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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

ORDER NO. R9-2007-0148

WASTE DISCHARGE REQUIREMENTS
FOR THE
CALIFORNIA DEPARTMENT OF TRANSPORTATION
TECATE TRUCK INSPECTION STATION

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

1. On August 16, 2006, the California Department of Transportation (hereinafter Discharger or Caltrans) submitted to this Regional Board an incomplete Report of Waste Discharge (RWD) for the subsurface disposal of domestic wastewater and sump water from the truck inspection bays at the proposed Tecate Truck Inspection Station (hereinafter Facility). The discharger submitted additional information on February 15, 2007 which completed the RWD.

2. The facility is located at Highway Route 188, Kilometer Post 0.0/0.4 near the town of Tecate in San Diego County. The proposed facility will be constructed on a 14 acre parcel and will consist of truck inspection bays and a California Highway Patrol Office Building.

3. The proposed treatment will consist of a 1,500 gallon conventional septic tank for disposal of domestic waste and a 1,000 gallon 3 cell-clarifier and granulated activated carbon (filter) for the treatment of sump water from the inspection bays. The RWD describes sump water consists of rainwater runoff and rinse water from the rinsing of the bays. Effluent from the septic tank and the GAC filter will flow to a 350-foot leach field. The GAC backwash will flow to the first cell of the 3-cell clarifier. The residue and sludge from the clarifiers will be disposed of offsite by a certified waste hauler. Projected, combined, flows are expected to be approximately 550 gallons per day.

4. Septic tank effluent from domestic wastewater typically contains high concentrations of total dissolved solids, chlorides, phosphates, total nitrogen, and pathogens. Although most can be removed to acceptable levels under optimal system operational and performance conditions, some remain in the effluent exiting the system. Consequently, subsurface disposal systems must be designed, installed, operated, maintained, and monitored so as to continually prevent pollution or contamination of waters of the State and the creation of nuisance. This includes ensuring that all the water quality objectives in the groundwater underlying the site are maintained.

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This Order requires that groundwater meet the nitrogen requirements of 10 mg/l and establishes groundwater monitoring for total nitrogen. Monitoring must be established for total nitrogen in the effluent since, in wastewaters, many forms of nitrogen exist including ammonia, organic nitrogen, nitrate, and nitrite. Also, monitoring requirements for total nitrogen are required because it is assumed that there is complete conversion from all forms of nitrogen into nitrate over time, when the effluent mixes with groundwater.

5. In February 2007, Caltrans provided the Regional Board with effluent quality data for the jump pit from another Caltrans facility, similar to the proposed facility. While the effluent had non-detectable levels for most of approximately 100 inorganic and organic constituents that analyses were conducted for, the effluent data indicated several constituents were present in the jump pit water at detectable levels below the drinking water standards. It is expected that the sump wastewater from the proposed facility will have similar effluent characteristics, and it will be necessary to implement best management practices and treatment to ensure that pollutants are not introduced to the groundwater. Periodic monitoring of sump wastewater for organic and inorganic pollutants is necessary to ensure protection of groundwater quality and beneficial uses.

6. A field investigation was conducted by Caltrans at the proposed leach field site. Three borings were drilled to depths varying from 5 to 6 meters (m) (16.4 and 19.7 feet (ft), respectively). All three borings indicated the underlying area consists of an upper layer of poorly graded sand, a middle layer of sandy silt and silty sand with occasional pebbles, and a lower layer of decomposed granitic rock. Groundwater was not encountered in any of the borings. Historical data from the Department of Water Resources (Bulleting 106-2) indicates the groundwater in the vicinity of the project site ranges from 26 to 50 ft in depth.

   Percolation tests were performed at the end of the drilling of each boring. Percolation rates ranged from 7.1 to 50.7 minutes per inch (min/in). The boring with the highest percolation (7.1 min/in) rate was selected for the location for the leach field. This site meets the conditions outlined in the Basin Plan for soils with a percolation rate of less than 15 min/in. Disposal systems with these percolation rates need to meet a minimum unsaturated soil thickness between the bottom of the leach lines and the historic high ground water table of 9 ft.

