



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Cal/EPA Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

February 15, 2008

Mr. Ron Butler
Rockview Dairies, Inc.
7011 Stewart & Gray
Downey, CA 90745

GENERAL WASTE DISCHARGE REQUIREMENTS FOR INSERTION OF OYGEN RELEASE COMPOUND INTO GROUNDWATER – ROCKVIEW DAIRIES, 205 E. CARSON STREET, CARSON, CA (FILE NO. I-10444) (ORDER NO. R4-2007-0019, SERIES NO. 045; CI NO.9364)

Dear Mr. Butler:

On August 17, 2007, your consultant, SCS Engineers, submitted an application for Waste Discharge Requirements (WDR) on your behalf for the injection of oxygen release compound (ORC) into to the groundwater to create a barrier and remediate the petroleum hydrocarbon impacted groundwater at the subject site.

Rockview Dairies (hereinafter Discharger) owns the site located at 205 E. Carson Street, Carson, in the northeast corner of Carson Street and Orrick Avenue. The site is a drive through market. The surrounding land uses are residential and commercial properties. The nearest identified sensitive population is an elementary school located at 161 E. Carson Street, within 100 feet west of the site. Groundwater was encountered in 12 monitoring wells at approximately 39 to 46 feet below ground surface. The nearest water supply well to this site is well No. 04S13W17D02S, located approximately 1,319 feet away.

In July 1992, two USTs were removed from the site. Twelve groundwater monitoring wells were installed and numerous soil borings were advanced to define the extent of petroleum hydrocarbon contamination and to characterize soil and groundwater beneath the site. The highest concentrations of TPHg, benzene, and MTBE detected in soil during these investigations were 22,000, 110, and 0.33 mg/kg, respectively. Free product is currently present in well MW-2. Periodic groundwater monitoring also recorded TPHg, benzene, and MTBE up to 382,000, 43,800, and 11,800 µg/L, respectively.

To remediate the petroleum hydrocarbon impacted groundwater beneath the site, your consultant submitted, on your behalf, a remedial action plan (RAP) dated December 2006, proposing to inject ORC through direct push rigs. ORC will be injected through an artificial barrier of injection points. The RAP also indicated that recovery of petroleum free product will continue in the well(s) that still have free product and ORC will not be injected near the well(s) with free product. On June 22, 2007, Regional Board staff approved the RAP.

We have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. R4-2007-0019, "General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel, Volatile Organic

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Mr. Ron Butler
Rockview Dairies

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February 15, 2008

Compound and/or Hexavalent Chromium Impacted Sites," adopted by this Regional Board on March 1, 2007.

Enclosed are the Waste Discharge Requirements, consisting of Regional Board Order No. R4-2007-0019, Monitoring and Reporting Program No. CI-9364, and Standard Provisions. This Waste Discharge Requirements shall not be rescinded without the regulatory oversight agency's prior approval.

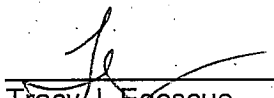
The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of enrollment under Regional Board Order No. R4-2007-0019. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, you must include a reference to Compliance File No. CI-9364, which will assure that the reports are directed to the appropriate file and staff. Do not combine other reports with the monitoring reports complying with the subject WDR. Submit each type of report as a separate document.

We are sending a copy of Order No. R4-2007-0019 only to the applicant. A copy of the Order can be downloaded at www.waterboards.ca.gov/losangeles or will be furnished upon request.

If you have any questions, please contact Mr. Rodney Nelson at (213) 620-6119. If you have any questions on the UST program, please contact Mr. Jimmie Woo at (213) 576-6698.


Sincerely,


Tracy J. Egoscue
Executive Officer

Enclosures: 1. Board Order No. R4-2007-0019
2. Monitoring and Reporting Program No. CI-9364

cc: Yvonne Shanks, SWRCB, Underground Storage Tank Cleanup Fund
Nancy Matsumoto, Water Replenishment District of Southern California
Tim Smith, Los Angeles County Department of Public Works, Environmental Programs
Division
Kenneth Lister, SCS Engineers, Inc.

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STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. CI-FOR 9364
ROCKVIEW DAIRY
(FILE NO. I-10444)(ORDER NO. R4-2007-0019, SERIES NO.045)

I. REPORTING REQUIREMENTS

- A. Rockview Dairy (hereinafter Discharger) shall implement this monitoring program on the effective date of enrollment under Regional Board Order No. R4-2007-0019.

Monitoring reports shall be received by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January – March	April 15
April – June	July 15
July – September	October 15
October – December	January 15

The first monitoring report under this Program is due by April 15, 2008.

