CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM R5-2026-0033
FOR
SETTON PISTACHIO OF TERRA BELLA, INC. AND PORTERVILLE CITRUS, INC.
TERRA BELLA PROCESSING FACILITIES
TULARE COUNTY

This Monitoring and Reporting Program (MRP), which is separately issued pursuant to California Water Code section 13267 subdivision (b)(1), establishes monitoring and reporting requirements related to the waste discharge(s) regulated under Waste Discharge Requirements (WDRs) Order R5-2026-0033 (WDRs Order). Each of the Findings set forth in the WDRs Order, including those pertaining to the need for submission of reports, are hereby incorporated as part of this MRP.

Setton Pistachio of Terra Bella, Inc. (Setton) owns and operates the Terra Bella Pistachio Processing Facility at 9370 Road 234, Terra Bella (Pistachio Facility) and the adjacent land application areas (LAA). Porterville Citrus, Inc., (Porterville Citrus) owns and operates the Porterville Citrus Packing House at 9512 Clements Street, Terra Bella (Citrus Facility). The Setton and Porterville Citrus processing facilities are located adjacent to each other and share a collective wastewater disposal system; therefore, Setton and Porterville Citrus are referred to as Discharger.

The reuse of process wastewater from the Facilities on the LAA is subject to the WDRs Order, and the Discharger is responsible for compliance with this MRP. The Discharger shall not implement any changes to this MRP unless and until the Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopts, or the Executive Officer issues, a revised MRP.

A glossary of terms used in this MRP is included on the last page.

Issuance of this MRP effectively terminates and supersedes MRP R5-2019-0802-01, which was previously issued for the Facilities. This MRP may be separately revised by the Executive Officer, in accordance with their delegated authority under Water Code section 13223.

I. GENERAL MONITORING REQUIREMENTS

A. FLOW MONITORING

Hydraulic flow rates shall be measured at the monitoring points specified in this MRP. All flow monitoring systems shall be appropriate for the conveyance system (i.e., open channel flow or pressure pipeline) and liquid type. Flow measurements shall be based on flow meter readings, unless specifically stated otherwise. The method of measurement must be specified. Unless otherwise specified, each flow meter shall be equipped with a flow totalizer to allow reporting of cumulative volume

as well as instantaneous flow rate. Flow meters shall be calibrated at the frequency recommended by the manufacturer; typically, at least once per year and records of calibration shall be maintained for review upon request.

B. MONITORING AND SAMPLING LOCATIONS

Samples and measurements shall be obtained at the monitoring points specified in this MRP. Central Valley Water Board staff shall approve any proposed changes to sampling locations prior to implementation of the change. The Discharger shall monitor the following locations to demonstrate compliance with the requirements of this MRP:

Table 1 - Monitoring Locations

Monitoring Location	Monitoring Location Description
EEF-001	Location where a representative sample of the citrus wastewater may be collected after the sloped screens and sand filtration but prior to discharge to the LAAs.
INF-001	Location where a representative sample of pistachio process wastewater from the hulling pits may be collected following the sloped screens but prior to the FF-30 filters.
EFF-002	Location where a representative sample of treated (filtered and centrifuged) pistachio process wastewater may be collected prior to discharge to the LAAs.
PND-001, PND-002, etc.	Pond monitoring, as follows: PND-001: Gunite Lined Pond PND-002: East Pond PND-003: West Pond PND-004: Bella Pond - Location where a representative sample of the partially treated pistachio process wastewater may be collected from the Bella Pond prior to being treated by the centrifuge.
SW-001	Source water monitoring
SIW-001	Location where a representative sample of the supplemental irrigation water may be collected prior to blending with wastewater.
LAA-001	961-acre land application area
SOIL-01, etc.	Soil monitoring
SOLIDS	Solids monitoring

PRM-001, PRM-002, etc.	Perimeter monitoring locations to be proposed, as specified in Section II.H of this MRP.

