

Job No:	GM13005
Site Name:	Pilsworth Landfill Site
Client:	Valencia Waste Management Ltd

Visit No:	1	of	6
Date:	19/03/2024		
Time:	13:45	to	15:40

Operator:	XM
Ground Gas Analyser:	12002
Last Calibration:	07/03/2024



Monitoring Point	Order	GAS CONCENTRATIONS									VOLATILES	FLOW DATA				WELL AND WATER DATA			ADDITIONAL COMMENTS
		Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		Time Taken for Steady		Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time Taken for Steady	Product thickness (mm)	Water level (m bgl)	Depth of well (mbgl)	
		Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady	(mins)		Peak	Steady		(mins)				
BH1	2	0.00	0.00	4.00	2.40	0.00	0.00	14.00	14.70	2.00		0.30	0.30		2.00		9.30	17.60	Bung was left open prior to arrival on-site
BH2	4	0.00	0.00	0.10	0.00	0.00	0.00	20.70	20.70	2.00		0.00	0.00		2.00		10.20	17.20	
BH3	3	0.00	0.00	0.10	0.10	0.00	0.00	20.70	20.80	2.00		0.10	0.00		2.00		6.73	18.58	
BH4	1	0.00	0.00	0.00	0.00	0.00	0.00	18.30	20.80	2.00		0.40	0.30		2.00		8.69	20.43	
BH5	5	0.00	0.00	4.00	4.10	0.00	0.00	10.40	10.80	2.00		0.00	0.00		2.00		8.87	15.23	
Max		0.00	0.00	4.00	4.10	0.00	0.00	20.70	20.80		0.0	0.40	0.30	0.00		0	10.20	20.43	
Min		0.00	0.00	0.00	0.00	0.00	0.00	10.40	10.80		0.0	0.00	0.00	0.00		0	6.73	15.23	

SITE INFORMATION:

Nature of ground: ☒ Soft-landscaping ☐ Hardstanding

State of ground: ☒ Dry ☐ Wet

☐ Frozen ☐ Snow

Wind: ☒ Calm ☐ Moderate ☐ Strong

Cloud cover: ☒ None ☐ Cloudy ☐ Overcast

Precipitation: ☒ None ☐ Moderate ☐ Heavy

Additional Comments:

N/A.

METEOROLOGICAL INFORMATION:

Gas Monitor Atmospheric Pressure: Start of Visit End of Visit

Official Barometric Pressure (mbar): 3hr Before End of Monitoring

Atmospheric Pressure Tendency:

Taken from www.metoffice.gov.uk station: BURY

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

☒ Falling (decreasing change >1.6 mbar)

☐ Steady (change of 0.1 - 1.5 mbar)

☐ Rising (increasing change >1.6 mbar)

General pressure Tendency for preceding 24 hours:

☐ Falling

☐ Steady

☒ Rising

Job No:	GM13005
Site Name:	Pilsworth Landfill Site
Client:	Valencia Waste Management Ltd

Visit No:	2	of	6
Date:	27/03/2024		
Time:	14:00	to	15:30

Operator:	SC
Ground Gas Analyser:	12002
Last Calibration:	07/03/2024



Monitoring Point	Order	GAS CONCENTRATIONS									VOLATILES	FLOW DATA				WELL AND WATER DATA			ADDITIONAL COMMENTS
		Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		Time Taken for Steady		Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time Taken for Steady	Product thickness (mm)	Water level (m bgl)	Depth of well (mbgl)	
		Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady	(mins)		Peak	Steady		(mins)				
BH1	2	0.00	0.00	0.10	0.10	0.00	0.00	20.40	20.40	2.00		2.10	1.90		2.00		7.25	17.73	
BH2	4	0.00	0.00	0.10	0.00	1.00	0.00	20.00	20.20	2.00		5.40	5.00		2.00		10.10	17.16	
BH3	3	0.00	0.00	6.40	6.10	0.00	0.00	11.80	12.20	2.00		0.00	0.00		2.00		9.40	18.52	
BH4	1	0.00	0.00	0.90	0.90	1.00	0.00	18.40	18.40	2.00		0.00	0.00		2.00		8.58	20.25	
BH5	5	0.00	0.00	6.90	6.90	0.00	0.00	8.40	8.50	2.00		0.40	0.40		2.00		9.21	15.00	
Max		0.00	0.00	6.90	6.90	1.00	0.00	20.00	20.20		0.0	5.40	5.00	0.00		0	10.10	20.25	
Min		0.00	0.00	0.10	0.00	0.00	0.00	8.40	8.50		0.0	0.00	0.00	0.00		0	7.25	15.00	

