

Annex G2

Landfill Gas Monitoring Results

Table G2.1 Landfill Gas Monitoring Results at Perimeter LFG Monitoring Wells

January 2022				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.33	0.0	0.0	20.4
LFG2	2.22	0.0	0.0	20.4
LFG3	2.38	0.0	0.1	20.2
LFG4	2.2	0.0	0.0	20.2
LFG5	2.49	0.0	0.2	10.9
LFG6	2.16	0.0	0.0	20.3
LFG7	2.29	0.0	0.0	20.2
LFG8	2.25	0.0	0.0	20.2
LFG9	2.22	0.0	0.0	20.3
LFG10	1.94	0.0	0.0	20.3
LFG11	2.06	0.0	0.3	11.8
LFG12	2.02	0.0	0.0	20.0
LFG13	1.86	17.4	0.3	0.4
LFG14	1.63	0.0	0.0	19.8
LFG15	1.87	0.0	0.1	19.5
LFG16	1.9	0.0	0.1	19.6
LFG17	2.08	0.0	0.0	20.1
LFG18	2.21	0.0	0.1	20.1
LFG19	2.27	0.0	0.0	20.1
LFG20	2.37	0.0	2.5	13.6
LFG21	2.53	0.0	2.3	12.5
LFG22	2.21	0.0	1.4	15.6
LFG23	11.65	0.0	2.1	18.3
LFG24	5.99	0.0	0.7	19.4
GP1	Probe bent	0.0	0.1	19.9
GP2 (shallow)	Probe bent	0.1	0.1	20.0
GP2 (deep)	Probe bent	0.1	0.1	20.0
GP3 (shallow)	Probe bent	0.0	0.1	20.1
GP3 (deep)	Probe bent	0.0	0.1	20.1
GP4 (shallow)	Probe bent	0.0	0.2	20.2
GP4 (deep)	Probe bent	0.0	0.1	20.2
GP5 (shallow)	Probe bent	0.0	0.1	20.2
GP5 (deep)	37.47	0.0	0.1	20.2
GP6	36.70	0.0	6.5	14.4
GP7	35.48	0.0	0.1	20.1
GP12	Dry	0.0	0.6	19.4
GP15	2.28	0.0	0.0	20.4
P7	2.26	0.0	0.0	20.3
P8	2.38	0.0	0.0	20.4
P9	2.25	0.0	0.0	20.4
February 2022				
Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.33	0.0	0.1	20.9
LFG2	2.27	0.0	0.1	20.9
LFG3	2.31	0.0	0.9	19.6
LFG4	2.23	0.0	0.1	20.9
LFG5	2.49	0.0	0.3	11.9
LFG6	2.18	0.0	0.1	20.8
LFG7	2.30	0.0	0.1	20.9
LFG8	2.24	0.0	0.1	21.0
LFG9	2.24	0.0	0.1	20.9
LFG10	1.97	0.0	0.1	20.7
LFG11	1.97	0.0	0.2	13.9

LFG12	1.86	0.0	0.1	20.1
LFG13	1.90	6.2	0.9	0.9
LFG14	1.67	0.0	0.1	20.6
LFG15	1.93	0.0	0.3	18.9
LFG16	1.98	0.0	0.1	20.5
LFG17	2.04	0.0	0.1	20.9
LFG18	3.13	0.0	0.1	20.6
LFG19	3.15	0.0	0.1	20.8
LFG20	2.05	0.0	0.7	19.2
LFG21	2.24	0.0	2.1	13.3
LFG22	2.15	0.0	1.8	12.6
LFG23	12.41	0.0	0.9	20.0
LFG24	5.76	0.0	0.8	19.8
GP1	Probe bent	0.0	0.1	20.5
GP2 (shallow)	Probe bent	0.0	0.1	20.6
GP2 (deep)	Probe bent	0.0	0.1	20.6
GP3 (shallow)	Probe bent	0.0	0.1	20.7
GP3 (deep)	Probe bent	0.0	0.7	19.4
GP4 (shallow)	Probe bent	0.0	0.2	20.7
GP4 (deep)	Probe bent	0.0	0.1	20.7
GP5 (shallow)	Probe bent	0.0	0.1	20.8
GP5 (deep)	38.03	0.0	0.1	20.8
GP6	35.98	0.0	6.7	15.2
GP7	35.86	0.0	0.2	20.9
GP12	1.60	0.0	0.2	20.9
GP15	2.34	0.0	0.1	20.9
P7	2.18	0.0	0.1	20.9
P8	2.37	0.0	0.1	20.9
P9	2.24	0.0	0.1	20.9

