CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

TENTATIVE MONITORING AND REPORTING PROGRAM ORDER R5-2025-XXXX FOR PACIFIC COAST PRODUCERS, INC. OROVILLE PROCESSING FACILTIY AND PALERMO LAND APPLICATION AREA BUTTE COUNTY

This Monitoring and Reporting Program Order (MRP), which is separately issued pursuant to 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 R5-2025-XXXX (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.

Pacific Coast Producers, Inc. (Discharger) owns and operates a fruit processing facility (Facility). 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.

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 pipleline) and liquid type. The measurements may be based on flow meter readings or pump run time estimate. 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
EFF	Location where a representative sample of process wastewater can be obtained prior to discharge to the LAA.
SOURCE	Production facility source water
SIW	Location where a representative sample of the supplemental irrigation water can be obtained.
MW-1, MW-2, MW-3, MW-4, and MW-H	Groundwater monitoring well locations.
PND	Wastewater Pond
LAA	Land Application Area

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, 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* (U.S. EPA);
- *Test Methods for Evaluating Solid Waste* (U.S. EPA);
- *Methods for Chemical Analysis of Water and Wastes* (U.S. EPA);
- *Methods for Determination of Inorganic Substances in Environmental Samples* (U.S. EPA);
- *Standard Methods for the Examination of Water and Wastewater* (American Public Health, American Water Works Association); and
- *Soil, Plant and Water Reference Methods for the Western Region* (Western Coordinating Committee on Nutrient Management).

Approved editions shall be those that are approved for use by the United States Environmental Protection Agency (U.S. 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. EFFLUENT MONITORING

The Discharger shall monitor the discharge of its process wastewater to the LAA. Samples shall be representative of the volume and nature of the discharge. Time of collection of all samples shall be recorded. Effluent monitoring shall include at least the following:

Table 2 – Effluent Monitoring

Constituent	Units	Sample Type	Monitoring Frequency	Reporting Frequency
Flow	Gpd	Meter	Continuous	Quarterly
pH	s.u.	Grab	Weekly when discharge occurs	Quarterly
Specific Conductance	µmhos/cm	Grab	Weekly when discharge occurs	Quarterly
Total Dissolved Solids	mg/L	Grab	Weekly when discharge occurs	Quarterly
Fixed Dissolved Solids	mg/L	Grab	Weekly when discharge occurs	Quarterly
Biochemical Oxygen Demand	mg/L	Grab	Weekly when discharge occurs	Quarterly
Chemical Oxygen Demand	mg/L	Grab	Weekly when discharge occurs	Quarterly
Total Kjeldahl Nitrogen	mg/L	Grab	Weekly when discharge occurs	Quarterly
Total Nitrogen	mg/L	Grab	Weekly when discharge occurs	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Weekly when discharge occurs	Quarterly
General Minerals[1]	mg/L or µg/L	Grab	Annually	Annually

Table Note:

1. General minerals shall include, at a minimum, the following elements/compounds: Total Alkalinity (including Alkalinity series), Boron, Calcium, Chloride, Hardness, Magnesium, Potassium, Sodium, and Sulfate.

B. POND MONITORING

Freeboard shall be visually monitored vertically from the surface of the water to the lowest elevation of the berm. Samples for dissolved oxygen shall be collected at a depth of one foot below the surface of the water opposite the inlet. At a minimum, the pond shall be monitored as specified below:

Table 3 - Pond Monitoring

Constituent	Units	Sample Type	Monitoring Frequency	Reporting Frequency
Dissolved Oxygen	mg/L	Grab	Monthly	Quarterly
Freeboard	0.1 feet	Observation	Monthly	Quarterly
Odors	---	Observation	Monthly	Quarterly
Berm Condition	---	Observation	Monthly	Quarterly

C. GROUNDWATER MONITORING

The Discharger shall maintain the groundwater monitoring well network. If a groundwater monitoring well is dry for more than four consecutive sampling events or is damaged, the Discharger shall submit a work plan and proposed time schedule to replace the well. The well shall be replaced following approval of the work plan.

Prior to construction of any groundwater monitoring wells, the Discharger shall submit plans and specifications for approval. Once installed, all new wells shall be added to the groundwater monitoring network.

Prior to purging or sampling, the groundwater depth shall be measured in each well to the nearest 0.01 feet. Groundwater elevations shall then be calculated to determine groundwater gradient and flow direction.

