

Table: Summary of Sub-Surface Landfill Gas Monitoring (Outside Waste) carried out at Bryn Pica Landfill Site Jan 15 - Dec 15.

Determinant	GMBH 7			GMBH 10			GMBH06-01			GMBH06-02		
	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave
CH4 (% by Vol)	0.0	0.0	0.0	no record			0.1	0.0	0.0	20.6	0.0	7.9
CO2 (% by Vol)	0.1	0.0	0.1				2.0	0.1	0.8	16.1	0.1	8.7
O2 (% by Vol)	22.4	20.3	21.5				21.6	18.1	20.5	21.4	0.4	8.3
CO (ppm)	0	0	0				0	0	0	0	0	0
H2S (ppm)	0	0	0				0	0	0	0	0	0
Pressure (mbar)	0.2	-0.1	0.0				19.2	-3.2	1.9	0.1	-0.1	0.0
Determinant	GMBH06-03			GMBH06-05			GMBH06-06			GMBH06-07		
	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave
CH4 (% by Vol)	9.0	0.0	2.9	0.0	0.0	0.0	36.2	0.0	24.3	4.7	0.0	0.7
CO2 (% by Vol)	14.4	0.1	5.0	2.8	0.0	1.2	24.6	0.1	17.7	2.9	0.1	1.4
O2 (% by Vol)	21.8	2.5	13.1	22.7	18.0	20.4	22.2	0.2	4.8	22.1	0.8	10.2
CO (ppm)	0	0	0	0	0	0	1	0	0	0	0	0
H2S (ppm)	0	0	0	0	0	0	0	0	0	0	0	0
Pressure (mbar)	0.2	0.0	0.0	0.2	-0.1	0.0	0.2	-0.1	0.0	0.2	0.0	0.0
Determinant	GMBH06-08			GMBH06-09			GMBH06-10			GMBH06-11		
	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave
CH4 (% by Vol)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CO2 (% by Vol)	3.3	0.1	1.9	4.2	0.0	2.6	2.8	0.1	1.7	1.2	0.7	1.0
O2 (% by Vol)	21.4	14.2	18.6	21.0	17.8	19.1	21.5	17.3	19.9	21.5	17.3	20.7
CO (ppm)	0	0	0	0	0	0	0	0	0	0	0	0
H2S (ppm)	0	0	0	0	0	0	0	0	0	0	0	0
Pressure (mbar)	2.7	0.0	0.3	0.3	-3.5	-0.3	0.1	0.0	0.0	0.1	0.0	0.0
Determinant	GMBH07-02			GMBH07-03			GMBH07-04			GMBH07-05		
	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave
CH4 (% by Vol)	no record			0.1	0.0	0.0	0.0	0.0	0.0	no record		
CO2 (% by Vol)				2.9	1.7	2.1	2.4	0.0	0.9			
O2 (% by Vol)				21.2	19.9	20.4	22.2	19.3	20.9			
CO (ppm)				0	0	0	0	0	0			
H2S (ppm)				0	0	0	0	0	0			
Pressure (mbar)				0.0	-0.1	0.0	0.3	-0.1	0.0			
Determinant	GMBH08-01			GMBH08-02			GMBH09-01			GMBH12-01		
	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave	Max	Min	Ave
CH4 (% by Vol)	46.5	0.0	37.2	no record			2.7	0.0	0.4	4.0	0.3	1.4
CO2 (% by Vol)	20.3	0.1	17.2				11.4	-0.1	3.7	3.2	0.5	1.5
O2 (% by Vol)	22.8	0.1	2.6				21.8	-2.1	15.1	17.3	1.4	9.8
CO (ppm)	1	0	0				0	0	0	0	0	0
H2S (ppm)	2	0	1				0	0	0	0	0	0
Pressure (mbar)	5.4	-45.7	-7.4				0.1	0.0	0.0	0.1	-0.1	0.0

[illegible]

[illegible]

Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																					
LFG Ground Monitoring Borehole 2008 No. 02																					
														Analysis							
Determinand	28.01.15	12.02.15	17.03.15	09.04.15	21.05.15	09.06.15	15.07.15		30.09.15		19.11.15	31.12.15	Count	Max	Min	Ave					
CH4 %	17.8	0.0	20.6	6.6	0.0	0.1	0.0		5.1	4.8	18.7	13.2	11	20.6	0.0	7.9					
CO2 %	16.1	5.2	12.6	9.9	0.1	0.3	1.7		12.6	13.9	12.3	11.0	11	16.1	0.1	8.7					
O2 %	1.9	13.4	0.4	6.3	20.8	21.4	18.1		3.1	2.8	1.2	2.4	11	21.4	0.4	8.3					
Balance	64,2	81.4	66.4	77.2	79.1	78.2	80.2		79.2	78.5	67.8	73.4	10	81.4	66.4	76.1					
% L.E.L.		0			0	2	0	Machine	102	96	200	200	8	200.0	0.0	75.0					
Peak CH4 %	18.5	0.0	20.6	6.6	1	0.9	0	Sent Off	5.1	4.5	19	13	11	20.6	0.0	8.1					
Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0					
Carbon Monoxide (ppm)	0	0	0	0	0	0	0	Service	0	0	0	0	11	0.0	0.0	0.0					
Relative Pressure (mb)	0	-0.03	0.02	0.07	-0.05	0.02	0		0	0	0.00	0.00	11	0.1	-0.1	0.0					
Atmospheric Pressure (mb)	1012	1023	992	995	994	1004	988		999	992	984	NR	10	1023.0	984.0	998.3					
Temperature (°C)													0	0.0	0.0	#DIV/0!					
Depth to Base (m)	10.30	10.23	10.22	10.30	10.25	10.24	10.25		10.23	10.24	10.23	10.25	11	10.3	10.2	10.2					
Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY	DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!					
Comments													0	0	0	#DIV/0!					

Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
LFG Ground Monitoring Borehole 2008 No. 03																
													Analysis			
Determinand	28.01.15	12.02.15	17.03.15	09.04.15	21.05.15	09.06.15	15.07.15		30.09.15		19.11.15	31.12.15	Count	Max	Min	Ave
CH4 %	9.0	7.4	2.9	2.2	4.2	0.0	0.5		0.0	5.9	0.1	0.0	11	9.0	0.0	2.9
CO2 %	8.3	12.3	6.2	5.3	4.4	0.1	1.9		0.1	14.4	1.8	0.7	11	14.4	0.1	5.0
O2 %	7	2.5	10.8	10.7	14.3	21.8	17.8		21.1	4.3	15.2	19.0	11	21.8	2.5	13.1
Balance	75.7	77.8	80.1	81.8	77.1	78.1	79.8		78.8	75.4	82.9	80.3	11	82.9	75.4	78.9
% L.E.L.			58	44	84	0	10		0	118	2	0	9	118.0	0.0	35.1
Peak CH4 %	12	8	5	2	5	0.1	0.5	Machine	0	5.8	0	1	11	12	0	3
Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	Sent Off	0	0	0	0	11	0.0	0.0	0.0
Carbon Monoxide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0
Relative Pressure (mb)	0.07	0.00	0.03	0.15	0.02	0.1	0.07	Service	0	0	0.00	0.00	11	0.2	0.0	0.0
Atmospheric Pressure (mb)	1007	1032	993	999	994	1005	989		1003	1001	985	NR	10	1032.0	985.0	1000.8
Temperature (°C)													0	0.0	0.0	#DIV/0!
Depth to Base (m)	6.00	5.99	5.96	6.00	5.95	5.99	6.00		6.00	6.00	6	5.95	11	6.0	6.0	6.0
Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY	DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
Comments													0	0	0	#DIV/0!

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 05																
													Analysis				
	Determinand	28.01.15	12.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		20.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
	CO2 %	1.6	1.5	1.3	0.9	0.1	0.0	2.6		0.0	2.8	1.4	0.7	11	2.8	0.0	1.2
	O2 %	22.7	22.2	21.4	19.7	20.4	22.1	18.0		21.1	18.5	18.7	19.9	11	22.7	18.0	20.4
	Balance	75.7	76.3	77.3	79.4	79.5	77.9	79.4		78.9	78.7	79.9	79.4	11	79.9	75.7	78.4
	% L.E.L.	0	0	0	0	0	0	0	Machine	0	0	0	0	11	0.0	0.0	0.0
	Peak CH4 %	0	0	0	0	0	0	0	Sent Off	0	0	0	0	11	0	0	0
	Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0
	Carbon Monoxide (ppm)	0	0	0	0	0	0	0	Service	0	0	0	0	11	0.0	0.0	0.0
	Relative Pressure (mb)	0.12	-0.10	0.1	0	0.15	0.03	-0.03		0	-0.01	0	0	11	0.2	-0.1	0.0
	Atmospheric Pressure (mb)	1021	1044	998	998	997	1009	991		1004	1001	984	NR	10	1044.0	984.0	1004.7
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)	5.95	5.97	5.98	6.02	6.00	6.02	6.00		6.01	6.05	6.03	6	11	6.1	6.0	6.0
	Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY	DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
	Comments													0	0	0	#DIV/0!