March 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.05	0.0	0.1	19.1
LFG2	1.96	0.0	0.4	19.3
LFG3	2.1	0.0	0.0	20.5
LFG4	2.06	0.0	0.0	20.6
LFG5	2.45	0.0	0.0	20.5
LFG6	1.96	0.0	0.0	20.4
LFG7	2.38	0.0	0.0	20.4
LFG8	2.24	0.0	0.0	20.5
LFG9	2.17	0.0	0.0	20.4
LFG10	1.93	0.0	0.0	20.4
LFG11	2.25	0.0	0.0	20.3
LFG12	2.19	0.0	0.0	20.2
LFG13	2.05	0.0	0.0	19.7
LFG14	1.81	0.0	0.0	20.1
LFG15	2	0.0	0.0	20.2
LFG16	2.1	0.0	0.0	20.0
LFG17	2.28	0.0	0.0	20.0
LFG18	2.45	0.0	0.1	19.2
LFG19	2.52	0.0	0.0	19.7
LFG20	2.54	0.0	0.4	18.5
LFG21	2.69	0.0	2.0	7.5
LFG22	2.38	0.0	0.5	18.2
LFG23	12.53	0.0	1.4	18.4
LFG24	5.96	0.0	0.8	18.4
GP1	Probe bent	0.0	3.1	15.8
GP2 (shallow)	Probe bent	0.0	0.1	20.2
GP2 (deep)	Probe bent	0.0	0.1	20.2
GP3 (shallow)	Probe bent	0.0	3.3	17.3

GP3 (deep)	Probe bent	0.0	0.1	20.3
GP4 (shallow)	Probe bent	0.0	0.2	20.3
GP4 (deep)	Probe bent	0.0	0.1	21.5
GP5 (shallow)	Probe bent	0.0	0.1	20.4
GP5 (deep)	38	0.0	0.1	20.4
GP6	36.15	0.0	0.4	19.9
GP7	35.89	0.0	0.1	19.9
GP12	1.48	0.0	0.6	18.7
GP15	2.03	0.0	0.0	20.5
P7	1.99	0.0	0.0	20.4
P8	2.11	0.0	0.0	20.4
P9	1.99	0.0	0.0	20.5

April 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.19	0.0	0.1	19.3
LFG2	2.12	0.0	0.4	18.7
LFG3	2.25	0.0	1.3	17.9
LFG4	2.08	0.0	0.0	19.8
LFG5	2.39	0.0	0.1	9.5
LFG6	2.08	0.0	0.0	20.0
LFG7	2.38	0.0	0.0	20.0
LFG8	2.29	0.0	0.0	20.2
LFG9	2.23	0.0	0.1	10.8
LFG10	1.97	0.0	0.0	16.5
LFG11	2.19	0.0	0.1	8.6
LFG12	2.12	0.0	0.0	20.2
LFG13	2.11	5.1	0.1	1.8
LFG14	1.86	0.0	0.0	15.9
LFG15	2.06	0.0	0.3	16.8
LFG16	2.18	0.0	0.0	19.8
LFG17	2.25	0.1	0.5	12.1
LFG18	2.35	0.0	0.0	20.0
LFG19	2.43	0.0	0.0	20.0
LFG20	2.38	0.0	0.3	19.2
LFG21	2.53	0.0	2.1	11.0
LFG22	2.30	0.0	0.0	20.0
LFG23	12.52	0.0	1.3	18.3
LFG24	5.92	0.0	0.8	18.4
GP1	Probe bent	0.0	0.1	20.5
GP2 (shallow)	Probe bent	0.0	0.1	20.5
GP2 (deep)	Probe bent	0.0	0.0	20.5
GP3 (shallow)	Probe bent	0.0	2.1	18.9
GP3 (deep)	Probe bent	0.0	0.1	20.4
GP4 (shallow)	Probe bent	0.0	0.1	20.2
GP4 (deep)	Probe bent	0.0	0.1	20.2
GP5 (shallow)	Probe bent	0.0	0.1	20.1
GP5 (deep)	37.86	0.0	0.0	20.2
GP6	36.00	0.0	6.1	14.5
GP7	35.78	0.0	0.0	19.8
GP12	1.63	0.0	0.3	19.2
GP15	2.17	0.0	0.0	20.5
P7	2.13	0.0	0.0	20.4
P8	2.25	0.0	0.0	20.4
P9	2.13	0.0	0.0	20.5

May 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.16	0.0	0.1	19.6
LFG2	3.05	0.0	0.7	16.6

