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## CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

9 June 2020

Michael King  
Director of Public Works  
City of Lathrop  
390 Towne Center Drive  
Lathrop, CA 95330

**CERTIFIED MAIL**  
**7019 2280 0001 9243 5357**

### NOTICE OF APPLICABILITY

**STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2016-0068-DDW  
WATER RECLAMATION REQUIREMENTS FOR RECYCLED WATER USE  
CITY OF LATHROP  
CONSOLIDATED TREATMENT FACILITY  
SAN JOAQUIN COUNTY**

Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff reviewed the City of Lathrop's (Discharger's) Notice of Intent (NOI), dated April 2020, for regulatory coverage under Water Quality Order WQ 2016-0068-DDW, *Water Reclamation Requirements for Recycled Water Use* (hereafter, General Order) for the Discharger's Consolidated Treatment Facility (CTF). The NOI included the *Title 22 Engineering Report*, dated March 2020. The Division of Drinking Water issued an approval notice for the Discharger's Title 22 Engineering Report on 1 April 2020 which stated the report is complete and in compliance with Title 22 regulations. Based on the information provided in the NOI, the discharge is eligible for coverage under the General Order. This letter serves as formal notice that the General Order is applicable to your system and the discharge describe below. You are hereby assigned General Order WQ 2016-0068-DDW-R5017.

You should familiarize yourself with the entire General Order and its attachments enclosed with this letter, which describe mandatory discharge and monitoring requirements. Sampling, monitoring, and reporting requirements applicable to your treatment and disposal methods must be completed in accordance with the appropriate treatment system sections of the General Order and the attached Monitoring and Reporting Program (MRP) WQ 2016-0068-DDW-R5017. The site-specific MRP was developed after consideration of your waste characterization and site conditions.

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KARL E. LONGLEY SCD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

11020 Sun Center Drive #200, Rancho Cordova, CA 95670 | [www.waterboards.ca.gov/centralvalley](http://www.waterboards.ca.gov/centralvalley)

## FACILITY AND DISCHARGE DESCRIPTION

The City of Lathrop's CTF was constructed in 2004 and is located at 18800 Christopher Way in Lathrop in San Joaquin County, as shown on Attachment A. The CTF treats domestic wastewater from several existing and planned development areas and industrial wastewater from manufacturing, food processing, distribution facilities, restaurants, and trucking companies within the City of Lathrop. Wastewater treatment processes at the CTF include secondary treatment, tertiary filtration, and disinfection prior to storage and reuse for irrigation of agricultural and landscape Use Areas. Discharges of treated wastewater from the CTF are regulated under Order R5-2016-0028-01, which was adopted on 6 April 2018.

Average influent flow rates in million gallons per day (mgd) into the CTF are summarized below.

**Table 1. Influent Flow Rates**

Month	2017	2018	2019
January	0.53	0.65	0.73
February	0.58	0.63	0.72
March	0.57	0.65	0.70
April	0.53	0.67	0.67
May	0.54	0.64	0.69
June	0.63	0.77	0.64
July	0.69	0.64	0.64
August	0.72	0.70	0.71
September	0.69	0.71	0.80
October	0.68	0.65	0.77
November	0.71	0.66	0.72
December	0.65	0.71	0.75

Average tertiary effluent quality is summarized below.

**Table 2. Effluent Water Quality**

Constituent (mg/L)	2011 - 2013	2019
BOD	<2.3	< 2.0
TDS	688	540 (flow weighted)
Nitrate	7.0	Not analyzed
TKN	1.0	Not analyzed
Total Nitrogen	8.0	4.0 (flow weighted)
Chloride	194	Not analyzed
Sodium	181	Not analyzed
Sulfate	49.5	Not analyzed
Boron	0.4	Not analyzed
Iron	<0.06	Not analyzed
Total Coliform Organisms (MPN/100mL)	<2.0	< 7.8

Data Source: City of Lathrop CTF Notice of Intent, April 2020

Currently, treated effluent is discharged to nine lined storage ponds and one percolation pond (PB-1). Recycled water is then pumped from the storage ponds as needed and conveyed to numerous Use Areas for irrigation. The Discharger relies on recycled water uses for the disposal of treated effluent, with the exception of the percolation pond which is used for disposal. Use Areas currently permitted under existing Order R5-2016-0028-01 shall continue to be regulated under that Order.

The Discharger plans to install a new recycled water commercial use fill station and new recycled water hydrants for Permitted User access points. The Discharger will be the Administrator of the recycled water per the terms of General Order. The anticipated uses of the recycled water, as described in the Discharger's approved Title 22 Engineering Report, are shown below.

**Table 3. Recycled Water Uses**

<b>Commercial Use Fill Station</b>	<b>Recycled Water Hydrants for Construction Purposes</b>
Dust Control	Dust control
Grading and compaction	Grading and compaction
Concrete curing	Concrete curing
Firefighting	Firefighting
Flushing sewers	Flushing sewers
Snow making	
Decorative fountains	
Cleaning roads or sidewalks	
Commercial landscaping	
Agricultural irrigation	
Decorative water features	

### **RECYCLED WATER PROGRAM**

The Discharger will be responsible for the administration of their Recycled Water Program authorized pursuant to the General Order, including the requirements of Title 22. The Discharger is the recycled water producer and distributor and is responsible for all permit requirements related to the production and distribution of recycled water to recycled water users within the boundaries of all approved service areas defined by the Discharger. Recycled water users are required to comply with the Discharger's Recycled Water Ordinance, Recycled Water Operations Plan, and Title 22 requirements. Users must undergo training in the use of recycled water and obtain a Water Reuse Permit from the Discharger.

### **GENERAL INFORMATION AND REQUIREMENTS**

The Discharger shall comply with the Prohibitions, 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 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 Discharger must submit in writing a Notice of Termination following completion or cessation of the discharge.

### **RECYCLED WATER USE AREA MONITORING AND REPORTING REQUIREMENTS**

Recycled water production, disinfection, storage, and use shall be monitored in accordance with the attached facility-specific MRP (Order WQ 2016-0068-DDW-R017). When monitoring requirements listed in the 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 attached MRP. The results of such monitoring shall also be included as part of the annual report, required by this MRP. The annual report is due by **1 April** following the monitoring year.

### **DOCUMENT SUBMITTAL**

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](mailto: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:

<b>Facility Name: City of Lathrop Consolidated Treatment Facility, San Joaquin County</b>		
Program: Non-15 Compliance	Order: WQ 2016-0068-DDW-R5017	CIWQS Place ID: 271781

Documents that are 50 MB or larger should be copied 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 Notice of Applicability has been issued, the Boards' Compliance and Enforcement Section will take over management of your case. Brendan Kenny is your new point of contact for any questions about the General Order. If you find it necessary to make a change to your permitted operations, Brendan will direct you to the appropriate Permitting staff. You may contact Brendan at (916) 464-4635 or at [bkenny@waterboards.ca.gov](mailto:bkenny@waterboards.ca.gov).

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PATRICK PULUPA, Executive Officer

Enc: WQ Order 2016-0068-DDW  
Monitoring and Reporting Program WQ Order 2016-0068-DDW-R5017

cc w/ enc: Dave Umezaki, EKI Environment & Water, Inc., Burlingame

cc w/o enc: San Joaquin County Environmental Health Department, Stockton  
Tahir Mansoor, Division of Drinking Water, Stockton

