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## Central Valley Regional Water Quality Control Board

28 December 2020

Jessie Cain  
City of Colusa  
425 Webster Street  
Colusa, CA 95932

**Certified Mail**  
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### **NOTICE OF APPLICABILITY**

**STATE WATER RESOURCES CONTROL BOARD ORDER WQ 2016-0068-DDW  
WATER RECLAMATION REQUIREMENTS FOR RECYCLED WATER USE  
CITY OF COLUSA  
RECYCLED WATER PROGRAM  
COLUSA COUNTY**

Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff received the City of Colusa's (Discharger) Notice of Intent (NOI), dated 16 December 2019, for regulatory coverage under Water Quality Order WQ 2016-0068-DDW, Water Reclamation Requirements for Recycled Water Use (hereafter, General Order). The NOI included a Form 200, Recycled Water Program Manual, and Title 22 Engineering Report. The Discharger proposes a Recycled Water Program to distribute and permit the use of recycled water. The Title 22 Engineering Report dated October 2019 was also submitted for review by the State Water Resources Control Board, Division of Drinking Water (DDW). In a 14 October 2019 letter, DDW provided conditions to be incorporated into the City's permit (NPDES Permit No. CA0078999) to ensure protection of public health and meet the treatment requirements to comply with Title 22 criteria. Additionally, the letter requested that the Discharger consult with the local DDW field office regarding cross-connection control measures. In a 7 May 2020 letter, after review of the Title 22 Report, the local DDW stated there were no comments nor concerns regarding backflow hazards related to the proposed project.

Based on the information provided in the NOI, the proposed Water Recycling Program is eligible for coverage under the General Order. This Notice of Applicability (NOA) serves as formal notice that the General Order is applicable to the recycled water program and discharge described below. The City of Colusa will act as the Administrator of the Recycled Water Program. You are hereby assigned WQ 2016-0068-DDW-R5016.

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

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) R5-2020-0828. The facility specific MRP was developed after review of your NOI, consideration of your waste characterization, and site conditions as described in the attached memorandum.

### **WASTEWATER TREATMENT FACILITY**

The Discharger owns and operates a wastewater collection, treatment, and disposal system that treats incoming raw sewage to disinfected tertiary standards. The City of Colusa Wastewater Treatment Plant (WWTP) is located on South Will S. Green Avenue, Colusa in Colusa County. The WWTP process includes screening, secondary activated sludge treatment, tertiary filtration, and ultraviolet (UV) disinfection. The WWTP is currently regulated by WDRs Order R5-2016-0062-01 (NPDES Permit No. CA0078999) for discharges of treated wastewater up to 0.70 million gallons per day (MGD) to an unnamed tributary of Powell Slough. The Discharger has petitioned to the California State Water Resources Quality Control Board Division of Water Rights to divert up to 0.41 MGD of treated wastewater and any future flows for recycled water use.

### **RECYCLED WATER PROGRAM**

The Recycled Water Program will provide disinfected tertiary recycled water suitable for non-potable reuse as described in Title 22. Suitable uses of the Discharger's disinfected tertiary recycled water are listed in Table 1 below.

***Table 1 Disinfected Tertiary Recycled Water Uses***

<b>Irrigation of:</b>	<b>Supply for cooling or air conditioning:</b>	<b>Other uses:</b>
Food crops-contact with edible portion of crop	Industrial or commercial cooling or air conditioning with cooling tower, evaporative condenser, or spraying that creates mist	Flushing toilets and urinals
Parks and playgrounds	Industrial or commercial cooling or air conditioning without cooling tower, evaporative condenser, or spraying that creates mist	Priming drain traps
School yards		Industrial process water that may contact workers
Residential landscaping		Structural fire fighting

<b>Irrigation of:</b>	<b>Supply for cooling or air conditioning:</b>	<b>Other uses:</b>
Unrestricted access golf course		Decorative fountains
Any other irrigation uses not prohibited by other provisions of the California Code of Regulations		Commercial laundries
Food crops-edible portion above ground not in contact with recycled water		Consolidation of backfill material around potable water pipelines
Cemeteries		Industrial boiler feed
Freeway landscaping		Nonstructural fire fighting
Restricted access golf course		Backfill consolidation around non-potable piping
Ornamental nursery stock and sod farms		Soil compaction
Fodder crops (e.g. alfalfa) and fiber crops (e.g. cotton)		Mixing concrete
Seed crops not eaten by humans		Dust control on roads and streets
Food crops that undergo commercial pathogen-destroying processing before human consumption (e.g. sugar beets)		Cleaning roads, sidewalks and outdoor work areas
Orchards with no contact between edible portion and recycled water.		Flushing sanitary sewers
Vineyards with no contact between edible portion and recycled water		