LFG3	3.19	0.0	0.0	20.1
LFG4	2.82	0.0	0.3	8.0
LFG5	2.9	0.0	0.2	3.3
LFG6	3.13	1.8	2.1	0.2
LFG7	3.29	0.0	0.0	18.8
LFG8	3.34	8.9	0.0	3.2
LFG9	3.22	1.5	0.0	13.5
LFG10	3.05	2.9	0.1	0.2
LFG11	3.61	0.8	0.0	18.7
LFG12	3.24	0.0	0.0	19.8
LFG13	3.05	0.0	0.0	19.7
LFG14	2.71	2.4	0.0	13.0
LFG15	2.86	4.1	0.0	12.3
LFG16	3.26	0.0	0.0	19.7
LFG17	2.83	15.9	0.1	0.2
LFG18	4.41	0.0	0.0	20.8
LFG19	5.02	0.0	0.0	19.9
LFG20	4.89	0.0	0.0	19.9
LFG21	4.78	0.0	0.0	20.1
LFG22	4.39	0.0	0.0	19.7
LFG23	12.9	0.0	3.0	16.2
LFG24	6.13	0.0	1.0	18.2
GP1	Probe bent	0.0	0.1	20.3
GP2 (shallow)	Probe bent	0.0	0.1	20.2
GP2 (deep)	Probe bent	0.0	0.0	20.2
GP3 (shallow)	Probe bent	0.0	2.1	15.2
GP3 (deep)	Probe bent	0.0	0.1	20.1
GP4 (shallow)	Probe bent	0.0	0.1	20.1
GP4 (deep)	Probe bent	0.0	0.4	19.4
GP5 (shallow)	Probe bent	0.0	3.8	14.9
GP5 (deep)	44.82	0.0	0.1	20.0
GP6	43.03	0.0	5.4	14.6
GP7	37.11	0.0	0.6	18.3
GP12	2.59	0.0	0.1	20.0
GP15	4.15	0.0	0.0	20.2
P7	3.08	0.0	0.0	20.1
P8	3.16	0.0	0.0	20.0
P9	3.14	0.0	0.0	20.4

June 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.37	0.0	0.3	17.3
LFG2	3.25	0.0	0.0	20.1
LFG3	3.36	0.0	0.0	20.0
LFG4	3.21	0.0	0.7	5.8
LFG5	3.47	0.0	0.2	1.0
LFG6	3.43	0.0	0.5	13.1
LFG7	3.63	0.0	0.0	19.4
LFG8	3.6	3.3	0.5	8.6
LFG9	3.46	1.0	0.0	12.9
LFG10	3.37	2.6	0.1	1.6
LFG11	3.93	0.0	0.0	18.1
LFG12	3.61	0.0	0.0	19.7
LFG13	3.24	0.0	0.0	17.3
LFG14	2.93	0.3	0.0	19.1
LFG15	3.09	1.9	0.0	15.7
LFG16	3.47	0.0	0.0	19.6
LFG17	3.38	1.3	0.0	16.5
LFG18	4.67	0.0	0.0	19.8
LFG19	5.28	0.0	0.0	19.8

LFG20	5.02	0.0	0.1	19.3
LFG21	4.99	0.0	0.0	19.9
LFG22	4.62	0.0	0.0	19.8
LFG23	13.08	0.0	4.2	13.7
LFG24	6.71	0.0	0.8	18.6
GP1	Probe bent	0.0	0.1	18.8
GP2 (shallow)	Probe bent	0.0	0.0	20.0
GP2 (deep)	Probe bent	0.0	0.2	19.9
GP3 (shallow)	Probe bent	0.0	0.1	19.8
GP3 (deep)	Probe bent	0.0	1.0	19.1
GP4 (shallow)	Probe bent	0.0	0.1	19.8
GP4 (deep)	Probe bent	0.0	0.1	19.8
GP5 (shallow)	Probe bent	0.0	3.2	13.9
GP5 (deep)	45.76	0.0	0.1	19.8
GP6	44.68	0.0	0.1	19.8
GP7	37.23	0.0	0.4	18.2
GP12	2.81	0.0	0.3	19.6
GP15	3.35	0.0	0.1	20.0
P7	3.31	0.0	0.0	20.0
P8	3.43	0.0	0.1	20.1
P9	3.31	0.0	0.1	20.0

July 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.95	0.0	0.5	17.2
LFG2	2.86	0.0	0.6	17.9
LFG3	3.03	0.0	0.0	19.3
LFG4	2.97	0.0	0.2	18.7
LFG5	3.38	0.0	0.0	19.2
LFG6	2.9	0.0	0.0	19.3
LFG7	3.3	0.0	0.0	19.2
LFG8	3.19	0.0	0.0	19.4
LFG9	3.07	0.0	0.0	19.4
LFG10	2.99	0.0	0.0	19.4
LFG11	3.27	0.0	0.0	19.5
LFG12	3.16	0.0	0.0	19.5
LFG13	2.8	0.0	0.0	19.4
LFG14	2.64	0.0	0.0	19.3
LFG15	2.98	0.0	0.0	19.4
LFG16	3.07	0.0	0.0	19.3
LFG17	3.04	0.0	0.0	19.1
LFG18	3.82	0.0	0.0	19.1
LFG19	4.21	0.0	0.0	19.1
LFG20	4.03	0.0	0.0	19.0
LFG21	4.05	0.0	0.0	19.0
LFG22	3.65	0.0	0.0	19.0
LFG23	12.76	0.0	0.4	18.4
LFG24	6.65	0.0	0.0	18.8
GP1	Probe bent	0.2	3.4	12.5
GP2 (shallow)	Probe bent	0.1	0.0	19.6
GP2 (deep)	Probe bent	0.3	0.1	19.5
GP3 (shallow)	Probe bent	0.0	0.4	18.8
GP3 (deep)	Probe bent	0.0	0.5	19.5
GP4 (shallow)	Probe bent	0.0	0.5	18.7
GP4 (deep)	Probe bent	0.0	0.2	19.1
GP5 (shallow)	Probe bent	0.0	5.0	12.8
GP5 (deep)	42.78	0.0	0.1	18.9
GP6	39.99	0.0	1.5	17.3
GP7	36.95	0.0	1.4	15.7
GP12	2.38	0.0	0.0	19.4

