
Central Valley Regional Water Quality Control Board

1 February 2017

WDID: 5A110800001

Caltrans
Willows Safety Roadside Rest Area
703 B St.
Marysville, CA 95901

CERTIFIED MAIL:
7015 1660 0000 2319 3738

NOTICE OF APPLICABILITY (NOA), WATER QUALITY ORDER 2014-0153-DWQ-R5223, CALTRANS DISTRICT 3, WILLOWS SAFETY ROADSIDE REST AREA, GLENN COUNTY

On 6 May 2015 Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff inspected the wastewater facilities at the Willows Safety Roadside Rest Area (hereafter "Discharger"), located on either side of Interstate 5 approximately 4.7 miles north of the City of Willows, California, Glenn County. Based on the site inspection and a case file review, the facility treats and disposes less than 100,000 gallons of wastewater per day, and is therefore eligible for coverage under the general and specific conditions of 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). This letter serves as formal notice that the General Order is applicable to your facility and the wastewater discharge described below. You are hereby assigned General Order 2014-0153-DWQ-R5223 for your facility.

You should familiarize yourself with the entire General Order and its attachments enclosed with this letter, which prescribes 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). This MRP was developed after consideration of your waste characterization and site conditions described in the attached *Technical Memorandum*.

REGULATORY BACKGROUND

Waste Discharge Requirements Order 85-320 (WDRs) were adopted for this facility by the Central Valley Water Board on 6 December 1985. The Monitoring and Reporting Program for WDRs 85-320 cannot be located at this time.

DISCHARGE DESCRIPTION

The domestic wastewater, collection, treatment and disposal facilities are owned and operated by the California Department of Transportation (Caltrans) District 3. The northbound and southbound rest areas are separated by Interstate 5. All wastewater flows directly to the southbound restrooms and is pumped out to one of four evaporation ponds. The two lift stations are equipped with two pumps. Waste water first enters Pond 4, which is an aerated pond.

Wastewater has never entered Ponds 1, 2, or 3, according to the facility operator. RV waste is accepted at both the northbound and southbound rest areas and flows directly into the wastewater discharge. The plant has a maximum design influent flow of 30,000 gallons per day (gpd).

This is an existing facility; therefore enrollment under the General Order is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to California Code of Regulations, title 14, section 15301 which applies to ongoing or existing projects.

FACILITY SPECIFIC REQUIREMENTS

The Discharger will maintain exclusive control over the discharge, and shall comply with the terms and conditions of this NOA and the General Order 2014-0153-DWQ-R5223, with all attachments.

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

Site Specific Applicable Setback Requirements¹					
Equipment or Activity	Domestic Well	Flowing Stream	Ephemeral Stream Drainage	Property Line	Lake or Reservoir
Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System ^e	150 ft. ^y	50 ft. ^c	50 ft.	5 ft. ^c	200 ft. ^w
Impoundment (undisinfected secondary recycled water)	150 ft. ^s	150 ft.	150 ft.	50 ft.	200 ft.
^c Setback established by California Plumbing Code, Table K-1 ^e Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System addresses equipment located below ground or that impedes leak detection by routine visual inspection. ^s Setback established by California Code of Regulations, title 22, section 60310(b). ^w Setback established by the Onsite Wastewater Treatment System Policy, section 7.5.5.					

Failure to comply with the requirements in the documents 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 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, MRPs, 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: centralvalleyredding@waterboards.ca.gov. Documents that are 50MB or larger should be transferred to a disc and mailed to the appropriate regional water board office, in this case 364 Knollcrest Drive, Suite 205, Redding, CA 96002. 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: WDR
Facility Name: Willows Safety Roadside Rest Area

WDID: 5A110800001
Order: 2014-0153-DWQ-R5223

Please note that WDRs Order 85-230 is proposed to be rescinded at the 6/7 April 2017 meeting of the Central Valley Water Board. Upon rescission of your individual WDRs, coverage for your facility under the General Order shall become applicable subject to this Notice of Applicability.

If you have any questions regarding submitting an updated report of waste discharge, making changes to your permitted operations, compliance or enforcement please contact Heidi Bauer at (530)224-4996, heidi.bauer@waterboards.ca.gov, or the footer address.

Original signed by Bryan Smith

(for) Pamela C. Creedon
Executive Officer

HB:reb:

Enclosures: General Order 2014-0153-DWQ
Technical Memorandum
Willows Safety Roadside Rest Area Location Map
Monitoring and Reporting Program

cc w/o encl.: Glenn County Environmental Health Division, Willows
Tim O'Brien, State Water Board, Sacramento
Patrick Pulupa, SWRCB, Office of Chief Counsel, Sacramento

Central Valley Regional Water Quality Control Board

TECHNICAL MEMORANDUM

TO: George Low, P.G.
Senior Engineering Geologist

FROM: Heidi Bauer
Sanitary Engineering Associate

DATE: 1 February 2017

SIGNATURE: Original signed by Heidi Bauer

**SUBJECT: REVIEW OF NITRATE AND SETBACK CONDITIONS FOR WILLOWS SAFETY
ROADSIDE REST AREA, GENERAL ORDER WQ 2014-0153-DWQ-R5223
ENROLLMENT, GLENN COUNTY**

Staff has reviewed the case file and the 6 May 2015 Inspection Report for Willows Safety Roadside Rest Area. The Report assesses the general condition of the wastewater treatment system and the evaporation ponds. The Discharger has kept adequate maintenance documentation, and all treatment and collection infrastructure appears in good order.

