COLORADO
Department of Public Health & Environment

CERTIFICATION TO DISCHARGE UNDER CDPS GENERAL PERMIT COG591000
MINOR DOMESTIC WASTEWATER TREATMENT FACILITIES DISCHARGING TO RECEIVING WATERS THAT ARE: UNCLASSIFIED; USE-PROTECTED; REVIEWABLE; OR ARE DESIGNATED AS THREATENED AND ENDANGERED SPECIES HABITAT
Certification Number: **COG591184**

This Certification to Discharge specifically authorizes:
Routt County Department of Environmental Health
to discharge from the facility identified as

Phippsburg WWTF Routt County

to: the Yampa River

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

Facility Address:	Approx 1/2 Mile North Of Phippsburg, Phippsburg, CO 80469 Routt County
Facility Latitude/Longitude:	40.24040 Latitude, -106.94174 Longitude

Permitted Feature 001A External Outfall	40.239978 Latitude, -106.938067 Longitude: following disinfection prior to entering the receiving water(s)
Permitted Feature 300I Influent Sampling Location	40.24040 Latitude, -106.94174 Longitude: at a representative location prior to chemical, physical, or biological treatment

The permit limitations have a delayed effective date of December 1, 2024 include the projected Site Approval. The hydraulic and organic capacities, in this certification, are 0.030 MGD and 100 lbs BOD5/day, respectively based on projected Site Approval. **Discharges under this certification are not allowed until the permittee receives an approval of the domestic wastewater treatment works through the site location and design review process.**

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.

Mechanical Facilities With Design Flows Of Less Than Or Equal To 0.25 MGD Discharging to Classified Waters

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 Discharging to Classified Waters						
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]

The hydraulic and organic capacities, applicable to Part I.B of this permit, are 0.030 MGD and 100 lbs BOD_5/day, respectively. These values are based on projected Site Approval.

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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 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 Less Than or Equal to 0.25 MGD Discharging to Classified Waters						
ICIS Code	Parameter	Limitation			Sampling	
		30-day Avg.	7-day Avg.	Daily Max	Frequency[1]	Type[2]
50050	Flow, MGD[3]	0.030		Report	Continuous [4]	Recorder [4]
00310	BOD_5, mg/l	30	45 [2]		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
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
50060	Total Residual Chlorine, mg/l	0.3		0.3	Weekly	Grab
00615	Nitrite as N (mg/l)	Report			Monthly	Composite
00640	Total Inorganic Nitrogen			100	Monthly	Composite
00610	Total Ammonia, mg/l as N Jan	34		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Feb	35		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Mar	50		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Apr	46		50	Monthly	Composite

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00610	Total Ammonia, mg/l as N May	43		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Jun	47		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Jul	44		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Aug	44		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Sep	44		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Oct	46		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Nov	39		50	Monthly	Composite
00610	Total Ammonia, mg/l as N Dec	32		50	Monthly	Composite
	Total Dissolved Solids, mg/l					
70295	PWS Intake, mg/l[6]	Report		Report	Quarterly	Composite
70295	WWTF effluent, mg/l	Report		Report	Quarterly	Composite
01104	Al, TR (µg/l)	Report		Report	Monthly	Composite
00680	Total Organic Carbon (mg/l)	Report		Report	Monthly	Composite
00978	As, TR (µg/l) Until 12/31/2024	Report			Monthly	Composite
00978	As, TR (µg/l) Beginning 1/1/2025	0.02			Monthly	Composite
81020	Sulfate (mg/l)	Report			Monthly	Composite
51202	Sulfide as H_2S (mg/l)	0.066			Monthly	Composite
00940	Chloride (mg/l)	Report			Monthly	Composite
77885	Methanol, Total (µg/l)	Report			Monthly	Composite

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.

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).

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6 TDS monitoring requirement applies to discharges in the Colorado River basin. Samples are to be of the raw water supply. If more than one source is being utilized, a composite sample proportioned to flow shall be prepared from individual grab samples.

A one-time monitoring requirement for PFAS is included in the certification to gather information on the presence of this substance in the effluent discharge. See Part I.B.6 and Part I.E.5.f of the General Permit COG591000 for more information.

