



ANNEX G2

LANDFILL GAS MONITORING RESULTS

TABLE G2.1 LANDFILL GAS MONITORING RESULTS AT PERIMETER LFG MONITORING WELLS

January 2024				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.61	0.1	0.1	19.3
LFG2	3.38	0.1	0.4	19.7
LFG3	2.6	0.1	1.3	18.3
LFG4	2.5	0.0	0.2	18.3
LFG5	2.92	0.0	0.1	16.2
LFG6	3.04	0.0	0.2	19.7
LFG7	2.63	0.0	0.0	19.4
LFG8	2.52	0.0	0.2	16.9
LFG9	2.48	0.0	0.2	13.3
LFG10	2.21	0.0	0.2	9.2
LFG11	2.43	0.0	0.1	12.4
LFG12	2.33	0.0	0.0	17.8
LFG13	2.07	10.7	0.4	6.3
LFG14	2.06	0.0	0.1	18.6
LFG15	2.03	0.0	0.1	20.3
LFG16	2.99	0.0	0.1	20.4
LFG17	2.93	0.0	0.1	20.4
LFG18	3.01	0.0	0.8	18.2
LFG19	3.11	0.1	0.1	20.2
LFG20	3.96	0.0	0.3	19.7
LFG21	3.22	0.0	0.1	20.4
LFG22	2.75	0.0	0.1	20.3
LFG23	12.71	0.0	2.5	17.5
LFG24	6.44	0.0	0.1	20.4
GP1	Probe Bent	0.0	6.6	12.9
GP2 (shallow)	Probe Bent	0.0	0.7	19.6
GP2 (deep)	Probe Bent	0.0	0.4	19.9
GP3 (shallow)	Probe Bent	0.0	0.1	20.3
GP3 (deep)	Probe Bent	0.1	0.2	20.3
GP4 (shallow)	Probe Bent	0.0	0.4	20.1
GP4 (deep)	Probe Bent	0.0	0.1	20.4
GP5 (shallow)	Probe Bent	0.1	0.1	20.4
GP5 (deep)	38.8	0.0	0.1	20.4
GP6	35.26	0.0	0.1	20.4
GP7	36.35	0.0	0.1	20.4

GP12	2.13	0.1	0.0	20.3
GP15	2.52	0.1	0.0	20.1
P7	2.55	0.1	0.2	20.1
P8	2.68	0.1	0.1	20.3
P9	2.52	0.1	0.1	20.2
February 2024				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.73	0.0	0.2	19.8
LFG2	2.49	0.0	0.5	19.5
LFG3	2.33	0.0	1.5	19.3
LFG4	2.37	0.0	0.1	20.6
LFG5	2.76	0.0	0.3	12.5
LFG6	2.25	0.0	0.5	19.0
LFG7	2.41	0.0	0.1	19.8
LFG8	3.03	0.0	0.1	20.7
LFG9	2.37	0.0	0.4	12.2
LFG10	2.14	0.0	0.3	9.2
LFG11	2.33	0.0	0.2	12.3
LFG12	2.23	0.0	0.1	18.8
LFG13	2.08	12.0	0.5	5.0
LFG14	2.2	0.0	0.3	12.3
LFG15	2.17	0.9	1.5	9.8
LFG16	2.69	0.0	0.1	20.1
LFG17	4.36	0.0	0.2	20.6
LFG18	3.18	0.0	0.7	18.4
LFG19	3.27	0.0	0.2	19.2
LFG20	3.63	0.0	0.7	19.3
LFG21	3.14	0.0	0.6	19.1
LFG22	2.62	0.0	0.1	20.8
LFG23	12.86	0.0	1.8	18.3
LFG24	6.16	0.0	0.1	20.7
GP1	Probe Bent	0.0	0.3	20.4
GP2 (shallow)	Probe Bent	0.0	1.4	16.9
GP2 (deep)	Probe Bent	0.0	0.1	20.7
GP3 (shallow)	Probe Bent	0.0	0.1	20.8
GP3 (deep)	Probe Bent	0.0	0.5	20.2
GP4 (shallow)	Probe Bent	0.0	0.3	20.3
GP4 (deep)	Probe Bent	0.0	0.1	20.7

GP5 (shallow)	Probe Bent	0.0	0.1	20.7
GP5 (deep)	38.61	0.0	0.1	20.7
GP6	36.70	0.0	0.2	20.7
GP7	36.48	0.0	0.1	20.7
GP12	2.06	0.0	0.2	20.9
GP15	2.57	0.0	0.1	20.9
P7	2.64	0.0	0.1	20.9
P8	2.55	0.0	0.1	21.0
P9	2.4	0.0	0.1	20.9

March 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.37	0.3	0.2	19.5
LFG2	2.31	0.4	0.4	19.6
LFG3	2.21	0.3	1.1	18.8
LFG4	2.06	0.3	0.0	20.1
LFG5	2.59	0.3	0.2	12.2
LFG6	2.11	0.3	0.3	19.1
LFG7	2.32	0.2	0.0	18.5
LFG8	2.16	0.2	0.0	20.7
LFG9	2.32	0.2	0.4	14.8
LFG10	1.76	0.2	0.1	13.9
LFG11	1.95	0.2	0.1	11.6
LFG12	1.94	0.2	0.0	20.4
LFG13	2.03	10.2	0.8	5.4
LFG14	2.07	0.1	0.1	19.9
LFG15	2.19	0.1	0.6	18.1
LFG16	2.23	0.1	0.1	20.4
LFG17	2.36	0.1	0.1	20.1
LFG18	2.29	0.1	0.6	17.8
LFG19	2.36	0.2	0.1	20.2
LFG20	2.38	0.1	0.2	20.1
LFG21	2.59	0.2	0.1	20.2
LFG22	2.45	0.1	0.1	20.5
LFG23	12.63	0.2	0.1	16.7
LFG24	5.76	0.2	0.1	20.5
GP1	Probe Bent	0.2	0.2	20.2
GP2 (shallow)	Probe Bent	0.2	1.7	15.7
GP2 (shallow)	Probe Bent	0.2	0.1	20.3