C. SAMPLING AND SAMPLE ANALYSIS

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. Except as specified otherwise in this MRP, grab samples will be considered representative of water, wastewater, soil, solids/sludges, plant tissue, and groundwater. The time, date, and location of each sample shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to measure pH, temperature, electrical conductivity, dissolved oxygen, wind speed, and precipitation) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated at the frequency recommended by the manufacturer;
3. The instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and
4. Field calibration reports are submitted as described in the “Reporting” section of this MRP.

Laboratory analytical procedures shall comply with the methods and holding times specified in the following (as applicable to the medium to be analyzed):

- *Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater* (EPA);
- *Test Methods for Evaluating Solid Waste* (EPA);
- *Methods for Chemical Analysis of Water and Wastes* (EPA);
- *Methods for Determination of Inorganic Substances in Environmental Samples* (EPA);
- *Standard Methods for the Examination of Water and Wastewater* (APHA/AWWA/WEF); and
- *Soil, Plant and Water Reference Methods for the Western Region* (WREP 125).

Approved editions shall be those that are approved for use by the United States Environmental Protection Agency (EPA) or the State Water Resources Control Board (State Water Board), Division of Drinking Water’s Laboratory Accreditation Program (ELAP). The Discharger may propose alternative methods for approval by the Executive Officer. Where technically feasible, laboratory reporting limits shall be lower than the applicable water quality objectives for the constituents to be analyzed.

II. SPECIFIC MONITORING REQUIREMENTS

A. CITRUS EFFLUENT MONITORING (EFF-001)

The Discharger shall monitor the citrus wastewater discharge after the sloped screens and sand filtration but before discharge to the LAAs. Samples shall be representative of the volume and nature of the discharge. Time of collection of all samples shall be recorded. At a minimum, the citrus effluent shall be monitored as specified in Table 2:

Table 2 – Citrus Effluent Monitoring (EFF-001)

Constituent/Parameter	Units	Sample Type	Frequency
Flow (see 1 below)	mgd	Meter	Continuous
DO	mg/L	Grab	1/Week
pH	S.U.	Grab	1/Week
EC	µmhos/cm	Grab	1/Week
BOD_5	mg/L	Grab	1/Month
FDS	mg/L	Grab	1/Month
TSS	mg/L	Grab	1/Month
TDS	mg/L	Grab	1/Month
Nitrate (as N)	mg/L	Grab	1/Month
Nitrite (as N)	mg/L	Grab	1/Month
Ammonia (as N)	mg/L	Grab	1/Month
TKN	mg/L	Grab	1/Month
Total Nitrogen	mg/L	Calculated	1/Month
Potassium	mg/L	Grab	1/Month
Iron	µg/L	Grab	1/Month
Manganese	µg/L	Grab	1/Month
General Minerals (see 2 below)	mg/L or µg/L	Grab	1/Year

1. Flow shall be determined at the citrus wastewater flow meter located after the sloped screens.
2. See the Glossary for the definition of General Minerals.

B. PISTACHIO PIT INFLUENT MONITORING (INF-001)

During the pistachio processing season (typically late August through mid-October), the Discharger shall monitor the quality of its wastewater from the pistachio hulling

pits after the sloped screens, but prior to the FF-30 Filter system. Pistachio influent samples shall be representative of the volume and nature of the discharge and collected when wastewater is discharged from the Facilities. Pistachio influent quality sampling events shall coincide with the pistachio effluent monitoring specified in the sections below for monitoring locations EFF-002, PND-002, PND-003, and PND-004. Time of collection of all samples shall be recorded. Pistachio influent monitoring shall include at least the following:

Table 3 –Pistachio Influent Monitoring (INF-001)