- B. If there is no discharge during any reporting period, the report shall so state.
- C. By January 30 of each year, beginning January 30, 2009, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall explain 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 (WDRs).
- D. Each monitoring report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with WDRs. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.
- E. The Discharger shall comply with requirements contained in Section G of Order No. R4-2007-0019 "Monitoring and Reporting Requirements" in addition to the aforementioned requirements.

II. DISHCHARGE MONITORING REQUIREMENTS

The quarterly reports shall contain the following information regarding the discharge activities. If there is no discharge, during any reporting period, the report shall so state:

1. Location Map showing injection points.

2. Written summary defining:

- Depth of insertion and depth to groundwater;
- Quantity of ORC per area; and
- Total amount of ORC applied at site.

3. Groundwater monitoring wells shall not be used as ORC injection points.

4. ORC shall not be injected near free product.

III. GROUNDWATER MONITORING PROGRAM

A groundwater-monitoring program shall be designed to detect and evaluate impacts associated with the discharge activities. The monitoring program shall consist of upgradient wells MW-1 and MW-7, source wells MW-2, MW-3, MW-4, and MW-5, and downgradient wells MW-8, MW-9 and MW-12 (See Figure No. 3). These sampling stations shall not be changed and any proposed change of monitoring locations shall be identified and approved by the Regional Board Executive Officer (Executive Officer) prior to their use.

The Discharger shall conduct baseline sampling from wells MW-1, MW-2, MW-3, MW-6, MW-8, MW-9, and MW-12 one or two weeks prior to insertion of ORC and regular samplings for the duration of remediation in accordance with the following monitoring program:

<u>CONSTITUENT</u>	<u>UNITS</u> ¹	<u>TYPE OF SAMPLE</u>	<u>MINIMUM FREQUENCY OF ANALYSIS</u>
pH ²	pH units	grab	Quarterly
Temperature ²	°F	grab	Quarterly
Oxidation-reduction potential ²	millivolts	grab	Quarterly
Specific conductivity ²	µmhos/cm	grab	Quarterly
Ferrous iron	µg/L	grab	Quarterly
Dissolved Oxygen ²	µg/L	grab	Quarterly
Total petroleum hydrocarbons (as gasoline)	µg/L	grab	Quarterly
Benzene	µg/L	grab	Quarterly
Ethylbenzene	µg/L	grab	Quarterly
Toluene	µg/L	grab	Quarterly
Total xylenes	µg/L	grab	Quarterly
MTBE	µg/L	grab	Quarterly

TBA	µg/L	grab	Quarterly
TAME	µg/L	grab	Quarterly
DIPE	µg/L	grab	Quarterly
ETBE	µg/L	grab	Quarterly
Ethanol	µg/L	grab	Quarterly
Methane	µg/L	grab	Quarterly
Formaldehyde	µg/L	grab	Quarterly
Acetates	µg/L	grab	Quarterly
Total organic carbon	µg/L	grab	Quarterly
Total dissolved solids	mg/L	grab	Quarterly
Arsenic	mg/L	grab	Quarterly
Bromide	mg/L	grab	Quarterly
Sulfate	mg/l	grab	Quarterly
Chloride	mg/L	grab	Quarterly
Boron	mg/L	grab	Quarterly
Sodium	mg/L	grab	Quarterly
Carbon dioxide	mg/L	grab	Quarterly
Manganese	µg/L	grab	Quarterly
Total iron	µg/L	grab	Quarterly
Alkalinity	µg/L	grab	Quarterly
Total chromium ³	µg/L	grab	Quarterly ³
Chromium six ³	µg/L	grab	Quarterly ³

mg/L: milligrams per liter; µg/L: micrograms per liter; µmhos/cm: microohms per centimeter;
°F: degree Fahrenheit.

² Field instrument may be used to measure this parameter.

³ The Discharger is required to monitor for total chromium and chromium six in the baseline, second and fourth quarterly sampling. If detected at any of these sampling events, the total chromium and chromium six must be monitored quarterly thereafter.

All groundwater monitoring reports must include, at a minimum, the following:

- a. Well identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Quarterly observation of groundwater levels, recorded to 0.01 feet mean sea level and groundwater flow direction.

IV. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameters and locations dropped by the Executive Officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

V. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

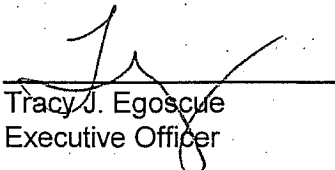
Executed on the ____ day of _____ at _____.

(Signature)

(Title)"

All records and reports submitted in compliance with this Order are public documents and will be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region, upon request by interested parties. Only proprietary information, and only at the request of the Discharger, will be treated as confidential.