GP2 (deep)	Probe Bent	0.2	0.1	20.4
GP3 (shallow)	Probe Bent	0.2	0.1	20.4
GP3 (deep)	Probe Bent	0.2	0.3	20.3
GP4 (shallow)	Probe Bent	0.2	0.1	20.4
GP4 (deep)	Probe Bent	0.2	0.1	20.4
GP5 (shallow)	Probe Bent	0.2	0.1	20.4
GP5 (deep)	37.97	0.2	0.1	20.5
GP6	36.16	0.3	0.2	19.5
GP7	35.94	0.2	0.2	20.1
GP12	1.77	0.4	0.0	20.7
GP15	2.3	0.3	0.0	20.3
P7	2.2	0.3	0.1	20.4
P8	2.44	0.3	0.0	20.5
P9	2.22	0.3	0.0	20.4

April 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.41	0.1	0.6	17.1
LFG2	3.19	0.1	0.4	19.9
LFG3	2.51	0.1	0.1	18.0
LFG4	2.22	0.1	0.1	19.2
LFG5	2.47	0.1	0.5	10.2
LFG6	2.2	0.1	0.3	19.1
LFG7	2.31	0.1	0.0	15.9
LFG8	2.12	0.1	0.1	18.8
LFG9	2.30	0.1	0.2	13.8
LFG10	1.92	0.1	0.1	18.6
LFG11	2.1	0.1	0.1	5.2
LFG12	1.84	0.1	0.1	18.2
LFG13	1.84	16.5	0.4	3.9
LFG14	1.81	0.1	0.1	17.7
LFG15	2.22	0.5	1.0	15.9
LFG16	2.11	0.0	0.1	18.9
LFG17	2.28	0.0	0.2	16.6
LFG18	2.43	0.0	0.7	15.3
LFG19	2.59	0.0	0.1	19.1
LFG20	2.54	0.0	0.5	17.7
LFG21	2.54	0.0	0.1	18.9
LFG22	2.47	0.0	0.1	18.8

LFG23	12.6	0.0	0.1	18.7
LFG24	5.71	0.0	0.1	18.9
GP1	Probe bent	0.0	0.3	20.5
GP2 (shallow)	Probe bent	0.0	1.4	17.5
GP2 (deep)	Probe bent	0.0	0.1	20.2
GP3 (shallow)	Probe bent	0.0	0.1	19.9
GP3 (deep)	Probe bent	0.0	0.1	19.6
GP4 (shallow)	Probe bent	0.0	0.5	18.9
GP4 (deep)	Probe bent	0.0	0.2	18.9
GP5 (shallow)	Probe bent	0.0	0.4	18.4
GP5 (deep)	37.62	0.0	0.1	18.6
GP6	35.83	0.0	0.9	17.2
GP7	35.47	0.0	0.1	18.8
GP12	1.9	0.1	0.1	20.2
GP15	2.21	0.1	0.0	19.1
P7	2.32	0.1	0.2	19.3
P8	2.48	0.1	0.1	19.3
P9	2.24	0.1	0.6	19.1

May 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.39	0.1	0.6	14.2
LFG2	3.38	0.1	0.7	20.9
LFG3	3.28	0.1	3.8	6.4
LFG4	2.77	0.1	1.7	3.6
LFG5	3.26	0.1	0.3	1.7
LFG6	3.05	0.1	0.4	19.4
LFG7	3.66	0.1	0.1	18.8
LFG8	4.26	0.1	0.1	20.0
LFG9	3.34	0.9	0.1	16.9
LFG10	3.31	1.3	0.2	9.2
LFG11	3.67	0.1	0.0	20.0
LFG12	3.27	0.3	0.0	20.1
LFG13	2.90	0.1	0.0	20.7
LFG14	2.79	0.3	0.0	20.5
LFG15	2.93	10.8	0.1	9.2
LFG16	3.74	0.1	0.1	20.2
LFG17	2.96	10.8	0.3	1.2
LFG18	3.97	0.1	0.1	20.4

LFG19	4.89	0.1	0.1	20.4
LFG20 ^(a)	N/A	N/A	N/A	N/A
LFG21	4.46	0.0	0.1	20.3
LFG22	4.4	0.0	0.1	20.3
LFG23	23.25	0.0	0.1	20.1
LFG24	6.32	0.0	0.1	20.1
GP1	Probe bent	0.0	7.6	9.6
GP2 (shallow)	Probe bent	0.0	1.1	18.0
GP2 (deep)	Probe bent	0.0	0.2	19.9
GP3 (shallow)	Probe bent	0.0	0.1	20.1
GP3 (deep)	Probe bent	0.0	1.3	19.0
GP4 (shallow)	Probe bent	0.0	1.0	19.5
GP4 (deep)	Probe bent	0.0	4.2	15.3
GP5 (shallow)	Probe bent	0.0	5.5	14.1
GP5 (deep)	39.94	0.0	0.1	20.0
GP6	40.06	0.0	5.6	15.2
GP7	36.7	0.0	0.1	20.0
GP12	2.68	0.1	0.2	19.9
GP15	3.11	0.1	0.0	20.1
P7	3.1	0.1	0.0	20.1
P8	3.33	0.1	0.2	20.9
P9	3.22	0.1	0.4	19.3

Note:

(a) The Monitoring well LFG20 was under maintenance.

