
Central Valley Regional Water Quality Control Board

22 December 2015

Michael Cooke, Municipal Services Director
City of Turlock
Regional Water Quality Control Facility
901 South Walnut Road
Turlock, CA 95380

CERTIFIED MAIL
7014 2120 0001 3978 1664

NOTICE OF APPLICABILITY

STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0090-DWQ GENERAL WASTE DISCHARGE REQUIREMENTS FOR RECYCLED WATER USE CITY OF TURLOCK RECYCLED WATER PROGRAM STANISLAUS COUNTY

Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff reviewed the City of Turlock's 21 May 2015 Notice of Intent (NOI). The NOI was submitted to apply for regulatory coverage under Water Quality Order WQ 2014-0090-DWQ, *General Waste Discharge Requirements for Recycled Water Use* (hereafter, General Order).

The City of Turlock (City) owns and operates the Regional Water Quality Control Facility (Facility) located at 901 S. Walnut Road in Stanislaus County. The Facility is regulated under Waste Discharge Requirements Order R5-2015-0027 (NPDES Permit No. CA0078948) for the discharge of disinfected tertiary treated wastewater to the San Joaquin River. The City proposes to administer a Recycled Water Program to provide tertiary treated water for agricultural, industrial, residential and commercial use activities as approved by the City and identified within Title 22.

The City submitted a Title 22 Engineering Report dated 26 May 2015 to the State Water Resources Control Board Division of Drinking Water (DDW) for review of the proposed recycled water use program. On 18 June 2015, DDW provided comments and required the City to address several concerns and resubmit the Title 22 Engineering Report and associated documents. The City submitted a Revised Title 22 Engineering Report, including the revised associated documents, dated 28 July 2015. In a 29 July 2015 letter to the Regional Water Board Permitting Staff, DDW stated that the Revised Title 22 Engineering Report, including the revised associated documents, was complete and in compliance with the Title 22 regulations.

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 and Revised Title 22 Engineering Report, the proposed water recycling

program satisfies the general and specific conditions of the General Order. Therefore, this serves as formal notice that WQO 2014-0090-DWQ is applicable to the discharge described below. The City of Turlock will act as the Administrator of the Recycled Water Program. You are hereby assigned WQ-2014-0090-R5005 for this discharge. Please include this number on all correspondence related to this discharge.

WASTEWATER TREATMENT FACILITY

The City's Facility consists of screening, grit removal, primary floatation, secondary treatment (activated sludge) for biochemical oxygen demand (BOD) reduction and nitrification, secondary clarification, high rate clarification with chemical addition, tertiary treatment via cloth disk filters, chlorine disinfection and sodium bisulfite dechlorination. The wastewater facilities also include a 37.2 million gallon earthen emergency storage basin, which allows for the diversion and storage of primary effluent if necessary. Solids handling consists of gravity belt thickener, anaerobic digestion, sludge drying beds and beneficial reuse of biosolids via land application to farmland and co-compost for public distribution. In addition, the City provides up to 2 million gallons per day of recycled water for cooling purposes to the Turlock Irrigation District's Walnut Energy Center, a 250 megawatt power plant, and provides an average 100,000 gallons per day of recycled water for irrigation purposes at the Pedretti Park Regional Sports Complex.

RECYCLED WATER PROGRAM

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 City proposes to provide recycled water to property owners and businesses in the geographic areas surrounding and within the City of Turlock. Recycled water use would include industrial users for process water needs; agricultural users for irrigation needs; commercial users for construction water (soil compaction, dust control and cement mixing); and commercial and residential users for landscape irrigation, gardening and water feature needs. Recycled water will be provided to permitted industrial and agricultural users through direct connection to the City's planned recycled water distribution and discharge system. Permitted commercial and residential users will obtain recycled water through drive-up filling stations located at the Regional Water Quality Control Facility or designated location.

Potential recycled water users will be required to obtain a Recycled Water Use Permit from the City. Obtaining a use permit requires completing a Use Permit Application, submitting plans for review and approval, as appropriate and receiving training. Industrial and agricultural users for direct connection to the City's distribution and discharge system shall comply with the requirements of the City's Recycled Water Rules and Requirements, inclusive of Title 22 requirements. Training will cover the approved Title 22 uses; use requirements; prohibited uses and any additional training specific to the distribution and use of recycled water such as procedures for filling station use. Approved commercial haulers and residential users will receive Recycled Water Notice stickers to be placed on any recycled water collection and storage containers and will be able to receive recycled water from designated fill stations during scheduled pickup hours. Commercial haulers will be required to maintain and keep a daily log book of recycled water delivered in each vehicle.

WATER RECYCLING USE REQUIREMENTS

1. 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.
2. Application of recycled water shall be limited to the uses described in 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. The recycled water shall be tertiary disinfected recycled water as defined by Title 22, section 60301.230.
5. The City of Turlock shall promptly notify the Central Valley Water Board of any recycled water spills or unauthorized uses.

MONITORING AND REPORTING REQUIREMENTS

The recycled water system shall be monitored in accordance with the General Order's Monitoring and Reporting Program (MRP). When monitoring requirements listed in the General Order's MRP duplicate existing requirements under other WDRs or waivers, duplication of sampling and monitoring is not required if the monitoring activity satisfies the requirements of the General Order. Disinfection system monitoring shall occur at the same frequency specified in MRP R5-2015-0027 or any revision thereto. Specifically, total coliform organisms shall be monitored at a minimum 1 sample per day and turbidity shall be monitored using a continuous meter. Annual reports are due by **1 April** following the monitoring year.

GENERAL INFORMATION AND REQUIREMENTS

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

Please review this Notice of Applicability (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 of Turlock must submit in writing a Notice of Termination once the water recycling program has ended.

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 Turlock, Stanislaus County		
Program: Non-15 Compliance	Order: WQ 2014-0090-R5005	CIWQS Place ID: 266737

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 Water Board's Compliance and Enforcement Section will take over management of your case. Guy Childs is your new point of contact for any questions about the Order. In addition, all monitoring and technical reports should be submitted to him. If you find it necessary to make a change to your permitted operations or the application of recycled water as described in this NOA changes, Guy will direct you to the appropriate permitting staff. You may contact Guy at (916) 464-4648 or at gchilds@waterboards.ca.gov.

- Original signed by -

PAMELA C. CREEDON
Executive Officer

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

Cc w/o: Annalisa Kihara, State Water Resources Control Board, Sacramento
Bella Bedal, Stanislaus County Environmental Resources Department, Modesto
Bhupinder S. Sahota, Division of Drinking Water, Stockton
Dan Madden, City of Turlock Municipals Services Department, Turlock
Garner Reynolds, City of Turlock Municipals Services Department, Turlock