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## Central Valley Regional Water Quality Control Board

19 September 2019

WDID: 5A11080001

Nicki Johnson  
California Department of Transportation  
703 B Street.  
Marysville, CA 95901

**CERTIFIED MAIL:  
7018 1130 0001 8556 3616**

### **AMENDMENT TO NOTICE OF APPLICABILITY, WATER QUALITY ORDER 2014-0153-DWQ-R5223, WILLOWS SAFETY ROADSIDE REST AREA, WASTEWATER TREATMENT FACILITY, GLENN COUNTY**

On 15 February 2019 Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff received an updated Report of Waste Discharge (ROWD) for upgrades to the existing wastewater treatment and disposal system for Willows Safety Roadside Rest Area (Facility), Glenn County. Based on the ROWD and a case file review, the facility will continue to treat and dispose of less than 100,000 gallons of wastewater per day, and therefore is still 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 continues to be applicable to your facility and the wastewater discharge described below. You are still assigned the following General Order enrollment number 2014-0153-DWQ-R5223 for your facility.

You can also find the General Order on the [State Water Board's Adopted Orders web page](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](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2014/wqo2014_0153_dwq.pdf)).

You should familiarize yourself with the entire General Order and its attachments that were given to you during your inspection on 2 May 2019, which prescribes mandatory discharge and monitoring requirements. Sampling, monitoring, and reporting requirements that are applicable to your treatment and disposal methods must be completed in accordance with the sections of the General Order and the attached Monitoring and Reporting Program (MRP). This MRP was developed after consideration

of your treatment system infrastructure and site conditions described in the attached Technical Memorandum.

### **REGULATORY BACKGROUND**

The Discharger's wastewater treatment and disposal system is currently regulated under General Order 2014-0153-DWQ-R5223. The Facility was enrolled in the General Order and enrollment was effective on 7 April 2017.

### **FACILITY AND DESCRIPTION**

The Facility is located approximately 4.7 miles north of the City of Willows, post mile 14.60, Glenn County. The domestic wastewater, collection, treatment and disposal facilities are owned and operated by the California Department of Transportation (Caltrans) District 3. The Facility's northbound and southbound rest areas are separated by Interstate 5 and are open year-round.

Wastewater from southbound and northbound rest areas and multi-use buildings flows by gravity to a channel grinder and then to a lift station, at each rest area. Each lift station is equipped with duplex chopper pumps that breaks down solids from the comfort stations and multi-use buildings and pumps the sewage to Pond 1A, which then flows to Ponds 1B, 2, 3 and 4.

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.

The General Order states in Section B.1.L that the discharger shall comply with the setbacks as described in Table 3. The following applicable setback requirements from Table 3, for which the Discharger shall comply, are summarized below:

**Table 3: Summary of Wastewater System Setbacks**

The following table has been adapted from Table 3 of the General Order and only include setback requirements for specific equipment or activities applicable to the subject facility. Table notes are not in alphabetical order due to the way they were formatted in the General Order.

N/A denotes Not Applicable, as the defined feature is not found within the general area of the facility.

<b>Equipment or Activity</b>	<b>Domestic Well</b>	<b>Flowing Stream (see a below)</b>	<b>Ephemeral Stream Drainage (see b below)</b>	<b>Property Line</b>	<b>Lake or Reservoir (see d. below)</b>
Septic Tank, Aerobic Treatment Unit, Treatment System, or Collection System <b>(see e below)</b>	150 ft. <b>(see y below)</b>	50 ft. <b>(see c below)</b>	50 ft.	5 ft. <b>(see c below)</b> <b>(see z below)</b>	200 ft. <b>(see w below)</b>
Impoundment (undisinfected secondary recycled water) <b>(see i below)</b>	150 ft. <b>(see s below)</b>	150 ft.	150 ft.	50 ft.	200 ft.

**Table Notes:**

- a 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.
- b Ephemeral Stream Drainage denotes a surface water drainage feature that flows only after rain or snowmelt 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 features. The ephemeral stream shall be a “losing stream” (discharging surface water to groundwater) at the proposed wastewater system site.
- c Setback established by California Plumbing Code, Table K-1.

- d Lake or reservoir boundary measured from the high-water line.
- 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.
- i Undisinfected secondary recycled water is defined in California Code of Regulations, title 22, section 60301.900.
- s Setback established by California Code of Regulations, title 22, section 60310(d).
- w Setback established by the Onsite Wastewater Treatment System Policy, section 7.5.5.
- y Setback established by Onsite Wastewater Treatment System Policy, section 7.5.6.
- z Collection system to property line setback is not applicable

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.

