

TEP BWQ Surface Water Monitoring Field Form

Project Information			
Project:	TEP 6M 245-1 BWQ	Sample Purpose:	Annual COA
Site Name (Well Pad):	6M 245-1	Site API:	05-045-18426
Station Name:	HAYES Gulch DWN	Sample Date:	4-4-18
COGCC Facility ID:	755511	Start Time:	1330
Field Sample ID:	HAYES Gulch DWN	End Time:	1340
Landowner Name:	TEP Rocky MTN LLC	Sample Time:	1335
Landowner Address:	PO Box 3300, Gainesville, TX	Sample Team:	SLG, NUS
Water Right/Well Owner:	N/A	Observer:	SLG
Water Right/Well Permit:	N/A	Lead Signature/Date:	[Signature] 4-5-18

Station Information			
Station Description:	Slightly upstream of culvert, west side of road		
Approximate Distance to Well Pad:	1595 ft		
Station Type:	Stream / Spring / Seep / Pond / Lake / NPDES Outfall / Other:		
Sampling Location:	Bank / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:		
Sampling Location Description:	Pool / Riffle / Eddy / Backwater / Open / Channel / Braided / Other:		
Sampling Location Width:	2 ft	Sampling Location Depth:	2"
GPS Location:	Zone	x 108.05181	y 39.46574 z 5215

Weather Conditions			
Sky:	Clear / Scattered / Cloudy / Overcast	Estimated Air Temp (deg F):	45-50
Precipitation:	None / Light / Moderate / Heavy	Precip Type:	None / Rain / Sleet / Hail / Snow
Wind:	Calm / Light / Mod / Strong	Wind Speed/Direction:	0

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	10.2	1337		YSI PRO	IN-SITU	
pH	s.u.	7.23					
Sp. Conductivity	uS/cm	893					
Conductivity	uS/cm	642					
DO Saturation	%	77.2					
DO	mg/L	8.41					
Baro Press	mmHg	29.45 29.47					
ORP	RmV	234.5					
Turbidity	NTU	127.9		AV	Micro		129.0, 127.5, 127.2
Discharge	CFS	2.025					Visual, estimate
Color:	Clear / White / Yellow / Brown / Green / Blue / Other			Light / Med / Dark			
Odor:	None / Mild / Mod / Strong						
Effervescence:	None / Mild / Mod / Strong			Bubbles: None / Low / Mod / High			
Sediment:	None / Light / Mod / Heavy			VOA Headspace: None / ≤ Pea Size / ≥ Pea Size			
Lab Analysis:	Rule 609 / COA 9 / COA 22 / Other						
Field Filtered:	Yes / No		Filter Size:	N/A		No. Filters used: N/A	

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), OT (other flag to be defined later), NS (not stabilized), VAR (variable)

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Landowner Comments on water quality:

None

Additional information:

Walked the distance of Hayes Gulch between the TWM and UP sample. Channel is well defined. No notable features along the channel; no discharges into the channel.

No TEP representatives present for sampling.

Calibration info on Spruce Creek Pit Monitoring Well

Calibration Information			Date:			Location:		
Instrument	Parameter	Units	Time	Calibration Standard Value	Calibration Standard Temp (°C)	Instrument Reading of Standard	Adjusted Reading	Comments
	pH	s.u.						
	pH	s.u.						
	pH	s.u.						
	SpC	uS/cm						
	SpC	uS/cm						
	DO	%						
	DO	%						
	ORP	RmV						
	Turbidity	NTU						