



## Central Valley Regional Water Quality Control Board

28 March 2019

Shari Bender Ehlert, District Director  
California Department of Transportation  
1352 West Olive Avenue  
Fresno, California 93778

**CERTIFIED MAIL**  
**7018 0040 0000 1911 9928**

**NOTICE OF APPLICABILITY (NOA), STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ-R5296, GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS, CALIFORNIA DEPARTMENT OF TRANSPORTATION, C. H. WARLOW SAFETY ROADSIDE REST AREA, ONSITE WASTEWATER TREATMENT SYSTEM, TULARE COUNTY**

On 1 February 2018 the California Department of Transportation (Discharger) submitted a Report of Waste Discharge (RWD) for the C. H. Warlow Safety Roadside Rest Area (Warlow Rest Area) onsite wastewater treatment system (OWTS or Facility) requesting coverage under the State Water Resources Control Board (State Water Board) Water Quality Order 2014-0153-DWQ *General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems* (General Order). On 25 February 2019, the Discharger submitted a completed and signed Form 200 for the Warlow Rest Area. Based on the information provided and a review of the available information, the Facility treats and disposes of less than 100,000 gallons of domestic wastewater per day and is therefore eligible for coverage under the General Order. This letter serves as formal notice that the General Order is applicable to your system and the wastewater discharge described. You are hereby assigned General Order **2014-0153-DWQ-R5296** for your system.

You should familiarize yourself with the entire General Order and its attachments enclosed with this letter, which describe mandatory discharge and monitoring requirements. Sampling, monitoring, and reporting requirements applicable to your treatment and disposal methods must be completed in accordance with the appropriate treatment system sections of the General Order and the attached *Monitoring and Reporting Program* (MRP) No. 2014-0153-DWQ-R5296. This MRP was developed after consideration of your waste characterization and site conditions described in the attached memorandum.

### DISCHARGE DESCRIPTION

The Discharger owns and operates the Warlow Rest Area and the associated OWTS. The Warlow Rest Area is on the east side of Highway 99 (Post Mile Marker 52) about 2.5 miles south of Kingsburg in Tulare County. The Warlow Rest Area is in Section 31, Township 16 South, Range 32 East, Mount Diablo Base and Meridian. The Warlow Rest Area was constructed in 1967, updated in 1985, and provides a comfort station to the traveling public.

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Domestic wastewater from toilets and urinals is discharged into two 4,500-gallon capacity (total capacity of 9,000 gallons) septic tanks, from which wastewater is discharged into a leach field with 750 linear feet of leach field trench. Each leach field lateral has an inspection port for monitoring wastewater depth in the leach field trenches. The February 2018 RWD indicates the rate of wastewater flow was determined by estimating traffic volumes and expected usage. The average design flow rates are reported to be 6,000 gallons per day. The February 2018 RWD estimates the wastewater quality at the Warlow Rest Area is similar to the septic tank influent quality listed in Table 1 of the General Order

**FACILITY SPECIFIC REQUIREMENTS AND EFFLUENT LIMITATIONS**

The Discharger will maintain exclusive control over the discharge and shall comply with the terms and conditions of this NOA, General Order 2014-0153-DWQ-R5296, with all attachments, and MRP No. 2014-0153-DWQ-R5296.

In accordance with Section B.1 of the General Order, treated wastewater discharged to the leach field system shall not exceed a **monthly average daily discharge of 6,000 gpd**. In accordance with the requirements of the General Order this NOA does not specify a nitrogen effluent limitation since the Facility flow rate is less than 20,000 gpd.

The General Order states in Section B.1 that the Discharger shall comply with the setbacks as described in Table 3 of the General Order. This table summarizes different setback requirements for wastewater treatment system equipment, activities, land application areas, and storage and/or treatment ponds from sensitive receptors and property lines where applicable. The Discharger shall comply with the applicable setback requirements, as summarized in the following table:

<b>Site-Specific Applicable Setback Requirements</b>				
<b>Equipment or Activity</b>	<b>Domestic Well</b>	<b>Flowing Stream<sup>1</sup></b>	<b>Ephemeral Stream Drainage<sup>2</sup></b>	<b>Property Line</b>
Septic Tank, Treatment System, or Collection System <sup>3</sup>	150 ft. <sup>4</sup>	50 ft. <sup>5</sup>	50 ft.	5 ft. <sup>5</sup>
Leach Field	100 ft. <sup>5,6</sup>	100 ft. <sup>5</sup>	50 ft.	5 ft. <sup>5</sup>