7. An onsite wastewater treatment system discharge at the Facility is subject to the federal Underground Injection Control (UIC) regulations per the federal Safe Drinking Water Act. Any septic system with the capacity to serve 20 or more persons per day or discharges of wastewater not consisting entirely of domestic wastewater are classified as an injection well under these regulations. As such, Caltrans is required to submit inventory information regarding the discharge, the disposal system, and legal responsibility for the control of the discharge to the USEPA.

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8. The USEPA's UIC Program prohibits the discharge of automotive waste to shallow injections wells such as leachfields. After submittal of the UIC inventory information by Caltrans, USEPA Region IX determined that the disposal of sump water from the inspection bays to the leachfield can be classified as a 5W20 industrial drainage well not prohibited under UIC regulations, provided that the facility complies with the Regional Board's regulations and monitoring of sump water is conducted. In order to protect beneficial uses of the groundwater in the Campo Hydrologic Area (911.80), it is necessary to ensure that inorganic and organic chemicals associated with vehicles are not being discharged in the sump wastewater into the leach field.

9. In accordance with Section 2200, Title 23 of the California Code of Regulations, the threat to water quality and complexity of the treated wastewater discharge from the treatment system is determined to be category 3B.

10. This Regional Board, acting in accordance with Section 13244 of the California Water Code, adopted the Water Quality Control Plan for the San Diego Basin (9), (hereinafter Basin Plan) on September 8, 1994. The Basin Plan was subsequently approved by the State Water Resources Control Board (SWRCB) on December 13, 1994. Subsequent revisions to the Basin Plan have also been adopted by the Board and approved by the SWRCB. The Basin Plan contains beneficial uses and water quality objectives.

11. All wastewater discharges from the proposed wastewater treatment facilities are located within the Tecate Hydrologic Subarea (HSA 911.81) of the Campo Hydrologic Area (HA 911.80) of the Tijuana Hydrologic Unit (HU 911.00).

12. The Safe Drinking Water Act of 1974 provides for a sole source aquifer program. Under this program, US EPA may designate and aquifer as a sole source if it provides more than half of the drinking water for a given area, and no other affordable sources of drinking water exist. The Tecate Truck Inspection Facility is located above the Campo/Cottonwood Creek aquifer, which has been designated as a sole source aquifer by US EPA.

13. The Basin Plan establishes the following beneficial uses for the groundwater of the Campo HA (911.80), which includes the Tecate Hydrologic Subarea (911.81):

    a. Municipal and domestic water supply
    b. Agricultural supply
    c. Industrial service supply

14. The Basin Plan establishes the following beneficial uses for the surface waters of the Campo HA (911.80), which includes the Tecate HAS (911.81):

    a. Contact water recreation
    b. Non-contact water recreation

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c. Warm fresh water habitat
d. Wildlife habitat

15. The Basin Plan states that waters designated for use as domestic or municipal supply shall not contain concentrations of chemical constituents in excess of the maximum contaminant levels specified in the California Code of Regulations, Title 22, Table 64431-A of Section 64431 (Inorganic Chemicals), Table 64431-B of Section 64431 (Fluoride), Table 64444-A of Section 64444 (Organic Chemicals), and, Table 64449-A of Section 64449 (Secondary Maximum Contaminant Levels, Consumer Acceptance Limits), incorporated by reference, including future changes to the incorporated provisions as the changes take effect.

16. The Basin Plan establishes the following ground water quality objectives for the Campo HA (911.80), which includes the Tecate HSA (911.81):

BASIN PLAN GROUNDWATER WATER QUALITY OBJECTIVES (mg/L or as noted)													
(Concentrations not to be exceeded more than 10% of the time during any one year period)													
HYDROLOGIC AREA	TDS	Cl	SO_4	%Na	*NO_3	Fe	Mn	MBAS	B	ODOR	TURB (NTU)	COLOR (UNITS)	F
Campo Hydrologic Area 911.80	500	250	250	60	45	0.3	0.05	0.5	0.75	None	5	15	1

* Nitrate concentrations are expressed either as concentration of NO_3 or concentration of N. Concentrations expressed as NO_3 are 4.5 times those expressed as N; thus the water quality objective of 45 as NO_3 corresponds to a value of 10 as N.

17. A discharge in compliance with this Order will be consistent with the standards, policies, and regulations established in the Basin Plan for the achievement of water quality objectives.

