

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**TENTATIVE ADDENDUM NO.1
TO
ORDER NO. R9-2007-0148**

**AN ADDENDUM FOR REVISION OF DISCHARGE SPECIFICATIONS AND
EFFLUENT AND GROUNDWATER MONITORING FOR THE
CALIFORNIA DEPARTMENT OF TRANSPORTATION
TECATE TRUCK INSPECTION STATION**

The California Regional Water Quality Control Board, San Diego Region (Regional Board) finds that:

1. Order No. R9-2007-0148 prescribes waste discharge requirements for the subsurface disposal of domestic wastewater and sump water from the truck inspection bays the Tecate Truck Inspection Station (Facility) operated by the California Department of Transportation (Discharger).
2. The Facility is located at Highway Route 188, Kilometer Post 0.0/0.4 near the town of Tecate in San Diego County.
3. Order No. R9-2007-0148 established performance requirements for constituents in the groundwater. Monitoring and Reporting Program R9-2007-0148 required the development of a groundwater monitoring plan to allow for the collection of groundwater samples to verify compliance with the Order. A total of three groundwater monitoring wells were required, one well to provide background groundwater quality information and two wells to provide water quality information on groundwater that may be impacted by wastewater discharges.
4. On November 17 and 18, 2008, the Discharger attempted to drill two wells downgradient from the subsurface disposal field. Groundwater was not reached in either well and boring logs indicate artificial fill at 3 to 12 feet below ground surface and igneous rock to depths of 60 feet. Due to the local hydrogeology, the limited flow from the Facility, and the nature of the discharge, the groundwater monitoring plan described in Finding 3, above, is infeasible; therefore, monitoring of the existing water well in lieu of constructing three groundwater monitoring wells is appropriate for the Facility.
5. Due to the location and depth of the existing water well, the performance requirements are not applicable to samples collected from this well; therefore, discharge specifications need to be revised to establish requirements on the sump wastewater stream. The burden, including costs, of performing the monitoring and reporting associated with verifying compliance with the Order, determining groundwater quality, and screening the domestic wastewater stream bear a more

reasonable relationship to the need for the report and the benefits to be obtained from the report than the current Monitoring and Reporting Program.

7. This Regional Board has notified the owners and all known interested persons of the intent to prescribe an amendment to Order No. R9-2007-0148.
8. This Regional Board in a public meeting has heard and considered all comments pertaining to the proposed amendment.

IT IS HEREBY ORDERED THAT, Order No. R9-2007-0148 is modified as follows:

1. Replace Order Discharge Specification B.2:

“2. The discharge of sump wastewater shall not contain constituents with detectable concentrations of methylene blue-activated substance (MBAS), benzene, toluene, ethylbenzene, xylenes, methyl tert-butyl ether (MTBE), or naphthalene. A constituent is detected when it is measured above the laboratory’s reporting limit.”

3. Replace Monitoring and Reporting Program Discharge Monitoring B.1 with:

“1. Septic tank effluent, collected prior to discharge to the subsurface disposal leachfield infiltration system, shall be monitored in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY ^a	REPORTING FREQUENCY ^a
Flowrate ^b	Gallons/Day	Measurement	Continuous	Annually
TDS	mg/L	Grab	Semiannually	Annually
Total Nitrogen	mg/L	Grab	Semiannually	Annually

a. Annually is defined as once during a calendar year. Semiannually is defined as a period of six consecutive calendar months beginning on January 1 or July 1.

b. Flowrate to the septic tank/leach field shall be determined based on water meter usage.”

4. Replace Monitoring and Reporting Program Discharge Monitoring B.2 with:

“2. Sump wastewater from the truck inspection bays, collected after the granulated activated carbon filter and prior to mixing with septic tank effluent, shall be monitored in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY ^{a,b}	REPORTING FREQUENCY ^b	METHOD
MBAS	mg/L	Grab	Semiannually	Annually	SM 5540 C

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY ^{a,b}	REPORTING FREQUENCY ^b	METHOD
Benzene	mg/L	Grab	Semiannually	Annually	EPA 8260 B
Toluene	mg/L	Grab	Semiannually	Annually	EPA 8260 B
Ethylbenze	mg/L	Grab	Semiannually	Annually	EPA 8260 B
Xylenes	mg/L	Grab	Semiannually	Annually	EPA 8260 B
MTBE	mg/L	Grab	Semiannually	Annually	EPA 8260 B
Naphthalene	mg/L	Grab	Semiannually	Annually	EPA 8260 B

