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## Central Valley Regional Water Quality Control Board

14 July 2022

Michael Gonzalez  
Boundary Bend Olives, Inc  
455 Harter Ave.  
Woodland, CA 95776

Sue Schwarzgruber  
938 Jordan Circle  
Woodland, CA 95695

**CERTIFIED MAIL**  
**7021 0950 0000 9918 6348**

**CERTIFIED MAIL**  
**7021 0950 0000 9918 6355**

### **NOTICE OF APPLICABILITY**

**WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR SMALL FOOD PROCESSORS, WINERIES, AND RELATED AGRICULTURAL PROCESSORS WITHIN THE CENTRAL VALLEY REGION  
ORDER R5-2020-0002-0091  
BOUNDARY BEND OLIVES, INC; SUE SCHWARZGRUBER  
BOUNDARY BEND OLIVES  
YOLO COUNTY**

On 20 February 2020, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) adopted the Conditional Waiver of Waste Discharge Requirements for Small Food Processors, Wineries, and Related Agricultural Processors within the Central Valley Region, Order R5-2020-0002 (the Waiver). We are in receipt of your Report of Waste Discharge (RWD) submitted on 15 February 2022. Based on the information provided in the RWD, we have determined that the discharge meets the required conditions for approval under the Waiver Tier 3 Category. You are hereby assigned Order R5-2020-0002-0091. A copy of the Waiver is enclosed and also available at the [State Water Boards Adopted Orders \(Waivers\) webpage](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/#waivers) ([http://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders/#waivers](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/#waivers))

You should familiarize yourself with the contents of the Waiver, including the Conditions of Discharge (Waiver Attachment A) and Monitoring and Reporting Program (Waiver Attachment B). Residual solid wastes (pomace, consisting of olive flesh, skins, and pits) must be managed and discharged in accordance with the requirements contained in the Conditions of Discharge and with the information submitted in the RWD.

## DISCHARGE DESCRIPTION

Boundary Bend Olives (Facility) is an olive oil production facility located at 455 Harter Avenue, Woodland in Yolo County. The Facility is owned and operated by Boundary Bend Olives, Inc. Residual solids generated at the Facility is land applied to multiple parcels that are owned by Boundary Bend Olives or Sue Schwarzgruber. Boundary Bend and Sue Schwarzgruber are collectively considered the Discharger and responsible for compliance with the Waiver. Tier 3 of the Waiver allows land application of up to 1,000,000 gallons of wastewater per year for irrigation of landscaping or crops and land application of residual solids associated with that volume of wastewater. A minimum of one acre of land application area per 100,000 gallons of discharged wastewater and associated residual solids is required. Any process wastewater or residual solids generated in excess of those amounts must be disposed of off-site at an appropriately permitted facility.

The processing season is from September through November, depending on harvest. Based on information in the RWD, approximately 570,000 gallons of process wastewater and approximately 19,700 wet tons of pomace was generated during the 2021 season. Process wastewater is discharged to an on-site sump. The sump contents are screened, and the liquid is conveyed to the sewer system that discharges to the City of Woodland Wastewater Treatment Facility (WWTF). The Discharger operates and maintains an oil and grease interceptor for the liquids discharged to the sewer system. Process wastewater discharged to the City's WWTF is monitored for flow and pH. The screened material (residual solids/pomace) is temporarily collected in an above-ground hopper prior to land application. Residual solids generated varies in moisture content (approximately 30 to 60 percent) and resembles a semiliquid mixture. Residual solids resulting from the generation of 1,000,000 gallons of process wastewater shall be discharged at reasonable agronomic rates in accordance with the Waiver. Any residual solids in excess of those amounts must be disposed of at an appropriately permitted site.

The Discharger administers the distribution and application of solids as a soil amendment to land application areas (LAAs) totaling approximately 959 acres located within the Woodland and Zamora area in Yolo County. Ownership of the LAAs is summarized in the table below. Location of the LAAs is shown in **Attachment A**.