Constituent/Parameter	Units	Sample Type	Frequency
Flow (see 1 below)	mgd	Meter	Continuous
DO	mg/L	Grab	2/Month
pH	S.U.	Grab	2/Month
EC	µmhos/cm	Grab	2/Month
BOD_5	mg/L	Grab	2/Month
FDS	mg/L	Grab	2/Month
TSS	mg/L	Grab	2/Month
TDS	mg/L	Grab	2/Month
Nitrate (as N)	mg/L	Grab	2/Month
Nitrite (as N)	mg/L	Grab	2/Month
Ammonia (as N)	mg/L	Grab	2/Month
TKN	mg/L	Grab	2/Month
Total Nitrogen	mg/L	Grab	2/Month
Potassium	mg/L	Grab	2/Month
Iron	µg/L	Grab	2/Month
Manganese	µg/L	Grab	2/Month
General Minerals (see 2 below)	mg/L or µg/L	Grab	1/Season (see 3 below)

1. Flow shall be determined at the flow meter installed between the pistachio hulling pits and the FF-30 Filters.
2. See the Glossary for the definition of General Minerals.
3. Samples shall be collected once per processing season in September.

C. PISTACHIO EFFLUENT MONITORING (EFF-002)

The Discharger shall monitor the treated pistachio processing wastewater prior to its discharge to the LAAs. Monitoring at EFF-002 shall occur anytime there is a discharge of wastewater to the LAAs. Effluent samples shall be representative of the volume and nature of the discharge and collected when wastewater is discharged from the Facilities. Pistachio effluent quality sampling events at EFF-002 shall coincide with the pistachio monitoring specified in the sections above and below for monitoring locations INF-001 and PND-004. Time of collection of all samples shall be recorded. Effluent monitoring shall include at least the following:

Table 4 –Pistachio Effluent Monitoring (EFF-002)

Constituent/Parameter	Units	Sample Type	Frequency
Flow (see 1 below)	mgd	Meter	Continuous
pH	S.U.	Grab	1/Week
EC	µmhos/cm	Grab	1/Week
BOD_5	mg/L	Grab	1/Week
FDS	mg/L	Grab	1/Week
TSS	mg/L	Grab	1/Week
TDS	mg/L	Grab	1/Week
Nitrate (as N)	mg/L	Grab	1/Week
Nitrite (as N)	mg/L	Grab	1/Week
Ammonia (as N)	mg/L	Grab	1/Week
TKN	mg/L	Grab	1/Week
Total Nitrogen	mg/L	Grab	1/Week
Potassium	mg/L	Grab	1/Week
Iron	µg/L	Grab	1/Week
Manganese	µg/L	Grab	1/Week
General Minerals (see 2 below)	mg/L or µg/L	Grab	1/Season (see 3 below)

1. Flow shall be determined at the existing flow meters located just upstream of the discharge points to LAA Blocks 1-4 and 14-24.
2. See the Glossary for the definition of General Minerals.
3. Samples shall be collected once per season in September.

D. POND MONITORING (PND-001, ETC.)

The Discharger shall monitor the Facilities' wastewater treatment and storage ponds anytime wastewater is present. Calibrated, permanent markers (e.g., staff gages) shall be placed in all ponds to measure water level at the design capacities and available operational freeboard. Monitoring shall be performed when process wastewater is discharged to the LAAs, in accordance with Table 5 below.

Table 5 – Pond Monitoring

Constituent	Pond	Units	Sample Type	Frequency
Freeboard	All	0.1 feet	Observation	1/Week
Odor/Vectors	All	N/A	Observation	Daily (see 1 below)
Berm Condition	All	N/A	Observation	1/Week
Liner Condition (see 2 below)	PND-001 PND-004	N/A	Observation	1/Week
Retention Time	All	Hours	Calculated	Daily (see 3 below)
DO (see 4 below)	All	mg/L	Grab	1/Week
pH (see 4 below)	PND-002 PND-003 PND-004	S.U.	Grab	2/Month (see 5 below)
FDS	PND-002 PND-003 PND-004	mg/L	Grab	2/Month (see 5 below)
TSS	PND-002 PND-003 PND-004	mg/L	Grab	2/Month (see 5 below)
BOD_5	PND-002 PND-003 PND-004	mg/L	Grab	2/Month (see 5 below)
TDS	PND-002 PND-003 PND-004	mg/L	Grab	2/Month (see 5 below)
Total Nitrogen	PND-002 PND-003 PND-004	mg/L	Grab	2/Month (see 5 below)