- a. The Discharger shall increase the sampling frequency from semiannually to quarterly for any noted constituent that exceeds the minimum detection limit specified by Discharge Specification B.2 of Order No. R9-2007-0148. The increased frequency of monitoring shall continue until the Discharger achieves compliance with the limitations for three consecutive periods. After compliance is achieved, the Discharger shall resume sampling at the specified frequency.
- b. Annually is defined as once during a calendar year. Semiannually is defined as once during a six consecutive calendar month period beginning January 1 or July 1. Quarterly is defined as a period of three consecutive calendar months beginning on January 1, April 1, July 1, or October 1.”

5. Add Monitoring and Reporting Program Discharge Monitoring B.3 and B.4:

- “3. Each reporting period, the discharger shall review monitoring results for compliance with Order No. R9-2007-0148 and submit a statement of compliance as part of the Monitoring and Reporting Program. The statement of compliance shall identify all violations of discharge specifications of Order No. R9-2007-0148.
4. The discharger shall establish a compliance plan that addresses continuous¹ exceedances of discharge specifications. The compliance plan shall identify the corrective actions required to achieve compliance with this order within 6 months of identification of a continuous violation(s). The compliance plan shall be implemented immediately after the Discharger identifies a continuous violation(s).

If it is anticipated compliance cannot be achieved within 6 months or if compliance is not achieved within 6 months, the Discharger shall submit a technical report identifying the steps that have been and will be taken to achieve compliance as well as a time schedule identifying when compliance will be achieved. The technical report shall be submitted to the Regional Board no later than 30 days after the Discharger becomes aware that the compliance schedule will not be met.

¹ For the purpose of this Order a continuous violation is one that exceeds discharge specifications specified in Section B of Order No. R9-2007-0148 for two consecutive reporting periods for the same constituent.”

6. Delete Monitoring and Reporting Program Groundwater Monitoring C.1, C.2 and C.3.

7. Add Monitoring and Reporting Program Groundwater Monitoring C:

“Groundwater samples shall be collected from the existing water well and on the same day as samples for septic tank effluent and sump wastewater required under provisions B.1 and B.2 of this M&RP. The discharger shall monitor the groundwater from the water well in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY ^a	REPORTING FREQUENCY ^a
Total Nitrogen (as N)	mg/L	Grab	Semiannually	Annually
Total Dissolved Solids	mg/L	Grab	Semiannually	Annually
pH	pH units	Grab	Once Every 3 Years	Once Every 3 Years
Chloride	mg/l	Grab	Once Every 3 Years	Once Every 3 Years
Sulfate	mg/l	Grab	Once Every 3 Years	Once Every 3 Years
Iron	mg/l	Grab	Once Every 3 Years	Once Every 3 Years
Manganese	mg/l	Grab	Once Every 3 Years	Once Every 3 Years
MBAS	mg/l	Grab	Once Every 3 Years	Once Every 3 Years
Boron	mg/l	Grab	Once Every 3 Years	Once Every 3 Years
Fluoride	mg/l	Grab	Once Every 3 Years	Once Every 3 Years

a. Annually is defined as once during a calendar year. Semiannually is defined as once during a six consecutive calendar month period beginning January 1 or July 1. Sampling for those constituents required to be monitoring once every 3 years shall first be completed for the 2009-2011 report period and submitted with the 2011 annual report. ”

8. Delete Monitoring and Reporting Program Groundwater Monitoring C.4 and C.5.

9. Replace Monitoring and Reporting Program Report Schedule F with:

“Monitoring reports shall be submitted to the Regional Board in accordance with the following schedule:

Reporting Frequency	Report Period	Report Due
Annual	January - December	February 1
Every 3 Years	January - December	February 1

“

I, John H. Robertus, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of the Addendum No. 1 to Order No. R9-2007-0148 issued on May 13, 2009.

[TENTATIVE]

JOHN H. ROBERTUS, Executive Officer
San Diego Regional Water Quality Control Board