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 06																
													Analysis				
	Determinand	28.01.15	12.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		20.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %	27.6	28.4	28.0	30.4	23.3	0.0	35.9		36.2	32.6	25.1	0.0	11	36.2	0.0	24.3
	CO2 %	21.7	20.8	20.4	20.8	19.6	0.1	24.6		21.9	22.9	21.8	0.1	11	24.6	0.1	17.7
	O2 %	0.3	0.2	0.8	0.2	2.4	22.2	0.2		2.3	0.2	2.2	21.5	11	22.2	0.2	4.8
	Balance	50.4	50.6	50.8	48.6	54.7	77.7	39.3		39.6	44.3	50.9	78.4	11	78.4	39.3	53.2
	% L.E.L.						0		Machine	200	200	200	0	5	200.0	0.0	120.0
	Peak CH4 %	29.1	29	28.0	30.4	23	0	35.9	Sent Off	36.2	33	25.1	0	11	36.2	0.0	24.5
	Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0
	Carbon Monoxide (ppm)	0	0	1	1	1	0	1	Service	0	0	0	0	11	1.0	0.0	0.4
	Relative Pressure (mb)	-0.02	0.00	0.15	0.22	0.12	-0.07	0.12		-0.01	0.00	0	0	11	0.2	-0.1	0.0
	Atmospheric Pressure (mb)	1011	1036	997	998	999	1008	990		1003	1005	982	NR	10	1036.0	982.0	1002.9
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)	10.15	10.12	10.10	10.10	10.05	10.13	10.15		10.13	10.12	10.14	10.15	11	10.2	10.1	10.1
	Depth to Water (m)	7.08	7.94	7.59	7.52	7.40	7.65	9.30		8.10	8.88	7.68	7.97	11	9.3	7.1	7.9
	Comments													0	0	0	#DIV/0!

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 07																
														Analysis			
	Determinand	28.01.15	12.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		20.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %	0.4	0.4	0.6	0.0	0.0	0.0			0.4	0.0	0.0	4.7	10	4.7	0.0	0.7
	CO2 %	1.6	2.9	2.2	0.9	1.7	0.1			0.3	0.8	1.9	1.5	10	2.9	0.1	1.4
	O2 %	2.6	0.8	2.3	18.5	7.3	22.1			19.6	20.9	6.9	1	10	22.1	0.8	10.2
	Balance	95.4	95.9	94.9	80.6	91.0	77.8			79.7	78.3	91.2	92.8	10	95.9	77.8	87.8
	% L.E.L.	8	8	12	0	0	0	PUMP	Machine	8	0	0	94	10	94.0	0.0	13.0
	Peak CH4 %	0.4	0	0.6	0.0	1	0	FAILED	Sent Off	0.6	1	0.8	4.7	10	4.7	0.0	0.9
	Hydrogen Sulphide (ppm)	0	0	0	0	0	0		For A	0	0	0	0	10	0.0	0.0	0.0
	Carbon Monoxide (ppm)	0	0	0	0	0	0		Service	0	0	0	0	10	0.0	0.0	0.0
	Relative Pressure (mb)	0.15	0.07	-0.02	0.12	0.14	-0.02			0	0.00	0	-0.01	10	0.2	0.0	0.0
	Atmospheric Pressure (mb)	1009	1028	998	998	999	1008			1002	1004	NR	NR	8	1028.0	998.0	1005.8
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)	10.61	10.55	10.53	10.55	10.50	10.55			10.53	10.53	10.53	10.55	9	10.6	10.5	10.5
	Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY			DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
	Comments													0	0	0	#DIV/0!