Ordered by:



Tracy J. Egoscue
Executive Officer

Date: February 15, 2008

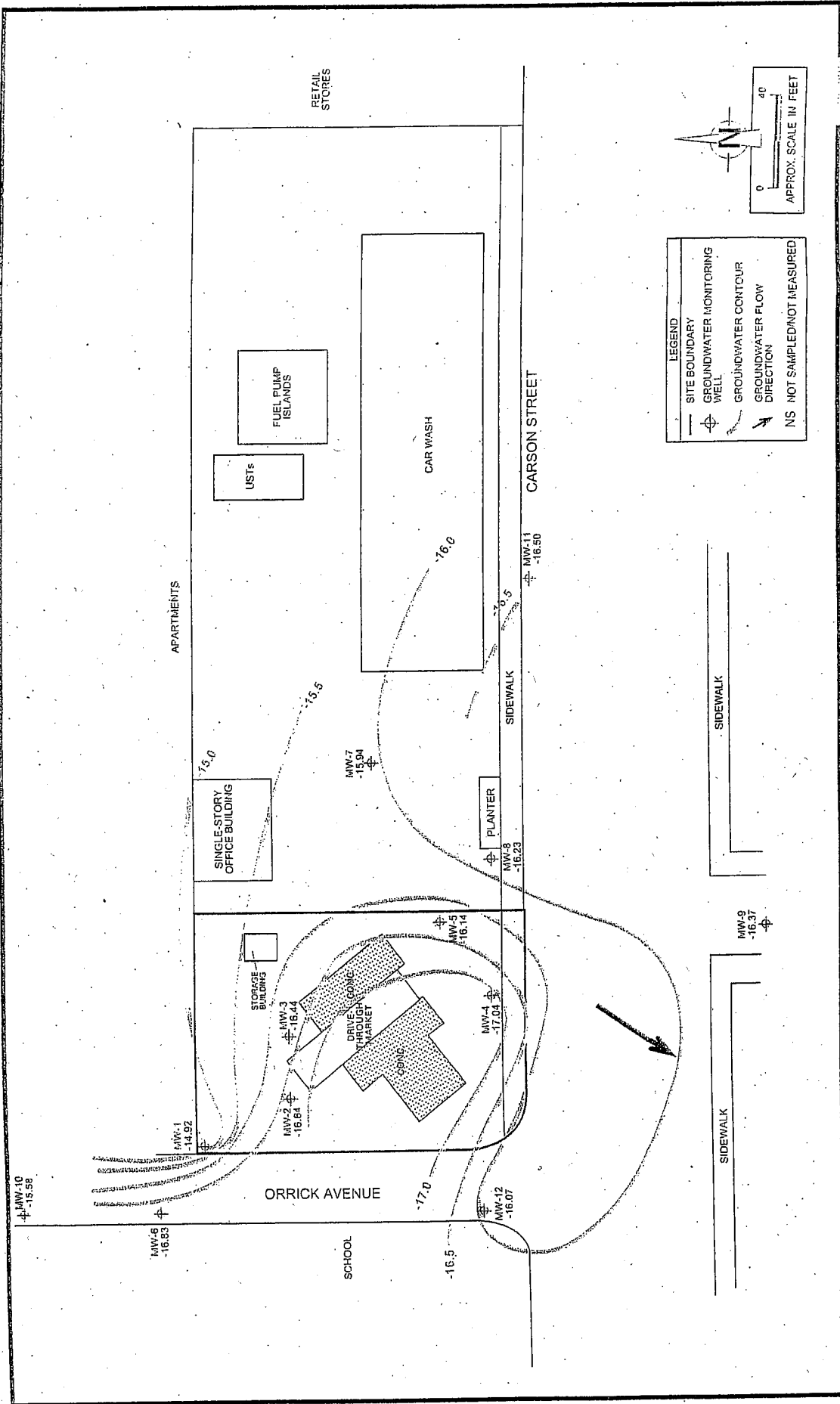


Figure 3. Site Map with Groundwater Contours, October 3, 2007, Rockview Dairy, 205 E. Carson S., Carson, CA.

Fig. 6

MW-6
0.0029

MW-1
<0.05

ORRICK AVENUE

0.1

STORAGE
BUILDING

SIN
OFFI

MW-2
FHP

MW-3
4.51

DRIVE-
THROUGH
MARKET

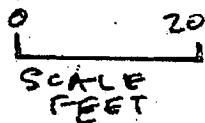
CONC.

MW-5
<0.1

MW-12
<0.1

MW-4
<0.001

MW-8
<0.001



ORC Advanced
Injection Point

205 E. Carson St., Carson (I-10444)