1. A flowing stream shall be measured from the ordinary high-water mark established by fluctuations of water elevation and indicated by characteristics such as shelving, changes in soil character, vegetation type, presence of litter or debris, or other appropriate means.
2. Ephemeral Stream Drainage denotes a surface water drainage feature that flows only after rain or snow-melt and does not have sufficient groundwater seepage (baseflow) to maintain a condition of flowing surface water. The drainage shall be measured from a line that defines the limit of the ordinary high-water mark (described in "a" above). Irrigation canals are not considered ephemeral streams drainage
3. Septic Tank, Treatment System, or Collection System addresses equipment located below ground or that impedes leak detection by routine visual inspection
4. Setback established by Onsite Wastewater Treatment System Policy, section 7.5.6.
5. Setback established by California Plumbing Code, Table K-1.
6. California Well Standards, part II, section 8.

The Discharger shall comply with the septic system requirements in Section B.2 of the General Order. The General Order states in Section B.2.d that septic tanks shall be pumped when any of the following conditions exist:

- i. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment.
- ii. The scum layer is within 3 inches of the outlet device.
- iii. The sludge layer is within 8 inches of the outlet device.

The Discharger shall comply with the subsurface disposal system requirements in Section B.6 of the General Order. Section B.6.g requires the following with regards to Underground Injection Control requirements:

- g. Subsurface disposal systems including leach fields and seepage pits, must comply with USEPA Underground Injection Control requirements when classified as a Class V well. Subsurface disposal systems with at least one of the following characteristics are classified as Class V wells:
  - i. The system has the capacity to serve 20 or more persons per day.
  - ii. The system receives wastewater other than domestic wastewater such as that generated by manufacturing, chemical processing, industrial fluid disposal, automotive repair, or recycling.
  - iii. The system receives sewage containing biological agents (such as wastewater from recreational vehicles or portable toilets).

Disposal systems that are classified as Class V wells must be registered with USEPA either by completing the online form at: <http://www.epa.gov/region09/water/groundwater/injection-wells-register.html> or by completing and submitting Form 7520-16: Inventory of Injection Wells. Form 7520-16 is available at: <http://epa.gov/region09/water/groundwater/uic-pdfs/7520-16.pdf>.

Provision E.1 of the General Order requires dischargers enrolled under the General Order to prepare and implement the following reports within **90 days** of the issuance of the NOA (**26 June 2019**):

- Spill Prevention and Emergency Response Plan (Provision E.1.a.).
- Sampling and Analysis Plan (Provision E.1.b).

A copy of the Spill Prevention and Emergency Response Plan and the Sampling and Analysis Plan shall be maintained at the treatment facility and shall be presented to the Regional Water Board staff upon request.

Failure to comply with the requirements in this NOA, General Order 2014-0153-DWQ-R5296, with all attachments, and MRP No. 2014-0153-DWQ-R5296 could result in an enforcement action as authorized by provisions of the California Water Code. Discharge of wastes other than those described in this NOA is prohibited. If the method of waste disposal changes from that described in this NOA, you must submit a new Report of Waste Discharge describing the new operation.

The Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) adopted Basin Plan amendments incorporating new programs for addressing ongoing salt and nitrate accumulation in the Central Valley at its 31 May 2018 Board Meeting. These programs,

once effective, could change how the Central Valley Water Board permits discharges of salt and nitrate.

The required annual fee specified in the annual billing from the State Water Board shall be paid until this NOA is officially terminated. You must notify this office in writing if the discharge regulated by the General Order ceases, so that we may terminate coverage and avoid unnecessary billing.

The Central Valley Water Board has gone to a Paperless Office System. All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: [centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov). Documents that are 50MB or larger should be transferred to a disk and mailed to the Central Valley Water Board office at 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office:

Program: Non-15, WDID: 5C54NC00296,  
Facility Name: C. H. Warlow Safety Roadside Rest Area OWTS,  
Order-2014-0153-DWQ-R5296.

In order to conserve paper and reduce mailing costs, a paper copy of the General Order has been sent only to the Discharger. Others are advised that the General Order is available on the State Water Board's web site at:

[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2014/wqo2014\\_0153\\_dwq.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf)

If you have any questions regarding this matter, please contact Jeff Pyle by phone at (559) 445-5145, by email at [jpyle@waterboards.ca.gov](mailto:jpyle@waterboards.ca.gov).

