



ANNEX G2

LANDFILL GAS MONITORING RESULTS

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

January 2023				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.50	0.0	0.3	18.1
LFG2	2.25	0.0	0.3	19.9
LFG3	2.44	0.0	0.9	19.4
LFG4	2.50	0.0	0.1	20.5
LFG5	2.48	0.0	0.0	20.7
LFG6	2.32	0.0	0.1	20.6
LFG7	2.31	0.0	0.0	18.9
LFG8	2.40	0.0	0.0	21.0
LFG9	2.29	0.0	0.1	12.8
LFG10	2.21	0.0	0.1	15.9
LFG11	2.14	0.0	0.2	13.9
LFG12	2.16	0.0	0.0	20.9
LFG13	2.05	16.5	0.0	6.6
LFG14	1.94	0.0	0.0	17.8
LFG15	2.14	0.0	0.0	20.9
LFG16	2.20	0.0	0.1	20.9
LFG17	2.36	0.0	0.6	15.5
LFG18	2.03	0.0	0.2	20.4
LFG19	2.33	0.0	0.1	8.8
LFG20	2.16	0.0	0.2	20.6
LFG21	2.33	0.1	2.6	11.0
LFG22	2.28	0.1	0.6	18.6
LFG23	12.23	0.1	1.8	17.1
LFG24	5.99	0.1	0.5	20.4
GP1	Probe bent	0.3	5.6	13.5
GP2 (shallow)	Probe bent	0.2	1.7	16.6
GP2 (deep)	Probe bent	0.2	6.3	13.9
GP3 (shallow)	Probe bent	0.2	0.1	21.0
GP3 (deep)	Probe bent	0.2	0.2	20.8
GP4 (shallow)	Probe bent	0.1	0.1	20.9
GP4 (deep)	Probe bent	0.1	0.1	20.9
GP5 (shallow)	Probe bent	0.1	4.5	8.5
GP5 (deep)	38.47	0.1	0.1	21.0
GP6	36.90	0.1	5.2	15.3
GP7	36.19	0.1	0.1	21.0

GP12	1.23	0.0	0.0	21.0
GP15	2.69	0.0	0.1	20.9
P7	2.54	0.0	0.0	21.0
P8	2.57	0.0	0.0	21.0
P9	2.42	0.0	0.1	20.9

February 2023

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.45	0.1	0.3	17.9
LFG2	2.31	0.1	0.4	18.6
LFG3	2.48	0.2	0.1	20.2
LFG4	2.37	0.2	0.1	19.2
LFG5	2.63	0.2	0.2	10.2
LFG6	2.31	0.3	0.1	19.6
LFG7	2.56	0.0	0.0	20.3
LFG8	2.42	0.0	0.1	20.2
LFG9	2.30	0.0	0.9	6.0
LFG10	1.90	0.0	0.1	20.4
LFG11	1.45	0.0	0.2	8.7
LFG12	2.05	0.0	0.0	20.3
LFG13	2.01	18.5	0.4	1.4
LFG14	1.71	0.0	0.1	20.6
LFG15	2.01	0.0	0.1	20.2
LFG16	2.09	0.0	0.1	17.6
LFG17	2.28	0.0	0.3	20.2
LFG18	2.30	0.0	0.7	18.7
LFG19	2.32	0.0	0.1	20.9
LFG20	2.28	0.0	0.3	20.2
LFG21	2.34	0.0	0.1	20.6
LFG22	2.38	0.0	0.2	20.1
LFG23	12.51	0.0	2.6	16.9
LFG24	5.97	0.0	0.3	20.2
GP1	Probe bent	0.0	5.2	14.3
GP2 (shallow)	Probe bent	0.0	3.0	12.5
GP2 (deep)	Probe bent	0.0	7.0	11.7
GP3 (shallow)	Probe bent	0.0	0.0	20.7
GP3 (deep)	Probe bent	0.0	0.0	20.8
GP4 (shallow)	Probe bent	0.0	0.1	20.6
GP4 (deep)	Probe bent	0.0	0.3	20.0

GP5 (shallow)	Probe bent	0.0	4.2	6.7
GP5 (deep)	38.33	0.0	0.1	20.6
GP6	36.39	0.0	5.5	14.6
GP7	35.91	0.0	0.0	20.9
GP12	1.91	0.1	0.0	20.2
GP15	2.41	0.0	0.0	20.3
P7	2.30	0.0	0.1	20.2
P8	2.50	0.0	0.2	20.0
P9	2.18	0.0	0.1	20.3