### Facility Information

Facility Name	Willows Safety Roadside Rest Area
Program	WDR
Order Number	R5-2014-0153-R5223
WDID	5A11080001
Design Flow	0.03 Million Gallons per Day (MGD)
Threat and Complexity	3C
Monitoring Requirements	Quarterly, Annually

### Billing Information

Name	California Department of Transportation
Contact	Jeff Pietrzak
Email	Unknown
Address	703 B Street Marysville, CA 95901
Phone	(530) 741-4436

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 the following email address: [centralvalleyredding@waterboards.ca.gov](mailto: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

**WDID:** 5A110800001

**Facility Name:** Willows Safety Roadside Rest Area    **Order:** 2014-0153-DWQ-R5223.

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 by phone at (530) 224-4996, by email at [heidi.bauer@waterboards.ca.gov](mailto:heidi.bauer@waterboards.ca.gov), or at the footer address located on the first page of this correspondence.

*Original signed by Bryan J. Smith for*  

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PATRICK PULUPA, Executive Officer

HB: ch

Attachments:    Attachment A – Location Map  
                         Attachment B – Facility Map  
                         Technical Memorandum  
                         Monitoring and Reporting Program  
                         General Order 2014-0153-DWQ

cc without enclosures:    Tim O'Brien, State Water Board, Sacramento  
                                         Glenn County Environmental Health Department, Willows  
                                         David Lancaster, SWRCB, Office of Chief Counsel, Sacramento

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 Electronic Content Management (ECM) database via email in portable document format (pdf). The email address for the ECM submittal is:

[centralvalleyredding@waterboards.ca.gov](mailto:centralvalleyredding@waterboards.ca.gov)

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 whom 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**

Determine the need for monitoring based on the flow rate and Attachment 1 of the General Order. Biochemical oxygen demand limits apply with flow rates above 400 gpd; nitrogen limits may apply at flow rates above 20,000 gpd. (See General Order Section D, Effluent Limits and Attachment 1, Nitrogen Effluent Limit Evaluation.)

### **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:

**Table 1. Influent Monitoring Frequency**

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Flow Rate. 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.	Gallons per day (gpd)	Meter	Continuous	Quarterly

**Wastewater Pond Monitoring**

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

**Table 2. Wastewater Pond Monitoring Frequency**

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Dissolved Oxygen	Milligrams per Liter (mg/L)	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Measurement	Monthly	Quarterly
Odors	Threshold Odor Number (TON)	Observation	Monthly	Quarterly
Berm condition	Not applicable	Observation	Monthly	Quarterly

**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:

**Table 3. Effluent Monitoring Frequency**

Constituent	Units	Sample Type	Sample Frequency	Reporting Frequency
Biochemical Oxygen Demand	Milligrams per Liter (mg/L)	Grab	Monthly	Quarterly

**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.

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, applicable effluent limits, 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 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 J. Smith for*  
\_\_\_\_\_  
PATRICK PULUPA, Executive Officer

*9 September 2019*

\_\_\_\_\_  
(Date)

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Central Valley Regional Water Quality Control Board

**TECHNICAL MEMORANDUM**

TO: George Low, PG  
Senior Engineering Geologist

FROM: Heidi Bauer  
Sanitary Engineering Associate

DATE: 19 September 2019

SIGNATURE: Original signed by Heidi Bauer

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

Staff has reviewed the case file and the Report of Waste Discharge for Willows Safety Roadside Rest Area (Willows SRRA). The Report of Waste Discharge assesses the wastewater treatment system and proposes upgrades and modifications that will exist as described below once completed.

The facility is located approximately 4.7 miles north of the City of Willows, post mile 14.60, Glenn County. 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.

The wastewater flows by gravity to a channel grinder and then to a lift station, at each rest area. Each lift station is equipped with duplex chopper pumps that breaks down solids from the comfort stations and multi-use buildings and pumps the sewage to Pond 1A, a 0.71-acre facultative pond lined with 60 mil high density polyethylene equipped with two aerators. Retention time in Pond 1A is 120-140 days. There is an 8 feet deep area in this pond where sludge is anticipated to accumulate. Wastewater flows from Pond 1A to Ponds 1B, 2, 3 and 4. Pond 1B is a 1.3-acre infiltration pond with synthetic lined berms. All remaining ponds are 7 feet deep. Total average and peak flow from northbound and southbound rest areas is approximately 6,400 gallons per day (gpd) and 15,900 gpd, respectively.

### **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 generally less than 20,000 gpd.

Conclusion: No nitrogen removal is required.

