

**State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles**

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS AND WATER RECYCLING REQUIREMENTS**

**CITY OF LONG BEACH
NON-IRRIGATION GENERAL ORDER NO. R4-2009-0049**

PROJECT LOCATION

City of Long Beach

FACILITY MAILING ADDRESS

City of Long Beach Water Department
1800 E. Wardlow St.
Long Beach, CA 90807

PROJECT DESCRIPTION

The City of Long Beach (City) through the Long Beach Water Department (LBWD, Distributor, or User) is seeking other ways to maximize the non-potable use of recycled water throughout the City. Therefore, LBWD and the Long Beach Public Works Department (LBPWD, or User) are proposing to use recycled water for street sweeping and sanitary sewer flushing at various locations within the City. Both the LBWD and the LBPWD employ an on-site recycled water user supervisor.

SOURCE, VOLUME, AND DELIVERY OF RECYCLED WATER

The Long Beach Water Reclamation Plant (Plant) operated by the Sanitation Districts of Los Angeles County (Producer) serves as the source of recycled water used in the City. This Plant converts wastewater to recycled water through the tertiary-treatment process. Up to approximately 28,500¹ gallons per day of recycled water are used by LBPWD for street sweeping and dust control. Another approximately 9,500¹ gallons per day of recycled water are used by LBWD for sewer flushing and jetting. LBWD proposes to install approximately one hundred new recycled water service connections at various locations through the City. LBWD will coordinate with LBPWD to determine locations for these proposed recycled water service connections. The service connections will be installed at locations, which is conveniently accessible to LBPWD's street sweepers and LBWD's sewer cleaning trucks.

¹ The quantity of recycled water used is based on 240 working days per year.

RECYCLED WATER QUALITY REQUIREMENTS AND LIMITATIONS

1. Recycled Water Quality Requirements and Limitations of this Order shall meet the most current applicable CCR Title 22 regulations. Recycled water used for street sweeping, street dust control, sewer flushing, and sewer jetting must meet, at a minimum, secondary-23 recycled water. Irrigation and impoundment requirements and limitations specified in Title 22 do not apply to this Order.
2. The Producer/Distributor shall discontinue delivery of recycled water for intended reuse projects during any period in which it has reason to believe that the requirements of the California Department of Public Health (CDPH) reuse criteria insofar as they relate to the quality of the recycled water, are not being met. The delivery of recycled water shall not be resumed until all conditions which caused the violations have been corrected.
3. Recycled Water Storage Limitations
 - a. Any storage facility containing recycled water for reuse applications shall be managed in a manner to control odor or nuisance conditions. Should such problems develop, a management plan shall be devised and implemented to monitor, correct, and control future occurrences.
 - b. All wastewater storage ponds shall be adequately protected from erosion, washout and flooding from a 24-hour rainfall event having a predicted frequency of once in 100 years.
 - c. In-ground impoundment of recycled water within 100-feet of a domestic well, unless approved by the CDPH, is not covered under this Order.

FREQUENCY OF USING RECYCLED WATER

1. For street sweeping and dust control -

There are 23 street sweeper trucks that are being used for daily trips around the City for street sweeping and dust control. Each truck has a loading capacity of approximately 250 gallons of water. On average, each truck uses 1,000 to 1,250 gallons of recycled water a day to conduct street sweeping and road dust control.

2. For sewer flushing -

LBWD has 4 sewer cleansing trucks that are being used for sewer flushing and sewer jetting. Each truck has a loading capacity of approximately 1,500 gallons of water. On average, each of the truck uses 1,500 to 3,000 gallons of recycled water a day to conduct sewer flushing and sewer jetting.

USE OF RECYCLED WATER

The use of recycled water is limited for the following items in the City of Long Beach:

1. Cleaning roads, sidewalks, and outdoor work areas;
2. Dust control on roads and streets; and,
3. Sewer flushing and jetting.