March 2023

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.88	0.1	0.2	18.1
LFG2	4.13	0.1	0.1	18.8
LFG3	3.76	0.1	0.1	20.2
LFG4	4.01	0.1	0.1	20.0
LFG5	3.63	0.1	0.3	8.0
LFG6	4.11	0.2	0.2	19.4
LFG7	3.83	0.0	0.0	19.8
LFG8	3.85	0.0	0.0	19.9
LFG9	3.82	0.0	0.0	20.0
LFG10	3.97	0.0	0.0	19.8
LFG11	3.98	0.0	0.0	5.2
LFG12	3.88	0.0	0.0	19.7
LFG13	3.97	21.4	0.0	1.0
LFG14	5.24	0.0	0.0	19.9
LFG15	5.40	0.0	0.6	12.6
LFG16	5.08	0.0	0.1	19.5
LFG17	4.95	0.0	0.0	20.2
LFG18	5.36	0.0	0.1	19.5
LFG19	5.26	0.0	0.0	20.2
LFG20	5.54	0.0	0.8	18.3
LFG21	7.13	0.0	1.8	14.2
LFG22	7.84	0.0	0.0	20.2
LFG23	14.65	0.0	1.0	18.5
LFG24	26.35	0.0	0.3	19.8
GP1	Probe bent	0.0	5.5	14.6
GP2 (shallow)	Probe bent	0.0	1.4	16.4
GP2 (shallow)	Probe bent	0.0	6.3	16.3

GP2 (deep)	Probe bent	0.0	0.0	20.1
GP3 (shallow)	Probe bent	0.0	0.5	19.2
GP3 (deep)	Probe bent	0.0	0.1	20.1
GP4 (shallow)	Probe bent	0.0	0.3	19.7
GP4 (deep)	Probe bent	0.0	3.2	9.9
GP5 (shallow)	14.14	0.0	0.1	20.0
GP5 (deep)	11.69	0.0	4.6	15.4
GP6	3.02	0.0	0.0	20.3
GP7	2.64	0.1	0.0	20.1
GP12	3.94	0.1	0.0	19.8
GP15	3.60	0.1	0.0	19.9
P7	3.11	0.1	0.0	19.9
P8	2.23	0.0	0.0	19.9
P9	3.88	0.1	0.2	18.1

April 2023

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.56	0.0	0.4	16.8
LFG2	2.69	0.0	0.6	17.2
LFG3	2.61	0.0	2.8	15.4
LFG4	2.45	0.0	0.1	19.5
LFG5	3.07	0.0	0.3	8.4
LFG6	2.73	0.0	0.1	19.5
LFG7	2.64	0.0	0.0	19.2
LFG8	2.27	0.0	0.0	19.8
LFG9	2.30	0.0	0.0	9.8
LFG10	1.98	0.0	0.2	10.3
LFG11	2.22	0.0	0.2	5.0
LFG12	1.97	0.0	0.0	19.4
LFG13	2.17	25.8	0.0	2.1
LFG14	2.53	0.0	0.1	9.0
LFG15	1.93	0.1	0.9	11.9
LFG16	2.51	0.0	0.1	20.1
LFG17	2.54	1.3	1.5	2.5
LFG18	2.47	0.0	0.2	19.3
LFG19	2.17	0.0	0.2	5.8
LFG20	3.03	0.0	0.7	17.3
LFG21	2.26	0.0	1.3	15.2
LFG22	2.77	0.0	1.3	10.4

LFG23	12.53	0.0	0.4	19.5
LFG24	5.81	0.0	0.0	20.3
GP1	Probe bent	0.0	4.3	15.2
GP2 (shallow)	Probe bent	0.0	1.3	10.4
GP2 (deep)	Probe bent	0.0	4.9	19.5
GP3 (shallow)	Probe bent	0.0	0.0	20.4
GP3 (deep)	Probe bent	0.0	0.0	20.4
GP4 (shallow)	Probe bent	0.0	0.0	20.3
GP4 (deep)	Probe bent	0.0	0.1	20.2
GP5 (shallow)	Probe bent	0.0	0.8	18.8
GP5 (deep)	37.99	0.0	0.1	20.2
GP6	36.07	0.0	5.6	13.6
GP7	35.84	0.0	0.2	19.8
GP12	2.25	0.0	0.2	19.7
GP15	2.59	0.0	0.0	20.2
P7	2.47	0.0	0.1	20.1
P8	2.45	0.0	0.0	20.2
P9	2.64	0.0	0.3	19.6

May 2023

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.51	0.0	0.7	15.6
LFG2	2.80	0.0	0.8	18.0
LFG3	2.61	0.0	3.2	15.1
LFG4	2.50	0.0	0.0	16.9
LFG5	2.66	0.0	0.9	15.3
LFG6	2.25	0.0	0.1	20.1
LFG7	2.98	0.0	0.0	18.0
LFG8	2.71	0.0	0.1	20.4
LFG9	4.20	0.0	0.3	10.2
LFG10	2.12	0.0	0.2	7.6
LFG11	3.00	0.0	0.2	4.6
LFG12	2.36	0.0	0.0	20.3
LFG13	2.28	0.4	0.0	19.7
LFG14	4.18	0.0	0.1	17.4
LFG15	2.38	0.0	0.6	15.6
LFG16	2.94	0.0	0.2	20.3
LFG17	4.45	0.0	0.1	19.7
LFG18	2.28	0.0	0.1	20.4

