

Westlake US 2 Daily Report

Date Reported: 9/13/2024

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)
9/12/24 5:00 AM	101.492	429.115	1416.578	503.062	643.064	757.157	755.004	257.841	262.237
9/12/24 6:00 AM	101.479	429.144	1416.607	502.902	643.047	757.195	755.060	258.085	262.435
9/12/24 7:00 AM	101.517	429.174	1416.626	502.735	643.046	757.254	754.977	258.308	262.688
9/12/24 8:00 AM	101.413	429.250	1416.612	501.850	643.045	757.340	755.076	258.635	262.971
9/12/24 9:00 AM	101.387	429.344	1416.596	501.552	643.067	757.437	755.140	259.050	263.340
9/12/24 10:00 AM	101.364	429.585	1416.561	500.659	643.098	757.562	755.197	259.457	263.589
9/12/24 11:00 AM	101.044	429.634	1416.491	499.668	643.158	757.676	755.206	259.481	263.605
9/12/24 12:00 PM	100.624	429.530	1416.384	498.040	643.183	757.739	755.225	259.614	263.793
9/12/24 1:00 PM	100.408	429.433	1416.248	497.680	643.210	757.816	755.266	259.829	263.917
9/12/24 2:00 PM	100.166	429.372	1416.112	497.043	643.206	757.932	755.340	260.038	264.212
9/12/24 3:00 PM	99.832	429.403	1415.978	496.452	643.256	758.076	755.510	260.000	264.392
9/12/24 4:00 PM	99.629	429.360	1415.875	496.183	643.324	758.121	755.575	259.993	264.434
9/12/24 5:00 PM	99.496	429.073	1415.771	496.853	643.378	758.101	755.489	260.449	264.380
9/12/24 6:00 PM	99.394	428.833	1415.674	497.447	643.358	758.107	755.546	260.493	264.536
9/12/24 7:00 PM	99.416	428.563	1415.590	497.891	643.335	758.059	755.503	260.858	264.624
9/12/24 8:00 PM	99.177	428.361	1415.515	497.876	643.290	758.018	755.514	261.012	264.727
9/12/24 9:00 PM	98.941	428.231	1415.447	498.157	643.262	758.019	755.545	261.174	264.846
9/12/24 10:00 PM	98.819	428.104	1415.377	497.801	643.222	758.008	755.579	261.338	264.953
9/12/24 11:00 PM	98.853	427.975	1415.306	498.333	643.207	758.000	755.605	261.499	265.054
9/13/24 12:00 AM	98.934	427.873	1415.265	499.156	643.207	758.003	755.618	261.661	265.185
9/13/24 1:00 AM	99.086	427.803	1415.242	499.693	643.167	758.008	755.635	261.814	265.323
9/13/24 2:00 AM	99.417	427.801	1415.255	501.185	643.183	758.027	755.674	261.968	265.441
9/13/24 3:00 AM	99.483	427.781	1415.274	501.576	643.129	758.020	755.684	262.155	265.569
9/13/24 4:00 AM	99.599	427.828	1415.293	502.316	643.155	758.049	755.712	262.290	265.689
9/13/24 5:00 AM	99.828	427.804	1415.323	502.518	643.126	758.082	755.717	262.438	265.805

Site Observations:

-None.

Operational Notes:

-None

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 probing plan for sheet pile work
We have identified best suited thickness for sheet pile and are ordering to start work.
Plan complete to clear east side of levee
Finalizing engineering package to begin work on South West portion of the containment.
Continuing to work plans for water treatment area once containment is finished

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
R&R has started to clear the east side of the levee
Maintaining the wattle that was laid on the North and West side of the levee

Reported by Kevin LaVergne (Westlake)





Date: 9/12/24

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. 12, 2024

Sulphur Field Observation Daily Report (Dayshift)

Daily Westlake Water Well Readings	GPM
Water Well #11	0.00
Water Well #12	0.00
Water Well #13	0.00
Water Well #19	1632.9
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		20.9	21.0		
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	21.0		
Methane		0	0		
H ₂ s		0	0		
PID (VOC)		0	0		

Site 4 (Central Lake)	(Circle One)	More intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
PID (VOC)	0	0			

Site 5 (Central Lake)	(Circle One)	More intense	Less Intense	No Bubbles	<u>Bubbling - no change in intensity</u>
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
PID (VOC)	0	0			

Site 6 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	<u>Bubbling - no change in intensity</u>
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
PID (VOC)	0	0			

Site 7 (Central Lake)	(Circle One)	More Intense	Less intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
PID (VOC)	0	0			

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

Site 9 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	20.9	21.0
Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 10 (Yellow rock #7)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	20.9	21.0
Methane:	0	0
H2s	0	0
PID (VOC)	0	0

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

Site 14 (Central Lake)	(Circle One)	More Intense	Less intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 17 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 18 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	0	0		
	PID (VOC)	0	0		

Site 21 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	21.0	21.0		
	Methane	0	0		
	H2s	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		
		O ₂ 21.0	21.0		
		Methane 0	0		
		H ₂ s 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		
		O ₂ 21.0	21.0		
		Methane 0	0		
		H ₂ s 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		
		O ₂ 21.0	21.0		
		Methane 0	0		
		H ₂ s 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		
		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
		Morning	Afternoon		
	O ₂	20.9	21.0		

	Morning	Afternoon
O ₂	20.9	21.0
Methane	0	0
H ₂ s	0	0
PID (VOC)	0	0

Site 20 (Sheen on Salt Lake (Big Pond))	(Circle One)	Present	Not Present
		Morning	Afternoon
	O ₂	N/A	N/A

	Morning	Afternoon
O ₂	N/A	N/A
Methane	N/A	N/A
H ₂ s	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		
	O ₂	20.9	21.0		

	Morning	Afternoon
O ₂	20.9	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
		Morning	Afternoon		
	O ₂	20.9	21.0		

	Morning	Afternoon
O ₂	20.9	21.0
Methane	0	0
H ₂ s	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	21.0		
		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	21.0		
		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	21.0		
		Methane	0	0		
		H2s	0	0		
		PID (VOC)	0	0		

#7 Well Pad Site General Housekeeping

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

New Observation or comments?

H2O samples & centrif

LA

Central Lake Water Column Profile

Sulphur Dome - Calcasieu Parish, Louisiana

Conc

Conc -

Conc.

Conc

Central Lake Water Column Profile			
Sulphur Dome - Calcasieu Parish, Louisiana			
Date:	9/12/24	Time:	8:15
Depth (ft):	5 ft. 1 in		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	7.25	7.23	7.19
SC (uS/cm)	1521	1519	1510
ORP (mV)	228	130	62
Temp (°C)	25.4	25.6	25.8
TDS (ppm)	1092	1090	1121
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)			

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
02	20.9					20.8
Methane	00					00
H2s	00					00
PID (VOC)	00					00

7A Plugged Well Site	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.9				20.8
Methane	0				0
H2S	0				0
PID (VOC)	0				0

Site 10 (Yellowrock #7)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	
O2	20.9						20.8
Methane	0						0
H2S	0						0
PH (NOC)	0						0

Site 9 (#4 BW Pond)			(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity	
O2	20.9							20.8
Methane	0							0
H2S	0							0
PH (VOC)	0							0

Site 19 (#4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.9				20.8
Methane	0				0
H2S	0				0
PID (VOC)	0				0

#7b Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.9				20.8
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
O2	20.9				20.8
Methane	0				0
H2S	0				0
PID (VOC)	0				0

#28 Bubble site (NW-2 500' Well)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.9				20.8
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, intensity changes, or comments?	
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Signature: Callicella