June 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	0.53	0.0	1.3	13.0
LFG2	3.14	0.0	1.6	18.3
LFG3	3.21	0.0	3.4	18.1
LFG4	3.08	0.0	0.1	19.9
LFG5	3.32	0.0	0.1	6.1
LFG6	3.28	0.0	0.2	19.8
LFG7	3.49	0.0	0.3	18.5
LFG8	3.18	0.0	0.1	20.2
LFG9	2.97	0.0	0.3	13.4
LFG10	2.98	0.0	0.2	18.7
LFG11	1.39	0.0	0.1	20.4
LFG12	2.99	0.0	0.1	20.1

LFG13	2.64	0.0	0.1	20.1
LFG14	3.18	0.0	0.1	20.3
LFG15	2.73	0.0	0.1	20.3
LFG16	3.24	0.0	0.2	20.1
LFG17	3.27	0.0	1.8	4.3
LFG18	4.63	0.0	0.2	20.1
LFG19	3.89	0.0	0.1	20.2
LFG20 ^(a)	N/A	N/A	N/A	N/A
LFG21	4.24	0.0	0.1	20.2
LFG22	4.12	0.0	0.1	20.3
LFG23	12.92	0.0	0.1	20.2
LFG24	6.52	0.0	0.1	20.2
GP1	Probe bent	0.0	1.9	15.0
GP2 (shallow)	Probe bent	0.0	0.8	19.2
GP2 (deep)	Probe bent	0.0	0.1	20.1
GP3 (shallow)	Probe bent	0.0	0.2	20.2
GP3 (deep)	Probe bent	0.0	0.8	19.8
GP4 (shallow)	Probe bent	0.0	0.6	19.7
GP4 (deep)	Probe bent	0.0	0.5	19.8
GP5 (shallow)	Probe bent	0.0	5.4	12.4
GP5 (deep)	43.25	0.0	0.2	20.0
GP6	41.53	0.0	0.7	18.1
GP7	36.93	0.0	0.2	19.8
GP12	2.71	0.0	1.3	17.7
GP15	3.01	0.0	0.1	20.2
P7	3.25	0.0	0.1	20.0
P8	3.24	0.0	0.1	20.2
P9	2.96	0.0	0.3	19.9

Note:

(a) The Monitoring well LFG20 was under maintenance.

July 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.93	0.3	1.5	17.5
LFG2	2.9	0.4	0.0	20.7
LFG3	2.83	0.1	0.0	19.5
LFG4	3.07	0.1	0.0	19.6
LFG5	3.29	0.4	0.1	13.1
LFG6	2.63	0.1	0.0	19.7

LFG7	2.81	0.0	0.0	19.4
LFG8	2.84	0.0	0.0	19.7
LFG9	2.91	0.0	0.0	19.9
LFG10	2.49	0.0	0.0	18.8
LFG11	3.29	0.0	0.0	19.7
LFG12	2.78	0.0	0.0	19.6
LFG13	2.68	0.0	0.0	19.6
LFG14	2.99	0.0	0.0	19.3
LFG15	2.89	0.0	0.0	19.4
LFG16	3.69	0.0	0.3	18.5
LFG17	2.98	0.0	0.0	19.3
LFG18	4.24	0.0	0.1	19.1
LFG19	4.23	0.0	0.0	19.3
LFG20	4.50	0.0	0.0	19.1
LFG21	4.16	0.0	0.0	19.3
LFG22	3.70	0.0	0.0	19.2
LFG23	12.88	0.0	0.0	18.9
LFG24	6.81	0.0	0.0	18.9
GP1	Probe Bent	0.0	7.7	6.2
GP2 (shallow)	Probe Bent	0.0	0.2	19.6
GP2 (deep)	Probe Bent	0.0	0.1	19.8
GP3 (shallow)	Probe Bent	0.0	0.6	19.1
GP3 (deep)	Probe Bent	0.0	0.3	19.2
GP4 (shallow)	Probe Bent	0.0	0.1	16.8
GP4 (deep)	Probe Bent	0.0	0.4	18.0
GP5 (shallow)	Probe Bent	0.0	0.0	18.0
GP5 (deep)	40.47	0.0	0.1	18.9
GP6	39.34	0.0	1.5	16.9
GP7	36.72	0.0	0.9	17.7
GP12	2.35	0.3	0.0	20.1
GP15	2.68	0.2	0.1	19.5
P7	2.72	0.2	0.0	19.8
P8 (a)	N/A	N/A	N/A	N/A
P9	2.6	0.2	0.0	19.3

Note:

(a) The Monitoring well P8 was under maintenance.