LFG19	3.00	0.0	0.0	6.9
LFG20	3.40	0.0	0.0	18.1
LFG21	5.38	0.0	0.9	11.7
LFG22	4.53	0.0	1.2	11.5
LFG23	12.49	0.0	0.1	20.0
LFG24	5.76	0.0	0.0	20.0
GP1	Probe bent	0.0	7.5	0.6
GP2 (shallow)	Probe bent	0.0	1.2	16.9
GP2 (deep)	Probe bent	0.0	0.4	19.1
GP3 (shallow)	Probe bent	0.0	0.1	19.7
GP3 (deep)	Probe bent	0.0	0.0	19.7
GP4 (shallow)	Probe bent	0.0	0.5	19.5
GP4 (deep)	Probe bent	0.0	0.2	19.4
GP5 (shallow)	Probe bent	0.0	0.2	19.3
GP5 (deep)	37.55	0.0	0.2	19.5
GP7	31.15	0.0	4.8	14.5
GP12	36.06	0.0	0.2	19.5
GP15	2.15	0.0	0.1	20.8
P7	1.81	0.0	0.1	20.9
P8	2.34	0.0	0.1	20.1
P9	2.76	0.0	0.1	20.3

June 2023

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.83	0.0	1.2	16.8
LFG2	2.56	0.0	1.5	18.9
LFG3	3.70	0.0	3.8	13.7
LFG4	2.46	0.0	0.0	19.7
LFG5	2.55	0.0	0.3	7.9
LFG6	2.50	0.0	0.0	20.0
LFG7	2.42	0.0	0.0	17.7
LFG8	2.54	0.0	0.0	20.0
LFG9	2.15	0.0	0.3	8.8
LFG10	2.44	0.0	0.1	13.3
LFG11	2.31	0.0	0.3	3.7
LFG12	2.43	0.0	0.0	20.1
LFG13	2.25	0.5	0.1	6.4
LFG14	1.97	0.0	0.3	8.4
LFG15	2.41	0.6	0.5	13.8

LFG16	3.90	0.0	0.0	20.3
LFG17	2.41	2.6	1.1	0.2
LFG18	3.66	0.0	0.0	20.3
LFG19	2.41	0.0	0.1	19.8
LFG20	2.64	0.0	4.5	5.8
LFG21	2.41	0.0	2.2	9.8
LFG22	3.40	0.0	0.0	20.2
LFG23	12.93	0.0	0.0	20.1
LFG24	7.54	0.0	8.4	19.0
GP1	Probe bent	0.0	0.1	20.3
GP2 (shallow)	Probe bent	0.0	0.2	19.7
GP2 (deep)	Probe bent	0.0	0.3	19.9
GP3 (shallow)	Probe bent	0.0	1.0	18.9
GP3 (deep)	Probe bent	0.0	0.0	20.2
GP4 (shallow)	Probe bent	0.0	0.1	20.1
GP4 (deep)	Probe bent	0.0	0.1	20.0
GP5 (shallow)	Probe bent	0.0	0.4	19.3
GP5 (deep)	38.00	0.0	0.0	20.0
GP6	36.00	0.0	4.3	14.8
GP7	34.95	0.0	0.1	19.7
GP12	1.91	0.0	0.1	19.9
GP15	2.65	0.0	0.0	20.1
P7	3.16	0.0	0.1	20.1
P8	2.50	0.0	0.4	19.6
P9	2.18	0.0	0.1	20.0
July 2023				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.8	0.2	1.8	16.8
LFG2	2.86	0.2	1.7	17.4
LFG3	3.22	0.1	0.0	19.2
LFG4	3.12	0.1	0.0	18.9
LFG5	4.23	0.1	0.2	7.5
LFG6	3.02	0.1	0.1	19.2
LFG7	3.7	0.1	0.0	14.5
LFG8	3.41	0.0	0.0	19.1
LFG9	3.35	0.0	0.1	16.5
LFG10	3.08	0.0	0.0	19.2
LFG11	3.2	0.0	0.3	8.3

LFG12	3.42	0.0	0.0	19.3
LFG13	3.14	0.5	0.0	18.8
LFG14	3.58	0.0	0.0	19.6
LFG15	2.48	0.0	0.0	19.5
LFG16	3.73	0.0	0.0	19.3
LFG17	3.22	0.0	0.0	19.4
LFG18	4.15	0.0	0.0	19.4
LFG19	5.02	0.0	0.1	19.1
LFG20	4.59	0.0	0.1	19.2
LFG21	4.25	0.0	0.7	18.2
LFG22	0.31	0.0	0.0	19.0
LFG23	13.8	0.0	0.0	19.2
LFG24	7.02	0.0	0.1	19.2
GP1	Probe Bent	0.1	8.0	4.9
GP2 (shallow)	Probe Bent	0.1	0.2	19.8
GP2 (deep)	Probe Bent	0.1	8.2	8.4
GP3 (shallow)	Probe Bent	0.1	1.6	17.6
GP3 (deep)	Probe Bent	0.1	0.6	19.1
GP4 (shallow)	Probe Bent	0.1	0.4	19.3
GP4 (deep)	Probe Bent	0.1	0.2	19.3
GP5 (shallow)	Probe Bent	0.1	0.9	19.2
GP5 (deep)	39.77	0.1	0.1	19.3
GP6	38.83	0.0	1.7	19.0
GP7	37.55	0.0	0.0	19.3
GP12	1.22	0.2	0.1	19.2
GP15	3.12	0.2	0.1	19.2
P7	2.81	0.2	0.0	20.0
P8	2.90	0.2	0.1	20.2
P9	2.61	0.2	0.1	20.4
August 2023				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.29	0.0	1.5	16.8
LFG2	1.93	0.0	2.2	16.3
LFG3	3.03	0.0	0.0	18.9
LFG4	2.65	0.0	0.0	18.8
LFG5	3.08	0.0	0.0	18.5
LFG6	3.12	0.0	0.1	18.2
LFG7	4.56	0.0	0.0	18.7