GP15	2.97	0.0	0.0	19.6
P7	2.89	0.0	0.0	19.4
P8	3.01	0.0	0.0	19.5
P9	2.89	0.0	0.0	19.6

August 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	3.36	0.0	0.4	13.9
LFG2	3.27	0.0	1.0	17.4
LFG3	3.43	0.0	0.0	19.7
LFG4	3.22	0.0	0.5	6.0
LFG5	3.48	0.0	0.2	1.3
LFG6	3.4	0.0	2.1	9.4
LFG7	3.68	0.0	0.0	17.2
LFG8	3.66	0.0	0.0	20.1
LFG9	3.52	0.2	0.0	13.3
LFG10	3.36	1.3	0.1	2.4
LFG11	3.74	0.0	0.0	19.5
LFG12	3.50	0.0	0.0	20.6
LFG13	3.14	0.0	0.0	20.5
LFG14	2.89	0.2	0.0	19.8
LFG15	3.06	3.3	0.0	13.1
LFG16	3.45	0.0	0.0	20.4
LFG17	3.38	0.0	0.0	19.3
LFG18	4.48	0.0	0.0	19.5
LFG19	3.95	0.0	0.0	19.6
LFG20	4.71	0.0	0.0	19.5
LFG21	4.63	0.0	0.0	19.9
LFG22	5.27	0.0	0.0	19.4
LFG23	12.89	0.0	2.6	15.8
LFG24	7	0.0	0.0	19.9
GP1	Probe bent	0.0	6.9	7.7
GP2 (shallow)	Probe bent	0.0	0.1	19.5
GP2 (deep)	Probe bent	0.0	0.0	19.7
GP3 (shallow)	Probe bent	0.0	0.1	19.6
GP3 (deep)	Probe bent	0.0	0.2	19.4
GP4 (shallow)	Probe bent	0.0	0.2	19.5
GP4 (deep)	Probe bent	0.0	0.1	19.6
GP5 (shallow)	Probe bent	0.0	5.0	13.2
GP5 (deep)	45.07	0.0	0.1	19.8
GP6	42.63	0.0	5.8	12.9
GP7	37.05	0.0	0.0	19.8
GP12	2.79	0.0	0.0	19.7
GP15	3.34	0.0	0.0	19.9
P7	3.31	0.0	0.0	20.0
P8	3.42	0.0	0.0	19.9
P9	3.3	0.1	0.0	20.0

September 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.64	0.0	1.5	16.8
LFG2	2.54	0.0	2.4	16.2
LFG3	2.71	0.0	1.0	17.0
LFG4	2.65	0.0	0.0	20.4
LFG5	3.04	0.0	0.0	20.3
LFG6	2.56	0.0	0.0	20.2
LFG7	2.86	0.0	0.0	19.8
LFG8	2.76	0.0	0.0	19.5
LFG9	2.70	0.0	0.0	20.0
LFG10	2.5	0.0	0.0	20.1

LFG11	2.73	0.0	0.0	20.0
LFG12	2.64	0.0	0.0	20.0
LFG13	2.33	0.0	0.0	19.9
LFG14	2.22	0.0	0.0	19.9
LFG15	2.37	0.0	0.0	19.9
LFG16	2.66	0.0	0.0	19.8
LFG17	2.65	0.0	0.0	19.6
LFG18	3.2	0.0	0.0	19.5
LFG19	3.42	0.0	0.1	19.6
LFG20	3.52	0.0	0.2	19.1
LFG21	3.63	0.0	0.0	19.8
LFG22	3.19	0.0	0.0	19.8
LFG23	12.61	0.0	0.6	19.0
LFG24	6.58	0.0	0.0	19.7
GP1	Probe bent	0.1	8.5	7.3
GP2 (shallow)	Probe bent		Unmeasurable due to broken probe	
GP2 (deep)	Probe bent		Unmeasurable due to broken probe	
GP3 (shallow)	Probe bent	0.0	0.4	19.6
GP3 (deep)	Probe bent	0.0	0.1	20.0
GP4 (shallow)	Probe bent	0.0	0.1	19.9
GP4 (deep)	Probe bent	0.0	0.4	19.7
GP5 (shallow)	Probe bent	0.0	8.4	14.6
GP5 (deep)	39.73	0.0	0.0	20.0
GP6	38.29	0.0	6.1	12.6
GP7	36.53	0.0	0.0	19.8
GP12	2.07	0.0	0.0	20.3
GP15	2.61	0.0	0.0	20.1
P7	2.55	0.0	0.0	20.4
P8	2.70	0.0	0.0	20.2
P9	2.58	0.0	0.0	20.2