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 08																
														Analysis			
	Determinand	28.01.15	12.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		19.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	10	0.0	0.0	0.0
	CO2 %	3.3	1.1	3.1	3.1	2.9	0.6			0.8	2.9	0.9	0.1	10	3.3	0.1	1.9
	O2 %	16.9	19.2	14.5	14.2	17	21.1			20.2	20.0	21.2	21.4	10	21.4	14.2	18.6
	Balance	79.8	79.7	82.4	82.7	80.1	78.3	Unable	Machine	79.0	77.1	77.9	78.5	10	82.7	77.1	79.6
	% L.E.L.	0	0	0	0	0	0	To	Sent Off	0	0	0	0	10	0.0	0.0	0.0
	Peak CH4 %	0	0	0	0	0	0	Test	For A	0	0	0	0	10	0	0	0
	Hydrogen Sulphide (ppm)	0	0	0	0	0	0	Gas	Service	0	0	0	0	10	0.0	0.0	0.0
	Carbon Monoxide (ppm)	0	0	0	0	0	0			0	0	0	0	10	0.0	0.0	0.0
	Relative Pressure (mb)	2.67	-0.02	-0.03	0.26	0.15	0.07			0	0.00	0	0	10	2.7	0.0	0.3
	Atmospheric Pressure (mb)	1008	1050	997	1001	1000	1007			1002	1002	987	NR	9	1050.0	987.0	1006.0
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)	10.50	10.45	10.45	10.38	10.40	10.45			10.50	10.47	10.45	10.5	10	10.5	10.4	10.5
	Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY			DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
	Comments													0	0	0	#DIV/0!

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 09																
													Analysis				
	Determinand	28.01.15	17.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07,15		30.09.15		19.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %	0.0	0.1	0.0	0.0	0.0	0	0.0		0.0	0.0	0.0	0.0	11	0.1	0.0	0.0
	CO2 %	3.4	4.2	3.8	2.9	3.2	2.1	1.9		0.0	2.3	2.9	1.6	11	4.2	0.0	2.6
	O2 %	21	18.5	18.7	18.4	18.2	19.7	18.7		20.7	19.7	18.5	17.8	11	21.0	17.8	19.1
	Balance	75.6	77.2	77.5	78.7	78.6	78.2	79.4		79.3	78.0	78.6	80.6	11	80.6	75.6	78.3
	% L.E.L.	0	2	0	0	0	0	0	Machine	0	0	0	0	11	2.0	0.0	0.2
	Peak CH4 %	0	0	0	0	0	0	0	Sent Off	0	0	0	0	11	0	0	0
	Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0
	Carbon Monoxide (ppm)	0	0	0	0	0	0	0	Service	0	0	0	0	11	0.0	0.0	0.0
	Relative Pressure (mb)	0.26	0.05	-3.46	-0.14	0.03	0.1	0.05		0	-0.01	-0.01	0	11	0.3	-3.5	-0.3
	Atmospheric Pressure (mb)	1017	1052	993	999	999	1007	989		1002	1001	989	NR	10	1052.0	989.0	1004.8
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)	10.15	10.10	10.17	10.15	10.20	10.20	10.25		10.15	10.12	10.16	10.15	11	10.3	10.1	10.2
	Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY	DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
	Comments													0	0	0	#DIV/0!

[illegible]

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 11																
													Analysis				
	Determinand	28.01.15	17.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		19.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	11	0.0	0.0	0.0
	CO2 %	1.2	1.1	1.2	1.0	1.1	1.1	1.0		1.0	0.7	0.9	1.0	11	1.2	0.7	1.0
	O2 %	22	20.6	21.0	20.2	20.3	21.3	20.0		20.3	21.6	21.6	18.9	11	22.0	18.9	20.7
	Balance	76.8	78.3	77.8	78.8	78.6	77.6	79.0		78.7	77.7	77.5	80.1	11	80.1	76.8	78.3
	% L.E.L.	0	0	0	0	0	0	0	Machine	0	0	0	0	11	0.0	0.0	0.0
	Peak CH4 %	0	0	0	0	0	0	0	Sent Off	0.1	0	0.1	0.1	0	0	0	0
	Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0
	Carbon Monoxide (ppm)	0	0	0	0	0	0	0	Service	0	0	0	0	11	0.0	0.0	0.0
	Relative Pressure (mb)	0.03	-0.02	0.09	0.09	0.02	0.1	0		-0.01	-0.01	0	-0.01	11	0.1	0.0	0.0
	Atmospheric Pressure (mb)	1015	1059	999	999	1001	1010	991		1002	998	989	NR	10	1059.0	989.0	1006.3
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)	10.40	10.45	10.55	10.38	10.45	10.35	10.38		10.36	10.34	10.32	10.35	11	10.6	10.3	10.4
	Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY	DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
	Comments													0	0	0	#DIV/0!