LFG8	2.85	0.0	0.0	20.1
LFG9	3.14	0.0	0.0	19.1
LFG10	3.72	0.0	0.0	15.6
LFG11	3.1	0.0	0.2	6.5
LFG12	2.78	0.0	0.0	20.0
LFG13	2.63	16.0	0.1	5.0
LFG14	3.11	0.0	0.0	18.0
LFG15	2.66	0.0	0.2	16.6
LFG16	4.16	0.0	0.0	19.9
LFG17	2.92	0.0	0.4	4.5
LFG18	4.23	0.0	0.0	19.8
LFG19	3.48	0.0	0.1	19.4
LFG20	3.16	0.0	3.2	13.0
LFG21	3.26	0.0	0.5	18.2
LFG22	2.86	0.0	0.1	18.8
LFG23	12.9	0.0	0.0	19.4
LFG24	6.35	0.0	0.0	19.4
GP1	Probe Bent	0.3	10.6	6.3
GP2 (shallow)	Probe Bent	0.2	0.8	18.8
GP2 (deep)	Probe Bent	0.2	0.3	18.8
GP3 (shallow)	Probe Bent	0.1	3.5	14.5
GP3 (deep)	Probe Bent	0.1	0.0	19.1
GP4 (shallow)	Probe Bent	0.1	0.4	18.1
GP4 (deep)	Probe Bent	0.1	0.2	18.9
GP5 (shallow)	Probe Bent	0.0	6.3	11.2
GP5 (deep)	39.33	0.0	0.6	18.6
GP6	38.56	0.0	2.7	16.0
GP7	36.86	0.0	0.0	19.1
GP12	2.45	0.0	0.0	18.1
GP15	3.08	0.0	0.1	19.7
P7	3.22	0.0	0.1	19.3
P8	2.81	0.0	0.1	19.5
P9	2.74	0.0	0.1	20.0
September 2023				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.89	0.1	1.1	14.9
LFG2	3.85	0.1	1.5	16.4
LFG3	3.35	0.0	0.0	19.6

LFG4	3.31	0.0	0.0	19.3
LFG5	2.79	0.0	0.0	19.4
LFG6	3.08	0.0	0.3	17.9
LFG7	3.68	0.0	0.0	19.1
LFG8	3.46	0.0	0.0	18.1
LFG9	2.94	0.0	0.0	18.2
LFG10	2.99	0.0	0.0	18.9
LFG11	2.91	0.0	0.0	18.8
LFG12	3.07	0.1	0.0	18.9
LFG13	2.63	1.0	0.0	18.1
LFG14	3.16	0.1	0.0	18.1
LFG15	2.49	0.0	0.0	18.2
LFG16	3.52	0.1	0.0	19.8
LFG17	2.92	0.1	0.0	19.8
LFG18	4.14	0.1	0.0	19.9
LFG19	4.21	0.1	0.0	19.5
LFG20	5.12	0.2	0.1	19.2
LFG21	4.26	0.2	0.2	18.7
LFG22	4.16	0.2	0.2	18.3
LFG23	12.91	0.1	0.0	20.1
LFG24	6.75	0.1	0.0	20.2
GP1	No safe access due to tree falling blocked the road access			
GP2 (shallow)	No safe access due to tree falling blocked the road access			
GP2 (deep)	No safe access due to tree falling blocked the road access			
GP3 (shallow)	No safe access due to tree falling blocked the road access			
GP3 (deep)	No safe access due to tree falling blocked the road access			
GP4 (shallow)	No safe access due to tree falling blocked the road access			
GP4 (deep)	No safe access due to tree falling blocked the road access			
GP5 (shallow)	No safe access due to tree falling blocked the road access			
GP5 (deep)	No safe access due to tree falling blocked the road access			
GP6	No safe access due to tree falling blocked the road access			
GP7	No safe access due to tree falling blocked the road access			
GP12	2.45	0.1	0.3	18.1
GP15	No safe access due to tree falling blocked the road access			
P7	2.98	0.0	0.1	19.9
P8	No safe access due to tree falling blocked the road access			
P9	No safe access due to tree falling blocked the road access			