Disinfected tertiary treated water will be pumped from the UV disinfection system to either the City's recycled water distribution system or the Powell Slough outfall. Recycled water will be provided to water recycled users through a direct connection to the recycled water distribution system or from the recycled water fill station facility located at the City's WWTP. Proposed recycled water projects include irrigation use on surrounding City-owned agricultural fields and bulk recycled water needs for local Caltrans District projects (compaction, construction, and testing). Other suitable non-potable reuses for disinfected tertiary recycled water as listed in Table 1 may be proposed at a later date.

Approximately 60 million gallons (MG) of storage capacity is available in the Operational Basin (4.7 MG) and Seasonal Basin (55.3 MG) during the non-irrigation season (winter months and non-peak irrigation seasons). The Operational Storage Pond has a soil-cement bottom with soil-cement perimeter slopes. The Seasonal Storage Pond has a compacted clay bottom with soil-cement perimeter slopes. Both recycled water storage ponds are located at the City's WWTP.

The Discharger, as the Administrator, is responsible for the administration of their Recycled Water Program as authorized pursuant to the General Order including the requirements of Title 22. The Discharger is also 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 (users) within the boundaries of all approved service areas defined by the Discharger. Users will be required to obtain a permit for recycled water from the Discharger. Users will be held to requirements that ensure the recycled water program functions appropriately and in accordance with the objectives set forth in the General Order.

### **WATER RECYCLING USE REQUIREMENTS**

1. The production, distribution, and use of recycled water shall be managed in accordance with the NOI, the Title 22 Engineering Report approved by the Division of Drinking Water, and this NOA.
2. Application of recycled water shall be limited to the uses described in the NOI, the Title 22 Engineering Report approved by the Division of Drinking Water, and this NOA.
3. The use of recycled water shall not cause pollution or nuisance, as defined by Water Code section 13050.
4. Recycled water shall be at least disinfected tertiary treated water as defined by Title 22, section 60301.900.

### **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 MRP R5-2020-0828, 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 Resources Control Board shall be paid until this NOA is officially terminated. The City 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 R5-2020-0828. When monitoring requirements 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. The results of such monitoring shall also be included as part of the annual report, required by the facility specific MRP. The annual report is due by **1 April** following the monitoring year.

## **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](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:

Facility Name: City of Colusa Recycled Water Program, Colusa County  
Program: Non-15 Compliance  
Order: WQ 2016-0068-DDW-R5016  
CIWQS Place ID: CW-215225

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 Notice of Applicability has been issued, the Board's Compliance and Enforcement section will take over management of your case. Guy Childs is your new point of contact for questions regarding compliance with the Order. All monitoring and technical reports should be submitted to him. The enclosed transmittal sheet shall be included with each monitoring report. If you find it necessary to make a change to your permitted operations, Guy will direct you to the appropriate Permitting staff. You may contact Guy at (916) 464-4648 or at [guy.childs@waterboards.ca.gov](mailto:guy.childs@waterboards.ca.gov).



for Patrick Pulupa  
Executive Officer

Encl: WQ 2016-0068-DDW (Discharger only)  
Monitoring and Reporting Program R5-2020-0828  
Memorandum of the City of Colusa's Notice of Intent  
Monitoring Transmittal Sheet

Cc: Colusa County Environmental Health Department, Colusa  
Reese Crenshaw, Valley District #21, DDW, Redding (via email)  
Mark Cocke, NexGen, Sacramento (via email)  
Dan Rich, NexGen, Sacramento (via email)  
Guy Childs, CVRWQB, Rancho Cordova (via email)  
Howard Hold, CVRWQCB, Rancho Cordova (via email)  
Jim Marshall, CVRWQCB, Rancho Cordova (via email)