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																		
	LFG Ground Monitoring Borehole 2008 No. 02																		
	Determinand												Analysis						
	CH4 %												Count	Max	Min	Ave			
	CO2 %												0	0.0	0.0	#DIV/0!			
	O2 %												0	0.0	0.0	#DIV/0!			
	Balance												0	0.0	0.0	#DIV/0!			
	% L.E.L.												0	0.0	0.0	#DIV/0!			
	Peak CH4 %												0	0.0	0.0	#DIV/0!			
	Hydrogen Sulphide (ppm)												0	0.0	0.0	#DIV/0!			
	Carbon Monoxide (ppm)												0	0.0	0.0	#DIV/0!			
	Relative Pressure (mb)												0	0.0	0.0	#DIV/0!			
	Atmospheric Pressure (mb)												0	0.0	0.0	#DIV/0!			
	Temperature (°C)												0	0.0	0.0	#DIV/0!			
	Depth to Base (m)												0	0.0	0.0	#DIV/0!			
	Depth to Water (m)												0	0.0	0.0	#DIV/0!			
	Comments												0	0.0	0.0	#DIV/0!			

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 03																
														Analysis			
	Determinand	28.01.15	12.02.14	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		20.11.15	31.12.15	Count	Max	Min	Ave
	CH4 %		0.1	0.0				0.0					0.0	3	0.1	0.0	0.0
	CO2 %		1.8	1.7				2.9					0.1	3	2.9	1.7	2.1
	O2 %		21.2	20.0				19.9					21.1	3	21.2	19.9	20.4
	Balance		76.9	78.3				77.2					78.8	3	78.3	76.9	77.5
	% L.E.L.	Unable	2	0	Unable	Unable	Unable	0					0	3	2.0	0.0	0.7
	Peak CH4 %	To	0	0.0	To	To	To	0	Machine	NO	NO	NO	0	3	0.1	0.0	0.0
	Hydrogen Sulphide (ppm)	Test	0	0	Test	Test	Test	0	Sent Off	BUNG	BUNG	BUNG	0	3	0.0	0.0	0.0
	Carbon Monoxide (ppm)	Gas	0	0	Gas	Gas	Gas	0	For A				0	3	0.0	0.0	0.0
	Relative Pressure (mb)		0.00	0				-0.05	Service				-0.01	3	0.0	-0.1	0.0
	Atmospheric Pressure (mb)		1038	994				984					NR	3	1038.0	984.0	1005.3
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)		11.63	11.61				11.50		11,55	11.55	11,48	11.5	4	11.6	11.5	11.6
	Depth to Water (m)		DRY	DRY				DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!
	Comments													0	0	0	#DIV/0!

Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																	
LFG Ground Monitoring Borehole 2008 No. 04																	
														Analysis			
Determinand	28.01.15	17.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15		30.09.15		20.11.15	31.12.15	Count	Max	Min	Ave	
CH4 %	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	11	0.0	0.0	0.0	
CO2 %	1.5	1.1	1.0	0.8	1.1	0.0	0.3		0.0	0.7	2.4	0.6	11	2.4	0.0	0.9	
O2 %	22.2	22.2	21.4	20.0	19.5	22.1	21.1		21.0	20.8	19.3	20.7	11	22.2	19.3	20.9	
Balance	76.3	76.7	77.6	79.2	79.4	77.9	78.6		79.0	78.5	78.3	78.7	11	79.4	76.3	78.2	
% L.E.L.	0	0	0	0	0	0	0	Machine	0	0	0	0	11	0.0	0.0	0.0	
Peak CH4 %	1	0	0.1	0	0	0	0	Sent Off	0	0	0	0	11	0.5	0.0	0.1	
Hydrogen Sulphide (ppm)	0	0	0	0	0	0	0	For A	0	0	0	0	11	0.0	0.0	0.0	
Carbon Monoxide (ppm)	0	0	0	0	0	0	0	Service	0	0	0	0	11	0.0	0.0	0.0	
Relative Pressure (mb)	0.00	-0.05	0.03	0.15	0.26	0	0		0	0.00	0	0	11	0.3	-0.1	0.0	
Atmospheric Pressure (mb)	1019	1033	998	999	999	1009	990		1002	998	982	NR	10	1033.0	982.0	1002.9	
Temperature (°C)													0	0.0	0.0	#DIV/0!	
Depth to Base (m)	10.51	10.55	10.52	10.5	10.45	10.48	10.50		10.51	10.56	10.52	10.55	11	10.6	10.5	10.5	
Depth to Water (m)	DRY	DRY	DRY	DRY	DRY	DRY	DRY		DRY	DRY	DRY	DRY	0	0.0	0.0	#DIV/0!	
Comments													0	0	0.0	#DIV/0!	

	Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015																
	LFG Ground Monitoring Borehole 2008 No. 05																
														Analysis			
	Determinand	28.01.15	17.02.15	17.03.15	09.04.15	21.05.15	09.06.15	16.07.15						Count	Max	Min	Ave
	CH4 %													0	0.0	0.0	#DIV/0!
	CO2 %													0	0.0	0.0	#DIV/0!
	O2 %													0	0.0	0.0	#DIV/0!
	Balance													0	0.0	0.0	#DIV/0!
	% L.E.L.	NO	NO	NO	NO	NO	NO	NO						0	0.0	0.0	#DIV/0!
	Peak CH4 %	BUNG	BUNG	BUNG	BUNG	BUNG	BUNG	BUNG						0	0.0	0.0	#DIV/0!
	Hydrogen Sulphide (ppm)													0	0.0	0.0	#DIV/0!
	Carbon Monoxide (ppm)													0	0.0	0.0	#DIV/0!
	Relative Pressure (mb)													0	0.0	0.0	#DIV/0!
	Atmospheric Pressure (mb)													0	0.0	0.0	#DIV/0!
	Temperature (°C)													0	0.0	0.0	#DIV/0!
	Depth to Base (m)													0	0.0	0.0	#DIV/0!
	Depth to Water (m)													0	0.0	0.0	#DIV/0!
	Comments													0	0	0.0	#DIV/0!

Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015

LFG Ground Monitoring Borehole 2008 -Nearest landfill - connected to gas collection network to fl:

Determinand	28.01.15	12.02.15	17.03.15	09.04.15
CH4 %	44.7	0.0		43.4
CO2 %	20	0.1		18.2
O2 %	0.2	22.8	Unable	0.3
Balance	35.1	77.1	To	38.1
% L.E.L.		0	Test	
Peak CH4 %	46.7	0	Gas	43.4
Hydrogen Sulphide (ppm)	0	0		1
Carbon Monoxide (ppm)	0	0		0
Relative Pressure (mb)	-8	5.42		-3.05
Atmospheric Pressure (mb)	1015	1024		994
Temperature (°C)				
Depth to Base (m)				
Depth to Water (m)				
Comments				

are.

21.05.15	09.06.15	15.07.15		30.09.15	
40.1	37.4	36.0		46.5	42.3
17.9	18.3	18.3		19.4	19.7
0.8	0.3	1.0		0.1	0.6
41.2	44.0	44.7	Machine	34.0	37.4
			Sent Off	200	200
40	37.2	36	For A	45.2	42
2	1	1	Service	0	0
0	0	1		0	0
-45.73	-6.51	-15.97		-0.01	-0.01
994	1004	988		994	989

		Analysis			
19.11.15	31.12.15	Count	Max	Min	Ave
39.4	42.3	10	46.5	0.0	37.2
20.3	20.0	10	20.3	0.1	17.2
0.2	0.1	10	22.8	0.1	2.6
40.1	37.6	10	77.1	34.0	42.9
200	200	3	200.0	0.0	133.3
39.4	41.8	10	46.7	0.0	37.2
0	0	10	2.0	0.0	0.5
0	0	10	1.0	0.0	0.1
-0.01	-0.01	10	5.4	-45.7	-7.4
983	NR	9	1024.0	983.0	998.3
		0	0	0.0	#DIV/0!
		0	0	0.0	#DIV/0!
		0	0	0.0	#DIV/0!
		0	0	0.0	#DIV/0!