Low or no-purge sampling methods are acceptable if described in an approved Sampling and Analysis Plan. Otherwise, each monitoring well shall be purged of at least 3 to 5 casing volumes until pH, electrical conductivity, and turbidity have stabilized prior to sampling. Groundwater monitoring for all monitoring wells shall include, at a minimum, the following:

Table 4 - Groundwater Monitoring

Constituent	Units	Sample Type	Monitoring Frequency[4]	Reporting Frequency[4]
Depth to Groundwater[1]	0.01 feet	Measurement	Quarterly	Quarterly
Groundwater Elevation	0.01 feet	Calculation	Quarterly	Quarterly
Gradient	feet/feet	Calculation	Quarterly	Quarterly
Gradient Direction	Degrees	Calculation	Quarterly	Quarterly
pH	Standard Unit	Grab	Quarterly	Quarterly
Specific Conductance	µmhos/cm	Grab	Quarterly	Quarterly
Oxidation Reduction Potential	millivolts	Grab	Quarterly	Quarterly
Total Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Fixed Dissolved Solids	mg/L	Grab	Quarterly	Quarterly
Biochemical Oxygen Demand	mg/L	Grab	Quarterly	Quarterly
Total Kjeldahl Nitrogen	mg/L	Grab	Quarterly	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly	Quarterly
Ammonia as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Nitrate as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Nitrite as Nitrogen	mg/L	Grab	Quarterly	Quarterly
Iron, total and dissolved	µg/L	Grab	Quarterly	Quarterly
Arsenic, total and dissolved	µg/L	Grab	Quarterly	Quarterly
Manganese, total and dissolved	µg/L	Grab	Quarterly	Quarterly
Aluminum, total and dissolved	µg/L	Grab	Quarterly	Quarterly
Hardness	mg/L	Grab	Quarterly	Quarterly
Alkalinity	mg/L	Grab	Quarterly	Quarterly
Metals, Dissolved[2]	µg/L	Grab	Annually	Annually
General Minerals[3]	mg/L or µg/L	Grab	Annually	Annually

Table Notes:

1. Groundwater elevations shall be determined based on depth-to-water measurements using a surveyed elevation reference point on the well casing.
2. Samples for metals shall be filtered prior to preservation and digestion using a 0.45-micron filter. Metals shall include, at a minimum, the following: Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium (Total and Hexavalent), Cobalt, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc.
3. General minerals shall include, at a minimum, the following elements/compounds: Total Alkalinity (including Alkalinity series), Boron, Calcium, Chloride, Hardness, Magnesium, Potassium, Sodium, and Sulfate.
4. Upon Executive Officer approval, sampling frequency may be reduced after two consecutive years of data has been analyzed and submitted.

D. LAND APPLICATION AREA MONITORING

Daily Pre-Application Inspections

The Discharger shall inspect the LAAs at least once daily prior to and during irrigation events, and observations from those inspections shall be documented for each field to be irrigated on that day:

1. Evidence of erosion;
2. Containment berm condition;
3. Condition of above-ground pipes, flow control valves, sprinklers, and/or drip emitters(as applicable);
4. Open and closed valves;
5. Soil saturation;
6. Ponding;
7. Irrigation supply and tailwater ditch condition and potential for runoff to off-site areas;
8. Potential and actual discharge of waste to surface water;
9. Odors that have the potential to be objectionable at or beyond the property boundary; and
10. Insects (e.g., flies, mosquitoes).

11. Any corrective actions taken based on observations made.

A summary of the above findings shall be submitted as part of the Quarterly Monitoring Report. If no irrigation with wastewater takes place during a given month, then the monitoring report shall so state.

Land Application Monitoring

The Discharger shall perform the following routine monitoring and loading calculations for each discrete LAA each day when water is applied.

Table 5 – Land Application Area Monitoring

Constituent	Units	Sample Type	Monitoring Frequency	Reporting Frequency
Wind Speed	mph	Meter	Daily	Quarterly
Precipitation[1]	inches	Rain Gauge	Daily	Quarterly
Acreage Applied	Acres	Calculated	Daily	Quarterly
Wastewater Application Rate	Gallons	Meter	Daily	Quarterly
Supplemental Irrigation Water Rate	Gallons	Meter	Daily	Quarterly
BOD Loading Rate[2]	lbs/acre/day	Calculated	-	Quarterly
Total Nitrogen Loading Rate[2]	lbs/acre	Calculated	-	Quarterly

Table notes:

1. Precipitation data can be obtained from the Nearest National Weather Service rain gauge.
2. Loading rates shall be calculated using the methods specified in WDRs Requirements, Section E.

E. SOURCE WATER MONITORING

A sampling station shall be established where a representative sample of the source water can be obtained. Source water monitoring shall include at least the following.

Table 6 – Source Water Monitoring

Constituent	Units	Sample Type	Monitoring Frequency	Reporting Frequency[1]
pH	Standard Unit	Grab	Annually	Annually
Total Dissolved Solids	mg/L	Grab	Annually	Annually
Nitrate as Nitrogen	mg/L	Grab	Annually	Annually
General Minerals[2]	mg/L or µg/L	Grab	Annually	Annually

Table notes:

1. For potable water only, the Discharger may submit a copy of the most current Department of Public Health Consumer Confidence Report or analytical results submitted to the County Environmental Health Department or California Department of Public Health, as applicable.
2. Standard minerals shall include, at a minimum, the following: boron, calcium, chloride, iron, magnesium, manganese, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and hardness.