SITE INFORMATION:

Nature of ground: ☒ Soft-landscaping ☐ Hardstanding

State of ground: ☐ Dry ☒ Wet
☐ Frozen ☐ Snow

Wind: ☐ Calm ☒ Moderate ☐ Strong

Cloud cover: ☐ None ☐ Cloudy ☒ Overcast

Precipitation: ☐ None ☒ Moderate ☐ Heavy

Additional Comments:
 N/A.

METEOROLOGICAL INFORMATION:

Gas Monitor Atmospheric Pressure: Start of Visit End of Visit

Official Barometric Pressure (mbar): 3hr Before End of Monitoring

Atmospheric Pressure Tendency:

Taken from www.metoffice.gov.uk station: BURY

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

☐	Falling (decreasing change >1.6 mbar)
☐	Steady (change of 0.1 - 1.5 mbar)
☐	Rising (increasing change >1.6 mbar)

General pressure Tendency for preceding 24 hours:

☒	Falling
☐	Steady
☐	Rising

Job No:	GM13005
Site Name:	Pilsworth Landfill Site
Client:	Valencia Waste Management Ltd

Visit No:	3	of	6
Date:	04/04/2024		
Time:	15:00	to	16:00

Operator:	SC
Ground Gas Analyser:	12002
Last Calibration:	07/03/2024



		GAS CONCENTRATIONS									VOLATILES	FLOW DATA				WELL AND WATER DATA			ADDITIONAL COMMENTS
Monitoring Point	Order	Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		Time Taken for Steady (mins)	PID Peak (ppm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time Taken for Steady (mins)	Product thickness (mm)	Water level (m bgl)	Depth of well (mbgl)	
		Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady			Peak	Steady						
BH1	2	0.00	0.00	0.10	0.00	0.00	0.00	20.40	20.40	2.00		0.00	0.00		2.00		9.24	17.68	
BH2	4	0.00	0.00	0.00	0.00	1.00	0.00	19.70	20.00	2.00		0.40	0.30		2.00		10.08	17.20	
BH3	3	0.00	0.00	0.00	0.00	0.00	0.00	20.40	20.50	2.00		0.00	0.00		2.00		9.03	18.53	
BH4	1	0.00	0.00	0.40	0.40	0.00	0.00	19.60	19.60	2.00		0.00	0.00		2.00		8.93	20.27	
BH5	5	0.00	0.00	7.30	7.00	0.00	0.00	7.50	8.00	2.00		0.00	0.00		2.00		9.27	15.05	
Max		0.00	0.00	7.30	7.00	1.00	0.00	20.40	20.50		0.0	0.40	0.30	0.00		0	10.08	20.27	
Min		0.00	0.00	0.00	0.00	0.00	0.00	7.50	8.00		0.0	0.00	0.00	0.00		0	8.93	15.05	

SITE INFORMATION:

Nature of ground: ☒ Soft-landscaping ☐ Hardstanding

State of ground: ☒ Dry ☐ Wet
☐ Frozen ☐ Snow

Wind: ☒ Calm ☐ Moderate ☐ Strong

Cloud cover: ☐ None ☒ Cloudy ☐ Overcast

Precipitation: ☒ None ☐ Moderate ☐ Heavy

Additional Comments:
N/A.

METEOROLOGICAL INFORMATION:

Gas Monitor Atmospheric Pressure: Start of Visit End of Visit

Official Barometric Pressure (mbar): 3hr Before End of Monitoring

Atmospheric Pressure Tendency:

Taken from www.metoffice.gov.uk station: BURY

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

☒ Falling (decreasing change >1.6 mbar)
☐ Steady (change of 0.1 - 1.5 mbar)
☐ Rising (increasing change >1.6 mbar)

General pressure Tendency for preceding 24 hours:

☐ Falling
☐ Steady
☒ Rising

Job No:	GM13005
Site Name:	Pilsworth Landfill Site
Client:	Valencia Waste Management Ltd