August 2024				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.07	0.2	1.7	16.2
LFG2	2.83	0.2	1.0	18.8
LFG3	3.14	0.2	0.1	18.0
LFG4	3.24	0.1	0.0	19.8
LFG5	2.91	0.1	0.1	18.9
LFG6	2.86	0.1	0.2	18.3
LFG7	3.61	0.0	0.0	18.6
LFG8	3.01	0.0	0.1	19.5
LFG9	3.24	0.0	0.0	19.8
LFG10	3.41	0.0	0.0	20.0
LFG11	4.03	0.0	0.0	20.0
LFG12	3.03	0.0	0.0	20.0
LFG13	2.65	0.0	0.0	20.2
LFG14	2.86	0.3	0.0	20.3
LFG15	2.61	0.3	0.5	17.8
LFG16	3.1	0.0	0.5	17.6
LFG17	3.22	1.1	2.8	2.7
LFG18	5.41	0.0	0.2	19.2
LFG19	4.31	0.0	0.0	19.3
LFG20	4.36	0.0	0.0	19.0
LFG21	4.14	0.0	0.0	19.6
LFG22	3.82	0.0	0.0	19.5
LFG23	12.94	0.0	0.0	19.4
LFG24	6.91	0.0	0.0	19.5
GP1	Probe Bent	0.1	7.3	4.4
GP2 (shallow)	Probe Bent	0.0	0.6	18.9
GP2 (deep)	Probe Bent	0.0	0.1	19.7
GP3 (shallow)	Probe Bent	0.0	0.2	19.6
GP3 (deep)	Probe Bent	0.0	0.2	19.5
GP4 (shallow)	Probe Bent	0.0	0.9	18.8
GP4 (deep)	Probe Bent	0.0	0.5	19.4
GP5 (shallow)	Probe Bent	0.0	8.4	18.6
GP5 (deep)	42.57	0.0	0.1	19.5
GP6	40.32	0.0	1.6	17.1
GP7	36.88	0.0	0.3	18.5
GP12	2.49	0.0	0.2	18.8

GP15	3.43	0.1	0.0	19.5
P7	2.9	0.0	0.2	18.7
P8	3.17	0.2	0.1	19.4
P9	3.02	0.1	0.0	19.4
September 2024				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.21	0.0	1.5	14.3
LFG2	2.97	0.0	1.3	18.0
LFG3	3.14	0.0	0.3	19.4
LFG4	2.84	0.0	0.0	19.7
LFG5	2.17	0.0	0.1	19.9
LFG6	2.92	0.0	0.5	15.9
LFG7	3.31	0.0	0.1	17.9
LFG8	3.36	0.0	0.1	18.1
LFG9	3.12	0.0	0.2	8.7
LFG10	3.04	0.0	0.2	10.1
LFG11	3.57	0.0	0.2	11.5
LFG12	3.06	0.0	0.0	19.4
LFG13	2.96	10.1	0.0	19.1
LFG14	2.69	0.0	0.1	18.2
LFG15	2.91	0.0	1.2	7.6
LFG16	3.15	0.0	0.0	19.1
LFG17	3.43	0.0	0.1	19.1
LFG18	4.75	0.0	0.3	16.6
LFG19	5.16	0.0	0.5	10.4
LFG20	5.63	0.0	0.4	18.5
LFG21	4.83	0.0	0.2	19.6
LFG22 ^(a)	N/A	N/A	N/A	N/A
LFG23	12.93	0.0	0.0	19.6
LFG24	6.96	0.0	0.0	19.4
GP1	Probe Bent	0.0	1.0	17.4
GP2 (shallow)	Probe Bent	0.0	0.6	19.1
GP2 (deep)	Probe Bent	0.0	0.9	18.5
GP3 (shallow)	Probe Bent	0.0	1.3	16.5
GP3 (deep)	Probe Bent	0.0	0.1	19.4
GP4 (shallow)	Probe Bent	0.0	0.4	19.2
GP4 (deep)	Probe Bent	0.0	1.1	18.4
GP5 (shallow)	Probe Bent	0.0	10.1	19.5

GP5 (deep)	41.85	0.0	0.5	18.9
GP6 ^(b)	N/A	N/A	N/A	N/A
GP7	37.27	0.0	1.5	17.4
GP12	2.56	0.0	0.3	19.8
GP15	2.88	0.0	0.0	20.1
P7	2.94	0.0	0.0	19.9
P8	3.16	0.0	0.1	19.9
P9	2.64	0.0	0.0	20.0

Note:

(a) Monitoring well LFG22 is not accessible due to the landscape reparation work.

(b) Monitoring well GP6 is under maintenance.

October 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.03	0.2	1.7	18.0
LFG2	3.19	0.2	1.1	19.2
LFG3	3.15	0.1	0.1	18.6
LFG4	3.03	0.1	0.0	19.7
LFG5	3.41	0.1	0.2	11.3
LFG6	3.03	0.1	0.1	19.7
LFG7	3.37	0.1	0.1	18.4
LFG8	3.21	0.1	0.0	20.0
LFG9	3.15	0.1	0.0	20.0
LFG10	3.19	0.1	0.0	20.0
LFG11	3.3	0.1	0.0	20.0
LFG12	3.23	0.1	0.0	19.8
LFG13	2.81	0.1	0.0	19.9
LFG14	3.34	0.1	0.1	20.0
LFG15	3.11	0.1	0.2	19.2
LFG16	3.38	0.1	0.9	17.8
LFG17	3.77	0.1	2.0	8.7
LFG18	4.43	0.1	0.2	19.8
LFG19	4.51	0.1	0.0	20.3
LFG20	4.63	0.1	0.0	20.2
LFG21 ^(a)	N/A	N/A	N/A	N/A
LFG22 ^(a)	N/A	N/A	N/A	N/A
LFG23	13	0.1	0.0	20.3
LFG24	7.16	0.1	0.0	20.3
GP1	Probe Bent	0.1	0.1	0.5

