

Westlake US 2 Daily Report

Date Reported: 12/14/2024

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)
12/13/24 5:00 AM	112.155	311.740	1415.947	552.175	635.308	283.320	288.403	284.067	338.492
12/13/24 6:00 AM	112.072	312.143	1415.941	552.240	635.296	283.354	288.433	284.097	338.556
12/13/24 7:00 AM	112.042	312.522	1415.940	552.085	635.311	283.379	288.493	284.112	338.627
12/13/24 8:00 AM	112.408	312.961	1415.940	553.091	635.296	283.430	288.552	284.144	338.705
12/13/24 9:00 AM	112.365	313.352	1415.964	553.108	635.313	283.495	288.630	284.158	338.807
12/13/24 10:00 AM	112.116	313.954	1415.960	552.363	635.333	283.545	288.700	284.183	338.884
12/13/24 11:00 AM	112.176	314.581	1415.938	551.830	635.376	283.612	288.778	284.214	339.008
12/13/24 12:00 PM	112.149	315.084	1415.915	551.842	635.398	283.648	288.807	284.321	339.066
12/13/24 1:00 PM	112.136	315.519	1415.883	551.557	635.418	283.718	288.868	284.267	339.176
12/13/24 2:00 PM	112.273	316.000	1415.872	552.343	635.428	283.748	288.899	284.375	339.214
12/13/24 3:00 PM	112.638	316.294	1415.897	553.466	635.433	283.752	288.909	284.400	339.273
12/13/24 4:00 PM	113.211	316.957	1416.011	555.880	635.459	283.787	288.937	284.430	339.327
12/13/24 5:00 PM	113.127	317.619	1416.099	553.476	635.449	283.806	288.939	284.473	339.336
12/13/24 6:00 PM	112.979	318.091	1416.118	553.268	635.430	283.827	288.938	284.488	339.428
12/13/24 7:00 PM	112.948	318.573	1416.146	553.055	635.391	283.879	288.992	284.514	339.450
12/13/24 8:00 PM	113.054	319.109	1416.153	553.473	635.391	283.898	289.023	284.543	339.520
12/13/24 9:00 PM	113.022	319.631	1416.172	553.725	635.414	283.919	289.061	284.588	339.574
12/13/24 10:00 PM	113.086	320.187	1416.195	554.158	635.406	283.964	289.091	284.619	339.629
12/13/24 11:00 PM	113.149	320.838	1416.238	554.219	635.391	284.000	289.128	284.659	339.693
12/14/24 12:00 AM	113.104	321.415	1416.277	554.564	635.391	284.024	289.158	284.708	339.769
12/14/24 1:00 AM	113.095	322.002	1416.311	554.430	635.391	284.059	289.188	284.741	339.828
12/14/24 2:00 AM	113.103	322.623	1416.341	554.523	635.390	284.074	289.212	284.774	339.867
12/14/24 3:00 AM	113.015	323.209	1416.358	554.224	635.387	284.135	289.248	284.817	339.941
12/14/24 4:00 AM	113.003	323.728	1416.346	554.094	635.382	284.165	289.317	284.850	340.007

Site Observations:

- Collected water samples from

Operational Notes:

- Westlake has identified a nitrogen leak within the geophone hanger assembly of PPG 20.

In order to remediate, the cavern pressure will need to be bled down to achieve a zero-wellhead pressure. Westlake is initiating this process today.

It will take some days to get the pressure bled down, and then what we believe will be a relatively straight forward remediation of the hanger will be performed.

Containment Update:

Engineering/Testing:

-Core Well pad – working pier options with Terracon, all borings completed. Westlake will award contractor for well pad by end of year and start construction after the holidays.

-Southwest Levee (Area 3) – working on culvert design and valve selection.

-Well Levee (area 1) – working on culvert design and valve selection

-Salt Lake (Area 1) – preparing alignment drawings

-Investigating drainage around finger lakes

Construction:

- Area 3 - Place fabric and rock for ramp on west end of Area 3 for water well access. Complete.

- Area 5 - Repair road with dozer and drum roller.

-Area 1 & 2 – Cut trenches for drainage. Roll out fabric and spread rock in Area 2.

Reported by Randy Broussard (Westlake)



Date: 12/13/24

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	1640.9
Water Well #40	0.00

Site 1 (E of #22 BW)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	20.7	20.7
H2S/Methane	0	0
H2s	0	0
PID (VOC)	0	0

Site 3 (Central Lake)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
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	Morning	Afternoon
O2	20.7	20.7
Methane	0	0
H2s	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	20.7	20.7		
	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	20.7	20.7		
	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	20.7	20.7		
	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	20.7	20.7		
	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	
			Morning	Afternoon		
		O2	20.7	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	Bubbling - no change in intensity	
			Morning	Afternoon		
		O2	20.7	16.7		
		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	
			Morning	Afternoon		
		O2	20.7	20.7		
		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	
			Morning	Afternoon		
		O2	20.7	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		
		O2	20.7	20.7	
		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	20.7	20.7	
		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	20.7	20.7	
		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	20.7	20.7	
		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 20.7	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 20.7	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 20.7	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 20.7	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		20.7	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	N/A		
Methane	N/A	N/A	N/A		
H2s	N/A	N/A	N/A		
PID (VOC)	N/A	N/A	N/A		

#7B Wellhead Cellar	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity
		Morning	Afternoon		
O2		20.7	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		20.7	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 20.7	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 20.7	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 20.7	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 @ center

LA

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

Cond

Date:	12-13-24	Time:	7:20
Depth (ft):	5 ft. 2		
	Top (Blue)	Middle (Yellow)	Bottom (Red)
pH	7.60	7.48	7.54
SC (uS/cm)	2206	2128	2107
ORP (mV)	109	82	89
Temp (°C)	13.9	13.2	13.3
TDS (ppm)	1664	1590	1573

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: 12/13/24

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	20.6	20.5
DT						0	0
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	20.5	20.4
DT						0	0
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	20.6	20.5
DT						0	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	20.6	20.5
DT						0	0
methane						0	0
H2S						0	0
PID (VOC)						0	0