18. In establishing the effluent limits contained herein the Regional Board considered water quality data supplied in the RWD to ensure that groundwater would not exceed Basin Plan water quality objectives beyond the limits of the disposal area property.

19. In establishing the requirements contained herein the Regional Board considered factors including, but not limited to, the following:

a. Beneficial uses to be protected and the water quality objectives reasonably required for that purpose,
b. Other waste discharges,
c. The need to prevent nuisance,
d. Past, present, and probable future beneficial uses of the hydrologic subunits under consideration,

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e. Environmental characteristics of the hydrologic subunits under consideration,
f. Water quality conditions that could reasonably be achieved through the coordinated control of all factors that affect water quality in the area,
g. Economic considerations,

20. Caltrans adopted a mitigated negative declaration on November 30, 2005 for the inspection station pursuant to the provisions of the California Environmental Quality Act (CEQA). The mitigated negative declaration identified that the project will have no significant effect on water quality.

21. This Regional Board has considered all water resource related environmental factors associated with the proposed discharge of waste described in this Order.

22. This Regional Board has notified the discharger and all known interested parties of the intent to prescribe waste discharge requirements for the discharge of waste described in this Order.

23. This Regional Board in a public meeting has heard and considered all comments pertaining to the proposed discharge of waste from the Tecate Truck Inspection Station.

IT IS HEREBY ORDERED THAT, the California Department of Transportation (hereinafter Discharger or Caltrans), in order to meet the provisions contained in Division 7 of the California Water Code and Regulations adopted thereunder, shall comply with the following requirements, for the discharge of waste from the Tecate Truck Inspection Station (hereinafter Facility) septic tank and leach field to the Campo Hydrologic Area (911.80).

A. PROHIBITIONS

1. Discharge of wastes or sewage sludge or solids to lands that have not been specifically described in the RWD and for which valid waste discharge requirements are not in force are prohibited.

2. Discharges of treated or untreated solid or liquid waste to a navigable water or tributary of a navigable water are prohibited unless authorized by an NPDES permit issued by this Regional Board.

3. Neither the treatment, storage nor disposal of waste shall create a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code.

4. The discharge of treated wastewater shall not cause a violation of the prohibitions contained in the Basin Plan.

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5. There shall be no discharge of sewage solids at the disposal site.

6. There shall be no surfacing of discharged effluent.

7. There shall be no ponding of discharged effluent or surface flow of effluent away from the disposal area.

8. All injection wells are prohibited from disposing of fluids in a manner that may endanger underground sources of drinking water (40 CFR part 144.12).

9. Total effluent flow to the subsurface disposal leach field infiltration system in excess of 550 gallons per day is prohibited unless the discharger obtains revised waste discharge requirements for the proposed increase in flow.

10. The discharge of waste in any manner other than as described in the findings of this order is prohibited unless the discharger obtains revised waste discharge requirements that provide for the proposed change.

B. DISCHARGE SPECIFICATIONS

1. The discharge to the subsurface disposal system at the facility shall only consist of domestic wastewater and sump water from the truck inspection bays.

2. Groundwater downgradient of the leach field shall not contain constituents in excess of the following performance requirements:

Constituent	Unit	12-month[1] Average	Daily[2] Maximum
pH	pH units	Between 6.0 and 9.0 at all times	
Total Dissolved Solids (TDS)	mg/L	450.	750.
Sulfate	mg/L	225.	375.
Total Nitrogen (as N)	mg/L	9.	15.
Methylene Blue Activate Substances (MBAS)	mg/l	0.45	0.75
Boron	mg/l	1.	1.5

[1] The 12-month average performance requirement shall apply to the arithmetic mean of the results of all samples collected during any 12 consecutive calendar month period.

[2] The daily maximum performance requirement shall apply to the results of a single composite or grab sample collected from representative downgradient groundwater monitoring wells during one calendar day period.

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3. All wastewater treatment and disposal facilities shall be maintained to remain effective in treating wastewater.

4. No part of the subsurface disposal system shall be closer than 150 feet to any water supply well or closer than 100 feet to any stream, channel, or other water source.