The facility is located on Interstate 5 in Glenn County approximately 4.7 miles north of the City of Willows. The domestic wastewater, collection, treatment and disposal facilities are owned and operated by the California Department of Transportation (Caltrans). The northbound and southbound rest areas are separated by Interstate 5. The wastewater flows directly from the southbound restrooms to a lift station and is pumped out to one of four evaporation ponds. Both lift stations are equipped with two pumps. Water first enters Pond 4, which is an aerated pond. Wastewater has never entered Ponds 1, 2, or 3, according to the facility operator. RV waste is accepted at both the northbound and southbound rest areas and flows directly into the wastewater discharge. The plant has a maximum design influent flow of 30,000 gallons per day (gpd). Based on historical flow data from 2009 to present, average daily wastewater flow is approximately 17,000 gpd.

Potential Threats to Water Quality

Completion of the Nitrate Checklist in Attachment 1 of Order 2014-0153-DWQ indicates the following flow and rationale:

A1 Exceed 20,000 gpd? No.
Wastewater flow is generally less than 20,000 gpd.

Conclusion: No nitrogen removal is required

Monitoring Requirements

To protect water quality, General Order monitoring requirements will be sufficient. In summary, staff recommends quarterly reporting of the average daily flow rate; quarterly pond system monitoring; and quarterly recreational vehicle discharge monitoring. Quarterly monitoring will be reported by the first day of the second month after the quarter ends (e.g. January-March report is due by May 1st).

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM 2014-0153-DWQ-R5223

FOR

CALIFORNIA DEPARTMENT OF TRANSPORTATION
WILLOWS SAFETY ROADSIDE REST AREA

GLENN 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 Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Quality Control Board (Regional Water Board) Executive Officer.

The State Water Resources Control Board (State Water Board) and Regional Water Boards are transitioning to the paperless office system. In some regions, Dischargers will be directed to submit reports (both technical and monitoring reports) to the State Water Board's GeoTracker database over the Internet in portable document format (pdf). In addition, analytical data shall be uploaded to the GeoTracker database under a site-specific global identification number. Information on the GeoTracker database is provided on the Internet at:

http://www.waterboards.ca.gov/ust/electronic_submittal/index.shtml

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 wastewater system that is subject to the Notice of Applicability (NOA) of Water Quality Order 2014-0153-DWQ. 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 who samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Regional 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 Board California Environmental Laboratory Accreditation Program 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.

POND SYSTEM MONITORING

Influent Monitoring

Influent samples shall be taken from a location that provides representative samples of the wastewater and flow rate. At a minimum, influent monitoring shall consist of the following:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Flow Rate ^a	gpd	Meter	Continuous	Quarterly

gpd denotes gallons per day.

^a At a minimum, the total flow shall be measured monthly to calculate the average daily flow for the month. If wastewater is stored and applied to land, flow rate measurement may also be needed on the effluent flow.

Wastewater Pond Monitoring

All wastewater and treated wastewater storage ponds (lined and unlined) shall be monitored as specified below:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Dissolved Oxygen	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	--	Observation	Monthly	Quarterly
Berm condition	--	Observation	Monthly	Quarterly

mg/L denotes milligrams per liter.

Effluent Monitoring

Effluent samples shall be taken from a location that provides representative samples of the wastewater. At a minimum, effluent monitoring shall consist of the following:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Biochemical Oxygen Demand	mg/L	Grab	Monthly	Quarterly

RECREATIONAL VEHICLE DISCHARGE MONITORING

Any wastewater system that has accepted recreational vehicle, portable toilet, or similar waste in the previous 12 months shall perform the following additional monitoring. Samples shall be collected to characterize effluent that is stored in wastewater ponds or that will be applied to a disposal area. Wastewater shall be monitored as specified below:

<u>Constituent</u>	<u>Units</u>	<u>Sample Type</u>	<u>Sample Frequency</u>	<u>Reporting Frequency</u>
Zinc	mg/L	Grab	Quarterly	Quarterly
Phenol	mg/L	Grab	Quarterly	Quarterly
Formaldehyde	mg/L	Grab	Quarterly	Quarterly

mg/L denotes milligrams per liter.

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.

During the life of this General Order, the State Water Board or Regional Water Board may require the Discharger to electronically submit monitoring reports using the State Water Board's California Integrated Water Quality System (CIWQS) program Internet web site or alternative database. Electronic submittal procedures will be provided when directed to begin electronic submittals. Until directed to electronically submit monitoring reports, the Discharger shall submit hard copy monitoring reports.

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 1st). 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 discharge specifications, 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 the Regional Water Board by **February 1st 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 facility, 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 the 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 as of the date of this MRP.

Ordered by:

Original signed by Bryan Smith for

PAMELA C. CREEDON, Executive Officer

3 February 2017

(Date)

LOCATION MAP



<p>DRAWING REFERENCE: GOOGLE EARTH MAP DATA: © 2017 GOOGLE NO SCALE</p>	<p>LOCATION MAP</p> <p>CALTRANS WILLOWS SAFETY ROADSIDE REST AREA GLENN COUNTY</p>
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