October 2023				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.4	0.1	1.6	16.1
LFG2	3.35	0.1	2.2	16.3
LFG3	3.2	0.1	0.0	19.4
LFG4	3.04	0.0	0.1	18.6
LFG5	2.84	0.0	0.1	13.7
LFG6	3.48	0.0	0.0	19.5
LFG7	2.84	0.0	0.0	18.9
LFG8	3.11	0.0	0.0	18.6
LFG9	3.31	0.0	0.0	19.4
LFG10	2.97	0.0	0.0	19.4
LFG11	2.44	0.0	0.0	16.5
LFG12	2.94	0.0	0.0	19.5
LFG13	3.2	0.0	0.0	19.7
LFG14	4.74	0.0	0.0	16.9
LFG15	4.34	0.0	0.0	19.6
LFG16	3.59	0.0	0.0	19.7
LFG17	3.94	0.0	0.0	19.6
LFG18	3.42	0.0	0.0	18.7
LFG19	3.41	0.0	0.1	18.5
LFG20	2.46	0.0	0.1	18.4
LFG21	4.92	0.0	0.3	18.6
LFG22	6.05	0.0	0.0	19.7
LFG23	14.4	0.0	0.0	19.7
LFG24	25.5	0.0	0.0	19.7
GP1	Probe Bent	0.0	6.8	9.7
GP2 (shallow)	Probe Bent	0.0	0.9	18.9
GP2 (deep)	Probe Bent	0.0	0.0	20.0
GP3 (shallow)	Probe Bent	0.0	0.2	19.7
GP3 (deep)	Probe Bent	0.0	0.1	19.8
GP4 (shallow)	Probe Bent	0.0	1.3	18.0
GP4 (deep)	Probe Bent	0.0	0.4	19.4
GP5 (shallow)	Probe Bent	0.0	1.7	10.7
GP5 (deep)	10.03	0.0	0.1	19.7
GP6	8.33	0.0	4.4	14.8
GP7	2.06	0.0	0.1	19.6
GP12	2.06	0.1	0.0	19.6

GP15	3.3	0.1	0.0	20.3
P7	2.75	0.1	0.1	19.7
P8	2.68	0.1	0.0	20.7
P9	2.45	0.2	0.0	18.4
November 2023				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.88	0.2	0.8	18.5
LFG2	2.69	0.2	0.9	18.9
LFG3	3.71	0.1	1.4	17.9
LFG4	3.25	0.0	0.1	19.2
LFG5	3.93	0.0	0.1	15.0
LFG6	3.74	0.0	0.1	19.4
LFG7	3.1	0.0	0.0	19.9
LFG8	2.98	0.0	0.0	19.9
LFG9	3.16	0.0	0.0	19.9
LFG10	2.89	0.0	0.0	19.7
LFG11	3.16	0.0	0.0	11.4
LFG12	2.82	0.0	0.0	19.7
LFG13	2.58	0.0	0.0	19.7
LFG14	2.64	0.0	0.0	19.7
LFG15	2.59	0.0	0.0	19.5
LFG16	3.14	0.0	0.1	19.5
LFG17	3.27	0.0	0.1	19.5
LFG18	3.91	0.0	0.2	19.4
LFG19	4.05	0.0	0.1	19.4
LFG20	3.95	0.1	1.1	17.5
LFG21	3.87	0.1	0.1	19.8
LFG22	3.52	0.2	0.1	19.9
LFG23	12.95	0.0	0.0	20.2
LFG24	6.52	0.0	0.0	20.1
GP1	Probe Bent	0.0	7.2	8.3
GP2 (shallow)	Probe Bent	0.0	0.8	18.7
GP2 (deep)	Probe Bent	0.0	5.2	14.7
GP3 (shallow)	Probe Bent	0.0	0.9	19.2
GP3 (deep)	Probe Bent	0.0	0.1	20.1
GP4 (shallow)	Probe Bent	0.0	0.5	19.6
GP4 (deep)	Probe Bent	0.0	0.2	20.2
GP5 (shallow)	Probe Bent	0.0	9.9	12.4

GP5 (deep)	40.2	0.0	0.0	20.0
GP6	38.43	0.0	1.2	18.1
GP7	36.65	0.0	0.6	19.4
GP12	2.77	0.1	0.0	18.9
GP15	2.76	0.0	0.1	20.0
P7	2.81	0.1	0.0	14.9
P8	2.82	0.0	0.1	20.1
P9	2.98	0.1	0.0	20.0