<b>Boundary Bend Property (Approximately 637 total acres)</b>	<b>Sue Schwarzgruber Property (Approximately 322 total acres)</b>
054-220-013 (197 acres)	054-220-003 (60 acres)
054-220-014 (117 acres)	054-220-004 (160 acres)
054-220-016 (125 acres)	054-190-011 (80 acres)
054-220-017 (198 acres)	054-230-015 (22 acres)

The LAAs will be cropped that may include the production of annual grass for grazing or wheat that is harvested both mechanically and manually. Solids will be distributed using a sealed tank with side chute. Management of the solids including discing after application and applying solids at low application rates are measures that will be used to reduce nuisance conditions.

## **MONITORING AND REPORTING**

In lieu of Attachment B, Monitoring and Reporting Program of the Waiver, the Discharger shall comply with **Monitoring and Reporting Program (MRP) R5-2022-0812**, which is enclosed. Please review the Monitoring and Reporting Program closely and establish the appropriate record keeping system so that you are able to complete the required Monthly and Annual Monitoring Report.

## **GENERAL INFORMATION AND REQUIREMENTS**

The Waiver includes specific and general conditions with which you must comply. You must maintain control over the discharge and operate in accordance with the information provided in your RWD and this Notice of Applicability (NOA). The land application of wastes is subject to the specific and general conditions, Sections C and D, respectively of the Waiver as it pertains to Tier 3 and this NOA, including the following:

1. Land application of solids for use as dust and erosion control on internal farm roads is prohibited.
2. Waste discharged to the City of Woodland Wastewater Treatment Facility is not subject to the conditions of the Waiver and this NOA.

Please review this NOA carefully to ensure that it completely and accurately reflects the facility name, location, and details of the proposed discharge. Failure to comply with the requirements of the Waiver may result in enforcement action as authorized by provisions of the California Water Code, which could include civil liability. Discharge of wastes not described in the RWD is prohibited. If the method of waste disposal changes from that described in your RWD, you must submit an updated RWD to describe the new operation.

Please note that the current Waiver will expire on **20 February 2025**, after which you must do one of the following:

1. Submit a new NOI with a filing fee (if required) to obtain coverage under a subsequently adopted waiver,
2. Submit a NOI with a filing fee to apply for individual or general Waste Discharge Requirements, or
3. Cease the discharge.

## **SALT AND NITRATE CONTROL PROGRAMS**

As part of the Central Valley Salinity Alternatives for Long Term Sustainability (CVSALTS) initiative, the Central Valley Water Board adopted Basin Plan amendments (Resolution R5-2018-0034) incorporating new programs for addressing ongoing salt and nitrate accumulation in the Central Valley at its 31 May 2018 Board Meeting.

For the Salt Control Program, the Central Valley Water Board issued the Discharger a Notice to Comply (**CV-SALTS ID: 3016**). On 4 November 2021, the Discharger submitted a Notice of Intent and elected to join the Priority and Optimization Study (or P&O Study) under Pathway Option 2.

For the Nitrate Control Program, the land application areas fall within a Priority 2 Basin. A Notice to Comply will be issued within 2 to 4 years of approval of the Nitrate Control Program, between late 2022 and late 2024 for Priority 2 Groundwater Basins.

More information on the [Salt and Nitrate Control Program](https://www.cvsalinity.org/public-info) may be found on the internet (<https://www.cvsalinity.org/public-info>).

## **DOCUMENT SUBMITTALS**

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to: [centralvalleysacramento@waterboards.ca.gov](mailto:centralvalleysacramento@waterboards.ca.gov).

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 any documentation submitted to the mailing address for this office:

Facility Name: Boundary Bend Olive, Yolo County  
Program: Non-15 Compliance  
Order: R5-2020-0002-0091  
CIWQS Place ID: 848457

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to:

Central Valley Regional Water Quality Control Board  
ECM Mailroom  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, CA 95670

Now that the NOA has been issued, the Board's Compliance and Enforcement section will take over management of your case. Brendan Kenny is your new point of contact for any questions about the Waiver. If you find it necessary to make a change to your permitted operations, Brendan will direct you to the appropriate Permitting staff. You may contact Brendan at (916) 464-4635 or at [brendan.kenny@waterboards.ca.gov](mailto:brendan.kenny@waterboards.ca.gov).

