
Central Valley Regional Water Quality Control Board

15 October 2019

CERTIFIED MAIL
91 7199 9991 7035 8420 3774

Sheikh Selim
PHL Associates, Inc.
24711 County Road 100A
Davis, CA 95616

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Jeff Wichmann
915 28th Street
Sacramento, CA 95816

NOTICE OF APPLICABILITY
WATER QUALITY ORDER 2003-0003-DWQ
STATEWIDE WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES TO LAND
WITH A LOW THREAT TO WATER QUALITY
JEFF WICHMANN
PHL ASSOCIATES, INC.
YOLO COUNTY

On 23 September 2019, Jeff Wichmann submitted a Notice of Intent (NOI) to obtain coverage under Water Quality Order 2003-0003-DWQ, *Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality* (hereafter General Order) for wastewater discharges from PHL Associates, Inc. in Yolo County. The submittal contains all the information required to evaluate applicability of the General Order; therefore, the NOI is considered complete. Based on the information provided in the NOI, the discharge meets the conditions of the General Order. The discharge is hereby covered under the General Order and assigned enrollee number 2003-0003-DWQ-0200. Please include this number on all correspondence related to this discharge.

FACILITY LOCATION AND DESCRIPTION

Jeff Wichmann (Discharger) owns PHL Associates, Inc. (Laboratory), a small laboratory that has been manufacturing veterinary vaccines since the 1960s. The laboratory is located at 24711 County Road 100A, north of the University of California, Davis and east of Highway 113.

The laboratory is in an area without a public water supply or regional wastewater collection system. Potable water is sourced from an on-site well. Domestic wastewater (from the bathrooms and non-laboratory sinks) is discharged to a county permitted septic leach field system.

The laboratory generates liquid hazardous and non-hazardous wastes. Liquid hazardous waste (mercury-based and formalin-based) is captured in a separate tank and hauled off-site for disposal. Liquid non-hazardous waste consists of cooling water from the fermenter heat exchanger, boiler blowdown, condensation water from the autoclaves, and reject water from the reverse osmosis (RO) system. Prior to 2017, liquid non-hazardous waste collected in a separate tank was discharged to a non-engineered pond that is eighteen feet in diameter and 6 feet deep. Currently, liquid non-hazardous waste collected in the tank is disposed of off-site at a municipal wastewater treatment facility.

PROPOSED DISCHARGE

The Discharger proposes to segregate the RO waste for off-site disposal and land apply the remaining non-hazardous waste consisting of water from the fermenter heat exchanger, boiler, and autoclaves. Water from the fermenter heat exchanger, boiler, and autoclaves (hereby wastewater) will continue to be collected in a tank prior to land discharge. Intermittent discharges of approximately 390 gallons per day (gpd) of wastewater are anticipated. Characterization of the potable water supply and each waste source for land application based on a one-time sample is summarized below.

Water Source	Units	Total Dissolved Solids	Nitrate
Potable Water	mg/L	790	17
Heat Exchanger	mg/L	850	15
Boiler and Autoclave	mg/L	11	0.18

Wastewater will be applied via sprinkler system to approximately 5 acres, currently cropped with native grasses and marigolds, and the landscaped areas within the PHL property as shown on Attachment A. No RO waste will be land applied. Supplemental irrigation water will be used to meet the crop water demands and ultimately help reduce the salinity concentration of the wastewater quality. Discharges will be contained within the PHL property; there is no anticipated discharge to surface waters, storm drain systems, etc. The topography in the area is flat.

This Notice of Applicability (NOA) authorizes wastewater application to the PHL property under the Miscellaneous Category of Low Threat Discharges. Sampling, monitoring, and reporting requirements applicable to your discharge must be completed in accordance with the attached site-specific Monitoring and Reporting Program (MRP) R5-2019-0908.

The Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, revised May 2018 (hereafter Basin Plan), designates beneficial uses, establishes water quality objectives, contains implementation plans and policies for protecting waters of the basin, and incorporates by reference plans and policies adopted by the State Water Board. Pursuant to §13263(a) of the California Water Code, waste discharge requirements must implement the Basin Plan.

FACILITY-SPECIFIC REQUIREMENTS

The General Order and this Notice of Applicability (NOA) regulates the land discharge of non-hazardous wastewater consisting of water from the fermenter heat exchanger, boiler, and autoclaves generated at PHL Associates, Inc.

1. Non-hazardous wastewater as described in this NOA shall be disposed of as described in the NOI and in accordance with the requirements contained in the General Order.
2. The discharge at a location or in a manner different from that described in the NOI or this NOA is prohibited.
3. The discharge of RO reject water on the PHL property is prohibited.
4. Except as expressly otherwise provided herein, the Discharger shall comply with applicable sections of the Standard Provisions and Reporting Requirements for Waste Discharge Requirements, March 1991 edition (Standard Provisions), which are attached as Attachment B. Applicable sections include (without limitation) those sections pertaining to monitoring and reporting activities.
5. All technical reports required herein that involve evaluation, 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, section 6735, 7835, and 7835.1. As required by these laws, completed technical reports must bear the signature(s) and seal(s) of the registered professional(s) in a manner such that all work can be clearly attributed to the professional responsible for the work.
5. For the miscellaneous category, monitoring results shall be submitted on a semi-annual basis in accordance with the enclosed site-specific Monitoring and Reporting Program (MRP). For the July through December reporting period, the monitoring report is due 15 February. For the January through June reporting period, the monitoring report is due 15 August.
6. The Discharger shall submit the required annual fee (as specified in the annual billing issued by the State Water Board) until the NOA is officially terminated. To officially terminate coverage, the Discharger shall submit a Notice of Termination (Attachment 4 of the General Order) if and when the wastewater discharge ceases.
7. Failure to abide by the conditions of the General Order, including its monitoring and reporting requirements, and this letter authorizing applicability could result in enforcement actions, as authorized by provisions of the California Water Code.