Permitted Feature ID: 001A
Permitted Feature Type: External Outfall
Limit Set: Z

PFAS Monitoring Requirements			
ICIS Code	Effluent Parameter	Monitoring Requirements	
		Frequency	Sample Type
51521	Perfluorooctanoic Acid [PFOA], ng/l	1/Permit Term	Grab
51522	Perfluorobutanoic Acid [PFBA], ng/l	1/Permit Term	Grab
51525	Perfluorooctanesulfonamide [PFOSA (or FOSA)], ng/l	1/Permit Term	Grab
51623	Perfluoropentanoic acid [PFPeA], ng/l	1/Permit Term	Grab
51624	Perfluorohexanoic acid [PFHxA], ng/l	1/Permit Term	Grab
51625	Perfluoroheptanoic acid [PFHpA], ng/l	1/Permit Term	Grab
51626	Perfluorononanoic acid [PFNA], ng/l	1/Permit Term	Grab
51627	Perfluorodecanoic acid [PFDA], ng/l	1/Permit Term	Grab
51628	Perfluoroundecanoic acid [PFUnA (or PFUdA)], ng/l	1/Permit Term	Grab
51629	Perfluorododecanoic acid [PFDoA], ng/l	1/Permit Term	Grab
51630	Perfluorotridecanoic acid [PFTrDA (or RFTriA)], ng/l	1/Permit Term	Grab
51631	Perfluorotetradecanoic acid [PFTeDA (or PFTA or PFTeA)], ng/l	1/Permit Term	Grab
51643	2-[N-ethylperfluorooctanesulfonamido] acetic acid [NEtFOSAA], ng/l	1/Permit Term	Grab
51644	2-[N-methylperfluorooctanesulfonamido] acetic acid [NMeFOSAA], ng/l	1/Permit Term	Grab
52602	Perfluorobutanesulfonic acid [PFBS], ng/l	1/Permit Term	Grab
52603	Perfluorodecanesulfonic acid [PFDS], ng/l	1/Permit Term	Grab
52604	Perfluoroheptanesulfonic acid [PFHpS], ng/l	1/Permit Term	Grab
52605	Perfluorohexanesulfonic acid [PFHxS], ng/l	1/Permit Term	Grab
52606	Perfluorooctanesulfonic acid [PFOS], ng/l	1/Permit Term	Grab
52607	4:2 Fluorotelomer sulfonic acid [4:2 FTS], ng/l	1/Permit Term	Grab
52608	6:2 Fluorotelomer sulfonic acid [6:2 FTS], ng/l	1/Permit Term	Grab
52609	8:2 Fluorotelomer sulfonic acid [8:2 FTS], ng/l	1/Permit Term	Grab
52610	Perfluoropentane sulfonic acid [PFPeS], ng/l	1/Permit Term	Grab
52611	Perfluorononane sulfonic acid [PFNS], ng/l	1/Permit Term	Grab
52612	Hexafluoropropylene oxide dimer acid [Gen-X (or HFPO-DA or HPFA-DA], ng/l	1/Permit Term	Grab
52632	Perfluorododecanesulfonic acid [PFDoS], ng/L	1/Permit Term	Grab
52641	N-methyl perfluorooctanesulfonamide [NMeFOSA], ng/L	1/Permit Term	Grab
52642	N-ethyl perfluorooctanesulfonamide [NEtFOSA], ng/L	1/Permit Term	Grab

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51642	N-methyl perfluorooctanesulfonamidoethanol [NMeFOSE], ng/L	1/Permit Term	Grab
51641	N-ethyl perfluorooctanesulfonamidoethanol [NEtFOSE], ng/L	1/Permit Term	Grab
52636	4,8-Dioxa-3H-perfluorononanoic acid [ADONA], ng/L	1/Permit Term	Grab
52629	Perfluoro(2-ethoxyethane)sulfonic acid [PFEESA], ng/L	1/Permit Term	Grab
52624	Perfluoro-3-methoxypropanoic acid [PFMPA], ng/L	1/Permit Term	Grab
52638	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid [9CL-PF3ONS], ng/L	1/Permit Term	Grab
52639	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid [11CL-PF3OUDS], ng/L	1/Permit Term	Grab
PF006	Perfluoro-4-methoxybutanoic acid [PFMBA], ng/L	1/Permit Term	Grab
52626	Nonafluoro-3,6-dioxaheptanoic acid [NFDHA], ng/L	1/Permit Term	Grab
PF001	3-Perfluoropropyl propanoic acid [3:3 FTCA], ng/L	1/Permit Term	Grab
PF007	2H,2H,3H,3H-Perfluorooctanoic acid [5:3 FTCA], ng/L	1/Permit Term	Grab
PF005	3-Perfluoroheptyl propanoic acid [7:3 FTCA], ng/L	1/Permit Term	Grab
87006	PFAS Sum, ng/l*	1/Permit Term	Calculated

ng/L = nanograms per liter

**The PFAS sum is calculated based on the following equation:*

*PFAS Sum (ng/l) = [PFOA] (ng/l) + [PFOSA] (ng/l) + [PFNA] (ng/l) + ([NEtFOSAA] (ng/l) * 0.85) + ([NMeFOSAA] (ng/l) * 0.88) + [PFOS] (ng/l) + ([8:2 FTS] (ng/l) * 0.78)*

This calculation is performed for each sampling event, and the resulting daily maximum and 30-day average results shall be reported on the discharge monitoring report submitted for the monthly monitoring period.

Certification issued 11/02/2022 Effective December 1, 2024 Certification Expires: May 31, 2027

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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