1. If offensive odors are detected by or brought to the attention of the Discharger, the Discharger shall monitor the potential source pond at least daily for DO, pH, and odors until the odor issue has been resolved and the DO in the pond is greater than 1.0 mg/L.
2. The Discharger shall monitor the condition of the pond liners at least once per year in July prior to the start of the pistachio processing season. If any evidence of leaks or damage are observed the Discharger shall inform the Central Valley Water Board immediately with a plan and time schedule to repair the damage.
3. The retention time shall be calculated, as described in the September 2025 Report of Waste Discharge, during the pistachio processing season.
4. Samples for DO and pH shall be collected between 8:00 am and 10:00 a.m. when there is more than one foot of water in the pond. If there is insufficient water in the pond, no sample shall be collected and the Discharger shall report it in the appropriate monitoring report.
5. Samples shall be collected twice per month in non-consecutive weeks during the pistachio processing season.

E. SOURCE WATER MONITORING (SW-001)

The source water used for Facilities' operations shall be monitored. Samples shall be representative of the source water supplied to the Facilities after treatment, if any. If the source water is from more than one source, the results shall be presented as a flow-weighted average of all sources. Source water monitoring shall include at least the following:

Table 6– Source Water Monitoring, (SW-001)

Constituent/Parameter	Units	Sample Type	Frequency
Flow	mgd	Meter	Continuous
EC	µmhos/cm	Grab	1/Year
Nitrate (as N)	mg/L	Grab	1/Year
FDS	mg/L	Grab	1/Year
Iron	µg/L	Grab	1/Year
Manganese	µg/L	Grab	1/Year
General Minerals (see 1 below)	mg/L or µg/L	Grab	1/Year

1. See the Glossary for the definition of General Minerals.

F. IRRIGATION WATER MONITORING (SIW-001)

The Discharger shall collect samples of the irrigation water used to blend with effluent and irrigate the various fields within the available LAA. If the irrigation water is from more than

one source (e.g., irrigation wells, surface water, stormwater, etc.), samples will be provided from each source. Irrigation monitoring shall include at least the following:

Table 7 – Irrigation Water Monitoring

Constituent/Parameter	Units	Sample Type	Frequency
Flow	mgd	Meter	Continuous
EC	µmhos/cm	Grab	1/Year
FDS	mg/L	Grab	1/Year
Nitrate (as N)	mg/L	Grab	1/Year
Total Nitrogen	mg/L	Grab	1/Year

In addition, the Discharger shall conduct an annual inspection of its irrigation system. The inspection shall note all irrigation lines and connections to fields that will be used for application of wastewater. The results of the inspection as well as a map documenting the various irrigation lines and fields used for transportation or storage of wastewater shall be included in the Annual Report.

G. LAND APPLICATION AREA MONITORING

The Discharger shall inspect the land application area (LAA) at least once daily prior to and during irrigation events. Evidence of erosion, field saturation, runoff, or the presence of nuisance conditions (i.e., flies, ponding, etc.) shall be noted in the Facilities' logbook and a summary of the notations included as part of the annual monitoring report. In addition, the Discharger shall perform the following routine monitoring and loading calculations for each discrete irrigation area (Block) within the LAA each day when wastewater is applied. The Discharger prepare a map that identifies discrete blocks for consistent irrigation and constituent load monitoring. Monitoring data shall be collected and presented in graphical (map) and/or tabular format and shall include the following:

Table 8 – Land Application Area Monitoring

Constituent/Parameter	Units	Sample Type	Frequency
LAAs Irrigated (Block Numbers)	Wetted acres	n/a	Daily
Wastewater flow to each block (see 1 below)	mgd	Metered	Daily
Wastewater loading to each block	Inches/day	Calculated	Daily
Supplemental irrigation to each block (see 1 below)	mgd	Metered	Daily

