
Central Valley Regional Water Quality Control Board

19 June 2015

Jennifer Skrel, District Engineer
Ironhouse Sanitary District
P.O. Box 1105
Oakley, CA, 94561

CERTIFIED MAIL
7012 0470 0000 9904 4045

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

Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff reviewed Ironhouse Sanitary District's (ISD) 5 May 2015 Notice of Intent (NOI) and 2 June 2015 Title 22 Engineering Report. The Reports were 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).

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 proposes to administer 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 the Division of Drinking Water (DDW) for review of the proposed recycled water use program. On 1 June 2015, CDPH 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.

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). 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 R5-2013-0010 or any revision thereto. Specifically, total coliform organisms shall be monitored 5 days per week and turbidity shall be monitored using a continuous analyzer. 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