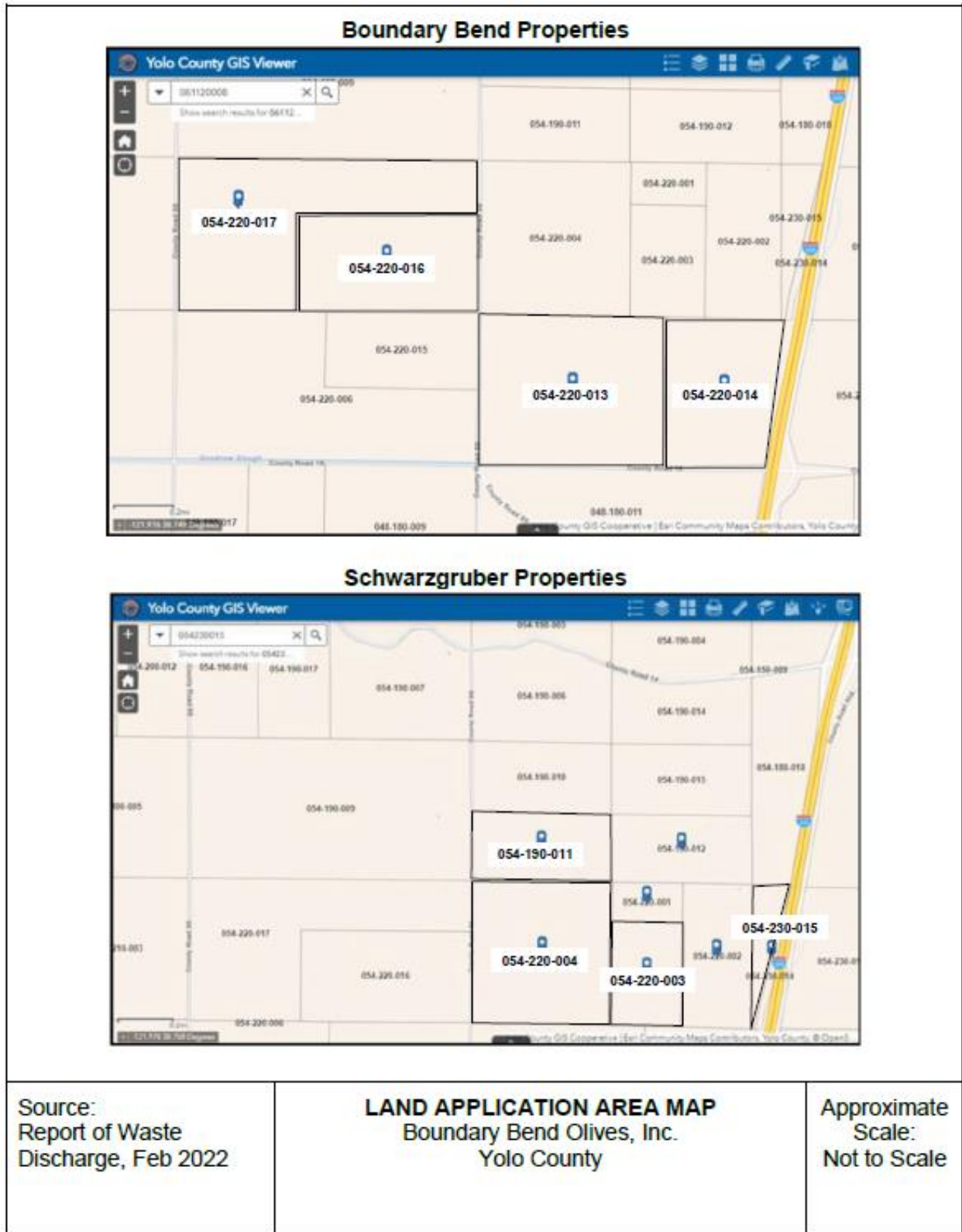
for Patrick Pulupa  
Executive Officer

Attachments: Attachment A – Land Application Area Map  
Monitoring and Reporting Program (MRP) R5-2022-0812

Encl: Conditional Waiver of WDRs, Order R5-2020-0002 (Discharger only)

