

TEP COGCC Rule 411 Surface Water Monitoring Field Form

Project Information			
Surface Water Supply Area:	BCSWSA	Site API(s):	05-045-23296
Site Name (Pad/CWMF):	Ru 32-12	Site Facility ID:	324061
Station Name:	BC 10	Sample Date:	2/7/23
Station Facility ID:	755848	Start Time:	1315
Field Sample ID:	BC10	End Time:	1400
Landowner Name:	Touberg BC Ranch	Sample Time:	1330
Landowner Address:	215 S. 10 th St. Sac City IA	Sample Team:	AJK
Time of DCPS Operations:	NOV/Dec 2022	Sampler:	AJK
		Lead Signature/Date:	Ohm [Signature] 2/7/23

Station Information			
Station Description: Small clearing upstream of culvert			
Approximate Distance to Well Pad: 1240 ft			
Station Type: <u>Stream</u> / Spring / Seep / Pond / Lake / NPDES Outfall / Other:			
Sampling Location: Bank / Pipe / <u>Wading</u> / Boat / Bridge / Hose bib / Tank / Other:			
Sampling Location Description: Pool / <u>Riffle</u> / Eddy / Backwater / Open / Channel / Braided / Other:			
Sampling Location Width: 8 ft		Sampling Location Depth:	
GPS Location:	Zone	x - 107.831501	y 39.45802 z 7080'

Weather Conditions			
Sky:	Clear / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F): 33	
Precipitation:	None / Light / Moderate / Heavy	Precip Type: None / Rain / Sleet / Hail / Snow	
Wind:	<u>Calm</u> / Light / Mod / Strong	Wind Speed/Direction: <u>Calm</u>	

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	0.5	1337		YSI	I.S.	
pH	s.u.	8.44	↓		↓	↓	
Sp. Conductivity	uS/cm	367.6	↓		↓	↓	
Conductivity	uS/cm	196.4	↓		↓	↓	
DO Saturation	%	84.1	↓		↓	↓	
DO	mg/L	12.11	↓		↓	↓	
Baro Press	mmHg	596.1	↓		↓	↓	
ORP	RmV	985.2	↓		↓	↓	
Turbidity	NTU	3.25	↓	AV	microTPW	cont.	2.99, 3.66, 3.09
Discharge		NM					Ice Cakes Creek
H2S	mg/L	NM					
Color: <u>Clear</u> / White / Yellow / Brown / Green / Blue / Other Light / Med / Dark							
Odor: <u>None</u> / Mild / Mod / Strong							
Effervescence: <u>None</u> / Mild / Mod / Strong				Bubbles: <u>None</u> / Low / Mod / High			
Sediment: <u>None</u> / Light / Mod / Heavy				VOA Headspace: <u>None</u> / ≤ Pea Size / ≥ Pea Size			
Lab Analysis: <u>Rule 411</u>							
Field Filtered: <u>Yes</u> / No		Filter Size: —		No. Filters used: —			

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)

