

Westlake US 2 Daily Report

Date Reported: 8/21/2024

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)
8/20/24 5:00 AM	94.205	427.505	1415.132	477.460	641.726	137.575	659.141	-1.218	-1.649
8/20/24 6:00 AM	94.239	427.526	1415.151	477.849	641.760	138.282	662.656	-1.227	-1.661
8/20/24 7:00 AM	94.392	427.526	1415.174	477.939	641.751	138.760	665.903	-1.214	-1.642
8/20/24 8:00 AM	94.522	427.649	1415.203	478.185	641.738	138.455	668.550	-1.107	-1.569
8/20/24 9:00 AM	94.589	427.800	1415.223	478.009	641.796	138.449	671.727	-0.920	-1.477
8/20/24 10:00 AM	94.713	428.021	1415.191	477.392	641.834	138.846	676.363	-0.777	-1.535
8/20/24 11:00 AM	94.756	428.177	1415.139	477.402	641.875	139.801	681.879	-0.861	-1.595
8/20/24 12:00 PM	94.782	428.300	1415.090	477.181	641.917	140.881	687.566	-0.732	-1.336
8/20/24 1:00 PM	94.909	428.505	1415.074	476.892	641.940	142.094	693.648	-0.835	-1.403
8/20/24 2:00 PM	94.992	428.665	1415.032	477.260	641.992	143.857	700.396	-0.957	-1.502
8/20/24 3:00 PM	95.000	428.623	1414.929	477.717	642.032	145.783	707.268	-1.119	-1.601
8/20/24 4:00 PM	94.958	428.582	1414.840	477.946	642.071	147.596	714.364	-1.146	-1.676
8/20/24 5:00 PM	94.981	428.371	1414.780	478.431	642.158	149.111	720.560	-1.098	-1.712
8/20/24 6:00 PM	94.956	428.189	1414.736	478.974	642.178	150.471	726.176	-1.174	-1.752
8/20/24 7:00 PM	94.818	427.947	1414.679	479.621	642.176	151.560	730.672	-1.244	-1.759
8/20/24 8:00 PM	94.509	427.628	1414.656	479.486	642.095	152.488	735.102	-1.285	-1.781
8/20/24 9:00 PM	94.265	427.424	1414.654	479.077	642.011	153.439	739.432	-1.265	-1.747
8/20/24 10:00 PM	94.171	427.273	1414.629	478.894	641.956	154.373	743.646	-1.242	-1.745
8/20/24 11:00 PM	93.994	427.178	1414.559	478.824	641.930	155.245	747.625	-1.231	-1.697
8/21/24 12:00 AM	93.917	427.024	1414.489	478.898	641.883	156.067	751.780	-1.227	-1.682
8/21/24 1:00 AM	93.867	426.906	1414.402	478.954	641.887	156.916	755.952	-1.221	-1.689
8/21/24 2:00 AM	93.973	426.798	1414.333	479.695	641.855	157.878	759.777	-1.201	-1.675
8/21/24 3:00 AM	93.992	426.725	1414.267	480.226	641.847	159.014	763.473	-1.195	-1.663
8/21/24 4:00 AM	93.911	426.651	1414.219	480.822	641.821	160.305	767.046	-1.199	-1.675
8/21/24 5:00 AM	95.497	426.682	1414.257	487.753	641.779	161.739	770.149	-1.186	-1.682

Site Observations:

-Air boat observations conducted yesterday.

Operational Notes:

-PPG 4 workover/MIT

-Investigating several micro seismic events around PPG 4.

Containment Update:

Containment Update:

Engineering/Testing:

Recon continues to analyze soil samples.

Recon continuing on monitoring well pad engineering.

Recon continuing to work with Terracon on path forward for exterior levee work.

ERM is working on process water plant design specifications.

Terracon is drilling on the east side of the lake and has completed soil drilling for samples around salt lake.

Westlake received the design plans for the interior well levee around 7. We are awaiting a duration schedule and I'll send to the DNR by end of the week. **Update, we performed some investigation digs on the 'well levee' route and discovered matting and inadequate soils that caved in at the soil depths of concern (sand & shale). We need to determine how to stabilize the soils underneath this interior levee so that the overall levee will not be compromised. We will need further time to develop**

Reported by Josh Bradley (Westlake)



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path forward on stabilizing this soil underneath the proposed levee. The goal is to address 'sealing off' the sand layer underneath the levee to prevent any erosion underneath the levee.

Construction:

R&R is installing silt fence around the cleared areas of the future monitoring well pad

R&R is installing wattle along the West side of Salt Lake

R&R continues to clear the monitoring well pad area.

Boxes being brought in to maintain site housekeeping throughout the project.

R&R digging trenches to verify boring results along the interior portion of the levee.





Date: 8-20-24

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: Workover on Brine Well #4

Date: Aug. 20, 2024

Sulphur Field Observation Daily Report (Dayshift)

Daily Westlake Water Well Readings	GPM
Water Well #11	400.5
Water Well #12	0.00
Water Well #13	0.00
Water Well #19	1340.1
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		
		H ₂ s	0		
		PID (VOC)	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		
		H ₂ s	0		
		PID (VOC)	0		

Site 4 (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 5 (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 6 (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 7 (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 8 (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 9 (#4 BW Pond)	(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 10 (Yellow rock #7)	(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 12 (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 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	No Bubbles	<u>Bubbling - no change in intensity</u>
		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	
		<div>Morning</div> <div>Afternoon</div>				
		O2	20.9	20.9		
		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	
		<div>Morning</div> <div>Afternoon</div>				
		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	
		<div>Morning</div> <div>Afternoon</div>				
		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?

LP

Date: 8-20-24

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	20.8					20.9	20.9
Methane	0					0	0
H2S	0					0	0
PID (VOC)	0						

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

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

Site 9 (H4 BW Pond)	(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity		
O2	20.9					20.9	20.9
Methane	0					0	0
H2S	0					0	0
PID (VOC)	0						

Site 19 (H4 BW Pond)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity		
O2	20.8						20.9	
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						20.9	
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		
O2	20.8						20.9	
Methane	0						0	
H2S	0						0	
PID (VOC)	0						0	

#28 Bubble site (MM-2 500 Well)		(Circle One)	More Intense	Less Intense	No Bubbles	Bubbling - no change in intensity		
O2	20.8						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
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New Observation, intensity changes, or comments?	
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Signature: *Edie O. Kelly*