Cc via email: Debbie Anderson, Yolo County Environmental Health Department  
Claudia Street, Boundary Bend Olives, Woodland  
Conor Churchin, Boundary Bend Olives, Woodland  
Ciriaco Chavez, Boundary Bend Olives, Woodland  
Howard Hold, CVWQCB, Rancho Cordova,  
Brendan Kenny, CVWQCB, Rancho Cordova

**ATTACHMENT A**



**TO:** Rob Busby  
Supervising Geologist

**FROM:** Scott Armstrong  
Senior Engineering Geologist  
P.G. #6787, C.H.G. #620

Lani Andam  
Water Resource Control Engineer

**DATE:** 1 June 2022

**APPLICABILITY OF COVERAGE UNDER CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR SMALL FOOD PROCESSORS, WINERIES, AND RELATED AGRICULTURAL PROCESSORS WITHIN THE CENTRAL VALLEY REGION, ORDER R5-2020-0002; BOUNDARY BEND OLIVES; YOLO COUNTY**

Central Valley Water Board staff reviewed the Report of Waste Discharge (RWD) submitted on 15 February 2022 for coverage under the Waiver Tier 3 category. The RWD consisted of a Form 200 and technical information form for a Tier 3 facility, which was submitted by Blankinship & Associates, Inc. and prepared by Michael S. Blankinship, a California registered professional engineer. An electronic payment of the application fee was paid on 28 January 2022 (Confirmation Number: 02862336418127). This memorandum provides a summary of Central Valley Water Board staff's review of the RWD and the applicability that the existing discharge is eligible for enrollment under the Waiver.

**DISCHARGE DESCRIPTION**

The Discharger proposes to land apply residual solid wastes (pomace consisting of olive flesh, stems, and pits) generated from their olive oil production operations. Based on the information provided in the RWD, approximately 570,000 gallons of process wastewater and approximately 19,700 wet tons of pomace was generated during the 2021 season. Tier 3 of the Waiver allows land application of up to 1,000,000 gallons of wastewater per year for irrigation of landscaping or crops and land application of residual solids associated with that volume of wastewater. Residual solids resulting from the generation of 1,000,000 gallons of process wastewater shall be discharged at reasonable agronomic rates in accordance with the Waiver. Any residual solids in excess of those amounts must be disposed of at an appropriately permitted site. Waste discharged to the City of Woodland Wastewater Treatment Plant is not subject to regulation under the Waiver.

Boundary Bend Olives, Inc. administers the distribution and application of residual solids; ensures that the application and use of wastes is suitable for a direct beneficial use and not disposal; and will properly manage and handle the application operations to minimize nuisance conditions and prevent discharges into wetlands, surface waters, or surface water drainage courses. The LAAs will be cropped including the use for the production of annual grass for grazing or cropped with wheat. Application areas that

harvest a crop is considered best practicable treatment and control. Crops can take up nutrients (nitrogen), salinity, and various dissolved minerals found in the discharge, that could impact groundwater. Based on the Manual of Good Practice for Land Application of Food Processing/Rinse Water, typical salt removal for winter wheat is approximately 1,321 pounds per acre per year (lb/ac/yr). Nitrogen removal for forage crops can vary from 115 to 600 lb/ac/year. The Discharger will manage the waste including discing after application and applying at low application rates to reduce nuisance conditions. Best management practices will be performed to prevent the runoff of the waste and/or leachate off-site or into any surface water body. Based on these conditions and the available application areas, the waste meets the conditions for regulatory coverage under the Waiver.

The Discharger has proposed waste application for use as dust and erosion control on internal farm roads. Section C.16.e Specific Conditions of the Waiver allows the use of grape stems or other dry, non-putrescible matter (e.g., dry nut hulls) that have been segregated from the rest of the residual solids to be applied to the Discharger's property, including dirt roads, for erosion or dust control. However, the matter must be dry and non-putrescible. The Discharger has not provided additional information regarding use of the waste as dust and erosion control. Therefore, solids use as dust and erosion control on internal farm roads is prohibited.

The Discharger has plans to expand their operations, which would increase solids production and are exploring other alternatives to solids management, including pond use. In anticipation of this expansion, additional monitoring data is necessary to characterize the discharge. Therefore in lieu of the Monitoring and Reporting Program of the Waiver, a site-specific Monitoring and Reporting Program is being issued.