October 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	4.69	0.0	1.0	14.8
LFG2	3.77	0.0	2.1	15.1
LFG3	3.62	0.0	1.8	13.5
LFG4	3.77	0.0	0.0	18.8
LFG5	3.49	0.0	0.2	8.3
LFG6	3.81	0.0	0.9	13.2
LFG7	3.38	0.0	0.0	17.7
LFG8	3.46	0.0	0.0	19.6
LFG9	3.60	0.0	0.2	8.7
LFG10	3.80	0.0	0.0	19.4
LFG11	3.47	0.0	0.2	9.4
LFG12	3.60	0.0	0.0	19.7
LFG13	4.10	24.1	0.0	3.9
LFG14	5.10	0.0	0.1	19.5
LFG15	4.97	0.0	0.0	17.1
LFG16	4.55	0.0	0.0	18.6
LFG17	4.82	0.0	0.0	17.5
LFG18	3.90	0.0	0.0	18.9
LFG19	3.76	0.0	0.0	18.8
LFG20	3.95	0.0	0.0	19.1
LFG21	5.39	0.0	0.0	19.7
LFG22	6.72	0.0	0.0	19.3
LFG23	14.65	0.0	4.0	15.0
LFG24	25.97	0.0	0.0	18.1
GP1	Probe bent	0.0	7.1	10.2
GP2 (shallow)	Probe broken		Unmeasurable due to broken probe	
GP2 (deep)	Probe broken		Unmeasurable due to broken probe	
GP3 (shallow)	Probe bent	0.0	0.4	18.8

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
GP3 (deep)	Probe bent	0.0	0.1	19.3
GP4 (shallow)	Probe bent	0.0	0.2	19.1
GP4 (deep)	Probe bent	0.0	0.1	19.2
GP5 (shallow)	Probe bent	0.0	7.6	14.0
GP5 (deep)	12.92	0.0	0.0	19.2
GP6	10.03	0.0	6.0	12.0
GP7	2.40	0.0	0.3	18.3
GP12	Probe bent	0.1	0.1	19.3
GP15	3.67	0.2	0.0	19.8
P7	3.21	0.1	0.0	19.5
P8	2.89	0.2	0.0	19.8
P9	2.88	0.2	0.0	20.1

November 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
LFG1	2.58	0.0	0.4	19.1
LFG2	2.47	0.0	1.2	19.1
LFG3	2.54	0.1	0.1	21.2
LFG4	2.5	0.0	0.1	21.2
LFG5	3.44	0.0	0.3	9.3
LFG6	2.49	0.0	0.1	21.1
LFG7	2.77	0.0	0.0	18.5
LFG8	2.7	0.0	0.1	21.3
LFG9	2.75	0.0	0.3	7.4
LFG10	2.41	0.0	0.0	21.4
LFG11	2.11	0.0	0.5	2.8
LFG12	2.56	0.0	0.0	21.4
LFG13	2.27	10.6	0.0	12.2
LFG14	2.06	0.0	0.2	12.8
LFG15	4.46	0.1	0.1	19.7
LFG16	2.62	0.1	0.1	20.9
LFG17	2.96	0.0	0.1	20.5
LFG18	2.95	0.0	0.1	20.4
LFG19	3.07	0.0	0.2	8.3
LFG20	2.99	0.0	0.8	19.6
LFG21	3.1	0.0	3.0	14.5
LFG22	2.77	0.0	2.3	12.3
LFG23	12.52	0.0	1.9	19.6
LFG24	6.36	0.0	0.5	20.1
GP1	Probe bent	0.0	6.4	13.4
GP2 (shallow)	Probe bent	0.0	0.5	19.6
GP2 (deep)	Probe bent	0.0	5.3	13.6
GP3 (shallow)	Probe bent	0.0	0.3	20.5
GP3 (deep)	Probe bent	0.0	0.2	20.6
GP4 (shallow)	Probe bent	0.0	0.2	20.6
GP4 (deep)	Probe bent	0.0	0.1	20.6
GP5 (shallow)	Probe bent	0.0	7.1	16.2
GP5 (deep)	38.81	0.0	0.0	20.7
GP6	36.18	0.0	2.8	17.5
GP7	36.24	0.0	0.0	20.8
GP12	2.01	0.0	0.1	21.1
GP15	2.55	0.0	0.1	21.0
P7	2.51	0.0	0.1	20.8
P8	2.64	0.0	0.1	21.0
P9	2.5	0.0	0.3	20.8