Constituent/Parameter	Units	Sample Type	Frequency
Supplemental irrigation loading to each block (see 1 below)	Inches/day	Calculated	Daily
Precipitation	Inches	Rain gauge (see 2 below)	Daily
Total hydraulic flow to each block (see 3 below)	mgd	calculated	Daily
Total hydraulic load to each block (see 3 below)	Inches/day	calculated	Daily
BOD Loading (for each block) (see 4, 5 below)			
Daily Loading	lbs/acre	Calculated	Daily
Cycle average loading rate (see 4 and 5 below)	lbs/acre-day	Calculated	Cycle
Nitrogen Loading (for each block) (see 4 below)			
From wastewater	lbs/acre/year	Calculated	1/Year
From fertilizer/compost	lbs/acre/year	Calculated	1/Year
From supplemental irrigation water	lbs/acre/year	Calculated	1/year
Salt Loading (for each block) (see 4 below)			
From wastewater	lbs/acre	Calculated	1/Year
From supplemental irrigation water	lbs/acre	Calculated	1/Year
Field Conditions			
Nuisance Odor/Vectors	--	Observation	Weekly
Discharge Runoff	--	Observation	Weekly

1. Treated wastewater flow to the LAA is the metered flow of EFF-001 and EFF-002. Supplemental irrigation water flow is the metered flow of SIW-001.
2. National Weather Service or CIMIS data from the nearest weather station is acceptable.
3. Combined loading from wastewater, irrigation water, and precipitation.
4. BOD, total nitrogen, and salt loading (FDS and potassium) shall be calculated as specified in section III of this MRP.
5. A cycle average is calculated by taking the pounds of BOD added to the LAA in a given period divided by the sum of the total days wastewater was applied plus the number of days of rest (no application of wastewater or supplemental irrigation water). See section III of the MRP for the calculation.

H. PERIMETER MONITORING (PRM-001, ETC.)

The Discharger shall perform routine monitoring of the perimeter of property owned and/or controlled by the Discharger, in accordance with Table 9 below. Monitoring shall be conducted at a representative number of monitoring locations. Within 30 days of the effective date of this MRP, the Discharger shall submit a map of proposed perimeter monitoring locations for approval by Central Valley Water Board staff.

In addition, the Discharger shall keep a log of routine monitoring observations including, but not limited to, the presence of objectionable odors, odor intensity, wind conditions/direction, and presence of flies/insects and other vectors. A copy of the monitoring log shall be kept by the Discharger and made available for review by Central Valley Water Board staff during inspections. The log shall also be available electronically for submission to Central Valley Water Board staff for review upon staff's request. The monitoring log shall also be submitted as part of the quarterly monitoring reports. Data shall be collected and presented in tabular format and shall include the information in Table 9.

Table 9 – Perimeter Monitoring

Constituent/Parameter	Units	Sample Type	Frequency
Odor	N/A	Observation	Daily (see 1 below)
Vectors	N/A	Observation	Daily (see 1 below)

1. The Discharger shall conduct monitoring at the perimeter locations daily during pistachio processing season, which includes the end of the harvest pond cleanout process.

I. SOIL MONITORING (SOIL-001, ETC.)

The Discharger shall establish representative soil sampling locations within four (4) discrete blocks, and at least two (2) background locations (i.e., that historically has not received process wastewater). Soil samples shall be collected from one of the blocks planted with citrus and from three of the blocks planted with pistachios. The Discharger shall submit a map to the Central Valley Water Board with the identified sample locations (e.g., latitude and longitude) at least 60 days prior to the soil sampling events, in accordance with this Order. Soil sampling locations shall correspond to the LAA blocks that received the highest hydraulic loading from wastewater during the previous processing season. Soil samples shall be collected at depths of 2-, 4-, and 6-feet below ground surface and within 5-feet of the subsurface irrigation system for composite analyses. All composite samples shall be analyzed for the constituents and frequencies specified in the following table.