C. FACILITY DESIGN AND OPERATION SPECIFICATIONS PROPER OPERATION

1. CERTIFICATION REPORT

Any new or additional wastewater treatment and disposal facilities shall be completely constructed and operable prior to the initiation of the discharge or expansion of discharge. A report from the design engineer certifying the adequacy of each component of the treatment, storage, and disposal facilities shall be submitted by the discharger shall be submitted by the discharger prior to commencement of the discharge. The certification report shall also contain an operation and maintenance manual for the wastewater treatment facilities. The design engineer shall affix their signature and engineering license number to the certification report and should submit it prior to construction of the facilities. Prior to initiation of the discharge, the following requirements shall be met:

a. The certification report is received and approved by the Regional Board Executive Officer,

b. The Regional Board has been notified of the completion of facilities by the discharger,

c. An inspection of the facilities has been made by staff of the Regional Board, and

d. The Regional Board notifies the discharger by letter that discharge can be initiated.

2. PROPER OPERATION

The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary

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facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.

3. OPERATION MANUAL

A copy of the facility operations manual shall be maintained at the discharger's facility and shall be available to operation personnel and Regional Board staff at all times.

4. FLOOD PROTECTION

All waste treatment, storage and disposal facilities shall be protected against 100-year peak stream flows as defined by the San Diego County flood control agency.

5. RUNOFF PROTECTION

All wastewater storage facilities shall be protected against erosion, overland runoff, and other impacts resulting from a 100-year, 24-hour frequency storm.

D. BIOSOLIDS SPECIFICATIONS

1. Management of all solids and sludge must comply with all applicable requirements of 40 CFR Parts 257, 258, 501 and 503; CWA Part 405(d), and Title 27, CCR, including all monitoring, record keeping and reporting requirements. If the permittee discharges sludge/septage to another treatment facility for further treatment, the receiving facility must be in compliance with the above-cited CWA 405(d) requirements. Since the State of California, hence the State and Regional Boards, has not been delegated the authority by the USEPA to implement the sludge program, enforcement of sludge requirements of CFR Part 503 is under USEPA's jurisdiction. Once sludge leaves a facility, it is subject to all applicable local, state and federal laws and regulations.

2. All collected screenings, sludges, and other solids removed from liquid wastes must be disposed of in a municipal solid waste landfill, reused by land application, or disposed of in a sludge-only landfill accordance with 40 CFR Parts 503 and 258, and Title 27 CCR, or discharged to another treatment facility that uses on of these use or disposal methods. If the discharger desires to dispose of solids or sludge by a different method, a request for permit modification must be submitted to the USEPA and this Regional Board 180 days prior to the initiation of the alternative disposal.

3. Solids and sludge storage shall not create a nuisance, such as objectionable odors or flies, and shall not result in groundwater contamination.

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E. STANDARD PROVISIONS

1. DUTY TO COMPLY

The discharger must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for (a) enforcement action; (b) termination, revocation and reissuance, or modification of this Order; or (c) denial of a report of waste discharge in application for new or revised waste discharge requirements.

2. ENTRY AND INSPECTION

The discharger shall allow the Regional Board, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to do the following:

a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this Order,

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order,

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this Order, and

d. Sample or monitor, at reasonable times for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

3. MONITORING AND REPORTING

The discharger shall comply with the attached Monitoring and Reporting Program No. R9-2007-0148, and future revisions thereto as specified by the Executive Officer. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. R9-2007-0148.

4. CIVIL MONETARY REMEDIES

The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this Regional Board shall be liable civilly in accordance with California Water Code section 13350 (d), (e), or (f).

5. PENALTIES FOR INVESTIGATION, MONITORING OR INSPECTION VIOLATIONS

The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor and is subject to a civil liability in accordance with CWC Section 13268.

6. ENDANGERMENT OF HEALTH AND ENVIRONMENT

The discharger shall report any noncompliance that may endanger health or the environment. Any such information shall be provided orally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the Executive Officer within 24 hours:

a. Any bypass from any portion of the treatment facility. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility to other than a sewer system.

b. Any treatment facility upset that causes the performance requirements of this Order to be exceeded. These incidents shall also be reported orally to the State DHS and County DEH within 24-hours of the incident.

7. CORRECTIVE ACTION

The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.

8. TREATMENT FAILURE

In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain

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compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies for example, when the primary source of power of the treatment facility is failed, reduced, or lost.

9. HAZARDOUS RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Director of Environmental Health Services, County of San Diego in accordance with California Health and Safety Code section 5411.5 and the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of section 13271 of the Water Code unless the discharger is in violation of a prohibition in the applicable Water Quality Control Plan.