December 2023

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.96	0.2	0.2	20.2
LFG2	2.51	0.2	0.5	20.2
LFG3	2.77	0.0	1.4	20.0
LFG4	2.81	0.0	0.0	19.4
LFG5	4.01	0.0	0.0	17.5
LFG6	3.4	0.0	0.1	19.1
LFG7	2.71	0.0	0.0	19.4
LFG8	2.64	0.0	0.1	19.5
LFG9	2.56	0.0	0.2	17.1
LFG10	2.57	0.0	0.0	16.8
LFG11	2.41	0.0	0.1	10.3
LFG12	2.48	0.0	0.0	20.1
LFG13	2.34	15.9	0.3	5.9
LFG14	2.01	0.0	0.0	19.8
LFG15	2.16	0.0	0.0	19.8
LFG16	2.91	0.0	0.0	19.9
LFG17	3.05	0.0	0.0	19.9
LFG18	3.69	0.0	1.1	17.3
LFG19	4.36	0.0	0.3	19.1
LFG20	3.64	0.0	0.0	19.9
LFG21	3.79	0.0	0.0	19.9
LFG22	3.64	0.0	0.0	19.9
LFG23	12.76	0.0	0.0	19.8
LFG24	6.54	0.0	0.0	19.8
GP1	Probe Bent	0.0	0.1	20.1
GP2 (shallow)	Probe Bent	0.0	0.8	18.8
GP2 (deep)	Probe Bent	0.0	0.1	20.1
GP3 (shallow)	Probe Bent	0.0	0.1	20.1

GP3 (deep)	Probe Bent	0.0	0.2	19.9
GP4 (shallow)	Probe Bent	0.0	0.5	19.6
GP4 (deep)	Probe Bent	0.0	0.2	19.8
GP5 (shallow)	Probe Bent	0.0	0.1	19.8
GP5 (deep)	39.15	0.0	0.1	19.8
GP6	37.67	0.0	0.1	19.7
GP7	36.70	0.0	0.1	19.7
GP12	2.43	0.2	0.0	20.7
GP15	3.53	0.1	0.0	20.1
P7	3.28	0.1	0.4	19.1
P8	2.97	0.1	0.0	20.3
P9	2.82	0.1	0.0	20.1

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

January 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.00	0.0	20.8
UU02	0.00	0.1	20.7
UU03	0.00	0.0	20.7
UU04	0.00	0.0	20.7
UU05	0.00	0.0	20.6
UU06	0.00	0.0	20.6
UU07	0.00	0.1	20.6
UU08	0.00	0.0	20.5
UU09	0.00	0.1	20.3
UU10	0.00	0.0	20.1
UU11	0.00	0.1	19.8
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.00	0.1	19.9
UU14	0.00	0.1	20.1
UU15	0.00	0.1	20.4
UU16	0.00	0.0	20.7
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.00	0.1	20.5
UU19	0.00	0.1	20.6
UU20	0.00	0.0	20.7
UU21	0.00	0.0	20.7
UU22	0.00	0.0	20.6
UU23	0.00	0.0	20.6
UU24	0.00	0.0	20.6
UU25	0.00	0.0	20.6
UU26	0.00	0.0	20.6
UU27	0.00	0.1	19.4
UU28	0.00	0.1	19.6
February 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.1	20.3
UU02	0.0	0.1	20.3
UU03	0.0	0.1	20.3
UU04	0.0	0.1	20.3
UU05	0.0	0.1	20.4

UU06	0.0	0.1	20.4
UU07	0.0	0.1	20.5
UU08	0.0	0.0	20.3
UU09	0.0	0.1	20.4
UU10	0.0	0.1	20.4
UU11	0.0	0.1	20.4
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.1	20.5
UU14	0.0	0.1	20.5
UU15	0.0	0.1	20.3
UU16	0.0	0.1	20.1
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.1	20.2
UU19	0.0	0.1	20.4
UU20	0.0	0.1	20.1
UU21	0.0	0.1	20.1
UU22	0.0	0.1	20.2
UU23	0.0	0.1	20.2
UU24	0.0	0.1	20.3
UU25	0.0	0.1	20.3
UU26	0.0	0.0	20.4
UU27	0.0	0.1	20.4
UU28	0.0	0.1	20.5
March 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.1	0.1	20.3
UU02	0.1	0.0	20.5
UU03	0.0	0.0	20.0
UU04	0.0	0.0	20.1
UU05	0.0	0.0	20.2
UU06	0.0	0.0	20.3
UU07	0.0	0.0	20.0
UU08	0.0	0.0	20.3
UU09	0.0	0.0	20.1
UU10	0.0	0.0	20.1
UU11	0.0	0.0	20.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.2

UU14	0.0	0.0	20.3
UU15	0.0	0.0	20.2
UU16	0.0	0.0	20.1
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.1
UU19	0.0	0.0	20.1
UU20	0.0	0.0	20.0
UU21	0.0	0.0	20.0
UU22	0.0	0.0	20.0
UU23	0.0	0.0	20.0
UU24	0.0	0.0	19.9
UU25	0.0	0.1	20.0
UU26	0.0	0.0	20.3
UU27	0.0	0.0	20.3
UU28	0.0	0.0	20.4
April 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.7
UU02	0.0	0.0	19.7
UU03	0.0	0.0	19.8
UU04	0.0	0.0	19.9
UU05	0.0	0.0	19.6
UU06	0.0	0.0	19.6
UU07	0.0	0.0	19.9
UU08	0.0	0.0	19.6
UU09	0.0	0.0	19.6
UU10	0.0	0.0	19.6
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	19.7
UU15	0.0	0.0	19.7
UU16	0.0	0.0	19.8
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	19.7
UU19	0.0	0.0	20.0
UU20	0.0	0.0	19.8
UU21	0.0	0.0	19.8

