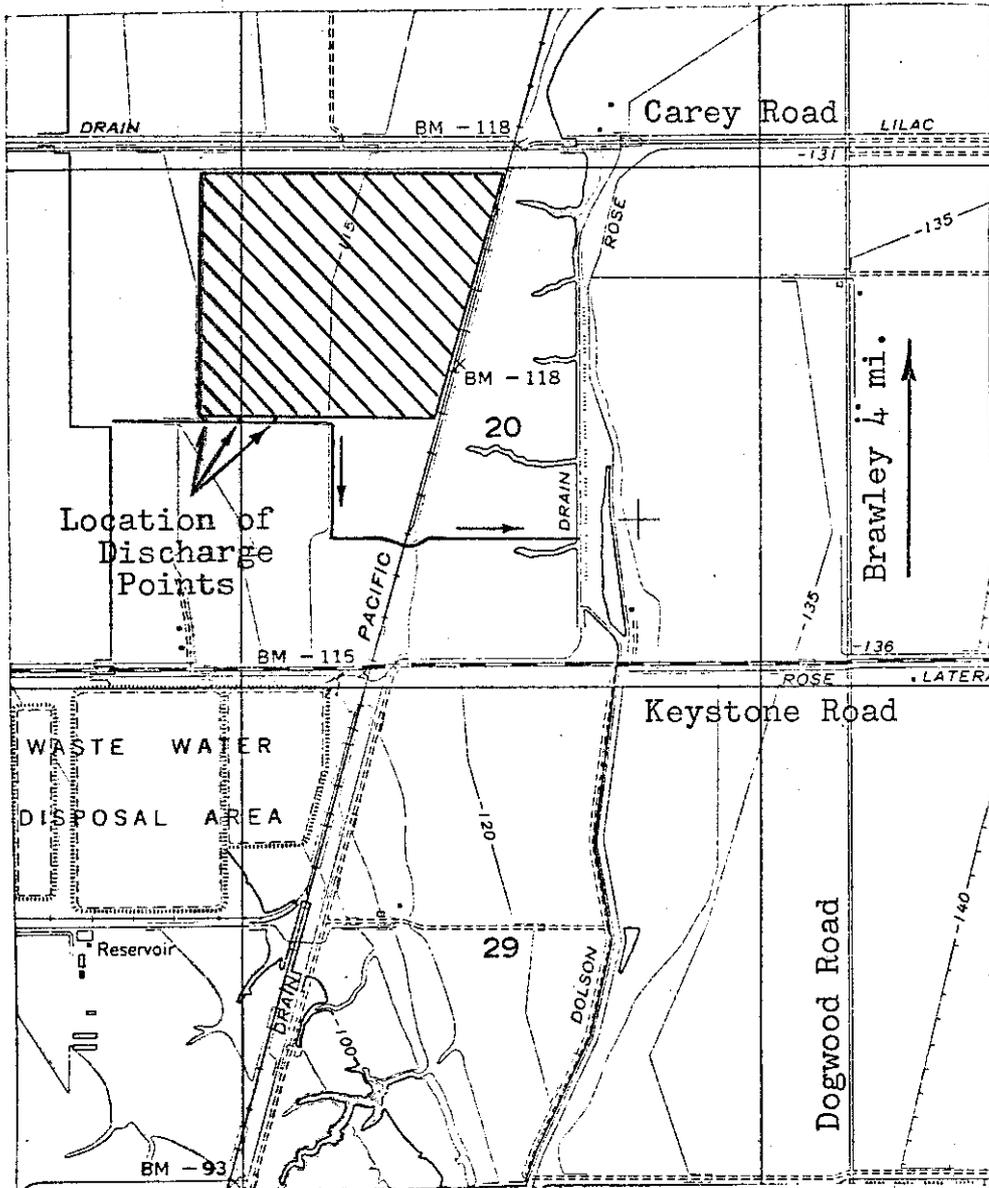
Arthur Levajian

Executive Officer

June 10, 1976

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



Scale
1" = 2000'

SITE MAP

PIONEER LIVESTOCK, INC.
South of Brawley - Imperial County

NE $\frac{1}{4}$ Section 19, and NW $\frac{1}{4}$ Section 20, T14S, R14E SBB&M

Brawley 7.5' Topographic Map

Order No. 76-34

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

GENERAL MONITORING AND REPORTING PROVISIONS

DATE: June 10, 1976

GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

Water quality analysis shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency, or as approved by the Executive Officer.

Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health. In the event a certified laboratory is not available to the discharger, analyses performed by a noncertified laboratory will be accepted for a two-year period subsequent to the adoption of these requirements provided that the laboratory has applied for certification and has also received approval from the Executive Officer.

Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record.

and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.

The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed, analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Monitoring results shall be submitted on forms provided by the Board.

Monitoring reports shall be signed by:

- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

DATE: June 10, 1976

REPORTING REQUIREMENTS

1. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
- *2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b), and 13268, California Water Code.)
- **3. The discharger shall notify the Board not later than 180 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge and appropriate filing fee.
- *4. The discharger shall notify the Board of (a) new introduction into such works of pollutants from a source which would be a

*Publicly owned facilities only

**For nonpublic facilities only

new source as defined in Section 306 of the Federal Water Pollution Control Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States, (b) new introductions of pollutants into such works from a source which would be subject to Section 301 of the Federal Water Pollution Control Act, or amendments thereto, if it were discharging such pollutants to the waters of the United States, (c) a substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted. Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the quantity and quality of effluent from such publicly owned treatment works. A substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

5. The discharger shall file with the Board a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.

**6. This Board requires the discharger to file with the Board within 90 days after the effective date of this Order, a technical report on his preventive (fail-safe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:

Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.

Evaluate the effectiveness of present facilities and procedures and state when they become operational.

Describe facilities and procedures needed for effective preventive and contingency plans.

Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.)

**For nonpublic facilities only.

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

- **7. The discharger shall submit to the Board, by January 30 of each year, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiling water treatment and which are discharged.

**For nonpublic facilities only.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

DATE: June 10, 1976

STANDARD PROVISIONS

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
2. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.
- *3. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic and pretreatment standards promulgated in accordance with Sections 204(b) 307, and 308 of the Federal Water Pollution Control Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Water Pollution Control Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.
4. The discharger shall permit the Regional Board:
 - a. Entry upon premises in which an effluent source is located or in which any required records are kept;
 - b. Access to copy any records required to be kept under terms and conditions of this Order;
 - c. Inspection of monitoring equipment or records, and
 - d. Sampling of any discharge.
5. All discharges authorized by this Order shall be consistent with the terms and conditions of this Order. The discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by this Order shall constitute a violation of the terms and conditions of this Order.

*Publicly owned facilities only.

6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.
8. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - a. Violation of any term or condition contained in this Order;
 - b. Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
9. If a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Water Pollution Control Act, or amendments thereto, for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.
10. There shall be no discharge of harmful quantities of oil or hazardous substances, as specified by regulation adopted pursuant to Section 311 of the Federal Water Pollution Control Act, or amendments thereto.
11. In the event the discharger is unable to comply with any of the conditions of this Order, due to:
 - a. breakdown of waste treatment equipment;
 - b. accidents caused by human error or negligence; or
 - c. other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.