Table 10 – Soil Monitoring

Constituent/Parameter	Units	Sample Type	Frequency
Standard Fertility Assay (see 1 below)	mg/kg	Composite	2/Year (see 2 below)
Total Kjeldahl Nitrogen (TKN)	mg/kg	Composite	2/Year (see 2 below)

1. See glossary for definition of Standard Fertility Assay.
2. Composite samples shall be collected for analysis in the spring (between April and May) and the fall (between October and November).

J. SOLIDS MONITORING (SOLIDS)

The Discharger shall maintain detailed records for disposal and/or recycling of residual solids removed from the Facilities, including the solids removed during the post-harvest cleanout of the ponds. The record should include information on quantity, storage, methods of disposal (i.e., livestock feed, soil amendment, composting, etc.) and receipts, if applicable. A summary of the information shall be included in the Fourth Quarter Monitoring Report.

III. REPORTING REQUIREMENTS

The Discharger must submit all monitoring reports and analytical monitoring results to the State Water Resources Control Board's (State Water Board's) GeoTracker database. GeoTracker is an Internet-accessible database system used by the State Water Board, regional boards, and local agencies to track and archive compliance data from authorized or unauthorized discharges of waste to land, or unauthorized releases of hazardous substances from underground storage tanks. This system consists of a relational database, online compliance reporting features, a geographical information system (GIS) interface, and other features that are utilized by regulatory agencies, regulated industries, and the public to input, manage, or access compliance and regulatory tracking data.

GeoTracker Electronic Reporting Requirements: All monitoring reports and monitoring results shall be submitted to GeoTracker in accordance with the timeframes specified below and in searchable Portable Document Format (PDF). The Discharger shall follow the applicable Electronic Submittal of Information (ESI) requirements under the Facilities-specific **Global Identification Number: WDR100035349** at the Geotracker database (https://geotracker.waterboards.ca.gov/esi/login.asp).

In order to submit reports electronically, the Discharger shall create a secure GeoTracker Electronic Submittal of Information (ESI) account and log in credentials, claim their facility by requesting access in GeoTracker, and finally uploading PDF copies of the required reports via the ESI portal as outlined in the GeoTracker ESI Beginner's Guide for Responsible Parties (Beginner's Guide) linked below. The

Discharger may complete the above tasks by accessing the 'Getting Started' section on the GeoTracker ESI webpage (https://www.waterboards.ca.gov/ust/electronic_submittal/index.html).

Additional GeoTracker support information can be found at the following:

a. 'Guides/Resources' document link in the "Tools" on the Discharger's GeoTracker ESI account.

b. Resources on the GeoTracker ESI website, such as the Beginner's Guide (https://www.waterboards.ca.gov/ust/electronic_submittal/docs/geotracker_esi_rp_beginner s_guide_revisedoct2019.pdf).

c. General GeoTracker Help Desk contact information:
Phone: 1-866-480-1028, Email: geotracker@waterboards.ca.gov

A transmittal letter shall accompany each monitoring report. The letter shall include a discussion of all violations of this MRP during the reporting period and actions taken or planned for correcting each violation. If the Discharger has previously submitted a report describing corrective actions taken and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. The transmittal letter shall contain a statement by the Discharger or the Discharger's authorized agent certifying under penalty of perjury that the report is true, accurate and complete to the best of the signer's knowledge.

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., effluent, groundwater, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported in the next scheduled monitoring report.

Laboratory analysis reports shall be included in the monitoring reports. All laboratory reports must also be retained for a minimum of three years. For a Discharger conducting any of its own analyses, reports must also be signed and certified by the chief of the laboratory.

Monitoring information shall include the method detection limit (MDL) and the Reporting limit (RL) or practical quantitation limit (PQL). If the regulatory limit for a given constituent is less than the RL (or PQL), then any analytical results for that constituent that are below the RL (or PQL) but above the MDL shall be reported and flagged as estimated.

