

Central Valley Regional Water Quality Control Board

9 March 2016

CERTIFIED MAIL

7014 3490 0001 3008 1810

Jeff Gardner, City Manager
City of Plymouth
9426 Main Street
Plymouth, CA 95669

CERTIFIED MAIL

7014 3490 0001 3008 1803

John Sweigart
Rancho Victoria Vineyards
16920 Greilich Road
Plymouth, CA 95669

NOTICE OF APPLICABILITY

WATER QUALITY ORDER 2014-0090, GENERAL WASTE DISCHARGE REQUIREMENTS FOR RECYCLED WATER USE, CITY OF PLYMOUTH WATER RECYCLING PROJECT, AMADOR COUNTY

On 25 January 2016, the City of Plymouth (City) submitted a Notice of Intent (NOI) to obtain coverage under Water Quality Order 2014-0090, *General Waste Discharge Requirements for Recycled Water Use* (hereafter, General Order) for a water recycling project. The City owns and operates a wastewater treatment facility (WWTF) located on Old Sacramento Road approximately two miles west of the City of Plymouth, Amador County. Waste Discharge Requirements (WDRs) R5-2011-0092, adopted by the Central Valley Water Board on 1 December 2011, prescribes requirements for the land discharge of disinfected secondary-23 effluent at the Plymouth WWTF. The City proposes to provide treated wastewater for irrigation use on the Rancho Victoria Vineyards (RVV) located the south and west of the WWTF's effluent storage reservoir, as shown on Attachment A.

On 3 June 2014, the State Water Resources Control Board adopted the General Order, to regulate the use of recycled water for all Title 22 uses except groundwater recharge. In addition, the General Order delegates the responsibility of administering water recycling programs to a designated Administrator to the fullest extent possible. Based on the information provided in the NOI, the proposed water recycling project satisfies the general and specific conditions of the General Order. Therefore, this serves as formal notice that WQO 2014-0090 is applicable to the site and discharge described below. The City of Plymouth will act as the Administrator of the Recycled Water Program. You are hereby assigned WQO 2014-0090-R5006 for this discharge. Please include this number on all correspondence related to this discharge.

WASTEWATER TREATMENT FACILITY

The City's WWTF provides secondary treatment with chlorine disinfection, and consists of the headworks with mechanical screen, three treatment ponds, a chlorination system, an unlined

effluent reservoir, a sludge drying bed, and approximately 85 acres of land application areas for wastewater disposal.

WATER RECYCLING PROJECT AND RECYCLED WATER PROGRAM

The City proposes a Recycled Water Program to provide disinfected secondary-23 effluent for irrigation of use areas at the RVV. The use areas include approximately 125 acres of existing vineyards and 99 acres of planned vineyards, and approximately 600 acres of future potential recycled water use areas, as shown on Attachment A. The treated wastewater from the WWTF's effluent storage reservoir will be filtered at the RVV site and then be applied to the drip irrigation systems in the use areas. Backwash water from the main filter on the RVV will be discharged to an on-site disposal system, which will be regulated under the Amador County Environmental Health Department. The recycled water application rate is estimated to be approximately 45 million gallons per year based on the existing and planned vineyards, and may increase in the future when the 600 acres of potential use areas are added.

The City, as the Administrator, will be responsible for the administration of the Recycled Water Program authorized pursuant to this General Order, including the requirements of Title 22. The City is the recycled water producer and distributor and is responsible for all permit requirements related to the production and distribution of recycled water. The RVV will operate the farm and associated irrigation systems including necessary noticing, monitoring, reporting, and emergency response as detailed in the agreement between the City and RVV.

The City submitted a Title 22 Engineering Report in April 2014 to the State Water Resources Control Board Division of Drinking Water (DDW). The Engineering Report was revised in March and July 2015. The DDW approved the revised Engineering Report on 27 July 2015 without specific conditions.