December 2022

Location	Water Level (mPD)	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
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LFG1	2.58	0.0	0.0	20.6
LFG2	2.47	0.0	0.0	20.6
LFG3	2.54	0.0	0.0	20.7
LFG4	2.5	0.0	0.0	20.6
LFG5	3.44	0.0	0.2	13.6
LFG6	2.49	0.0	0.0	20.6
LFG7	2.77	0.0	0.0	20.6
LFG8	2.7	0.0	0.0	20.6
LFG9	2.75	0.0	0.0	20.5
LFG10	2.41	0.0	0.0	20.4
LFG11	2.11	0.0	0.1	10.6
LFG12	2.56	0.0	0.0	20.4
LFG13	2.27	1.6	0.1	16.6
LFG14	2.06	0.0	0.0	20.1
LFG15	4.46	0.0	0.1	19.7
LFG16	2.62	0.0	0.1	20.3
LFG17	2.96	0.0	0.1	20.3
LFG18	2.95	0.0	0.1	20.4
LFG19	3.07	0.0	0.1	20.2
LFG20	2.99	0.0	0.1	20.4
LFG21	3.1	0.0	0.1	20.4
LFG22	2.77	0.0	0.1	20.6
LFG23	12.52	0.0	4.7	15.1
LFG24	6.36	0.0	0.2	20.3
GP1	Probe bent	0.2	6.0	14.6
GP2 (shallow)	Probe bent	0.1	1.2	17.8
GP2 (deep)	Probe bent	0.1	8.0	9.6
GP3 (shallow)	Probe bent	0.1	0.6	19.7
GP3 (deep)	Probe bent	0.0	0.3	20.3
GP4 (shallow)	Probe bent	0.0	1.1	19.5
GP4 (deep)	Probe bent	0.1	0.1	20.5
GP5 (shallow)	Probe bent	0.0	5.5	16.8
GP5 (deep)	38.81	0.0	0.1	20.6
GP6	36.18	0.0	6.5	13.1
GP7	36.24	0.0	0.1	20.7
GP12	2.01	0.0	0.0	20.6
GP15	2.55	0.0	0.1	20.7
P7	2.51	0.0	0.0	20.6
P8	2.64	0.0	0.0	20.6
P9	2.5	0.0	0.1	20.6

Table G2.2 Landfill Gas Monitoring Results at Service Voids, Utilities Pits and Manholes

January 2022			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.1	0.0	20.6
UU02	0.1	0.0	20.7
UU03	0.2	0.0	20.6
UU04	0.2	0.0	20.3
UU05	0.2	0.0	20.2
UU06	0.2	0.0	20.1
UU07	0.1	0.0	20.7
UU08	0.3	0.0	20.2
UU09	0.0	0.0	20.6
UU10	0.0	0.0	20.7
UU11	0.0	0.0	20.6
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.4
UU14	0.0	0.0	20.5
UU15	0.0	0.0	20.3
UU16	0.0	0.0	20.0
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.0
UU19	0.1	0.0	20.6
UU20	0.0	0.0	20.0
UU21	0.0	0.0	19.2
UU22	0.0	0.1	19.9
UU23	0.0	0.1	19.5
UU24	0.0	0.0	19.6
UU25	0.0	0.0	19.7
UU26	Inaccessible due to on-going construction work		
UU27	0.1	0.0	20.3
UU28	0.0	0.0	19.9
February 2022			
Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	21.0
UU02	0.0	0.0	20.9
UU03	0.0	0.0	21.2
UU04	0.0	0.0	21.3
UU05	0.1	0.0	20.8
UU06	0.1	0.0	20.8
UU07	0.0	0.0	21.1
UU08	0.1	0.0	20.9
UU09	0.0	0.0	20.4
UU10	0.0	0.0	20.5
UU11	0.0	0.0	20.8
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.9
UU14	0.0	0.0	20.4
UU15	0.0	0.0	20.9
UU16	0.0	0.0	20.3
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	21.0
UU19	0.0	0.0	21.2
UU20	0.0	0.1	20.4
UU21	0.0	0.1	20.4
UU22	0.0	0.1	20.4
UU23	0.0	0.1	20.1

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU24	0.0	0.1	20.0
UU25	0.0	0.0	20.0
UU26	0.2	0.0	21.0
UU27	0.0	0.0	20.1
UU28	0.0	0.0	19.9

March 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.7
UU02	0.0	0.0	20.9
UU03	0.1	0.0	20.2
UU04	0.1	0.0	20.2
UU05	0.0	0.0	20.8
UU06	0.0	0.0	20.9
UU07	0.3	0.0	20.7
UU08	0.0	0.0	20.3
UU09	0.0	0.0	20.6
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	20.0
UU14	0.0	0.0	19.6
UU15	0.0	0.0	19.8
UU16	0.0	0.0	19.7
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.4
UU19	0.2	0.0	20.4
UU20	0.0	0.0	19.8
UU21	0.0	0.0	19.7
UU22	0.0	0.1	19.8
UU23	0.0	0.1	20.0
UU24	0.0	0.0	20.3
UU25	0.0	0.0	20.2
UU26	0.0	0.0	19.7
UU27	0.0	0.0	19.4
UU28	0.0	0.0	19.5