All monitoring reports that involve planning, investigation, evaluation or design, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice

in California pursuant to California Business and Professions Code sections 6735, 7835, and 7835.1.

A. QUARTERLY MONITORING REPORTS

Quarterly Monitoring Reports shall be prepared and submitted to the Central Valley Water Board by **the first (1st) day of the second month after the quarter** (i.e. the 1st quarter [January – March] quarterly report is due 1st May). Each Quarterly Report shall include the following:

1. Results of the **Influent and Effluent Monitoring** as specified in Section II.A, B, and C including:
   a. Calculation of the maximum daily and monthly average flow for each month of the quarter.
   b. Comparison of the cumulative and average monthly flow with the applicable flow limits.
   c. Calculation of the monthly average FDS of the discharge for each month of the quarter.

2. Results of **Pond Monitoring** as specified in Section II.D.

3. Results of **Land Application Area Monitoring** as specified in Section II.G.
   a. A summary of LAA inspection activities conducted by the Discharger
   b. Calculation of the hydraulic load for wastewater and fresh irrigation water to the land application area in gallons and/or acre-inches, by field.
   c. Calculate the cycle average BOD loading rate for the LAA.

   The mass of BOD applied to each discrete irrigation area/field within the LAA on a cycle average basis shall be calculated using the following formula:

$$M = \frac{8.345(CV)}{AT}$$

Where:
- M = Mass of BOD_5 applied to an LAA in lbs/ac/day
- C = Concentration of BOD_5 in mg/L based on the average concentration for the Week
- V = Total volume of wastewater applied to discrete LAA fields during the irrigation cycle, in millions of gallons
- A = Area of the LAA irrigated in acres
- T = Irrigation cycle length in days (from the first day wastewater is applied to the last day of the drying time [prior to subsequent application of process wastewater or

supplemental irrigation water)
8.345 = Unit conversion factor

4. Copies of all laboratory analytical reports

5. A summary of any changes in processing that might affect waste characterization and/or discharge flow rates.

All quarterly reports shall include summary data tables of analytical results and observations collected or conducted during the quarter.

B. FOURTH QUARTER MONITORING REPORT

In addition to the above information, the fourth quarter monitoring report shall be prepared and submitted to the Central Valley Water Board by **1st February each year**, and shall include the following:

2. Total annual effluent flow and the average monthly flows for each month of the year expressed as millions of gallons per day.

3. Calculation of the annual average FDS effluent concentrations for Monitoring Locations EFF-001 and EFF-002, and comparison with the annual average Performance-Based Effluent Limit specified in the Order for the Citrus Facility and the Pistachio Facility discharges.

4. Results of **Source Water Monitoring (SW-001)**, as specified in Section II.D. If the source water supply is from more than one source, the Discharger shall calculate the flow-weighted average concentration for each constituent monitored (include supporting calculations).

5. Results of **Irrigation Water Monitoring (SIW-001)** as specified in Section II.E, including:

6. A map showing the locations of the irrigation lines used to carry and transport wastewater to the various fields.

7. Results of **Soil Monitoring (SOIL-001, etc.),** as specified in Section II.I.

8. **For the LAAs**, a chronological log of dates of fertilizer/compost application, residual solids application, irrigation, precipitation, and runoff control operations. Nitrogen and salt loading calculations shall also be included.

   a. The mass of total nitrogen, FDS, and potassium applied to each LAA block shall be calculated using the following formula and compared to published crop demand for the crops grown:

$$M = \sum_{i=1}^{12} \frac{(8.345(C_i V_i) + M_x)}{A}$$

Where:
- M = Mass of total nitrogen/FDS/potassium applied to the LAA in lbs/ac/yr
- C_i = Average concentration of total nitrogen/FDS/potassium (irrigation and wastewater) for the month in mg/L
- V_i = Total volume of irrigation and wastewater applied to the LAA during the month, in million gallons
- A = Area of the LAA (i.e., field) irrigated in acres
- I = The number of the month (e.g., January = 1, February = 2, etc.)
- M_x = Total nitrogen/FDS/potassium mass from other sources (e.g., fertilizer and compost) in pounds
- 8.345 = Unit conversion factor

b. Discussion of an evaluation of soil monitoring data collected over the reporting period to estimate the concentrations in the upper six feet of LAA soils of Nitrate-N, TKN, and potassium in units of lbs/acre. The discussion shall propose how soil nitrogen concentrations will be considered as a nitrogen source for crops grown the following year.