10. PETROLEUM RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Article 3.5 (commencing with section 8574.1) of Chapter 7 of Division 1 of Title 2 of the Government Code. This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Section 311 of the Clean Water Act or the discharge is in violation of a prohibition in the applicable Water Quality Control Plan.

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11. PERMIT REPOSITORY

A copy of this Order shall be maintained at the discharger's facility and shall be available to operating personnel at all times.

12. RETENTION OF RECORDS

The discharger shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this Order, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

13. GENERAL REPORTING REQUIREMENT

The discharger shall furnish to the Executive Officer of this Regional Board, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Executive Officer, upon request, copies of records required to be kept by this Order.

14. PERMIT REVISION

This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

a. Violation of any terms or conditions of 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.

The filing of a request by the discharger for the modification, revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

15. CHANGE IN DISCHARGE

The discharger shall file a new Report of Waste Discharge at least 120 days prior to the following:

a. Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the wastes.

b. Significant change in the treatment or disposal method (e.g., change in the method of treatment which would significantly alter the nature of the waste).

c. Change in the disposal area from that described in the findings of this Order.

d. Increase in flow beyond that specified in this Order.

e. Other circumstances that result in a material change in character, amount, or location of the waste discharge.

f. Any planned change in the regulated facility or activity that may result in noncompliance with this Order.

16. CHANGE IN OWNERSHIP

This Order is not transferable to any person except after notice to the Executive Officer. The discharger shall submit this notice in writing by submitting a Change of Ownership form (Attachment A) at least 30 days in advance of any proposed transfer. The notice includes a written agreement between the existing and new discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement includes an acknowledgement that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the discharger and incorporate such other requirements as may be necessary under the California Water Code.

17. INCOMPLETE REPORTS

Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information.

18. REPORT DECLARATION

All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:

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a. The Report of Waste Discharge and Change of Ownership shall be signed as follows:

1. For a corporation - by a principal Executive Officer of at least the level of Vice-President.

2. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.

3. For a municipality, state, federal or other public agency - by either a principal Executive Officer or ranking elected official.

b. All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph (a) of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if all of the following are true:

1. The authorization is made in writing by a person described in paragraph (a) of this provision,

2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, and

3. The written authorization is submitted to the Executive Officer.

c. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 fine and imprisonment for knowing violations."

19. <u>REGIONAL BOARD ADDRESS</u>

The discharger shall submit reports required under this Order or other information required by the Executive Officer to the following address:

Southern Core Regulatory Unit
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123

F. SPECIAL PROVISIONS

1. Sufficient land area shall be reserved for possible future 100 percent replacement of the disposal areas.

2. Adequate measures shall be taken to assure that unauthorized persons are effectively excluded from contact with the wastewater.

3. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.

G. NOTIFICATIONS

1. VESTED RIGHTS

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from liability under federal, state or local laws, nor create a vested right for the discharger to continue the waste discharge.

2. U.S. EPA REVIEW

These requirements have been reviewed by the United States Environmental Protection Agency, Ground Water Office. However, these requirements are not issued pursuant to section 402 of the Clean Water Act.

3. SEVERABILITY

The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

4. EFFECTIVE DATE

This Order becomes effective on the date of adoption by the San Diego Regional Board.

I, John H. Robertus, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of Order No. R9-2007-0148 adopted by the California Regional Water Quality Control Board, San Diego Region, on December 12, 2007.

JOHN H. ROBERTUS
Executive Officer

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONITORING AND REPORTING PROGRAM NO. R9-2007-0148
FOR THE
CALIFORNIA DEPARTMENT OF TRANSPORTATION
TECATE TRUCK INSPECTION STATION

A. MONITORING PROVISIONS

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this Monitoring and Reporting Program (M&RP) and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.

2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than +10 percent from true discharge rates throughout the range of expected discharge volumes.

3. Monitoring must be conducted according to United States Environmental Protection Agency (USEPA) test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this M&RP.

4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.

5. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.

6. If the discharger monitors any pollutants more frequently than required by this M&RP, using test procedures approved under 40 CFR, Part 136, or as specified in this M&RP, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.

