

Westlake US 2 Daily Report

Date Reported: 9/28/2024

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)
9/27/24 5:00 AM	105.480	430.039	1417.864	518.947	644.375	281.397	279.838	287.195	292.170
9/27/24 6:00 AM	105.449	430.014	1417.886	519.293	644.368	281.442	279.862	287.239	292.245
9/27/24 7:00 AM	105.650	429.962	1417.895	519.277	644.361	281.438	279.843	287.270	292.306
9/27/24 8:00 AM	105.850	430.014	1417.928	520.098	644.347	281.507	279.936	287.334	292.441
9/27/24 9:00 AM	105.785	430.277	1417.944	518.815	644.393	281.617	280.053	287.899	292.862
9/27/24 10:00 AM	105.543	430.380	1417.754	517.730	644.434	281.692	280.079	288.151	292.911
9/27/24 11:00 AM	105.622	430.616	1417.714	517.038	644.494	281.793	279.961	288.093	292.913
9/27/24 12:00 PM	105.440	430.819	1417.664	516.284	644.520	281.860	280.027	287.969	292.883
9/27/24 1:00 PM	105.349	430.929	1417.588	515.794	644.549	281.946	280.197	287.638	292.838
9/27/24 2:00 PM	105.126	430.914	1417.493	515.399	644.571	282.016	280.277	287.261	292.869
9/27/24 3:00 PM	104.887	430.877	1417.411	514.513	644.579	282.086	280.458	287.144	292.996
9/27/24 4:00 PM	104.894	430.836	1417.347	515.274	644.588	282.144	280.569	287.105	293.034
9/27/24 5:00 PM	104.824	430.643	1417.305	515.821	644.569	282.155	280.557	287.249	293.025
9/27/24 6:00 PM	104.809	430.330	1417.242	516.701	644.592	282.152	280.453	287.946	293.166
9/27/24 7:00 PM	104.752	429.986	1417.213	517.107	644.567	282.111	280.361	287.974	293.187
9/27/24 8:00 PM	104.582	429.778	1417.205	517.520	644.493	282.079	280.341	287.974	293.276
9/27/24 9:00 PM	104.437	429.624	1417.187	517.550	644.425	282.071	280.380	288.010	293.337
9/27/24 10:00 PM	104.319	429.486	1417.158	517.340	644.355	282.092	280.400	288.051	293.399
9/27/24 11:00 PM	104.386	429.419	1417.118	517.822	644.314	282.124	280.450	288.094	293.447
9/28/24 12:00 AM	104.438	429.383	1417.114	517.885	644.250	282.151	280.493	288.150	293.506
9/28/24 1:00 AM	104.363	429.323	1417.103	517.813	644.219	282.175	280.529	288.210	293.563
9/28/24 2:00 AM	104.431	429.301	1417.093	517.997	644.187	282.206	280.574	288.268	293.633
9/28/24 3:00 AM	104.605	429.256	1417.083	518.730	644.157	282.222	280.600	288.333	293.698
9/28/24 4:00 AM	104.491	429.251	1417.070	518.488	644.102	282.239	280.635	288.355	293.768
9/28/24 5:00 AM	104.505	429.232	1417.068	518.579	644.102	282.282	280.678	288.396	293.827

Site Observations:

-None

Operational Notes:

-None

Containment Update:

Engineering/Testing:

Recon continues to analyze soil samples
Recon continuing monitoring well pad engineering.
ERM is working on process water plant design specifications.
Terracon continuing to receive soil samples from proposed levee locations
Engineering completed probing plan for sheet pile work
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 of various areas of the containment will begin as engineering packages are completed.

Construction:

R&R has received interior levee materials. Probing will need to be done prior to install. Probing to take place this week.
R&R is finishing the clearing of the east side of the levee and installing erosion barrier.
Maintaining the wattle that was laid on the North and West side of the levee
Continuing to work daily inspections and repairing any areas that have been damaged.