GP2 (shallow)	Probe Bent	0.1	0.6	15.9
GP2 (deep)	Probe Bent	0.1	0.2	19.9
GP3 (shallow)	Probe Bent	0.1	1.0	18.9
GP3 (deep)	Probe Bent	0.1	0.2	20.0
GP4 (shallow)	Probe Bent	0.1	0.5	19.8
GP4 (deep)	Probe Bent	0.1	1.3	18.5
GP5 (shallow)	Probe Bent	0.1	8.9	12.9
GP5 (deep)	42.98	0.1	0.1	20.2
GP6 ^(b)	N/A	N/A	N/A	N/A
GP7	36.97	0.1	1.2	18.8
GP12	2.62	0.2	0.5	19.6
GP15	2.92	0.2	0.0	19.9
P7	2.94	0.2	0.1	20.0
P8	3.06	0.2	0.1	19.9
P9	2.95	0.2	0.0	19.8

Note:

(a) Monitoring well LFG21 and LFG22 are not accessible due to the landscape reparation work.

(b) Monitoring well GP6 is under maintenance.

November 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.68	0.0	0.8	17.1
LFG2	2.77	0.0	0.7	18.7
LFG3	2.95	0.0	0.0	20.0
LFG4	2.64	0.0	0.0	20.2
LFG5	3.26	0.0	0.1	18.1
LFG6	2.53	0.0	0.1	20.1
LFG7	2.94	0.0	0.0	19.9
LFG8	2.7	0.0	0.1	19.7
LFG9	2.72	0.0	0.0	19.9
LFG10	2.73	0.0	0.0	19.9
LFG11	2.75	0.0	0.0	19.9
LFG12	3.28	0.0	0.7	16.2
LFG13	2.49	13.0	0.2	5.8
LFG14	2.63	0.0	0.1	19.8
LFG15	2.61	0.0	0.1	20.2
LFG16	3.14	0.0	1.6	14.8
LFG17	3.03	0.0	1.6	9.9
LFG18	3.71	0.0	2.0	16.3

LFG19	4.08	0.0	0.1	20.2
LFG20	4.17	0.0	0.1	20.2
LFG21 ^(a)	N/A	N/A	N/A	N/A
LFG22 ^(a)	N/A	N/A	N/A	N/A
LFG23	12.7	0.0	0.0	20.4
LFG24	6.58	0.0	0.0	20.3
GP1	Probe Bent	0.3	7.9	9.6
GP2 (shallow)	Probe Bent	0.3	0.6	19.3
GP2 (deep)	Probe Bent	0.3	0.9	18.6
GP3 (shallow)	Probe Bent	0.2	0.4	19.2
GP3 (deep)	Probe Bent	0.2	0.1	19.7
GP4 (shallow)	Probe Bent	0.1	0.5	19.1
GP4 (deep)	Probe Bent	0.1	0.4	19.2
GP5 (shallow)	Probe Bent	0.1	3.8	16.8
GP5 (deep)	39.33	0.1	0.1	19.5
GP6	38.08	0.1	2.1	15.6
GP7	36.34	0.0	0.1	19.5
GP12	2.15	0.0	0.1	19.9
GP15	2.71	0.0	0.0	20.0
P7	2.71	0.0	0.0	20.0
P8	2.68	0.0	0.0	20.0
P9	2.64	0.0	0.0	20.0

Note:

(a) Monitoring well LFG21 and LFG22 are not accessible due to safety considerations.

December 2024

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.92	0.0	0.9	17.6
LFG2	2.78	0.0	0.4	19.7
LFG3	3.24	0.0	1.6	18.0
LFG4	2.44	0.0	0.1	20.3
LFG5	3.03	0.0	0.2	16.2
LFG6	2.72	0.0	0.1	20.2
LFG7	2.99	0.0	0.1	20.4
LFG8	2.74	0.0	0.1	20.4
LFG9	2.86	0.0	0.2	18.2
LFG10	2.71	0.0	0.1	20.4
LFG11	2.9	0.0	0.2	18.5
LFG12	2.63	0.0	0.1	20.4

LFG13	2.3	11.0	0.4	8.6
LFG14	2.43	0.0	0.1	20.2
LFG15	2.56	0.0	0.2	20.1
LFG16 ^(a)	N/A	0.0	0.2	20.2
LFG17	2.92	0.0	0.1	20.1
LFG18	3.48	0.0	2.0	18.4
LFG19	3.67	0.0	0.2	20.3
LFG20	4.04	0.0	0.3	20.0
LFG21 ^(b)	N/A	N/A	N/A	N/A
LFG22 ^(b)	N/A	N/A	N/A	N/A
LFG23	12.32	0.0	0.1	21.1
LFG24	6.84	0.1	0.1	20.8
GP1	Probe Bent	0.1	3.2	16.1
GP2 (shallow)	Probe Bent	0.1	0.5	20.5
GP2 (deep)	Probe Bent	0.1	1.2	18.5
GP3 (shallow)	Probe Bent	0.1	0.1	20.4
GP3 (deep)	Probe Bent	0.1	0.1	20.4
GP4 (shallow)	Probe Bent	0.1	1.1	19.2
GP4 (deep)	Probe Bent	0.1	0.8	19.8
GP5 (shallow)	Probe Bent	0.1	6.0	18.1
GP5 (deep)	39.48	0.1	0.1	20.6
GP6	37.16	0.1	0.8	18.8
GP7	36.46	0.1	1.2	19.6
GP12	2.66	0.0	0.1	20.0
GP15	2.69	0.0	0.2	20.2
P7	2.78	0.0	0.2	19.8
P8	2.71	0.0	0.2	20.1
P9	2.87	0.0	0.1	20.2

Note:

(a) The dip level of Monitoring well LFG16 could not be measured due to thick grass layer.