Visit No:	4	of	6
Date:	11/04/2024		
Time:	13:00	to	14:20

Operator:	SC
Ground Gas Analyser:	12002
Last Calibration:	07/03/2024



Monitoring Point	Order	GAS CONCENTRATIONS									VOLATILES	FLOW DATA				WELL AND WATER DATA			ADDITIONAL COMMENTS
		Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		Time Taken for Steady		Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time Taken for Steady	Product thickness (mm)	Water level (m bgl)	Depth of well (mbgl)	
		Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady	(mins)		Peak	Steady		(mins)				
BH1	2	0.00	0.00	1.00	1.00	0.00	0.00	18.50	18.60	2.00		0.00	0.00		2.00		9.33	17.66	
BH2	4	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.10	2.00		0.00	0.00		2.00		10.90	17.20	
BH3	3	0.00	0.00	0.10	0.00	0.00	0.00	20.60	20.60	2.00		0.00	0.00		2.00		9.11	18.41	
BH4	1	0.00	0.00	0.90	0.80	0.00	0.00	18.80	18.90	2.00		0.00	0.00		2.00		8.73	20.29	
BH5	5	0.00	0.00	7.00	6.80	0.00	0.00	8.50	8.60	2.00		0.00	0.00		2.00		9.29	15.13	
Max		0.00	0.00	7.00	6.80	0.00	0.00	20.60	20.60		0.0	0.00	0.00	0.00		0	10.90	20.29	
Min		0.00	0.00	0.00	0.00	0.00	0.00	8.50	8.60		0.0	0.00	0.00	0.00		0	8.73	15.13	

SITE INFORMATION:

Nature of ground: ☒ Soft-landscaping ☐ Hardstanding

State of ground: ☒ Dry ☐ Wet

☐ Frozen ☐ Snow

Wind: ☒ Calm ☐ Moderate ☐ Strong

Cloud cover: ☐ None ☒ Cloudy ☐ Overcast

Precipitation: ☒ None ☐ Moderate ☐ Heavy

Additional Comments:

N/A.

METEOROLOGICAL INFORMATION:

Gas Monitor Atmospheric Pressure: Start of Visit End of Visit

Official Barometric Pressure (mbar): 3hr Before End of Monitoring

Atmospheric Pressure Tendency:

Taken from www.metoffice.gov.uk station: BURY

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

☒ Falling (decreasing change >1.6 mbar)

☐ Steady (change of 0.1 - 1.5 mbar)

☐ Rising (increasing change >1.6 mbar)

General pressure Tendency for preceding 24 hours:

☐ Falling

☐ Steady

☒ Rising

Job No:	GM13005
Site Name:	Pilsworth Landfill Site
Client:	Valencia Waste Management Ltd

Visit No:	5	of	6
Date:	18/04/2024		
Time:	09:00	to	12:30

Operator:	SC
Ground Gas Analyser:	12002
Last Calibration:	07/03/2024



		GAS CONCENTRATIONS									VOLATILES	FLOW DATA				WELL AND WATER DATA			ADDITIONAL COMMENTS
Monitoring Point	Order	Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		Time Taken for Steady (mins)	PID Peak (ppm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time Taken for Steady (mins)	Product thickness (mm)	Water level (m bgl)	Depth of well (mbgl)	
		Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady			Peak	Steady						
BH1	2	0.00	0.00	3.10	3.10	0.00	0.00	16.00	16.10	2.00		0.00	0.00		2.00		9.30	17.54	
BH2	3	0.00	0.00	0.00	0.00	0.00	0.00	19.70	19.70	2.00		11.80	11.80		2.00		10.40	17.25	
BH3	1	0.00	0.00	0.00	0.00	1.00	0.00	20.30	20.40	2.00		0.10	0.10		2.00		9.09	18.33	
BH4	5	0.00	0.00	0.10	0.10	0.00	0.00	20.30	20.30	2.00		0.00	0.00		2.00		8.71	20.37	
BH5	4	0.00	0.00	8.10	8.10	0.00	0.00	7.70	7.80	2.00		0.00	0.00		2.00		8.84	15.20	
Max		0.00	0.00	8.10	8.10	1.00	0.00	20.30	20.40		0.0	11.80	11.80	0.00		0	10.40	20.37	
Min		0.00	0.00	0.00	0.00	0.00	0.00	7.70	7.80		0.0	0.00	0.00	0.00		0	8.71	15.20	

SITE INFORMATION:

Nature of ground: ☒ Soft-landscaping ☐ Hardstanding

State of ground: ☒ Dry ☐ Wet
☐ Frozen ☐ Snow

Wind: ☒ Calm ☐ Moderate ☐ Strong

Cloud cover: ☒ None ☐ Cloudy ☐ Overcast

Precipitation: ☒ None ☐ Moderate ☐ Heavy

Additional Comments:
N/A.