April 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.5
UU02	0.0	0.0	20.6
UU03	0.0	0.0	20.3
UU04	0.0	0.0	20.1
UU05	0.0	0.0	20.1
UU06	0.0	0.0	20.4
UU07	0.0	0.0	21.1
UU08	0.0	0.0	20.6
UU09	Inaccessible due to on-going construction work		
UU10	0.0	0.0	20.0
UU11	0.0	0.0	19.9
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.9
UU14	0.0	0.0	21.3
UU15	0.0	0.0	20.4
UU16	0.0	0.0	19.2
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	19.3
UU19	0.0	0.0	21.9
UU20	0.1	0.0	20.4

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU21	0.0	0.0	20.1
UU22	0.1	0.1	20.3
UU23	0.1	0.1	19.7
UU24	0.0	0.0	19.3
UU25	0.0	0.0	19.5
UU26	0.0	0.0	19.3
UU27	0.0	0.0	19.8
UU28	0.0	0.0	20.0

May 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	21.0
UU02	0.0	0.0	21.0
UU03	0.1	0.0	20.4
UU04	0.0	0.0	21.0
UU05		Unmeasurable due to overflow of water	
UU06	0.0	0.0	21.1
UU07	0.1	0.0	21.1
UU08		Unmeasurable due to overflow of water	
UU09		Inaccessible due to on-going construction work	
UU10	0.0	0.0	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	0.0	0.1	21.1
UU16	0.0	0.0	21.1
UU17		Voided due to latest site programme and on-going operation work	
UU18	0.0	0.1	21.0
UU19	0.1	0.0	21.2
UU20	0.1	0.0	20.9
UU21	0.0	0.0	20.9
UU22	0.0	0.1	20.8
UU23	0.0	0.1	20.7
UU24	0.0	0.1	21.0
UU25	0.0	0.1	21.1
UU26	0.0	0.1	21.1
UU27	0.0	0.1	20.5
UU28	0.0	0.1	21.0

June 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.8
UU02	0.0	0.0	19.6
UU03	0.0	0.0	19.5
UU04	0.0	0.0	19.6
UU05		Unmeasurable due to overflow of water	
UU06	0.0	0.0	19.8
UU07	0.0	0.0	19.9
UU08	0.0	0.0	19.8
UU09		Inaccessible due to on-going construction work	
UU10	0.0	0.0	20.5
UU11	0.0	0.0	19.9
UU12		Voided due to latest site programme and on-going operation work	
UU13	0.0	0.0	20.1
UU14	0.0	0.0	20.2
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	

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU18	0.0	0.0	20.4
UU19	0.0	0.0	20.1
UU20	0.0	0.0	20.1
UU21	0.0	0.0	19.8
UU22	0.0	0.0	19.8
UU23	0.0	0.0	19.8
UU24	0.0	0.0	20.0
UU25	0.0	0.0	20.0
UU26	0.0	0.0	20.3
UU27	0.0	0.0	20.0
UU28	0.0	0.0	20.0

July 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.8
UU02	0.0	0.0	20.1
UU03	0.0	0.0	20.2
UU04	0.0	0.0	19.8
UU05	0.0	0.0	19.8
UU06	0.0	0.0	20.0
UU07	0.0	0.0	19.7
UU08	0.0	0.0	20.4
UU09	0.0	0.0	19.4
UU10	0.0	0.0	19.0
UU11	0.0	0.0	20.7
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.9
UU14	0.0	0.0	21.0
UU15	0.0	0.0	19.5
UU16	0.0	0.0	18.5
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.1	0.0	20.9
UU19	0.0	0.0	19.8
UU20	0.0	0.0	18.2
UU21	0.0	0.0	18.4
UU22	0.0	0.0	19.0
UU23	0.0	0.0	19.5
UU24	0.0	0.0	20.1
UU25	0.0	0.0	20.3
UU26	0.0	0.0	18.6
UU27	0.0	0.0	20.4
UU28	0.0	0.0	20.8

August 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	Unmeasurable due to overflow of water		
UU02	0.1	0.0	20.8
UU03	0.1	0.0	19.0
UU04	0.1	0.0	20.6
UU05	Unmeasurable due to overflow of water		
UU06	0.1	0.0	20.6
UU07	0.1	0.0	20.9
UU08	Unmeasurable due to overflow of water		
UU09	0.0	0.0	19.6
UU10	0.0	0.0	19.6
UU11	0.0	0.0	19.2
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.1
UU14	0.0	0.0	19.2