(b) Monitoring well LFG21 and LFG22 are not accessible due to safety considerations.

TABLE G2.2 LANDFILL GAS MONITORING RESULTS AT SERVICE VOIDS, UTILITIES PITS AND MANHOLES

January 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.1	0.0	20.3
UU02	0.1	0.0	20.2
UU03	0.0	0.1	20.2
UU04	0.0	0.0	20.3
UU05	0.0	0.0	20.4
UU06	0.0	0.0	20.5
UU07	0.0	0.0	20.4
UU08	0.0	0.0	20.4
UU09	0.0	0.0	20.4
UU10	0.0	0.0	20.3
UU11	0.0	0.0	20.4
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.4
UU14	0.0	0.0	20.4
UU15	0.0	0.0	20.4
UU16	0.0	0.0	20.4
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.4
UU19	0.0	0.0	20.4
UU20	0.0	0.0	20.4
UU21	0.0	0.0	20.4
UU22	0.0	0.0	20.3
UU23	0.0	0.0	20.4
UU24	0.0	0.0	20.3
UU25	0.0	0.0	20.4
UU26	0.0	0.0	20.4
UU27	0.0	0.0	20.4
UU28	0.0	0.0	20.4
February 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.1	20.5
UU02	0.0	0.1	20.5
UU03	0.0	0.1	20.4
UU04	0.0	0.1	20.4
UU05	0.0	0.1	20.3

UU06	0.0	0.1	20.3
UU07	0.0	0.1	20.4
UU08	0.0	0.1	20.3
UU09	0.0	0.1	20.2
UU10	0.0	0.1	20.2
UU11	0.0	0.1	20.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.1	20.1
UU14	0.0	0.1	20.1
UU15	0.0	0.1	20.3
UU16	0.0	0.1	20.2
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.1	20.3
UU19	0.0	0.1	20.1
UU20	0.0	0.1	20.1
UU21	0.0	0.1	20.1
UU22	0.0	0.1	20.1
UU23	0.0	0.1	20.2
UU24	0.0	0.1	20.2
UU25	0.0	0.1	20.2
UU26	0.0	0.1	20.1
UU27	0.0	0.0	20.4
UU28	0.0	0.1	20.3

March 2024

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.3	0.0	20.3
UU02	0.3	0.0	20.2
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.2	0.0	20.5
UU05	0.2	0.0	20.7
UU06	0.2	0.0	20.7
UU07	0.2	0.0	20.5
UU08	0.2	0.0	20.7
UU09	0.1	0.0	20.2
UU10	0.1	0.0	20.2
UU11	0.1	0.0	20.3
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.1	0.0	20.3

UU14	0.1	0.0	20.2
UU15	0.1	0.0	20.2
UU16	0.1	0.0	20.2
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	0.2	0.0	20.2
UU20	0.1	0.0	20.2
UU21	0.1	0.0	20.1
UU22	0.1	0.0	20.1
UU23	0.1	0.0	20.1
UU24	0.1	0.0	20.2
UU25	0.1	0.0	20.2
UU26	0.1	0.0	20.2
UU27	0.4	0.0	21.0
UU28	0.4	0.0	21.0
April 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.1	0.1	18.5
UU02	0.1	0.1	19.2
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.1	0.1	19.6
UU05	0.1	0.1	19.8
UU06	0.1	0.0	19.9
UU07	0.1	0.1	19.6
UU08	0.1	0.0	19.6
UU09	0.1	0.0	19.7
UU10	0.1	0.0	19.6
UU11	0.1	0.0	19.4
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.1	0.0	19.9
UU14	0.1	0.0	19.9
UU15	0.1	0.0	20.1
UU16	0.1	0.0	19.9
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	0.1	0.0	20.0
UU20	0.1	0.0	20.0
UU21	0.1	0.0	20.0

UU22	0.1	0.0	19.9
UU23	0.1	0.0	20.0
UU24	0.1	0.0	20.0
UU25	0.1	0.0	19.0
UU26	0.1	0.0	20.1
UU27	0.1	0.0	20.0
UU28	0.1	0.0	20.0
May 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.1	20.3
UU02	0.0	0.1	20.1
UU03	0.0	0.1	19.7
UU04	0.0	0.1	19.6
UU05	0.0	0.1	18.1
UU06	0.0	0.1	18.0
UU07	0.0	0.1	19.5
UU08	0.0	0.1	17.8
UU09	0.0	0.1	17.7
UU10	0.0	0.1	17.7
UU11	0.0	0.1	17.8
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.1	17.8
UU14	0.0	0.1	17.8
UU15	0.0	0.1	17.8
UU16	0.0	0.1	18.1
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.0	0.1	18.2
UU21	0.0	0.0	18.2
UU22	0.0	0.0	18.4
UU23	0.0	0.0	18.4
UU24	0.0	0.0	18.4
UU25	0.0	0.0	18.4
UU26	0.0	0.0	18.6
UU27	0.0	0.0	18.7
UU28	0.0	0.0	18.7

