COLORADO
Department of Public Health & Environment

CERTIFICATION TO DISCHARGE UNDER CDPS GENERAL PERMIT COG590000
DOMESTIC WASTEWATER TREATMENT FACILITIES DISCHARGING TO RECEIVING WATERS WITH A CHRONIC LOW FLOW: DESIGN FLOW RATIO OF 100:1 OR GREATER AND NOT DISCHARGING TO WATERS THAT ARE DESIGNATED AS THREATENED AND ENDANGERED HABITAT
Certification Number: **COG590055**

This Certification to Discharge specifically authorizes:
Central Clear Creek Sanitation District
to discharge from the facility identified as

Central Clear Creek San Dist WWTF

to: Clear Creek

Eligibility Category: Mechanical Facilities With Design Flows Of Less Than Or Equal To 0.25 MGD

Facility Address:	3545 Stanley Rd, Dumont, CO 80436 Clear Creek County
Facility Latitude/Longitude:	39.76272°N Latitude, 105.592935°W Longitude

Permitted Feature 001A External Outfall	39.763639°N Latitude, 105.591389°W Longitude following disinfection prior to entering the receiving water(s)
Permitted Feature 300I Influent Sampling Location	39.76272°N Latitude, 105.592935°W Longitude - at a representative location prior to chemical, physical, or biological treatment

Permit Limitations and Monitoring Requirements apply consistent with the Permit Part I.B and Part I.C. The specific requirements that apply to this facility are outlined below.

No chemicals are approved for use.

Mechanical Facilities With Design Flows Of Less Than Or Equal To 0.25 MGD

Permitted Feature ID: 300I
Permitted Feature Type: Influent Structure for Mechanical WWTF < or = 0.25 MGD
Limit Set: 1

Mechanical Facilities With Design Flows Of Less Than Or Equal To 0.25 MGD						
ICIS Code	Parameter	Influent Monitoring			Monitoring Frequency[1]	Sample Type
		30-Day Avg.	7-Day Avg.	Daily Max.		
50050G	Flow, MGD	Report		Report	Continuous[2]	Recorder[2]
00180P	Plant Capacity (% of Hydraulic Capacity)[3]	Report			Monthly	Calculated[3]
00310G	BOD_5, mg/l	Report	Report		Monthly	Composite[4]
00310G	BOD_5, lbs/day	Report	Report		Monthly	Calculated
00180Q	Plant Capacity (% of Organic Capacity)[3]	Report			Monthly	Calculated[2]
00530G	Total Suspended Solids, mg/l	Report	Report		Monthly	Composite[4]

1 Monitoring frequency reductions may be granted, in accordance with the Baseline Monitoring Frequency, Sample Type, and Reduced Monitoring Frequency Policy for Industrial and Domestic Wastewater Treatment Facilities (WQP-20).

2 The monitoring frequency and sample type for effluent flow is specified in the certification and is fully enforceable under this permit. Mechanical type treatment facilities are typically required to have both influent and effluent flow measuring and recording devices. This requirement may be waived in cases where the division determines that either

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influent or effluent flow measurements are impractical. For these facilities, flow measuring and sampling type will be specified in the certification. If only one device is applicable, then that device will be used to report both influent and effluent flow. However, where these devices are not in place at the time of certification, the permittee has one year from the end of the calendar month that certification was given to install the required equipment. Where such equipment is in place, the frequency and type of flow monitoring will be "Continuous" and "Recorder", respectively. Where such equipment is not in place, the frequency and type of flow monitoring, during the interim period, will be specified in the certification. For certain facilities, the use of a metered pumping rate or potable water use or may be allowed. In these cases, the monitoring frequency and sample type will be determined and specified in the certification.

3 The % capacity is to be reported against the listed capacities for the design capacity and for the organic capacities as noted in the most recent Site Approval and as listed in the certification. The percentage should be calculated using the 30-day average values divided by the corresponding capacity, times 100.

4 See the definition of "composite" in Part I.D of this permit. If the division determines that a flow-weighted composite sample is impracticable for a facility, a time composite sample of four equal aliquots collected at two-hour intervals or sampling equal aliquots will be allowed. The monitoring frequency and sample type will be specified in the certification. See Section VI.A of the fact sheet for more information.