Reported by Kevin LaVergne (Westlake)





Date: 9-27-24

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:

9/27/24

Sulphur Field Observation Daily Report (Dayshift)

Daily Westlake Water Well Readings	GPM
Water Well #11	485.4
Water Well #12	1299.6
Water Well #13	0.00
Water Well #19	0.00
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	20.9		
		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 20.9	20.9		
		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		
	O ₂	20.9	20.9		
	Methane	0	0		
	H ₂ s	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		
	O ₂	20.9	20.9		
	Methane	0	0		
	H ₂ s	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		
	O ₂	20.9	20.9		
	Methane	0	0		
	H ₂ s	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		
	O ₂	20.9	20.9		
	Methane	0	0		
	H ₂ s	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	20.9	20.9
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	20.9
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	20.9
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	20.9	20.9
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		
	O2	20.9	20.9		
	Methane	0	0		
	H2s	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		
	O2	20.9	20.9		
	Methane	0	0		
	H2s	0	0		
		PID (VOC)	0	0	

Site 18 (Central Lake)	(Circle One)	More Intense	Less Intense	<u>No Bubbles</u>	Bubbling - no change in intensity
		Morning	Afternoon		
	O2	20.9	20.9		
	Methane	0	0		
	H2s	0	0		
		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		
	O2	20.9	20.9		
	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		
	O2	20.9	20.9		
	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	20.9	20.9		
	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	20.9	20.9		
	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	20.9	20.9		
	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	20.9	20.9		
	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	20.9	20.9		
	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	20.9	20.9		
	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	20.9	20.9		
	Methane	0	0		
	H2s	0	0		
	PID (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
		Morning	Afternoon		
	O2	20.9	20.9		
	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	20.9	20.9		
	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 taken @ central

LA

Central Lake Water Column Profile
Sulphur Dome - Calcasieu Parish, Louisiana

Cond

Date:	9/27/24	Time:	8:50
Depth (ft):	5 ft.		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	7.27	7.38	7.31
SC (uS/cm)	1719	1715	1744
ORP (mV)	237	178	125
Temp (°C)	26.7	26.5	26.9
TDS (ppm)	1244	1238	1260

Cond -

Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

Cond.

Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

Cond

Date:		Time:	
Depth (ft):			
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH			
SC (uS/cm)			
ORP (mV)			
Temp (°C)			
TDS (ppm)			

Date: 9-27-24

Sulphur Field Observation Daily Report (Nightshift)

Site 1 (E of H22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
O2	20.9				20.8
Methane	0				20.9
H2S	0				0
PH (VOC)	0				0

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
PH (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 (VOC)	0				0

Site 9 (A4 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 (H4 BW Pond)		(Circle One)	More Intense	Less Intense	No bubbles	Bubbling - no change in intensity
CO ₂	20.9					20.8
Methane	00					
H ₂ S	00					
PH (VOC)	00					
						20.9
						00
						00

#21 Wellhead Cellar		(Circle One)	More Intense	Less Intense	No bubbles	Bubbling - no change in intensity
CO ₂	20.9					20.8
Methane	00					
H ₂ S	00					
PH (VOC)	00					
						20.9
						00
						00

#27 Bubble site (Road S of Yellow rock ship)		(Circle One)	More Intense	Less Intense	No bubbles	Bubbling - no change in intensity
CO ₂	20.9					20.8
Methane	00					
H ₂ S	00					
PH (VOC)	00					
						20.9
						00
						00

#28 Bubble site (MW-2 500' Well)		(Circle One)	More Intense	Less Intense	No bubbles	Bubbling - no change in intensity
CO ₂	20.9					20.8
Methane	00					
H ₂ S	00					
PH (VOC)	00					
						20.9
						00
						00

#7 Well Pad Site General Housekeeping	Check Berms for leaks or oil/brine
	Check hoses at each connection from venturi pump to grout line.
	Check cellar for oil
	Check wellhead for leaks

New Observation, intensity changes, or comments?

Signature: *Colin V. Allen*