

Westlake US 2 Daily Report

Date Reported: 9/7/2024

Pressure Data:

Time	BW #7B Tubing Pressure (PSI)	BW #7B Casing Pressure (PSI)	BW #7B Downhole Pressure @ 2,650' (PSI)	#7B Brine Injection Flow (GPM)	BW #6X Casing Pressure (PSI)	BW #2 Tubing Pressure (PSI)	BW #2 Casing Pressure (PSI)	BW #4 Tubing Pressure (PSI)	BW #4 Casing Pressure (PSI)
9/6/24 5:00 AM	101.216	429.672	1416.846	505.560	642.175	776.104	777.485	-1.143	123.889
9/6/24 6:00 AM	100.808	429.596	1416.801	503.465	642.118	776.105	777.442	-1.141	123.907
9/6/24 7:00 AM	100.134	429.535	1416.715	501.131	642.152	776.096	777.426	-1.151	124.110
9/6/24 8:00 AM	100.781	429.518	1416.606	504.424	642.182	776.079	777.401	-1.149	125.540
9/6/24 9:00 AM	100.901	429.576	1416.608	504.722	642.177	776.089	777.370	-1.111	131.708
9/6/24 10:00 AM	100.794	429.622	1416.579	504.093	642.194	776.108	777.387	-1.102	141.403
9/6/24 11:00 AM	100.024	429.626	1416.492	500.533	642.192	776.105	777.374	-1.076	146.165
9/6/24 12:00 PM	100.811	429.604	1416.399	504.757	642.202	776.156	777.362	-1.003	170.683
9/6/24 1:00 PM	100.477	429.658	1416.359	503.541	642.265	776.185	777.399	-0.969	184.652
9/6/24 2:00 PM	99.684	429.379	1416.203	500.931	642.283	776.201	777.423	-1.005	174.866
9/6/24 3:00 PM	98.904	429.129	1416.048	498.379	642.298	776.169	777.359	-1.040	168.764
9/6/24 4:00 PM	98.310	428.856	1415.867	497.014	642.339	776.125	777.327	-1.073	151.907
9/6/24 5:00 PM	97.784	428.454	1415.644	496.247	642.323	776.059	777.264	-1.153	134.112
9/6/24 6:00 PM	97.500	428.100	1415.429	495.879	642.297	776.005	777.225	-1.140	126.021
9/6/24 7:00 PM	97.382	427.747	1415.217	496.278	642.246	775.960	777.195	-1.135	120.612
9/6/24 8:00 PM	97.722	427.584	1415.100	498.876	642.201	775.918	777.139	-1.147	116.881
9/6/24 9:00 PM	97.420	427.450	1414.987	498.382	642.188	775.872	777.131	-1.165	115.642
9/6/24 10:00 PM	97.200	427.325	1414.884	497.633	642.190	775.858	777.104	-1.139	115.119
9/6/24 11:00 PM	97.061	427.201	1414.773	497.699	642.188	775.819	777.074	-1.160	113.695
9/7/24 12:00 AM	97.085	427.118	1414.655	497.930	642.188	775.800	777.046	-1.154	113.188
9/7/24 1:00 AM	96.165	426.947	1414.498	494.575	642.176	775.800	777.013	-1.154	113.528
9/7/24 2:00 AM	96.682	426.780	1414.339	497.616	642.190	775.808	776.990	-1.154	113.553
9/7/24 3:00 AM	96.837	426.686	1414.259	498.985	642.235	775.790	776.972	-1.162	112.998
9/7/24 4:00 AM	96.967	426.656	1414.230	499.505	642.246	775.775	776.973	-1.156	112.707

Site Observations:

-None

Operational Notes:

-PPG 4 workover/MIT: Ongoing

Containment Update:

Engineering/Testing:

Recon continues to analyze soil samples.
Recon continuing on monitoring well pad engineering.
ERM is working on process water plant design specifications.
Terracon continuing to receive soil samples from proposed levee locations
Engineering working GPR in areas before start of construction on interior levee
Verifying minimum thickness for sheet piles
Plan complete to clear east side of levee
RR mobilizing to clear east side of Levee

Construction:

R&R dug trenches to verify boring results along the interior portion of the levee. Path forward has been determined from this process.
R&R to begin interior levee work upon receipt of materials.
Identifying suitable dirt pits in prep to start raising elevation of interior levee
Prepping to clear east side of levee
Maintaining the wattle that was laid on the North and West side of the levee

Reported by Randy Broussard (Westlake)





Date: 9/6/24

SUBJECT: Westlake Daily Operational Summary

- #7 Brine Injection Source: Sulphur Brine or Starks Brine (Circle One)
- Brine Well #7:
 - Bled Oil from cavern? Y or N (Circle One)
 - If yes, provide frac tank level:
- Brine Well #4:
 - Bled brine from cavern? Y or N (Circle One)
 - Bled gas from annulus? Y or N (Circle One)
 - If yes, provide pressures below:
 - Before: After:
- Brine Well #2:
 - Bled brine from cavern? Y or N (Circle One)
 - Bled gas from annulus? Y or N (Circle One)
 - If yes, provide pressure below:
 - Before: After:
- Miscellaneous Comments:

Date: Sept. 6, 2024

Sulphur Field Observation Daily Report (Dayshift)

Daily Westlake Water Well Readings	GPM
Water Well #11	462.27
Water Well #12	0.00
Water Well #13	0.00
Water Well #19	1400.7
Water Well #40	0.00

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O ₂ 21.0	20.7		
		H ₂ S/Methane	0	0	
		H ₂ s	0	0	
		PID (VOC)	0	0	

Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O ₂ 21.0	20.7		
		Methane	0	0	
		H ₂ s	0	0	
		PID (VOC)	0	0	

Site 4 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	0		
	PID (VOC)	0	0		

Site 5 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	0		
	PID (VOC)	0	0		

Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	0		
	PID (VOC)	0	0		

Site 7 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	0		
	PID (VOC)	0	0		

Site 8 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity	
		Morning Afternoon				
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
		PID (VOC)	0	0		

Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	<u>Bubbling - no change in intensity</u>	
		Morning Afternoon				
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
		PID (VOC)	0	0		

Site 10 (Yellow rock #7)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity	
		Morning Afternoon				
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
		PID (VOC)	0	0		

Site 12 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity	
		Morning Afternoon				
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
		PID (VOC)	0	0		

Site 14 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	0		
	PID (VOC)	0	0		

Site 17 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	3		
	PID (VOC)	0			

Site 18 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	3		
	H ₂ s	0	3		
	PID (VOC)	0	0		

Site 21 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O ₂	21.0	20.7		
	Methane	0	0		
	H ₂ s	0	0		
	PID (VOC)	0	0		

Site 22 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.7		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 23 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.7		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 24 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.7		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 25 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	20.7		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 19 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O2	21.0	20.7	
		Methane	0	0	
		H2s	0	0	
		PID (VOC)	0	0	

Site 20 (Sheen on Salt Lake (Big Pond))	(Circle One)	Present	Not Present	
		Morning	Afternoon	
		O2	N/A	N/A
		Methane	N/A	N/A
		H2s	N/A	N/A
		PID (VOC)	N/A	N/A

#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O2	21.0	20.7	
		Methane	0	0	
		H2s	0	0	
		PID (VOC)	0	0	

#7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
		O2	21.0	20.7	
		Methane	0	0	
		H2s	0	0	
		PID (VOC)	0	0	

#26 Bubble site (Salt Lake (Big Pond))	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	
				Morning	Afternoon	
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
PID (VOC)	0	0				

#27 Bubble site (Road S of Yellow rock shop)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	
				Morning	Afternoon	
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
PID (VOC)	0	0				

#28 Bubble site (MW-2 500' Well)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	
				Morning	Afternoon	
		O2	21.0	20.7		
		Methane	0	0		
		H2s	0	0		
PID (VOC)	0	0				

#7 Well Pad Site General Housekeeping ,

- ✓ Check Berms for leaks or oil/brine
- ✓ Check hoses at each connection from rental pump to piping tie-in
- ✓ Check cellar for oil
- ✓ Check Wellhead for leaks

New Observation or comments?

H2O samples @ central

LA

Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

Concl

Concl -

Concl.

Concl

Central Lake Water Column Profile			
Sulphur Dome - Calcasieu Parish, Louisiana			
Date:	Sept 6 2024	Time:	7:50
Depth (ft):	5 ft 8		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	7.34	7.36	7.23
SC (uS/cm)	1596	1541	1569
ORP (mV)	156	42	38
Temp (°C)	26.6	27.1	27.2
TDS (ppm)	1145	1103	1123
Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			
Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			
Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

9/6/24

Date:

Sulphur Field Observation Daily Report (Nightshift)

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O ₂	21.1				21.0
Methane	0				0
H ₂ S	0				0
PID (VOC)	0				0
7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O ₂	21.1				21.0
Methane	0				0
H ₂ S	0				0
PID (VOC)	0				0
Site 10 (Yellowrock #7)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O ₂	21.1				21.0
Methane	0				0
H ₂ S	0				0
PID (VOC)	0				0
Site 9 (1/4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O ₂	21.0				21.0
Methane	0				0
H ₂ S	0				0
PID (VOC)	0				0

Site 19 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	21.0	21.0
Oil						0	0
Methane						0	0
H ₂ S						0	0
PHG (VOC)						0	0

#7b Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	21.0	20.9
Oil						0	0
Methane						0	0
H ₂ S						0	0
PHG (VOC)						0	0

#27 Bubble site (Road 5 of Yellow rock shop)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	21.0	20.9
Oil						0	0
Methane						0	0
H ₂ S						0	0
PHG (VOC)						0	0

#28 Bubble site (MW-2 500' Well)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	21.0	20.9
Oil						0	0
Methane						0	0
H ₂ S						0	0
PHG (VOC)						0	0

#7 Well Pad Site General Housekeeping	Check Berms for leaks or oil/brine
	Check hoses at each connection from rental pumps to piping tie-ins
	Check cellar for oil
	Check Wellhead for leaks

New Observation, intensity changes, or comments?	
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Signature	M. E.
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