West Lake Landfill Baseline Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.

Project Name: West Lake Landfill Baseline Ambient Air Monitoring
Period Start: 10/4/14 6:00 AM
Period End: 10/10/14 6:00 AM

DAY: 6 AM to 6 PM
NIGHT: 6 PM to 6 AM

Statistics displayed: highest 8-hour time-weighted average occurring within the period

Station 1: Robertson Fire Protection Station 2, 3820 Taussig Road, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 10/4		Sun 10/5		Mon 10/6		Tue 10/7		Wed 10/8		Thu 10/9		Fri 10/10	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00
	SO_2	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	10.0	10.1	10.5	10.7	10.4	10.3	10.9	10.4	10.3	10.2	11.6	10.2	11.4	10.9

Station 2: Pattonville Fire Department District, 13900 St. Charles Rock Road, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 10/4		Sun 10/5		Mon 10/6		Tue 10/7		Wed 10/8		Thu 10/9		Fri 10/10	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.06	0.09	0.06	0.07	0.07	0.10	0.10	0.11	0.01	0.00	0.00	0.00
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SO_2	8 hr	ppm	0.02	0.03	0.08	0.09	0.07	0.08	0.08	0.10	0.09	0.10	0.07	0.06	0.03	0.02
Genitron	Gamma	8 hr	µR/hr	9.3	9.2	9.5	9.6	10.2	10.1	9.7	9.8	9.9	9.8	10.7	9.6	10.2	10.1

Station 3: Pattonville Fire Department District Station 2, 3365 McKelvey Road, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 10/4		Sun 10/5		Mon 10/6		Tue 10/7		Wed 10/8		Thu 10/9		Fri 10/10	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.05	0.06	0.03	0.04	0.05	0.06	0.09	0.09	0.03	0.02	0.00	0.00
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SO_2	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	10.8	10.6	11.3	11.6	11.4	11.3	11.6	11.8	11.6	11.5	12.8	11.5	12.4	12.2

Station 4: Spanish Village Park, 12827 Spanish Village Drive, Bridgeton, MO

Instrument	Analyte	TWA Period	Units	Sat 10/4		Sun 10/5		Mon 10/6		Tue 10/7		Wed 10/8		Thu 10/9		Fri 10/10	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	CO	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	H_2S	8 hr	ppm	0.27	0.24	0.24	0.19	0.19	0.18	0.19	0.19	0.18	0.18	0.17	0.17	0.18	0.18
	SO_2	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	9.0	9.2	9.5	9.7	9.4	9.5	10.0	9.7	9.2	9.2	10.8	9.4	10.6	10.2

Station 5: St. Charles Fire Department Station #2, 1550 S. Main Street, St. Charles, MO

Instrument	Analyte	TWA Period	Units	Sat 10/4		Sun 10/5		Mon 10/6		Tue 10/7		Wed 10/8		Thu 10/9		Fri 10/10	
				DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT	DAY	NIGHT
Area Rae	VOCs	8 hr	ppm	0.56	0.47	0.49	0.32	0.33	0.28	0.30	0.32	0.42	0.23	0.37	0.38	0.44	0.45
	CO	8 hr	ppm	0.03	0.09	0.34	0.37	0.30	0.32	0.43	0.47	0.71	0.80	0.66	0.20	0.12	0.09
	H_2S	8 hr	ppm	0.11	0.13	0.63	0.66	0.58	0.61	0.73	0.78	1.05	1.10	0.56	0.38	0.23	0.14
	SO_2	8 hr	ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Genitron	Gamma	8 hr	µR/hr	8.8	9.0	9.4	9.5	9.5	9.5	9.5	9.7	9.6	9.2	10.2	9.4	10.7	10.2

Hours of Intrusive Isolation Barrier Construction	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*	*none*

Notes:

CO	Carbon monoxide	µR/hr	microRoentgen per hour	SO_2	Sulfur dioxide	VOC	Volatile organic compound
H_2S	Hydrogen Sulfide	ppm	Parts per million	TWA	Time-weighted Average		