METEOROLOGICAL INFORMATION:

Gas Monitor Atmospheric Pressure: Start of Visit End of Visit

Official Barometric Pressure (mbar): 3hr Before End of Monitoring

Atmospheric Pressure Tendency:

Taken from www.metoffice.gov.uk station: BURY

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

☒	Falling (decreasing change >1.6 mbar)
☐	Steady (change of 0.1 - 1.5 mbar)
☐	Rising (increasing change >1.6 mbar)

General pressure Tendency for preceding 24 hours:

☐	Falling
☐	Steady
☒	Rising

Job No:	GM13005
Site Name:	Pilsworth Landfill Site
Client:	Valencia Waste Management Ltd

Visit No:	6	of	6
Date:	23/04/2024		
Time:	14:00	to	15:15

Operator:	SC
Ground Gas Analyser:	12910
Last Calibration:	10/04/2024



		GAS CONCENTRATIONS									VOLATILES	FLOW DATA				WELL AND WATER DATA			ADDITIONAL COMMENTS
Monitoring Point	Order	Methane (%v/v)		Carbon dioxide (%v/v)		Carbon monoxide (ppm)	Hydrogen sulphide (ppm)	Oxygen (%v/v)		Time Taken for Steady (mins)	PID Peak (ppm)	Flow rate (l/hr)		Differential borehole Pressure (Pa)	Time Taken for Steady (mins)	Product thickness (mm)	Water level (m bgl)	Depth of well (mbgl)	
		Peak	Steady	Peak	Steady	Peak	Peak	Min	Steady			Peak	Steady						
BH1	2	0.00	0.00	0.20	0.20	0.00	0.00	19.40	19.30	2.00		0.50	0.50		2.00		9.28	17.55	
BH2	4	0.00	0.00	0.20	0.20	0.00	0.00	20.00	20.10	2.00		0.00	0.00		2.00		10.08	17.24	
BH3	3	0.00	0.00	0.20	0.20	0.00	0.00	19.00	19.00	2.00		1.20	1.20		2.00		9.08	17.81	
BH4	1	0.00	0.00	0.10	0.10	0.00	0.00	20.30	20.30	2.00		1.30	1.30		2.00		8.70	20.22	
BH5	5	0.00	0.00	0.20	0.20	0.00	0.00	20.20	20.20	2.00		3.60	3.60		2.00		9.25	14.79	
Max		0.00	0.00	0.20	0.20	0.00	0.00	20.30	20.30		0.0	3.60	3.60	0.00		0	10.08	20.22	
Min		0.00	0.00	0.10	0.10	0.00	0.00	19.00	19.00		0.0	0.00	0.00	0.00		0	8.70	14.79	

SITE INFORMATION:

Nature of ground: ☒ Soft-landscaping ☐ Hardstanding

State of ground: ☒ Dry ☐ Wet
☐ Frozen ☐ Snow

Wind: ☒ Calm ☐ Moderate ☐ Strong

Cloud cover: ☒ None ☐ Cloudy ☐ Overcast

Precipitation: ☒ None ☐ Moderate ☐ Heavy

Additional Comments:
 N/A.

METEOROLOGICAL INFORMATION:

Gas Monitor Atmospheric Pressure: Start of Visit End of Visit

Official Barometric Pressure (mbar): 3hr Before End of Monitoring

Atmospheric Pressure Tendency:

Taken from www.metoffice.gov.uk station: BURY

(Change in atmospheric pressure for the preceding 3 hours of monitoring)

☒ Falling (decreasing change >1.6 mbar)
☐ Steady (change of 0.1 - 1.5 mbar)
☐ Rising (increasing change >1.6 mbar)

General pressure Tendency for preceding 24 hours:

☒ Falling
☐ Steady
☐ Rising