UU22	0.0	0.0	19.9
UU23	0.0	0.0	19.8
UU24	0.0	0.0	19.9
UU25	0.0	0.0	20.0
UU26	0.0	0.0	20.0
UU27	0.0	0.0	19.6
UU28	0.0	0.0	19.7
May 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.0
UU02	0.0	0.0	20.0
UU03	0.0	0.0	20.1
UU04	0.0	0.0	20.1
UU05	0.0	0.0	20.0
UU06	0.0	0.0	20.0
UU07	0.0	0.0	20.1
UU08	0.0	0.0	20.0
UU09	0.1	0.1	20.0
UU10	0.1	0.1	20.1
UU11	0.1	0.1	20.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.1	0.1	20.2
UU14	0.1	0.1	20.2
UU15	0.1	0.1	20.0
UU16	0.0	0.0	20.2
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.1	20.1
UU19	0.0	0.0	20.1
UU20	0.0	0.0	20.1
UU21	0.0	0.0	20.1
UU22	0.0	0.0	20.1
UU23	0.0	0.0	20.1
UU24	0.0	0.0	20.1
UU25	0.0	0.0	20.1
UU26	0.0	0.0	20.1
UU27	0.0	0.0	20.1
UU28	0.0	0.0	20.0

June 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.0
UU02	0.0	0.0	20.9
UU03	0.0	0.0	20.1
UU04	0.0	0.0	20.1
UU05	0.0	0.0	20.1
UU06	0.0	0.0	20.0
UU07	0.0	0.0	20.0
UU08	0.0	0.0	20.1
UU09	0.0	0.0	20.1
UU10	0.0	0.0	19.6
UU11	0.0	0.0	20.3
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.2
UU14	0.0	0.0	20.2
UU15	0.0	0.0	20.0
UU16	0.0	0.0	20.2
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.0
UU19	0.0	0.0	20.1
UU20	0.0	0.0	20.2
UU21	0.0	0.0	20.1
UU22	0.0	0.0	20.1
UU23	0.0	0.0	20.1
UU24	0.0	0.0	20.1
UU25	0.0	0.0	20.1
UU26	0.0	0.0	20.1
UU27	0.0	0.0	20.2
UU28	0.0	0.0	20.2
July 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.2	0.0	19.2
UU02	0.1	0.0	19.1
UU03	0.1	0.0	19.3
UU04	0.1	0.0	19.4
UU05	0.0	0.0	19.4
UU06	0.0	0.0	19.5

UU07	0.1	0.0	19.2
UU08	0.0	0.0	19.2
UU09	0.0	0.0	19.8
UU10	0.0	0.0	19.6
UU11	0.0	0.0	19.6
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.5
UU14	0.0	0.0	19.4
UU15	0.0	0.0	19.6
UU16	0.0	0.0	19.5
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	19.5
UU19	0.0	0.0	19.3
UU20	0.0	0.0	19.4
UU21	0.0	0.0	19.4
UU22	0.0	0.0	19.4
UU23	0.0	0.0	19.4
UU24	0.0	0.0	19.5
UU25	0.0	0.0	19.5
UU26	0.0	0.0	19.5
UU27	0.0	0.0	19.5
UU28	0.0	0.0	19.6
August 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	18.8
UU02	0.0	0.0	18.8
UU03	0.1	0.0	18.4
UU04	0.0	0.0	18.4
UU05	0.0	0.0	18.5
UU06	0.0	0.0	18.6
UU07	0.0	0.0	18.8
UU08	0.0	0.0	18.9
UU09	0.1	0.0	20.1
UU10	0.1	0.0	20.0
UU11	0.2	0.0	20.1
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.2	0.0	20.2
UU14	0.2	0.1	20.2

UU15	0.1	0.0	19.8
UU16	0.1	0.0	19.7
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.1	0.0	19.5
UU19	0.0	0.0	18.9
UU20	0.1	0.0	19.4
UU21	0.1	0.0	19.3
UU22	0.1	0.0	19.2
UU23	0.0	0.0	19.2
UU24	0.0	0.0	18.9
UU25	0.0	0.0	19.0
UU26	0.0	0.0	18.8
UU27	0.0	0.0	18.6
UU28	0.0	0.0	18.6
September 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.5
UU02	0.0	0.0	19.4
UU03	0.0	0.0	19.4
UU04	0.0	0.0	19.4
UU05	0.0	0.0	19.4
UU06	0.0	0.0	19.3
UU07	0.2	0.0	20.4
UU08	0.0	0.0	19.4
UU09	0.0	0.0	19.6
UU10	0.0	0.0	19.6
UU11	0.0	0.0	19.5
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.4
UU14	0.0	0.0	19.5
UU15	0.0	0.0	19.5
UU16	0.1	0.0	20.1
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	19.4
UU19	0.1	0.0	20.2
UU20	0.0	0.0	19.5
UU21	0.0	0.0	19.5
UU22	0.0	0.0	19.5