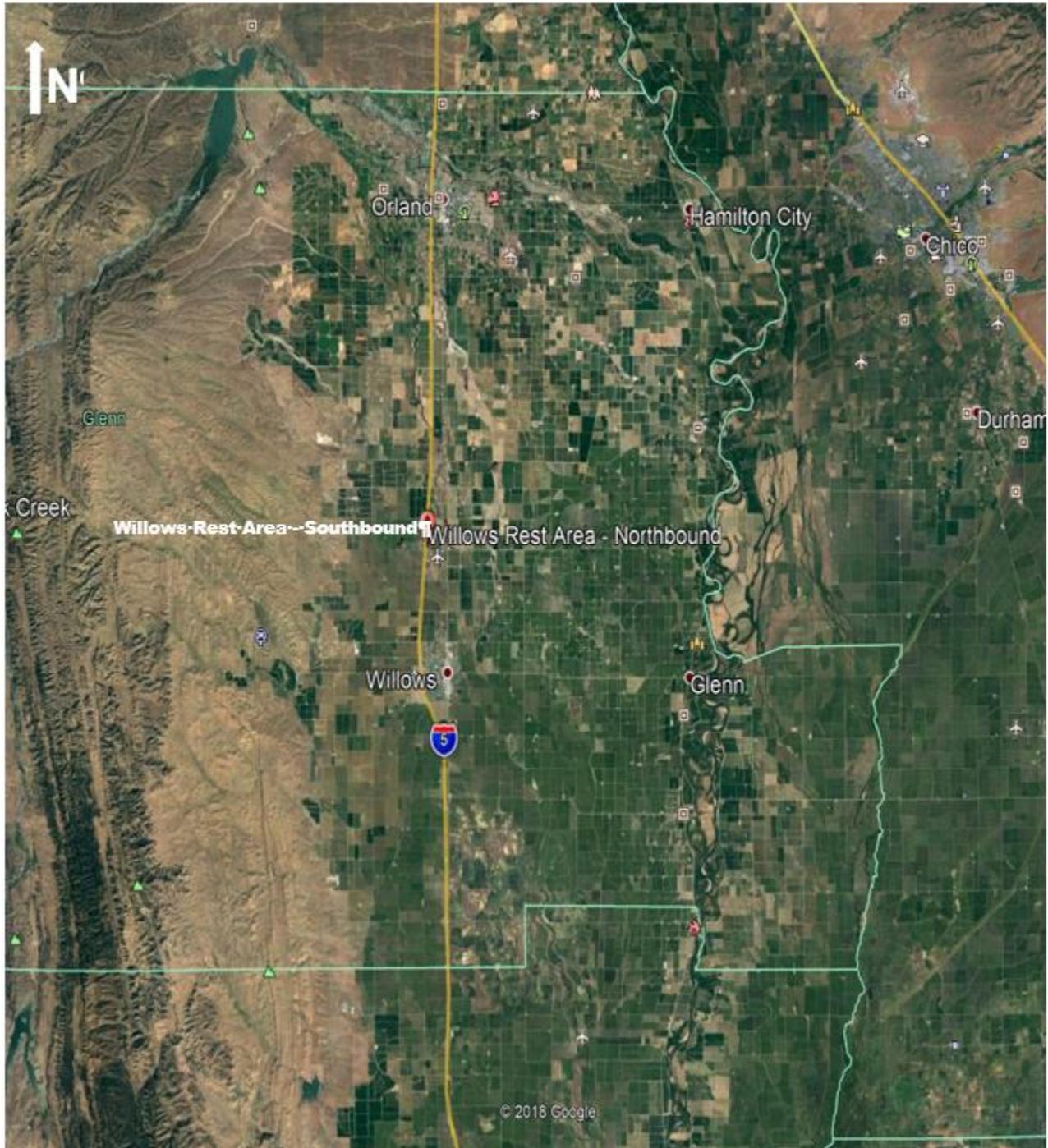
### **MONITORING REQUIREMENTS**

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 annual inspections of the septic tanks. 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). Annual monitoring will be included with the fourth quarter monitoring.

WILLOWS SAFETY ROADSIDE REST AREA  
WASTEWATER TREATMENT/DISPOSAL FACILITY  
GLENN COUNTY

ORDER DWQ 2014-0153-R5223

ATTACHMENT A – LOCATION MAP



DRAWING REFERENCE:  
GOOGLE EARTH  
MAP DATA: © 2018  
GOOGLE  
NO SCALE

LOCATION MAP  
WILLOWS SAFETY ROADSIDE REST AREA  
SOUTHBOUND AND NORTHBOUND  
GLENN COUNTY

WILLOWS SAFETY ROADSIDE REST AREA  
WASTEWATER TREATMENT/DISPOSAL FACILITY  
GLENN COUNTY

ORDER DWQ 2014-0153-R5223

ATTACHMENT B – FACILITY MAP



DRAWING REFERENCE:  
GOOGLE EARTH  
MAP DATA: © 2019  
GOOGLE  
NO SCALE

FACILITY MAP  
WILLOWS SAFETY ROADSIDE REST AREA  
SOUTHBOUND AND NORTHBOUND  
GLENN COUNTY