*Original signed by Clay Rodgers for*

Patrick Pulupa  
Executive Officer

Attachments: Attachment A – Site Location Map  
Monitoring and Reporting Program No. 2014-0153-DWQ-R5296  
Technical Memorandum for California department of Transportation, C. H.  
Warlow Roadside Safety Rest Area  
State Water Resources Control Board Order WQ 2014-0153-DWQ  
(Discharger Only)

cc: Tulare County Environmental Health Division, 5957 S. Mooney Boulevard, Visalia,  
California

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. 2014-0153-DWQ-R5296

FOR

CALIFORNIA DEPARTMENT OF TRANSPORTATION  
C. H. WARLOW SAFETY ROADSIDE REST AREA  
ONSITE WASTEWATER TREATMENT SYSTEM  
TULARE COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring a wastewater treatment system. This MRP is issued pursuant to Water Code section 13267. The California Department of Transportation (Discharger) shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) or Executive Officer.

Water Code section 13267 states, in part:

“In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.”

Water Code section 13268 states, in part:

“(a) Any person failing or refusing to furnish technical or monitoring program reports as required by subdivision (b) of section 13267, or failing or refusing to furnish a statement of compliance as required by subdivision (b) of section 13399.2, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in accordance with subdivision (b).

(b)(1) Civil liability may be administratively imposed by a regional board in accordance with article 2.5 (commencing with section 13323) of chapter 5 for a violation of subdivision (a) in an amount which shall not exceed one thousand dollars (\$1,000) for each day in which the violation occurs.”

The Discharger owns and operates the C. H. Warlow Safety Roadside Rest Area and the onsite wastewater treatment system (OWTS) that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ-R5296. The reports are necessary to ensure that the Discharger complies with the NOA and General Order. Pursuant to Water Code section 13267, the Discharger shall implement this MRP and shall submit the monitoring reports described herein.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date, location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom

samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Resources Control Board, Environmental Laboratory Accreditation Program (ELAP) certified laboratory, or:

1. The user is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are maintained and available for at least three years.

If monitoring consistently shows no significant variation in magnitude of a constituent concentration or parameter after at least 12 months of monitoring, the Discharger may request this MRP be revised to reduce monitoring frequency. The proposal must include adequate technical justification for reduction in monitoring frequency.

### SEPTIC TANK MONITORING

Monitoring of septic tanks shall include the following:

<u>Parameter</u>	<u>Units</u> <sup>1</sup>	<u>Sample Type</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Flow Rate	Gallons per day	Metered <sup>2</sup>	Continuous	Annually
Electrical Conductivity	umhos/cm	Grab	Quarterly	Annually
Total Nitrogen	mg/L	Grab	Semi-annually	Annually

<sup>1.</sup> umhos/cm = micromhos per centimeter, mg/L = milligrams per liter.

<sup>2.</sup> Flow rate may be metered or estimated based on potable water supply meter readings or other approved method.

All septic tanks (i.e., primary, secondary, and surge) shall be inspected and/or pumped at least as frequently as described below. Inspections of sludge and scum depth are not required if the tanks are pumped at least annually.

<u>Parameter</u>	<u>Units</u>	<u>Measurement Type</u>	<u>Inspection/Reporting Frequency</u>
Sludge depth and scum thickness in each compartment of each tank	Feet	Staff Gauge	Annually
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	Annually
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	Annually

<u>Parameter</u>	<u>Units</u>	<u>Measurement Type</u>	<u>Inspection/Reporting Frequency</u>
Effluent filter condition (if equipped, clean as needed)	NA <sup>1</sup>	NA <sup>1</sup>	Annually

<sup>1</sup>. NA = not applicable

Septic tanks shall be pumped when any one of the following conditions exists:

1. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment.
2. The scum layer is within 3 inches of the outlet device.
3. The sludge layer is within 8 inches of the outlet device.

If a septic tank is pumped during the year, the pumping report shall be submitted with the annual report. All pumping reports shall be submitted with the next regularly scheduled monitoring report. At a minimum, the record shall include the date, nature of service, service company name, and service company license number.