UU23	0.0	0.0	19.6
UU24	0.0	0.0	19.4
UU25	0.0	0.0	19.5
UU26	0.0	0.0	19.6
UU27	0.0	0.0	19.5
UU28	0.0	0.0	19.4
October 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.1	0.0	19.4
UU02	0.1	0.0	19.6
UU03	0.0	0.0	19.5
UU04	0.0	0.0	19.5
UU05	0.0	0.0	19.6
UU06	0.0	0.0	19.6
UU07	0.0	0.0	19.5
UU08	0.0	0.0	19.5
UU09	0.0	0.0	19.6
UU10	0.0	0.0	19.7
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	19.8
UU15	0.0	0.0	19.8
UU16	0.0	0.0	19.8
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	0.0	0.0	19.5
UU20	0.0	0.0	19.7
UU21	0.0	0.0	19.7
UU22	0.0	0.0	19.8
UU23	0.0	0.0	19.9
UU24	0.0	0.0	19.8
UU25	0.0	0.0	19.8
UU26	0.0	0.0	19.8
UU27	0.0	0.0	19.8
UU28	0.0	0.0	19.8

November 2023			
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	0.0	0.0	19.7
UU04	0.0	0.0	19.7
UU05	0.0	0.0	19.6
UU06	0.0	0.0	19.6
UU07	0.0	0.0	19.7
UU08	0.0	0.0	19.4
UU09	0.0	0.0	19.2
UU10	0.0	0.0	19.1
UU11	0.0	0.0	19.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.2
UU14	0.0	0.0	19.2
UU15	0.0	0.0	19.2
UU16	0.0	0.0	19.3
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	0.0	0.0	19.7
UU20	0.0	0.0	19.3
UU21	0.0	0.0	19.2
UU22	0.0	0.0	19.2
UU23	0.0	0.0	19.3
UU24	0.0	0.0	19.2
UU25	0.0	0.0	19.1
UU26	0.0	0.0	19.2
UU27	0.0	0.0	19.2
UU28	0.0	0.0	19.2
December 2023			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.0
UU02	0.0	0.0	19.8
UU03	0.0	0.0	19.9
UU04	0.0	0.0	20.0
UU05	0.0	0.0	20.2
UU06	0.0	0.0	20.2

UU07	0.0	0.0	19.9
UU08	0.0	0.0	20.0
UU09	0.0	0.0	20.3
UU10	0.0	0.0	20.3
UU11	0.0	0.0	20.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.2
UU14	0.0	0.0	20.2
UU15	0.0	0.0	20.1
UU16	0.0	0.0	20.1
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	0.0	0.0	20.0
UU20	0.0	0.0	20.0
UU21	0.0	0.0	20.2
UU22	0.0	0.0	20.2
UU23	0.0	0.0	20.1
UU24	0.0	0.0	20.1
UU25	0.0	0.0	20.1
UU26	0.0	0.0	20.1
UU27	0.0	0.0	20.3
UU28	0.0	0.0	20.3

TABLE G2.3 LANDFILL GAS BULK GAS SAMPLING MONITORING RESULTS

February 2023		
Parameters	LFG2	LFG8
Methane (% (v/v))	<0.0200	<0.020
Carbon Dioxide (% (v/v))	0.318	0.068
Oxygen (% (v/v))	19	21.1
Nitrogen (% (v/v))	80.9	78.9
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
May 2023		
Parameters	LFG1	LFG8
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	0.549	0.066
Oxygen (% (v/v))	16.1	20.0
Nitrogen (% (v/v))	81.3	77.5
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
August 2023		
Parameters	LFG2	LFG8
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	<0.020	<0.020
Oxygen (% (v/v))	20.6	20.5
Nitrogen (% (v/v))	76.5	76.4
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 2023		
Parameters	LFG2	LFG8
Methane (% (v/v))	0.750	0.096
Carbon Dioxide (% (v/v))	<0.020	<0.020
Oxygen (% (v/v))	19.3	20.3
Nitrogen (% (v/v))	77	76.6
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 2023							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
13:44	22°16'29"	114°16'35"	Cloudy	18.9	205	3.5	16
May 2023							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
13:54	22°16'30"	114°16'36"	Cloudy	26.9	004	2.2	6
14:20	22°16'28"	114°16'26"	Cloudy	28.3	174	1.2	6
August 2023							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)

No flammable gas surface emission detected in the reporting period.

November 2023							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
10:46	22°16'29"	114°16'10"	Sunny	22.1	313	2.7	12
10:50	22°16'26"	114°16'34"	Sunny	23.2	311	3.2	15
10:57	22°16'19"	114°16'35"	Sunny	22.3	331	5.0	15
11:03	22°16'17"	114°16'33"	Sunny	22.7	88	3.2	17
11:09	22°16'50"	114°16'21"	Sunny	23.0	124	3.0	17
11:11	22°16'20"	114°16'27"	Sunny	23.4	335	2.9	17
11:30	22°16'29"	114°16'27"	Sunny	23.2	9	3.0	5