WATER RECYCLING USE AREA REQUIREMENTS

1. Application of recycled water shall be limited to the uses described in the NOI and this Notice of Applicability (NOA).
2. The production, distribution, and use of recycled water shall be managed in accordance with the NOI, DDW approved Title 22 Engineering Report, and this NOA.
3. The use of recycled water shall not cause pollution or nuisance, as defined by Water Code section 13050.
4. Irrigation with recycled water shall occur only when appropriately trained personnel are on duty.
5. The recycled water shall be at least disinfected secondary-23 water as defined by Title 22, section 60301.
6. Recycled water shall be used in compliance with Title 22, section 60304(c). Regarding particular agricultural uses, recycled water shall be applied in compliance with the following:
 - a. No recycled water used for irrigation, or soil that has been irrigated with recycled water, shall come into contact with the edible portion of food crops that may be eaten raw by humans.

7. As described in the NOI, the City shall maintain the following setback distances from the Use Area:
 - a. 100-foot setback of irrigation from any domestic well, residential structures, or a place where public exposure could be similar to that of a park, playground, or school yard.
 - b. 25-foot setback from property lines.
 - c. 30-foot setback from public roads.
 - d. 25-foot setback from drainage courses.
8. No physical connection shall exist between recycled water piping and any domestic water supply, domestic well or existing potable water systems.
9. Public contact with recycled water shall be controlled using signs and/or other appropriate means on all properties and pipes.
10. Application of recycled water shall be limited to agronomic rates of the crop.
11. The Use Area shall be managed to prevent breeding of mosquitos including no standing water 48 hours after irrigation.
12. The City shall promptly provide notification of any recycled water spills or unauthorized uses.

RECYCLED WATER USE AREA MONITORING AND REPORTING REQUIREMENTS

Requirements for monitoring the recycled water system shall be in accordance with the General Order's Monitoring and Reporting Program. Disinfection system monitoring shall be sampled on a weekly basis and reported in the annual monitoring report. In addition, site inspection reports or monitoring reports as required in the City's Recycled Water Program shall be included in the annual monitoring report. The first monitoring report is due on **1 February 2017** and is to cover the 2016 irrigation season.

DISCHARGE REQUIREMENTS

1. The discharge of recycled water at a location or in a manner different from that described in the NOI is prohibited.
2. The discharge of recycled water to wetlands, surface waters, surface water drainage courses, or biologically sensitive areas, is prohibited.
3. Because backwash water from the main filter will be directed to the on-site disposal system, discharge of filter backwash water to the WWTF's effluent reservoir is prohibited.

GENERAL INFORMATION AND REQUIRMENTS

The City shall comply with the Specifications, Water Recycling Administration Requirements, and General Provisions of the General Order.

Please review this NOA carefully to ensure that it completely and accurately reflects the proposed Recycled Water Program. If the discharge violates the terms or conditions, the Central Valley Water Quality Control Board may take enforcement action, including the assessment of an administrative civil liability. 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.

The required annual fee specified in the annual billing from the State Water Board shall be paid until this NOA is officially terminated. The City must submit in writing a Notice of Termination following completion of the discharge.

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: City of Plymouth Water Recycling Project, Amador County		
Program: Non-15 Compliance	Order: 2014-0090-R5006	CIWQS Place ID: 248753