### SUBSURFACE DISPOSAL AREA

Monitoring shall be sufficient to determine if wastewater is evenly applied, the disposal area is not saturated, burrowing animals and/or deep rooted plants are not present, and odors are not present. Inspection of dosing pump controllers, automatic distribution valves, etc. is required to maintain optimum treatment in the disposal area. Monitoring shall include, at a minimum, the following:

<u>Constituent</u>	<u>Inspection Frequency</u>	<u>Reporting Frequency</u>
Pump Controllers, Automatic Valves, etc. <sup>1</sup>	Quarterly	Quarterly
Nuisance Odor Condition	Quarterly	Quarterly
Saturated Soil Conditions <sup>2</sup>	Quarterly	Quarterly
Plant Growth <sup>3</sup>	Quarterly	Quarterly
Vectors or Animal Burrowing <sup>4</sup>	Quarterly	Quarterly

1. All pump controllers and automatic distribution valves shall be inspected for proper operation as recommended by the manufacturer.
2. Inspect a disposal area for saturated conditions.
3. Shallow-rooted plants are generally desirable, deep-rooted plants such as trees shall be removed as necessary.
4. Evidence of animals burrowing shall be immediately investigated and burrowing animal populations controlled as necessary.

### SOLIDS DISPOSAL MONITORING

The Discharger shall report the handling and disposal of all solids (e.g., screenings, grit, sludge, biosolids, etc.) generated at the wastewater system. Records shall include the name/contact information for the hauling company, the type and amount of waste transported, the date removed from the wastewater system, the disposal facility name and address, and copies of analytical data

required by the entity accepting the waste. These records shall be submitted as part of the annual monitoring report.

## REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, solids, etc.), and reported analytical or visual inspection results are readily discernible. The data shall be summarized to clearly illustrate compliance with the General Order and NOA as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported in the next regularly scheduled monitoring report and shall be included in calculations as appropriate.

The Central Valley Water Board has gone to a Paperless Office System. All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: [centralvalleyfresno@waterboards.ca.gov](mailto:centralvalleyfresno@waterboards.ca.gov). Documents that are 50MB or larger should be transferred to a disk and mailed to the appropriate Regional Water Board office, in this case 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office:

Program: Non-15, WDID: 5C54NC00296,  
Facility Name: C. H. Warlow Safety Roadside Rest Area OWTS,  
Order: 2014-0153-DWQ-R5296.

### A. Quarterly Monitoring Reports

Quarterly reports shall be submitted to the Regional Water Board on the **first day of the second month after the quarter ends** (e.g. the January-March Quarterly Report is due by May 1<sup>st</sup>). The reports shall bear the certification and signature of the Discharger's authorized representative. At a minimum, the quarterly reports shall include:

1. Results of all required monitoring.
2. A comparison of monitoring data to the requirements (including the flow limitation), disclosure of any violations of the NOA and/or General Order, and an explanation of any violation of those requirements. (Data shall be presented in tabular format.)
3. If requested by staff, copies of laboratory analytical report(s) and chain of custody form(s).

### B. Annual Report

Annual Reports shall be submitted to the Regional Water Board by **March 1<sup>st</sup> following the monitoring year**. The Annual Report shall include the following:

1. Tabular and graphical summaries of all monitoring data collected during the year.
2. An evaluation of the performance of the wastewater treatment system, including discussion of capacity issues, nuisance conditions, system problems, and a forecast of the flows anticipated in the next year. A flow rate evaluation, as described in the General Order (Provision E.2.c), shall also be submitted.

3. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA and/or General Order.
4. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
5. The name and contact information for the wastewater operator responsible for operation, maintenance, and system monitoring.

A letter transmitting the monitoring reports shall accompany each report. The letter shall report violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Discharger or the Discharger's authorized agent:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

The Discharger shall implement the above monitoring program beginning **1 April 2019**.

Ordered by:

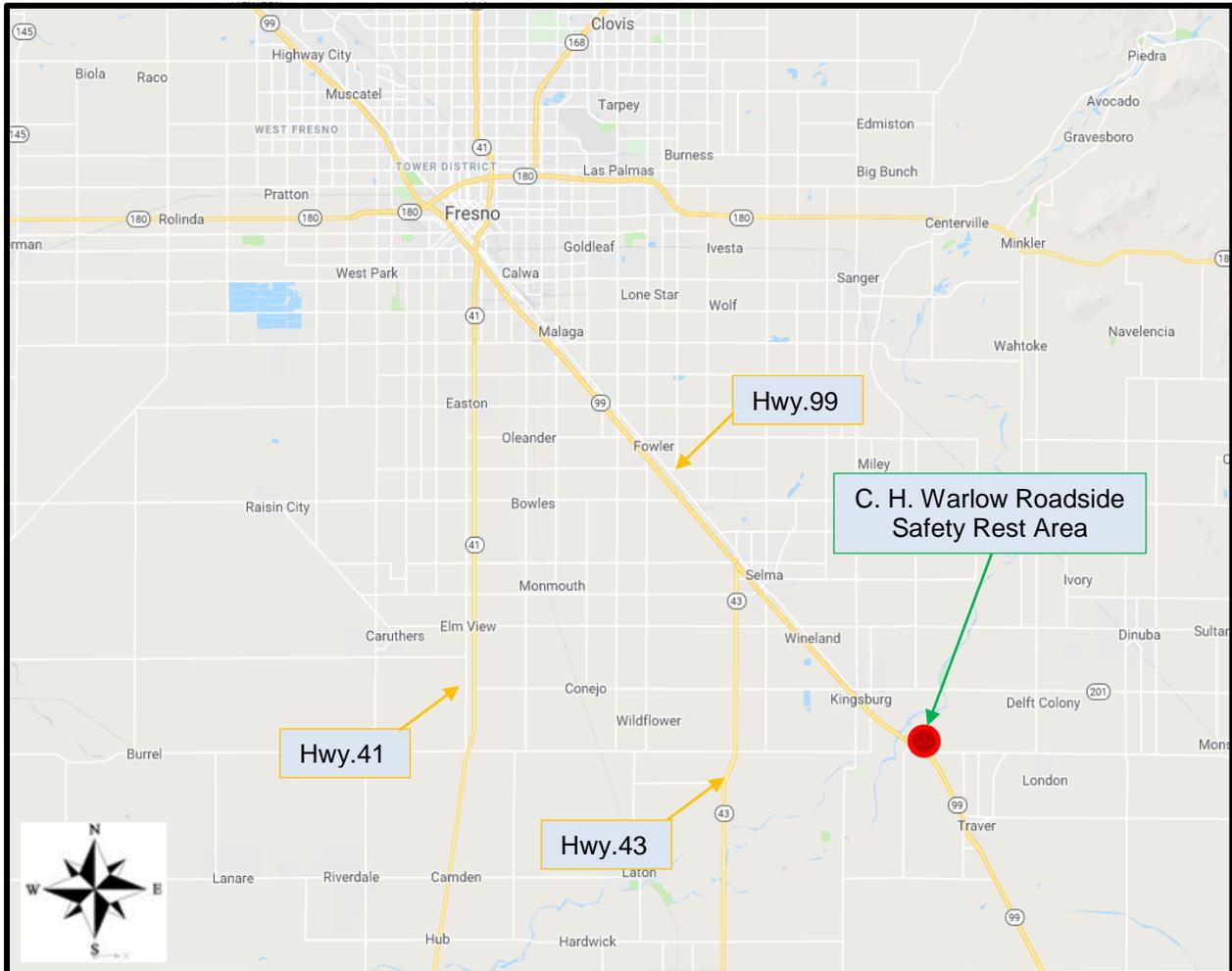
*Original signed by Clay Rodgers for*

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PATRICK PULUPA, Executive Officer

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DATE



Approximate Scale in Miles

## SITE LOCATION MAP

2014-0153-DWQ-R5296  
 GENERAL WASTE DISCHARGE REQUIREMENTS  
 FOR  
 SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS

CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 C. H. WARLOW SAFETY ROADSIDE REST AREA  
 FRESNO COUNTY

**ATTACHMENT A**

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## Central Valley Regional Water Quality Control Board

**TO:** Scott J. Hatton  
Supervising Water Resource Control Engineer  
RCE No. 67889

**FROM:** Alexander S. Mushegan  
Senior Water Resources Control Engineer  
RCE 84208

*Original signed and stamped by*

Jeffrey S. Pyle  
Engineering Geologist  
PG No. 7375

*Original signed and stamped by*

**DATE:** 28 March 2019

**SUBJECT: APPLICABILITY OF COVERAGE UNDER STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0153-DWQ, GENERAL WASTE DISCHARGE REQUIREMENTS FOR SMALL DOMESTIC WASTEWATER TREATMENT SYSTEMS, CALIFORNIA DEPARTMENT OF TRANSPORTATION, C. H. WARLOW ROADSIDE SAFETY REST AREA ONSITE WASTEWATER TREATMENT SYSTEM, TULARE COUNTY**

On 1 February 2018, Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff received a Report of Waste Discharge (RWD) from the California Department of Transportation (Caltrans or Discharger) for an existing onsite wastewater treatment system (OWTS) at the C. H. Warlow Safety Roadside Rest Area (Warlow Rest Area). The Warlow Rest Area is on the east side of Highway 99 about 2.5 miles south of Kingsburg in Tulare County. The Warlow Rest Area is in Section 31, Township 16 South, Range 32 East, Mount Diablo Base and Meridian. This memorandum provides a summary of staff's review of the RWD and the applicability of this discharge for coverage under State Water Resources Control Board Order WQ 2014-0153-DWQ, General Waste Discharge Requirements for Small Domestic Wastewater Treatment Systems (General Order).