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.

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: PHL Associates, Inc.
Program: Non-15 Compliance
Order: WQO 2003-0003-DWQ-0200
CIWQS Place ID: 861542

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

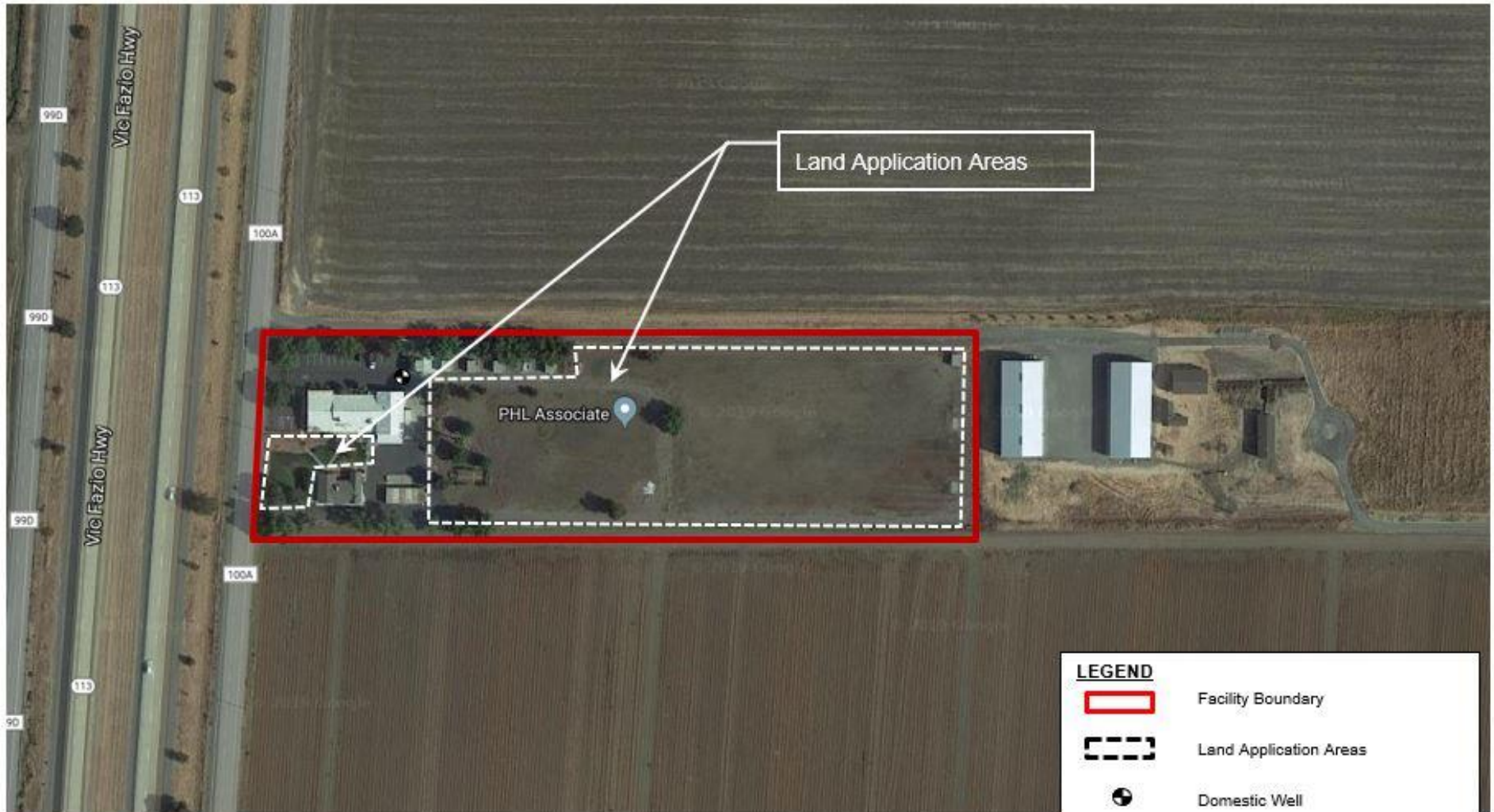
Now that the NOA has been issued, the Board's Compliance and Enforcement section will take over management of your case. Brendan Kenny is your new point of contact for any questions regarding compliance with the Order. All monitoring and technical reports should be submitted to him. The enclosed transmittal sheet shall be included with each monitoring report. 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.

- original signed by Robert Busby for -

Patrick Pulupa
Executive Officer

enc: Water Quality Order No. 2003-0003-DWQ
MRP R5-2019-0908
Attachment A, Site Plan
Attachment B, Standard Provisions and Reporting Requirements for Waste
Discharge Requirements, March 1991 ed. (Standard Provisions)
Monitoring Report Submittal Transmittal Form

cc w/o enc: Tim O'Brien, State Water Resources Control Board, Sacramento (via email)
Yolo County Environmental Health Department, Woodland



Drawing Reference:
Google Earth July 2019



Not to Scale

SITE PLAN
PHL ASSOCIATES
YOLO COUNTY