June 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.1	20.0
UU02	0.0	0.1	20.0
UU03	Voided due to latest site programme and on-going operation work		
UU04	Voided due to latest site programme and on-going operation work		
UU05	Voided due to latest site programme and on-going operation work		
UU06	0.0	0.1	20.4
UU07	0.0	0.1	20.3
UU08	0.0	0.1	20.5
UU09	0.0	0.1	20.3
UU10	0.0	0.1	20.1
UU11	0.0	0.1	20.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.1	20.5
UU14	0.0	0.1	20.1
UU15	0.0	0.1	20.1
UU16	0.0	0.1	20.5
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.0	0.1	20.5
UU21	0.0	0.1	20.5
UU22	0.0	0.1	20.5
UU23	0.0	0.1	20.5
UU24	0.0	0.1	20.5
UU25	0.0	0.1	20.5
UU26	0.0	0.1	20.5
UU27	0.0	0.1	20.5
UU28	0.0	0.1	20.5
July 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.1	0.0	19.3
UU02	0.1	0.0	19.6
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.0	0.0	19.7
UU05	0.0	0.0	19.9
UU06	0.0	0.0	19.9

UU07	0.0	0.0	19.8
UU08	0.0	0.0	19.9
UU09	0.0	0.0	19.8
UU10	0.0	0.0	19.9
UU11	0.0	0.0	19.8
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.9
UU14	0.0	0.0	19.9
UU15	0.0	0.0	19.9
UU16	0.0	0.0	19.9
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.0	0.0	19.9
UU21	0.0	0.0	19.8
UU22	0.0	0.0	19.8
UU23	0.0	0.0	19.9
UU24	0.0	0.0	19.9
UU25	0.0	0.0	19.9
UU26	0.0	0.0	19.8
UU27	0.0	0.1	19.9
UU28	0.0	0.1	20.1
August 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.8
UU02	0.0	0.0	19.8
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.0	0.0	19.7
UU05	0.0	0.0	19.7
UU06	0.0	0.0	19.7
UU07	0.0	0.0	19.7
UU08	0.0	0.0	19.6
UU09	0.1	0.0	19.7
UU10	0.1	0.0	19.7
UU11	0.1	0.0	19.7
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.1	0.1	19.7
UU14	0.1	0.1	19.8

UU15	0.1	0.0	19.7
UU16	0.1	0.0	19.6
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.1	0.0	19.5
UU21	0.1	0.0	19.4
UU22	0.1	0.0	19.4
UU23	0.1	0.0	19.3
UU24	0.1	0.0	19.2
UU25	0.0	0.0	19.2
UU26	0.0	0.0	19.1
UU27	0.0	0.0	19.0
UU28	0.0	0.0	18.9
September 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.4
UU02	0.0	0.0	19.9
UU03	Voided due to latest site programme and on-going operation work		
UU04	Voided due to latest site programme and on-going operation work		
UU05	0.0	0.0	19.7
UU06	Not accessible due to the safety consideration		
UU07	0.0	0.1	19.3
UU08	0.0	0.1	18
UU09	0.0	0.0	19.6
UU10	0.0	0.0	19.5
UU11	0.0	0.0	19.6
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.6
UU14	0.0	0.0	19.6
UU15	0.0	0.0	19.6
UU16	0.0	0.0	19.7
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.0	0.0	19.7
UU21	0.0	0.0	19.7
UU22	0.0	0.0	19.7

UU23	0.0	0.0	19.7
UU24	0.0	0.0	19.7
UU25	0.0	0.0	19.7
UU26	0.0	0.0	19.7
UU27	0.0	0.0	19.7
UU28	0.0	0.0	19.8
October 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.2	0.0	19.9
UU02	0.1	0.1	19.6
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.1	0.0	19.9
UU05	0.1	0.0	19.9
UU06	0.1	0.0	20.0
UU07	0.1	0.0	20.0
UU08	0.1	0.0	20.0
UU09	0.1	0.0	20.0
UU10	0.1	0.0	19.9
UU11	0.1	0.0	20.0
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.1	0.0	20.0
UU14	0.1	0.0	19.9
UU15	0.1	0.0	20.0
UU16	0.1	0.0	20.0
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.1	0.0	20.0
UU21	0.1	0.0	19.9
UU22	0.1	0.0	19.9
UU23	0.1	0.0	19.9
UU24	0.1	0.0	19.9
UU25	0.1	0.0	20.0
UU26	0.1	0.0	20.0
UU27	0.1	0.0	20.0
UU28	0.1	0.0	20.1

November 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.2
UU02	0.0	0.0	20.0
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.0	0.0	20.1
UU05	0.0	0.0	20.4
UU06	0.0	0.0	20.4
UU07	0.0	0.0	20.2
UU08	0.0	0.0	20.4
UU09	0.0	0.0	20.3
UU10	0.0	0.0	20.4
UU11	0.0	0.0	20.3
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.3
UU14	0.0	0.0	20.3
UU15	0.0	0.0	20.3
UU16	0.0	0.0	20.3
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.0	0.0	20.3
UU21	0.0	0.0	20.3
UU22	0.0	0.0	20.2
UU23	0.0	0.0	20.2
UU24	0.0	0.0	20.2
UU25	0.0	0.0	20.2
UU26	0.0	0.0	20.2
UU27	0.0	0.0	20.2
UU28	0.0	0.0	20.4
December 2024			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.1	20.2
UU02	0.0	0.1	20.1
UU03	Voided due to latest site programme and on-going operation work		
UU04	0.0	0.1	20.1
UU05	0.0	0.1	20.4
UU06	0.0	0.1	20.4