The February 2018 RWD included a Form 200 and a technical report prepared by Ethan Heilman, a professional engineer with Caltrans (RCE No. 80369). The Form 200 submitted in February 2018 was not signed, but the Discharger submitted a completed and signed Form 200

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for the Warlow Rest Area on 25 February 2019. The disposal system at the Warlow Rest Area was originally constructed in 1967 and upgraded to its current configuration in 1985. The 1985 Project Plans are stamped by professional engineer William J. Aaberg (RCE No. 18899).

### DESCRIPTION OF DISCHARGE

The Discharger owns and operates the Warlow Rest Area and the associated onsite wastewater treatment system or OWTS. The Warlow Rest Area operates 24 hours a day, 365 days a year as a travel stop for autos, commercial trucks, and buses. The Warlow Rest Area OWTS does not accept septage from recreational vehicles. Domestic wastewater is discharged into two 4,500-gallon capacity septic tanks (9,000-gallon total capacity), prior to being discharged to a leach field containing 750 linear feet of leach field trench. Each leach field lateral has an inspection port for monitoring wastewater depth in the leach field trenches. The 2018 RWD provides expected wastewater quality typical of domestic wastewater results, not onsite monitoring data.

The range of anticipated concentrations for select constituents are shown below.

### Summary of Domestic Wastewater Characteristics

<b>Constituent</b>	<b>Units<sup>a</sup></b>	<b>Typical Domestic Wastewater</b>	<b>Septic Tank Influent</b>	<b>Septic Tank Effluent</b>
Biochemical Oxygen Demand	mg/L	200-290 <sup>b</sup>	155-286 <sup>c</sup>	140-200 <sup>d</sup>
Total Suspended Solids	mg/L	200-290 <sup>b</sup>	155-330 <sup>c</sup>	50-100 <sup>d</sup>
Total Nitrogen	mg/L	35-100 <sup>b</sup>	26-75 <sup>c</sup>	40-100 <sup>d</sup>

a. mg/L denotes milligrams per liter.

b. Data from Table 4-3, USEPA Wastewater Treatment/Disposal for Small Communities, Manual, September 1992, EPA/625/R-92/005.

c. Data from Table 3-7, USEPA Onsite Wastewater Treatment System Manual, June 2005, EPA/625/R 00/008.

d. Data from Table 3-19, USEPA Onsite Wastewater Treatment Systems Manual, June 2005, EPA/625/R 00/008.

### POTENTIAL THREAT TO WATER QUALITY

The RWD indicates the daily dry weather design flow rate for the Warlow Rest Area OWTS is 6,000 gallons per day (gpd). The design flow rate was estimated using anticipated traffic volumes and expected usage at the Warlow Rest Area. The depth to water is reported to be about 80 feet below the ground surface. In accordance with the requirements of the General Order, discharges with flow rates less than 20,000 gpd are not required to meet a nitrogen effluent limitation.

Surficial soils are reported to consist of silty sand in the upper four feet and medium- to fine-grained sand to about eight feet below the ground surface (bgs). Percolation testing results from 1985 ranged from 0.4 to 11.3 minutes per inch and averaged about six minutes per inch. According to *Table 5, Minimum Depth to Groundwater and Minimum Soil Depth from the Bottom of Dispersal System* of the General Order, the minimum depth to groundwater requirement for percolation rates between 5 and 30 MPI is 8 feet bgs, and, as previously mentioned, the depth to groundwater is reported to be about 80 feet bgs. The septic tanks will be pumped periodically by local septic tank haulers that dispose of the solids at a nearby wastewater treatment plant.

### **MONITORING REQUIREMENTS**

Monitoring requirements included in the following sections from Attachment C of the General Order are appropriate for this discharge:

- Septic Tank Monitoring;
- Subsurface Disposal Area; and
- Solids Disposal Monitoring

### **CV-SALTS**

The Central Valley Water Board adopted Basin Plan amendments incorporating new programs for addressing ongoing salt and nitrate accumulation in the Central Valley at its 31 May 2018 Board Meeting. These programs, once effective, could change how the Central Valley permits discharges of salt and nitrate.