Permitted Feature ID: 001A
Permitted Feature Type: External Outfall for Mechanical WWTF < or = 0.25 MGD
Limit Set: 1

Mechanical Facilities With Design Flows Of Less Than Or Equal To 0.25 MGD						
ICIS Code	Parameter	Discharge Limitation			Sampling	
		30-day Avg.	7-day Avg.	Daily Max	Frequency[1]	Type[2]
50050	Flow, MGD[3]	0.12		Report	Continuous [4]	Recorder [4]
00310	BOD_5, mg/l	30	45		Monthly	Composite
81010	BOD_5, percent removal	85% (min)			Monthly	Calculated
00530	Total Suspended Solids, mg/l	30	45		Monthly	Composite
81011	TSS, percent removal	85% (min)			Monthly	Calculated
50060	Total Residual Chlorine, mg/l			0.5	Weekly	Grab
00400	pH, s.u.			6.5 - 9.0	Weekly	Grab
84066	Oil and Grease, mg/l			Report	Weekly	Visual
03582	Oil and Grease, mg/l			10	Contingent	Grab
51040	*E. coli*, no/100 ml[5]	2000	4000		Monthly	Grab
00610	Total Ammonia, mg/l as N	50		50	Monthly	Composite
01313	Cd, PD (µg/l), until 10/31/2024	Report		Report	Monthly	Composite
01313	Cd, PD (µg/l), beginning 11/1/2024	0.64		1.5	Monthly	Composite
01306	Cu, PD (µg/l), until 10/31/2024	Report		Report	Monthly	Composite
01306	Cu, PD (µg/l), beginning 11/1/2024	4.1		5.7	Monthly	Composite
01306	Cu, PD (lbs/day)	0.0053			Monthly	Calculated
01318	Pb, PD (µg/l), until 10/31/2024	Report		Report	Monthly	Composite
01318	Pb, PD (µg/l), beginning 11/1/2024	0.92		24	Monthly	Composite
01318	Pb, PD (lbs/day)	0.001			Monthly	Calculated
01303	Zn, PD (µg/l), until 10/31/2024	Report		Report	Monthly	Composite
01303	Zn, PD (µg/l), beginning 11/1/2024	140		160	Monthly	Composite
01303	Zn, PD (lbs/day)	0.167			Monthly	Calculated

1 Monitoring frequency reductions may be granted, in accordance with the Baseline Monitoring Frequency, Sample Type, and Reduced Monitoring Frequency Policy for Industrial and Domestic Wastewater Treatment Facilities (WQP-20).

2 See the definition of "composite" in Part I.D of this permit. If the division determines that a flow-weighted composite sample is impracticable for a facility, a time composite sample of four equal aliquots collected at two-hour intervals will be allowed. The monitoring frequency and sample type will be specified in the certification. See Section VI.A of the fact sheet for more information.

4300 Cherry Creek Drive S., Denver, CO 80246-1530 P 303-692-2000 www.colorado.gov/cdphe/wqcd

3 The 30-day average effluent limitation for flow is identified in the certification, is generally based on the design capacity of the facility as outlined in the most recent site approval, and is enforceable under this permit. Facilities with flow equalization basin and reclaimed water configurations may be addressed differently. See 61.8(2)(f).

4 The monitoring frequency and sample type for effluent flow is specified in the certification and is fully enforceable under this permit. Mechanical type treatment facilities are typically required to have both influent and effluent flow measuring and recording devices. This requirement may be waived in cases where the division determines that either influent or effluent flow measurements are impractical. For these facilities, flow measuring and sampling type will be specified in the certification. If only one device is applicable, then that device will be used to report both influent and effluent flow. However, where these devices are not in place at the time of certification, the permittee has one year from the end of the calendar month that certification was given to install the required equipment. Where such equipment is in place, the frequency and type of flow monitoring will be "Continuous" and "Recorder", respectively. Where such equipment is not in place, the frequency and type of flow monitoring, during the interim period, will be specified in the certification. For certain facilities, the use of a metered pumping rate or potable water use or may be allowed. In these cases, the monitoring frequency and sample type are determined and specified in the certification.

5 For *E. coli* the statistic used is the Geometric Mean, which is based on Method 1: Geometric Mean = $(a*b*c*d*...)^{(1/n)}$, or Method 2: Geometric Mean = antilog([log(a)+log(b)+log(c)+log(d)+...]/n).

Compliance Schedule Item for Activities to Meet Cadmium, Copper, Lead and Zinc Effluent Limits

Code	Event	Description	Due Date
00899	Implementation Schedule	Submit a progress report summarizing the progress in implementing the strategies to control Cadmium, Copper, Lead and Zinc sources such that compliance with the final limitations may be attained.	10/31/2022
00899	Implementation Schedule	Submit a progress report summarizing the progress in implementing the strategies to control Cadmium, Copper, Lead and Zinc sources such that compliance with the final limitations may be attained.	10/31/2023
CS017	Achieve Final Compliance with Emissions or Discharge Limits	Submit study results that show compliance has been attained with the final Cadmium, Copper, Lead and Zinc limitations.	10/31/2024

Certification issued 11/1/2021 **Effective** 11/1/2021 **Certification Expires: March 31, 2026**

This certification under the permit requires that specific actions be performed at designated times. The certification holder is legally obligated to comply with all terms and conditions of the permit.

This certification was approved by:
Michelle DeLaria, Unit Manager
Permits Section
Water Quality Control Division

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