7. The discharger shall retain records of all monitoring information, including all calibration and maintenance records and copies of all reports required by this M&RP, and records of all data used to complete the application for this M&RP. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

8. Records of monitoring information shall include the following:
   a. The date, exact place, and time of sampling or measurements,
   b. The individual(s) who performed the sampling or measurements,
   c. The date(s) analyses were performed,
   d. The individual(s) who performed the analyses,
   e. The analytical techniques or method used, and
   f. The results of such analyses.

9. All monitoring instruments and devices that are used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.

10. The discharger shall report all instances of noncompliance not reported under Standard Provision E.6 of Order No. R9-2007-0148 at the time monitoring reports are submitted. The reports shall contain the information described in Provision E.6.

11. The monitoring reports shall be signed by an authorized person as required by Standard Provision E.17. To ensure that only authorized person are signing reports and other documents, the discharger shall submit to this Regional Board, within 30 days of adoption of this Order, a list of persons authorized to sign documents submitted to the Regional Board.

12. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.

B. DISCHARGE MONITORING

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[1,2,3]	REPORTING FREQUENCY[1,2,3]
Flowrate	Gallons/Day	Measurement	Continuous	Semiannually
pH	Units	Grab	June, December	Semiannually
Nitrate (as N)	mg/L	Grab	June, December	Semiannually
Nitrite (as N)	mg/L	Grab	June, December	Semiannually
Kjeldahl Nitrogen (as N)	mg/L	Grab	June, December	Semiannually
Total Nitrogen (as N)	mg/L	Grab	June, December	Semiannually
Total Dissolved Solids	mg/l	Grab	June, December	Semiannually
Sulfate	mg/l	Grab	June, December	Semiannually
MBAS	mg/l	Grab	June, December	Semiannually
Boron	mg/l	Grab	June, December	Semiannually
Chloride	mg/l	Grab	June, December	Semiannually
Flouride	mg/l	Grab	June, December	Semiannually
Iron	mg/l	Grab	June, December	Semiannually
Total Coliform	MPN	Grab	June, December	Semiannually

Notes: mg/L = milligrams per liter

1 June and December means at least once during each of those months. Semiannually is defined as once during a six consecutive calendar month period beginning January 1 or July 1. Annually is defined as once during a calendar year.

2 If there are no impacts to groundwater quality, semiannual monitoring may be reduced to annually two years after the first series of sampling. Annual reports shall be submitted in accordance with Section F of the M&RP.

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

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[1,2]	REPORTING FREQUENCY[1,2]
Total Dissolved Solids	Units	Grab	June, December	Semiannually
MBAS	mg/l	Grab	June, December	Semiannually
BTEX	mg/l	Grab	June, December	Semiannually
MTBE	mg/l	Grab	June, December	Semiannually

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY[1,2]	REPORTING FREQUENCY[1,2]
Naphthalene	mg/l	Grab	June, December	Semiannually
Total Petroleum Hydrocarbons (TPH)	mg/l	Grab	June, December	Semiannually

1. Constituents detected at or above the maximum contaminant levels specified in the California Code of Regulations, Title 22, Section 64431 (for Inorganic Chemicals) and Section 64444 (for Organic Chemicals) after conducting the December 2008 monitoring shall continue to be monitored annually in June.

2. June and December means at least once during each of those months. Semiannually is defined as once during a six consecutive calendar month period beginning January 1 or July 1.

C. GROUNDWATER MONITORING

1. Within 180 days of the adoption of this Order by the Regional Board, the discharger shall submit to the Regional Board for review and approval a groundwater monitoring plan to monitor the groundwater in the vicinity of the disposal area to determine if the discharge of treated waste is affecting groundwater quality and to verify compliance with the Basin Plan water quality objectives. The groundwater monitoring plan shall be developed in accordance with M&R Provisions C.2 and C.3 below and certified by a geologist or hydrogeologist registered with the State of California. Groundwater monitoring and reporting in accordance with the groundwater monitoring plan shall begin no later June 2008.