9. The types of crop(s) grown, planting and harvest dates, and the quantified nitrogen and FDS uptakes (as estimated by technical references or, preferably, defined by representative plant tissue analysis).

10. Tabular and graphical summaries of all data collected during the year.

11. A comparison of monitoring data to the limitations specified by the WDRs Order and an explanation of any violations.

12. A discussion of annual chemical usage at the Facilities (e.g., chemical name, purpose, and quantity used).

13. A calibration log verifying calibration of all hand-held monitoring instruments and devices used to comply with the prescribed monitoring program.

14. Statement certifying when the flow meter and other monitoring instruments and devises were last calibrated, include identification of who performed the calibrations (SPRRs C.4).

15. Names, titles, and contact information for persons to contact regarding the Facilities for emergencies and routine situations.

16. A summary of handling and disposal of solids removed from the Facilities during the calendar year, as specified in Section II.J.

17. A discussion of compliance and corrective actions taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the WDRs Order.

If, in the opinion of the Executive Officer, the Discharger fails to comply with the provisions of this Order, the Executive Officer may refer this matter to the Attorney General for judicial enforcement, may issue a complaint for administrative civil liability, or may take other enforcement actions. Failure to comply with this Order may result in the assessment of Administrative Civil Liability of up to $10,000 per violation, per day, depending on the violation, pursuant to the Water Code, including sections 13268, 13350 and 13385. The Central Valley Water Board reserves it's right to take any enforcement actions authorized by law.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resources Control Board to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Resources Control Board must receive the petition by 5:00 p.m., 30 days after the date of this MRP, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Resources Control Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the internet (http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided on request.

The Discharger shall begin implementation of the above monitoring program starting 1 July 2026.

I, PATRICK PULUPA, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of the Monitoring and Reporting Program R5-2026-0033 issued by the California Regional Water Quality Control Board, Central Valley Region, on 4 June 2026.

Ordered by: Digitally signed by Patrick Pulupa Date: 2026.06.29 18:14:06 -07'00'

PATRICK PULUPA, Executive Officer

IV. GLOSSARY

BOD_5	Five-day biochemical oxygen demand
$CaCO_3$	Calcium carbonate
DO	Dissolved oxygen
EC	Electrical conductivity at 25° C
FDS	Fixed dissolved solids
TDS	Total dissolved solids
TKN	Total Kjeldahl nitrogen
Continuous	The specified parameter shall be measured and logged by a meter continuously.
Daily	Once per day
1/Week	Once per week
1/Month	Once per month
2/Month	Twice per month in non-consecutive weeks
1/Year	Once per year
2/Year	Twice per year
mg/L	Milligrams per liter
mg/kg	Milligrams per kilogram
mL/L	Milliliters [of solids] per liter
µg/L	Micrograms per liter
µmhos/cm	Micromhos per centimeter
gpd	Gallons per day
mgd	Million gallons per day
General Minerals	Analysis shall include alkalinity (as $CaCO_3$), bicarbonate (as$CaCO_3$), boron, calcium, carbonate (as $CaCO_3$), chloride, magnesium, nitrate as N, phosphate, potassium, sodium, sulfate, and verification that the analysis is complete (i.e., cation/anion balance).
Standard Fertility Assay	Saturation percentage, pH, EC, calcium, magnesium, sodium, ESP, boron, gypsum requirement or lime requirement (buffer pH), NO_3-N, PO_4-P, potassium, zinc, chloride