

TEP BWQ Surface Water Monitoring Field Form

Project Information			
Project:	Gm 245-1 BWQ	Sample Purpose:	Annual COA
Site Name (Well Pad):	Gm 245-1	Site API:	05-045-18424
Station Name:	Hayes Gulch UP	Sample Date:	4-11-19
COGCC Facility ID:	755510	Start Time:	1030 1050
Field Sample ID:	Hayes Gulch UP	End Time:	1115
Landowner Name:	TEP Rocky Mtn LLC	Sample Time:	1100
Landowner Address:	PO Box 330, Falmesville, TX	Sample Team:	SLG, NWS
Water Right/Well Owner:	NA	Observer:	NWS
Water Right/Well Permit:	NA	Lead Signature/Date:	<i>[Signature]</i> 4-12-19

Station Information			
Station Description: Northwest of Gm 245-1 Pad			
Approximate Distance to Well Pad: 250 ft			
Station Type: <u>Stream</u> / Spring / Seep / Pond / Lake / NPDES Outfall / Other:			
Sampling Location: <u>Bank</u> / Pipe / Wading / Boat / Bridge / Hose bib / Tank / Other:			
Sampling Location Description: Pool / Riffle / Eddy / Backwater / Open / <u>Channel</u> / Braided / Other:			
Sampling Location Width: 2'		Sampling Location Depth: 0.5'	
GPS Location:	Zone	x - 108.05695	y 39.486853 z 5298

Weather Conditions			
Sky:	Clear / Scattered / <u>Cloudy</u> / Overcast	Estimated Air Temp (deg F):	40
Precipitation:	None / Light / Moderate / Heavy	Precip Type:	None / Rain / Sleet / Hail / Snow
Wind:	Calm / Light / <u>Mod</u> / Strong	Wind Speed/Direction:	Q

Field Measurements							
Parameter	Units	Reading	Time	Flag Code	Instrument	In-situ or Container	Comments
Water Temp	deg C	6.4	1105		YSI DYO	In-situ	
pH	s.u.	7.67					
Sp. Conductivity	uS/cm	1078					
Conductivity	uS/cm	697					
DO Saturation	%	89.3					
DO	mg/L	10.91					
Baro Press	mmHg	624.0					
ORP Turbidity	RmV NTU	150.9		AV	micro		164.7, 146.8, 11.3
Turbidity ORP	NTU RmV	180.4					
Discharge	cfs	2		E	visual		
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:	None / Light / <u>Mod</u> / Heavy			VOA Headspace: <u>None</u> / ≤ Pea Size / ≥ Pea Size			
Lab Analysis:	Rule 609 / COA 9 / COA 22 / <u>Other</u>						
Field Filtered:	Yes / <u>No</u>		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), OT (other flag to be defined later), NS (not stabilized), VAR (variable)

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Landowner Comments on water quality:

None

Additional information:

no TEP representatives present for sampling

Calibration info on Hayes Green DWN

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						