2. Monitoring wells shall be constructed to allow collection of groundwater samples for water quality analysis from the top five feet of the first groundwater encountered, to a depth of at least ten feet below the water table at the time of well boring, with an appropriate screen interval, and located at a minimum of three locations that meet the following criteria:

   a. A groundwater monitoring well located between 50 feet and 500 feet upgradient from the subsurface disposal field to provide background groundwater quality information prior to any possible impact from wastewater discharges.

   b. Two representative groundwater monitoring wells located between 50 feet and 500 feet downgradient from the subsurface disposal field to provide water quality information in groundwater that may be impacted by wastewater discharges.

   c. The groundwater monitoring wells shall also be located to allow the determination of groundwater flow direction.

3. Groundwater samples shall be collected on the same day as the septic tank effluent samples required under provision B.1 of this M&RP from all monitoring wells approved by the Regional Board in accordance with the M&RP Provisions C.1 and C.2. The discharger shall monitor the groundwater from the monitoring wells in accordance with the following criteria:

CONSTITUENT	UNIT	TYPE OF SAMPLE	SAMPLING FREQUENCY[1,2,3]	REPORTING FREQUENCY[1,2,3]
pH	pH units	Grab	June, December	Semiannual
Nitrate (as NO_3)	mg/L	Grab	June, December	Semiannual
Nitrite (as NO_2)	mg/L	Grab	June, December	Semiannual
Kjeldahl Nitrogen (as N)	mg/L	Grab	June, December	Semiannual
Total Nitrogen (as N)	mg/L	Grab	June, December	Semiannual
Total Dissolved Solids	mg/L	Grab	June, December	Semiannual
Chloride	mg/l	Grab	June	Annually
Sulfate	mg/l	Grab	June	Annually
Iron	mg/l	Grab	June	Annually
Manganese	mg/l	Grab	June	Annually
MBAS	mg/l	Grab	June	Annually
Boron	mg/l	Grab	June	Annually
Fluoride	mg/l	Grab	June	Annually
Benzene	mg/l	Grab	June	Annually
Toluene	mg/l	Grab	June	Annually
Ethylbenzene	mg/l	Grab	June	Annually
Xylene	mg/l	Grab	June	Annually
Total and Fecal Coliform	MPN	Grab	June, December	Semiannually

Notes: mg/L = milligrams per liter
MPN = Most Probable Number

1 June and December means at least once during each of those months. Semiannually is defined as once during a six consecutive calendar month period beginning January 1 or July 1. Annually is defined as once during a calendar year.

2 The Discharger shall increase the sampling frequency from semiannually to quarterly, and from annually to semiannually for any noted constituent that exceeds the performance requirements specified in Order No. R9-2007-0148. The increased frequency of monitoring shall continue until the discharger achieves compliance for two consecutive sampling events. After compliance is achieved, the Discharger shall resume sampling at the specified frequency.

3 *If there are no impact to groundwater quality, semiannual monitoring may be reduced to annually* five years after the first series of sampling. Annual reports shall be submitted in accordance with Section F of the M&RP.

4. 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 Performance Requirements of Order No. R9-2007-0148.

   The Discharger shall calculate and report all 12-month averages for comparison with the Discharge Specifications.

5. The discharger shall establish a compliance plan that addresses continuous[1] exceedances of performance requirements. 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.

D. MAINTENANCE AND INSPECTION

1. The discharger shall monitor the septic tanks and report the results described below:

PARAMETER	UNIT	TYPE OF MEASUREMENT	MINIMUM INSPECTION FREQUENCY	REPORTING FREQUENCY
Sludge depth and scum thickness in each compartment of each septic tank	Feet	Staff Gauge	Annually	Annually
Distance between the bottom of the scum layer and bottom of outlet device	Inches	Staff Gauge	Annually	Annually
Distance between the top pf sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually	Annually

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

E. SEWAGE SOLIDS AND BIOSOLIDS

1. A record of the type, quantity, manner, and location of disposal of all solids removed in the course of sewage treatment shall be maintained by the discharger and be submitted to the Regional Board annually.

2. A biosolids certification, certifying that the disposal of biosolids complies with existing Federal and State laws and regulations, including permitting requirements and technical standards included in 40 CFR 503 shall be submitted annually.

F. REPORT SCHEDULE

Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

Reporting Frequency	Report Period	Report Due
Semiannual	January – June July-December	August 1 February 1
Annual	January-December	February 1

Monitoring reports shall be submitted to:

ATTN: **Southern Core Regulatory Unit**
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123

Ordered by: John H. Robertus
JOHN H. ROBERTUS
Executive Officer
December 12, 2007