F. SOLIDS MONITORING

The Discharger shall monitor the residual solids generated and disposed of on a monthly basis. The following shall be monitored and reported:

1. Volume of Solids Generated. Solids may include pomace, seeds, stems, diatomaceous earth, screenings, pond solids, and sump solids, or other material.
2. Volume Disposed of Off-site. Describe the disposal method (e.g. animal feed, land application, off-site composting, landfill, etc.); the amount disposed (tons); and the name of the hauling company.
3. Volume Disposed of On-site. Describe the amount disposed (tons); location of on-site disposal (e.g. land application area field); method of application, spreading, and incorporation; application rate (tons/acre), and weekly grab sample analysis for total nitrogen.

G. SUPPLEMENTAL IRRIGATION WATER SUPPLY MONITORING

A sampling station shall be established at each supplemental irrigation water source where a representative sample can be obtained. Water supply monitoring shall include at least the following:

Table 7 – Supplemental Irrigation Water Supply Monitoring

Constituent/Parameter	Units	Sample Type	Monitoring and Reporting Frequency[1]
pH	S.U.	Grab	Annually
Nitrate (NO_3) as N	mg/L	Grab	Annually
Total Dissolved Solids (TDS)	mg/L	Grab	Annually
Fixed Dissolved Solids (FDS)	mg/L	Grab	Annually
Standard Minerals[2]	mg/L	Grab	Annually

Table notes:

1. For potable water only, the Discharger may submit a copy of the most current Department of Public Health Consumer Confidence Report or analytical results submitted to the County Environmental Health Department or California Department of Public Health, as applicable.
2. Standard minerals shall include, at a minimum, the following: boron, calcium, chloride, iron, magnesium, manganese, potassium, sodium, sulfate, total alkalinity (including alkalinity series), and hardness.

III. REPORTING REQUIREMENTS

All monitoring reports 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 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to the following address:

Central Valley Regional Water Quality Control Board
Region 5 – Redding
364 Knollcrest Dr., Suite 205
Redding, California 96002

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or transmittal sheet:

Program: Non-15
Facility: Pacific Coast Producers Oroville Processing Facility and Palermo Land Application Area
Order: MRP R5-2025-XXXX
County: Butte
Place ID: 246245

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 **1st day of the second month after the quarter** (i.e., the 1st Quarter [January – March] quarterly report is due 1st May). Each Quarterly Monitoring Report shall include the following:

1. Results of **Effluent Monitoring**, including calculating the maximum daily and monthly average flow for each month.

2. Results of **Pond Monitoring**

3. Results of **Groundwater Monitoring**

4. Results of **Land Application Area Monitoring**

5. Results of **Solids Monitoring**

6. Copies of laboratory analytical reports.

7. A discussion of annual chemical usage at the Facility that would be discharged to the process waste water(e.g., chemical name, purpose, and quantity used).

8. 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/ANNUAL MONITORING REPORT

In addition to the above information, the fourth quarter monitoring report, due **1st February of each year,** shall include the following:

1. Results of **Source Water Monitoring**

2. Results of **Supplemental Irrigation Water Supply Monitoring**

3. Total annual influent flow, average monthly flows for each month of the year, and the average dry weather flow compared to the flow limitations of the WDRs.

4. Concentration vs. time graphs for each monitored constituent using all historic groundwater monitoring data. Each graph shall show the background groundwater concentration range and the Groundwater Limitation as horizontal lines at the applicable concentration.

5. An evaluation of the groundwater quality beneath the site and determination of whether any water quality objectives or groundwater limitations were exceeded in any compliance well during the calendar year. This shall be determined by comparing the annual average concentration for each well during the calendar year to the corresponding water quality objective.

6. Geochemical analysis of the groundwater underlying the process wastewater holding pond that includes stiff diagrams overlying the water table, total cation/anion balance, and diagrams showing analytes versus the water table.

7. A summary of information on the disposal of sludge and/or solid waste during the calendar year.

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

9. Monitoring equipment maintenance and calibration records, as described in Standard Provisions & Reporting Requirements dated 1 March 1991 (SPRRs), Standard Provision C.4.

10. A discussion of any data gaps and potential deficiencies or redundancies in the monitoring system or reporting program.

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

12. Tabulated summary of all monitoring data collected over the year.

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 $1,000 per violation per day, depending on the violation, pursuant to Water Code section 13268. The Central Valley Water Board reserves its 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 implement the above monitoring program **1 March 2025.**

I, PATRICK PULUPA, Executive Officer, do hereby certify the forgoing is a full, true and correct copy of the Monitoring and Reporting Program R5-2025-XXXX issued by the California Regional Water Quality Control Board, Central Valley Region, on XX February 2025.

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PATRICK PULUPA, Executive Officer

IV. GLOSSARY

Continuous	The specified parameter shall be measured by a meter continuously.
mg/L	Milligrams per liter
µg/L	Micrograms per liter
µmhos/cm	Micromhos per centimeter
s.u.	Standard pH units