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

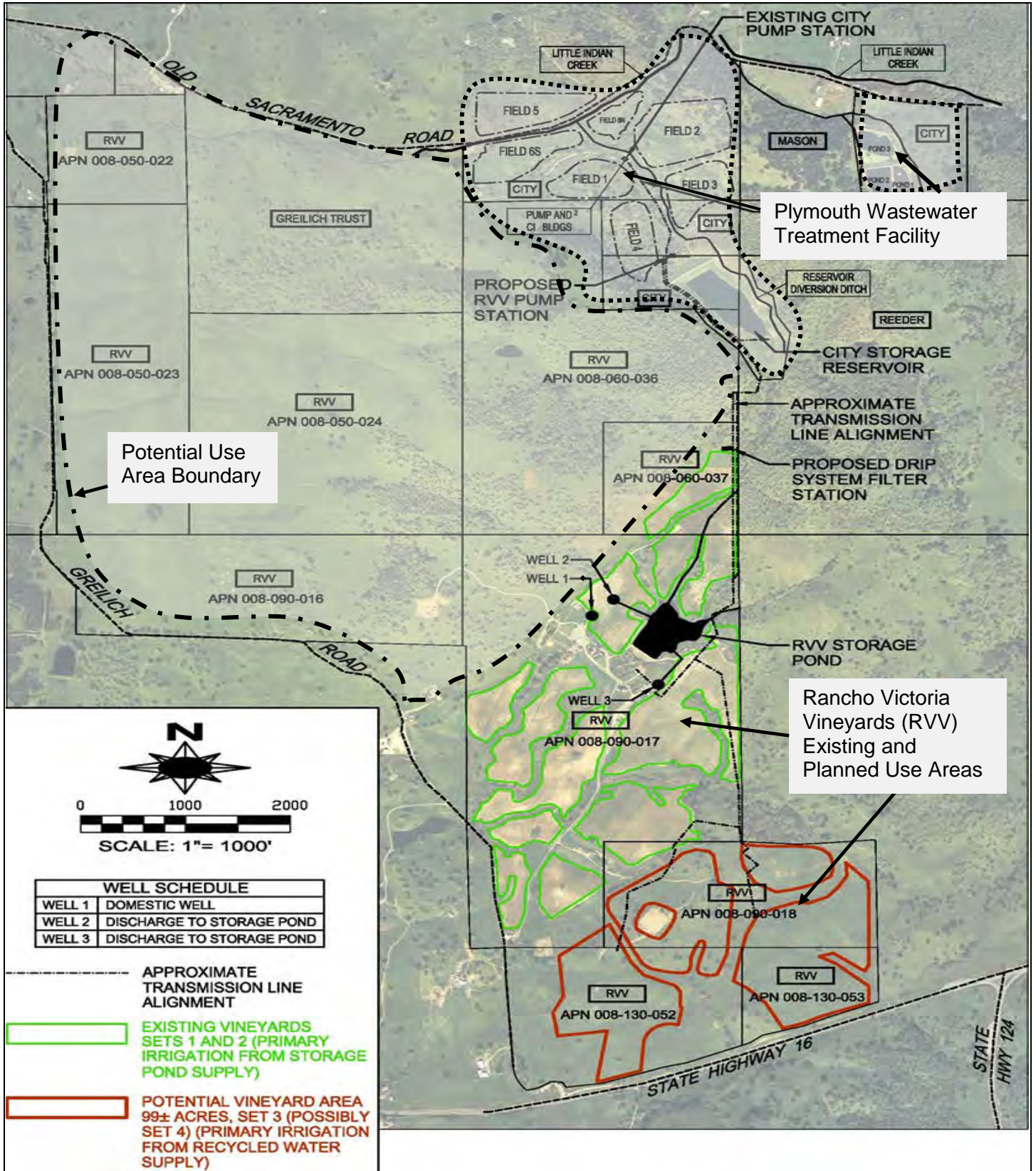
Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

Now that the NOA has been issued, the Board's Compliance and Enforcement section will take over management of your case. All compliance and enforcement questions should be directed to Mr. Kenny Croyle, with the Compliance and Enforcement Section, at (916) 464-4676 or at Kenny.Croyle@waterboards.ca.gov. All technical reports and monitoring reports should be submitted to Mr. Croyle by the compliance due date.


PAMELA C. CREEDON
Executive Officer

Enclosure: Statewide General Waste Discharge Requirements for Recycled Water Use,
Water Quality Order 2014-0090

Cc: Mike Israel, Amador County Environmental Health Department, Jackson
Timothy O'Brien, State Water Resources Control Board, Sacramento
Bhupinder S. Sahota, Division of Drinking Water, Stockton



Drawing Reference:
 Notice of Intent
 City of Plymouth
 January 2016

FACILITY SITE PLAN
 CITY OF PLYMOUTH
 WATER RECYCLING PROJECT
 AMADOR COUNTY