



**Licence No 4627 Publication of Monitoring Data  
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**Landfill Gas Monitoring – Subsurface Gas**

**EPL No: 4627**

**Date of Sampling 3, 4, 8 and 10 December 2020**

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Subsurface landfill gas monitoring is usually a number of measurements taken over time with two events. The first event is initial measurements and the second event is measurements after the air space in the well has been pumped out. The highest measurement in the first (initial) and second (post-purge) events are reported in the following table.

Where the groundwater level is above the well screen the high water level can interfere with the monitoring equipment and no measurement/s can be taken.

Monitoring Point	EPA Identification Number	Frequency	Pollutant									
			Carbon Dioxide (%v/v)		Carbon Monoxide (ppm)		Hydrogen Sulphide (ppm)		Methane (%v/v)		Oxygen (%v/v)	
			Initial	Post Purge	Initial	Post Purge	Initial	Post Purge	Initial	Post Purge	Initial	Post Purge
LDS-GM-001	22	Quarterly	0	0	0	0	2	2	0.1	0	16.2	1.0
LDS-GM-002	23	Quarterly	Well destroyed									
LDS-GM-003A	24	Quarterly	Well destroyed									
LDS-GM-003B	25	Quarterly	Well destroyed									
LDS-GM-004	26	Quarterly	7.2	6.8	0	0	1	1	7.6	7.1	8.4	2.0
LDS-GM-005	27	Quarterly	7.2	6.9	0	0	0	1	0	0	19.0	9.5
LDS-GM-006A	28	Quarterly	14.7	10.0	0	0	1	1	0	0	16.0	9.0

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			Carbon Dioxide (%v/v)		Carbon Monoxide (ppm)		Hydrogen Sulphide (ppm)		Methane (%v/v)		Oxygen (%v/v)	
			Initial	Post Purge	Initial	Post Purge	Initial	Post Purge	Initial	Post Purge	Initial	Post Purge
LDS-GM-006B	29	Quarterly	14.5	NR1	0	NR1	1	NR1	0	NR1	18.0	NR1
LDS-GM-007A	30	Quarterly	NR1	NR1	NR1	NR1	NR1	NR1	NR1	NR1	NR1	NR1
LDS-GM-007B	31	Quarterly	High water level in well									
LDS-GM-008A	32	Quarterly	0.5	3.0	0	0	0	1	0	0	20.0	20.0
LDS-GM-008B	33	Quarterly	High water level in well									
LDS-GM-009C	34	Quarterly	15.9	0.2	8	0	2	1	0	0	19.9	20.5
LDS-GM-009D	35	Quarterly	13.0	0.2	1	3	1	1	0	0	18.1	20.5
LDS-GM-010A	36	Quarterly	1.8	1.3	0	0	0	1	0	0	20.8	19.3
LDS-GM-010B	37	Quarterly	5.4	5.8	0	0	1	1	0	0	19.2	16.6
LDS-GM-011A	38	Quarterly	0	0	0	0	0	0	0	0	20.8	19.8
LDS-GM-012C	39	Quarterly	11.7	11.7	0	0	1	1	0	0	19.9	11.9
LDS-GM-012D	40	Quarterly	9.7	0.1	0	0	0	0	0	0	15.8	20.4
LDS-GM-013	41	Quarterly	6.1	5.1	1	0	2	2	77.7	68.1	16.8	12.8
LDS-GM-014	42	Quarterly	0.1	0.3	6	1	1	2	0	0	21.0	15.2
LDS-GM-015	43	Quarterly	0.3	0.3	0	0	3	3	0	0	19.2	2.6
LDS-GM-016	44	Quarterly	1.9	1.8	0	0	3	4	0	0	19.8	0.9
LDS-GM-017	45	Quarterly	1.2	1.5	0	0	2	3	1.6	1.8	18.6	19.3
LDS-GM-018	46	Quarterly	1.5	1.3	0	0	1	2	0	0	18.7	15.4
LDS-GM-019	47	Quarterly	1.4	1.1	0	0	1	1	2.2	1.7	18.8	0.9
LDS-GM-020	48	Quarterly	3.0	3.6	0	0	3	2	0	0	20.3	15.9
LDS-GM-021	49	Quarterly	4.8	4.5	0	0	2	2	0	0	15.8	14.4

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			Carbon Dioxide (%v/v)		Carbon Monoxide (ppm)		Hydrogen Sulphide (ppm)		Methane (%v/v)		Oxygen (%v/v)	
			Initial	Post Purge	Initial	Post Purge	Initial	Post Purge	Initial	Post Purge	Initial	Post Purge
LDS-GM-022A	50	Quarterly	10.6	11.8	0	0	2	3	0	0	19.8	6.8
LDS-GM-023	51	Quarterly	0	0	0	0	1	1	0	0	16.8	9.7
LDS-GM-024A	52	Quarterly	3.2	2.9	0	0	0	0	0	0	18.4	15.7
LDS-GM-024B	53	Quarterly	1.0	2.2	0	0	0	1	0	0	15.8	2.0
LDS-GM-025	54	Quarterly	2.9	2.8	0	0	1	2	0	0	16.8	15.0
LDS-GM-026	55	Quarterly	11.4	7.9	0	0	1	2	0	0	5.2	2.4
LDS-GM-027	56	Quarterly	12.9	12.8	0	0	2	1	0	0	7.8	3.2
LDS-GM-028	57	Quarterly	29.0	29.1	0	0	1	1	64.8	64.7	18.0	12.5
LDS-GM-029	58	Quarterly	5.1	4.5	0	0	2	2	1.0	0.9	20.2	8.5
LDS-GM-030	59	Quarterly	13.3	13.1	0	1	0	1	0	0	19.8	5.3
LDS-BH-10321A	17	Quarterly	15.7	12.5	0	0	0	0	0	0	19.8	8.0
LDS-BH-10322	18	Quarterly	6.6	7.1	0	0	1	2	0	0	18.5	3.8
LDS-BH-10329	19	Quarterly	Well destroyed									
LDS-BH-10331	20	Quarterly	3.4	3.9	0	0	1	1	0	0	18.6	0.3
LDS-BH-10332	21	Quarterly	5.1	5.1	0	0	1	1	0.4	0.3	18.9	0
LDS-GV-48	60	Quarterly	15.0	15.1	0	0	0	1	31.1	31.4	19.6	0.9
LDS-GV-49	61	Quarterly	16.7	16.1	0	0	0	1	26.7	25.9	18.2	0.9
LDS-GV-50	62	Quarterly	25.8	22.5	0	0	6	30	63.1	52.1	20.2	1.1

NOTES:

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%v/v - percentage by volume

ppm - parts per million

NR1 - no result 1 – the water level too high to take measurement