Bryn Pica Monthly Subsurface Landfill Gas Monitoring Results 2015

LFG Ground Monitoring Borehole 2009

Determinand	28.01.15	12.02.15	17.03.15	09.02.14	21.05.15
CH4 %	2.7	0.0	NO BUNG	0.5	0.0
CO2 %	11.4	10.2		3.0	0.1
O2 %	2.1	3.5		16.4	21.8
Balance	83.8	86.3		80.1	78.1
% L.E.L.	54	0		10	0
Peak CH4 %	2.8	0.1		0.8	0
Hydrogen Sulphide (ppm)	0	0		0	0
Carbon Monoxide (ppm)	0	0		0	0
Relative Pressure (mb)	-0.03	0.10		0.07	0.02
Atmospheric Pressure (mb)	1014	1027		994	995
Temperature (°C)					
Depth to Base (m)	11.40	11.35	11.37	11.4	11.45
Depth to Water (m)	DRY	DRY	DRY	DRY	DRY
Comments					

09.06.15	15.07.15		30.09.15		19.11.15	31.12.15
0.1	0.0		0.1	0.0	0.1	0.0
1.6	0.1		10.1	0.1	0.1	0.1
19.5	20.2		3.1	21.8	21.7	21.1
78.8	79.7		86.7	78.1	78.1	78.8
2	0	Machine	2	0	2	0
0.1	0.6	Sent Off	0.1	0	0.8	0
0	0	For A	0	0	0	0
0	0	Service	0	0	0	0
-0.02	0.05		0	0.00	-0.01	-0.01
1004	988		996	992	984	NR
11.38	11.40		11.35	11.36	11.36	11.4
DRY	DRY		DRY	DRY	DRY	DRY

Analysis			
Count	Max	Min	Ave
10	2.7	0.0	0.4
10	11.4	0.1	3.7
10	21.8	2.1	15.1
10	86.7	78.1	80.9
10	54.0	0.0	7.0
10	2.8	0.0	0.5
10	0.0	0.0	0.0
10	0.0	0.0	0.0
10	0.1	0.0	0.0
9	1027.0	984.0	999.3
0	0.0	0.0	#DIV/0!
11	11.5	11.4	11.4
0	0.0	0.0	#DIV/0!
0	0	0.0	#DIV/0!

Bryn Pica Monthly Subsurface Landfill Gas Monitoring

LFG Ground Monitoring Borehole 2009

Determinand	28.01.15	12.02.15
CH4 %	4.0	2.6
CO2 %	1.7	1.7
O2 %	1.4	4.0
Balance	92.9	91.7
% L.E.L.	80	52
Peak CH4 %	4.3	2.7
Hydrogen Sulphide (ppm)	0	0
Carbon Monoxide (ppm)	0	0
Relative Pressure (mb)	0.1	0.07
Atmospheric Pressure (mb)	1020	1019
Temperature (°C)		
Depth to Base (m)	7.50	7.45
Depth to Water (m)	5.09	DRY
Comments		

Results 2015

17.03.15	09.04.15	21.05.15	09.06.15	15.07.15
2.1	0.5	0.5	1.1	0.5
1.6	0.5	0.7	1.1	0.5
5.6	16.3	17.3	13.2	17.1
90.7	82.7	81.5	84.6	81.9
42	10	10	22	10
2.1	0.5	1	1.1	0.5
0	0	0	0	0
0	0	0	0	0
-0.1	0.05	-0.05	0	0.07
992	995	995	1004	988
7.49	7.5	7.55	7.44	7.50
DRY	DRY	DRY	6.04	5.00

	30.09.15		19.11.15	31.12.15	Count
Machine Sent Off For A Service	0.3	1.3	1.7	1.0	11
	0.7	3.2	2.8	1.6	11
	17.0	3.2	2.6	9.7	11
	82.0	92.3	92.9	87.7	11
	6	26	34	20	11
	0.3	1	1.7	1	11
	0	0	0	0	11
	0	0	0	0	11
	0	0.00	-0.01	0	11
	998	998	983	NR	10
					0
	7.54	7.49	7.51	7.55	11
	DRY	6.68	5.51	5.85	6
					0

Analysis		
Max	Min	Ave
4.0	0.3	1.4
3.2	0.5	1.5
17.3	1.4	9.8
92.9	81.5	87.4
80.0	6.0	28.4
4.3	0.3	1.5
0.0	0.0	0.0
0.0	0.0	0.0
0.1	-0.1	0.0
1020.0	983.0	999.2
0.0	0.0	#DIV/0!
7.6	7.4	7.5
6.7	5.0	5.7
0	0.0	#DIV/0!