
Central Valley Regional Water Quality Control Board

26 August 2015

Jennifer Skrel, District Engineer
Ironhouse Sanitary District
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Oakley, CA, 94561

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REVISED NOTICE OF APPLICABILITY

STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2014-0090-DWQ GENERAL WASTE DISCHARGE REQUIREMENTS FOR RECYCLED WATER USE IRONHOUSE SANITARY DISTRICT WATER RECYCLING PROJECT CONTRA COSTA COUNTY

On 19 June 2015, Notice of Applicability (NOA) Order WQ-2014-0090-R5002 was issued to Ironhouse Sanitary District (ISD) by the Central Valley Regional Water Quality Control Board (Central Valley Water Board). The June 2015 NOA regulates the use of recycled water for residential/commercial landscape irrigation and for construction purposes such as dust control under Water Quality Order WQ 2014-0090-DWQ, *General Waste Discharge Requirements for Recycled Water Use* (hereafter, General Order). The June 2015 NOA was prepared based on information provided in a Notice of Intent (NOI) dated 5 May 2015 and a Title 22 Engineering Report dated 2 June 2015, which was reviewed by the Division of Drinking Water (DDW). The June 2015 NOA states that “[t]he production, distribution, and use of recycled water shall be managed in accordance with the NOI, DDW approved Title 22 Engineering Report, and this NOA.”

Central Valley Water Board staff reviewed the 29 July 2015 NOI submitted by ISD requesting an extension to the operation times of the filling stations. While the July 2015 NOI specifies the filling station’s days and hours of operation, the Central Valley Water Board finds it appropriate to issue a revised NOA that hereby allows operation of the filling stations on an as-needed basis.

BACKGROUND

Ironhouse Sanitary District owns and operates a water recycling facility (WRF) located at 450 Walnut Meadows Drive in Contra Costa County. The WRF is regulated under Waste Discharge Requirements (WDRs) R5-2013-0010 for the discharge of treated domestic wastewater to Jersey Island for irrigation of fodder crops and WDRs R5-2013-0157 (NPDES Permit No. CA0085260) for discharge to the San Joaquin River. Given the current drought conditions, ISD administers a recycled water use program that allows irrigation by individual residential/commercial customers and use for construction purposes (such as dust control and soil compaction).

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 Title 22 Engineering Report, 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-DWQ is applicable to the site and discharge described below. Ironhouse Sanitary District will act as the Administrator of the Recycled Water Program. You are hereby assigned WQ-2014-0090-R5002 for this discharge. Please include this number on all correspondence related to this discharge.

WASTEWATER TREATMENT FACILITY

Ironhouse Sanitary District's WRF includes coarse screening, grit removal, fine screening, anoxic basins, aeration basins, membrane filtration, and ultraviolet disinfection. Treated effluent has been denitrified and meets the Title 22 requirements for disinfected tertiary recycled water. Title 22 compliant effluent is stored in an 80 million gallon storage pond (North Pond) prior to fodder crop irrigation on Jersey Island or discharge to the San Joaquin River. Noncompliant effluent is stored in a 34 million gallon pond (South Pond) prior to being retreated.

RECYCLED WATER PROGRAM FOR CONSTRUCTION USE AND RESIDENTIAL/COMMERCIAL IRRIGATION USE

Ironhouse Sanitary District, 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. Ironhouse Sanitary District is the recycled water producer and distributor and is responsible for all permit requirements related to the production and distribution of recycled water.

Ironhouse Sanitary District will supply recycled water for construction purposes such as dust control and soil compaction. Residential/commercial customers will also be allowed to use the recycled water for irrigation of landscaping and vegetable gardens.

Construction and residential/commercial irrigation customers will be required to obtain a use permit from ISD. Obtaining a use permit requires completing a Use Permit Application and receiving training. Training will cover the approved Title 22 uses, use requirements, and prohibited uses. Customers will be given recycled water notice stickers to be placed on all containers that will be used for transporting and/or storing recycled water.

Once the customer completes the Use Application, attends training, and installs stickers onto containers, they will be able to receive recycled water from designated fill stations during scheduled pickup hours. Customers will be required to complete a log sheet every time they pick up recycled water.

DIVISION OF DRINKING WATER CONSIDERATIONS

Ironhouse Sanitary District submitted a June 2015 Title 22 Engineering Report to DDW for review of the proposed recycled water use program. On 1 June 2015, DDW provided comments and required the report to be revised. Ironhouse Sanitary District submitted a revised report and DDW issued an approval letter dated 4 June 2015. The approval letter stated no specific conditions of approval for the water recycling project. Ironhouse Sanitary

District is required to notify DDW and receive approval prior to making any changes to the facility and operations described in the approved engineering report.

On 21 July 2015, ISD contacted DDW via e-mail concerning proposed changes for the operation time of the fill stations and questions regarding total coliform organism sampling requirements. DDW response, dated 22 July 2015, stated that ISD should approach the Central Valley Water Board to amend the June 2015 NOA for the proposed operation changes and that recycled water producers must sample treated effluent every day that recycled water is produced pursuant to Title 22.

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. Ironhouse Sanitary District 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). As stated in the 22 July 2015 e-mail communication from DDW, disinfection system monitoring shall occur every day that a facility is producing recycled water. The General Order states that 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. Therefore, when recycle water production is congruent with the monitoring requirements of MRP R5-2013-0010, which requires total coliform organisms to be monitored 5 days per week and turbidity to be monitored using a continuous analyzer, duplicate monitoring is not required. The first monitoring report is due on **1 February 2016** and is to cover the months of June through December 2015.

GENERAL INFORMATION AND REQUIREMENTS

Ironhouse Sanitary District 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. Ironhouse Sanitary District 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: Ironhouse Sanitary District, Contra Costa County		
Program: Non-15 Compliance	Order: WQ 2014-0090-R5002	CIWQS Place ID: 232656

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.


For PAMELA C. CREEDON
Executive Officer

Enclosure: 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
Bob Brownwood, Division of Drinking Water, Richmond
Randall Sawyer, Contra Costa County Environmental Health Department, Concord