UU07	0.0	0.1	20.4
UU08	0.0	0.1	20.4
UU09	0.0	0.1	21.1
UU10	0.0	0.1	21.1
UU11	0.0	0.1	21.1
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.1	21.1
UU14	0.0	0.1	21.1
UU15	0.1	0.1	20.9
UU16	0.0	0.1	20.9
UU17	Voided due to latest site programme and on-going operation work		
UU18	Voided due to latest site programme and on-going operation work		
UU19	Voided due to latest site programme and on-going operation work		
UU20	0.0	0.1	20.8
UU21	0.0	0.1	20.8
UU22	0.0	0.1	20.8
UU23	0.0	0.1	20.8
UU24	0.0	0.1	20.8
UU25	0.0	0.1	20.8
UU26	0.0	0.1	20.8
UU27	0.0	0.1	20.8
UU28	0.0	0.1	20.9

TABLE G2.3 LANDFILL GAS BULK GAS SAMPLING MONITORING RESULTS

February 2024		
Parameters	LFG2	LFG8
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	0.291	0.057
Oxygen (% (v/v))	19.5	20.1
Nitrogen (% (v/v))	78.3	78.2
Carbon Monoxide (% (v/v))	<0.020	<0.020
Hydrogen (% (v/v))	<0.020	<0.020
Ethane (ppmv)	<1.0	<1.0
Propane (ppmv)	<1.0	<1.0
Butane (ppmv)	<1.0	<1.0
May 2024		
Parameters	LFG2	LFG8
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	0.624	0.089
Oxygen (% (v/v))	17.2	20.4
Nitrogen (% (v/v))	79.5	76.9
Carbon Monoxide (% (v/v))	<0.020	<0.020
Hydrogen (% (v/v))	<0.020	<0.020
Ethane (ppmv)	<1.0	<1.0
Propane (ppmv)	<1.0	<1.0
Butane (ppmv)	<1.0	<1.0
August 2024		
Parameters	LFG2	LFG8
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	1.14	0.16
Oxygen (% (v/v))	19.2	20.1
Nitrogen (% (v/v))	79.5	76.9
Carbon Monoxide (% (v/v))	<0.020	<0.020
Hydrogen (% (v/v))	<0.020	<0.020
Ethane (ppmv)	<1.0	<1.0
Propane (ppmv)	<1.0	<1.0
Butane (ppmv)	<1.0	<1.0
November 2024		
Parameters	LFG4	LFG6
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	0.063	0.128
Oxygen (% (v/v))	20.5	20.3
Nitrogen (% (v/v))	76.4	76.5
Carbon Monoxide (% (v/v))	<0.020	<0.020

Hydrogen (% (v/v))	<0.020	<0.020
Ethane (ppmv)	<1.0	<1.0
Propane (ppmv)	<1.0	<1.0
Butane (ppmv)	<1.0	<1.0

TABLE G2.4 FLAMMABLE GAS SURFACE EMISSION MONITORING RESULTS

February 2024							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
15:17	22°16'43"	114°16'43"	Cloudy	23.5	83	1.5	27
15:21	22°16'32"	114°16'36"	Cloudy	24.1	14	0.1	13
15:25	22°16'26"	114°16'34"	Cloudy	24.2	8	2.0	25
15:50	22°16'30"	114°16'27"	Cloudy	25.0	196	0.5	15
May 2024							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
15:18	22°16'34"	114°16'38"	Sunny	28.8	095	1.5	13
15:43	22°16'24"	114°16'26"	Sunny	28.2	220	3.3	16
15:55	22°16'31"	114°16'27"	Sunny	28.4	192	4.0	11
August 2024							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
13:47	22°16'34"	114°16'27"	Sunny	31.9	139	1.6	23
14:04	22°16'32"	114°16'44"	Sunny	33.2	122	0.6	28
14:08	22°16'32"	114°16'42"	Sunny	33.0	101	0.8	23
14:10	22°16'33"	114°16'41"	Sunny	32.9	124	2.5	21
14:15	22°16'34"	114°16'37"	Sunny	32.8	297	0.5	16
14:18	22°16'30"	114°16'36"	Sunny	32.2	233	2.6	7
14:23	22°16'26"	114°16'35"	Sunny	32.7	168	1.9	7
14:32	22°16'26"	114°16'26"	Sunny	32.2	173	1.9	7
14:36	22°16'21"	114°16'26"	Sunny	31.2	138	2.0	8
14:54	22°16'17"	114°16'37"	Sunny	31.9	245	1.2	13
15:07	22°16'16"	114°16'30"	Sunny	31.3	072	1.9	25
November 2024							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
11:32	22°16'32"	114°16'44"	Cloudy	24.7	253	1.6	18
11:36	22°16'33"	114°16'41"	Cloudy	24.7	302	0.9	12
11:39	22°16'33"	114°16'37"	Cloudy	24.1	070	3.4	13
11:43	22°16'28"	114°16'35"	Cloudy	24.7	042	2.5	7
11:49	22°16'21"	114°16'37"	Cloudy	24.5	357	2.4	8
11:59	22°16'17"	114°16'33"	Cloudy	25.2	323	1.5	10