


TEP COGCC Rule 411 Surface Water Monitoring Field Form

Project Information		05-045-22823	
Surface Water Supply Area:	Parachute SWSA	Site API(s):	05-045-22474; 05-045-22476;
Site Name (Well Pad(s)):	Tompkins Pad	Sample Date:	05-045-22478; 05-045-22481
Station Name:	Revell Spr	Start Time:	6/8/22
COGCC Facility ID:	753290	End Time:	10:00
Field Sample ID:	Revell Spr	Sample Time:	10:25
Landowner Name:	The City of Parachute	Sample Team:	CWJ + BDS
Landowner Address:	Parachute, CO 81635	Sampler:	BDS
Time of DCPS Operations:	3/1/22-3/11/22	Lead Signature/Date:	 6/8/22

Station Information	
Station Description:	Revell Springs Row Water Tank; pipe in tank house
Approximate Distance to Well Pad:	~1000 ft NW of Tompkins Pad
Station Type:	Stream / Spring / Seep / Pond / Lake / NPDES Outfall / Other: Water Treatment Plant
Sampling Location:	Bank / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:
Sampling Location Description:	Pool / Riffle / Eddy / Backwater / Open / Channel / Braided / Other: inlet pipe
Sampling Location Width:	NA
Sampling Location Depth:	NA
GPS Location:	Zone x -107.016502 y 39.463667 z 5341

Weather Conditions	
Sky:	Clear / Scattered / Cloudy / Overcast
Precipitation:	None / Light / Moderate / Heavy
Wind:	Calm / Light / Mod / Strong
Estimated Air Temp (deg F):	~65°F
Precip Type:	None / Rain / Sleet / Hail / Snow
Wind Speed/Direction:	0 mph

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	15.0	10:15		VSI Pro	Container	
pH	s.u.	7.53					
Sp. Conductivity	uS/cm	529.3					
Conductivity	uS/cm	429.1					
DO Saturation	%	64.2					
DO	mg/L	6.38					
Baro Press	mmHg	634.1					
ORP	RmV	649.8					
Turbidity	NTU	0.42		AV	MicroTPT		
Discharge	g/m	150	10:20	AV	bucket	in-situ	0.52, 0.49, 0.25
H2S	mg/L	NM					2.60, 2.12, 2.06 seconds
Color:	Clear / White / Yellow / Brown / Green / Blue / Other						
Odor:	None / Mild / Mod / Strong						
Effervescence:	None / Mild / Mod / Strong						
Sediment:	None / Light / Mod / Heavy						
	Bubbles: None / Low / Mod / High						
	VOA Headspace: None / ≤ Pea Size / ≥ Pea Size						
Lab Analysis:	Rule 411						
Field Filtered:	Yes / No						
	Filter Size: NA No. Filters used: NA						

Flag Codes: NM (not measured), E (estimated), N/A (not applicable), I (insufficient sample), Q (uncertain value), Y (calculated value), AV (averaged value), EC (exceeds calibration range), P (probe malfunction), NS (not stabilized), VAR (variable), OT (other flag to be defined later)

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Landowner Comments on water quality:

Additional information:

Chlorinator was on during sampling

Calibration Information			Date: <i>6/8/22</i>		Location: <i>Office</i>			
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.	<i>8:26</i>	<i>7.00</i>	<i>22.5</i>	<i>7.12</i>	<i>6.98</i>	
	pH	s.u.	<i>8:33</i>	<i>10.01</i>	<i>22.5</i>	<i>9.94</i>	<i>10.02</i>	
	pH	s.u.	<i>8:35</i>		<i>22.5</i>	<i>449.8</i>		
	SpC	uS/cm	<i>8:39</i>	<i>447</i>	<i>22.5</i>	<i>449.8</i>	<i>447.2</i>	
	SpC	uS/cm						
	DO	%	<i>8:55</i>	<i>Air</i>	<i>22.8</i>	<i>81.1</i>	<i>84.8</i>	
	DO	%						
	ORP	RmV	<i>8:42</i>	<i>256</i>	<i>6.1</i>	<i>257</i>	<i>256.2</i>	
	Turbidity	NTU	<i>8:46</i>	<i>0.02</i>	<i>-</i>	<i>0.02</i>	<i>0.01</i>	