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU15	0.0	0.0	19.9
UU16	0.0	0.0	19.8
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	19.9
UU19	0.1	0.0	20.6
UU20	0.0	0.0	19.7
UU21	0.0	0.0	19.3
UU22	0.0	0.0	19.5
UU23	0.0	0.0	19.8
UU24	0.0	0.0	19.6
UU25	0.0	0.0	19.8
UU26	0.0	0.0	19.4
UU27	0.0	0.0	19.4
UU28	0.0	0.0	19.5

September 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.8
UU02	0.0	0.0	20.4
UU03	0.0	0.0	20.0
UU04	0.0	0.0	19.7
UU05	0.0	0.0	20.5
UU06	0.0	0.0	20.3
UU07	0.0	0.0	20.1
UU08	0.0	0.0	20.0
UU09	0.0	0.0	20.7
UU10	0.0	0.0	20.6
UU11	0.0	0.0	18.9
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.4
UU14	0.0	0.0	20.1
UU15	0.0	0.0	20.6
UU16	0.0	0.0	18.7
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.8
UU19	0.0	0.0	20.2
UU20	0.0	0.0	18.6
UU21	0.0	0.0	18.5
UU22	0.0	0.0	19.9
UU23	0.0	0.0	19.1
UU24	0.0	0.0	19.4
UU25	0.0	0.0	19.4
UU26	0.0	0.0	19.5
UU27	0.0	0.0	18.8
UU28	0.0	0.0	19.3

October 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	19.6
UU02	0.0	0.0	19.6
UU03	0.0	0.0	19.6
UU04	0.0	0.0	19.5
UU05	0.0	0.0	19.4
UU06	0.0	0.0	19.4
UU07	0.1	0.0	19.9
UU08	0.0	0.0	19.8
UU09	0.0	0.0	19.6
UU10	0.0	0.0	19.4
UU11	0.0	0.0	18.3

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	19.8
UU14	0.0	0.0	19.8
UU15	0.0	0.0	19.8
UU16	0.0	0.0	19.9
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	0.0	20.1
UU19	0.1	0.0	19.4
UU20	0.0	0.0	18.6
UU21	0.0	0.0	18.8
UU22	0.0	0.0	19.3
UU23	0.0	0.0	19.7
UU24	0.0	0.0	19.1
UU25	0.0	0.0	19.2
UU26	0.0	0.0	19.4
UU27	0.0	0.0	18.7
UU28	0.0	0.0	19.1

November 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.9
UU02	0.0	0.0	20.9
UU03	0.1	0.0	20.8
UU04	0.1	0.0	20.8
UU05	Unmeasurable due to overflow of water		
UU06	0.2	0.0	20.6
UU07	0.1	0.0	20.9
UU08	0.2	0.0	20.6
UU09	Inaccessible due to on-going construction work		
UU10	0.0	0.0	20.3
UU11	0.0	0.0	20.6
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	20.3	79.7
UU14	0.0	20.4	79.5
UU15	0.0	20.4	79.6
UU16	0.0	20.3	79.7
UU17	Voided due to latest site programme and on-going operation work		
UU18	0.0	20.3	79.6
UU19	0.0	20.9	79.0
UU20	0.0	20.6	79.4
UU21	0.0	20.6	79.4
UU22	0.0	20.5	79.5
UU23	0.0	20.5	79.5
UU24	0.0	20.1	79.8
UU25	0.0	20.1	79.8
UU26	Inaccessible due to on-going construction work		
UU27	0.0	20.6	79.4
UU28	0.0	20.5	79.4

December 2022

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU01	0.0	0.0	20.2
UU02	0.0	0.0	20.2
UU03	0.0	0.0	20.1
UU04	0.0	0.0	20.2
UU05	0.0	0.0	20.4
UU06	0.0	0.0	20.3
UU07	0.0	0.0	20.0
UU08	0.0	0.0	20.2

Location	Methane (% (v/v))	Carbon Dioxide (% (v/v))	Oxygen (% (v/v))
UU09	0.0	0.0	19.9
UU10	0.0	0.0	19.9
UU11	0.0	0.0	20.0
UU12	Voided due to latest site programme and on-going operation work		
UU13	0.0	0.0	20.0
UU14	0.0	0.0	19.9
UU15	0.0	0.0	19.9
UU16	0.0	0.1	20.2
UU17	Voided due to latest site programme and on-going operation work		
UU18	Inaccessible due to on-going construction work		
UU19	0.0	0.0	20.0
UU20	0.0	0.1	20.2
UU21	0.0	0.1	20.1
UU22	0.0	0.1	20.1
UU23	0.0	0.1	20.1
UU24	0.1	0.1	20.4
UU25	0.1	0.1	20.5
UU26	0.1	0.1	20.3
UU27	0.2	0.1	20.6
UU28	0.1	0.1	20.5

Table G2.3 Landfill Gas Bulk Gas Sampling Monitoring Results

February 2022		
Parameters	LFG14	LFG15
Methane (% (v/v))	0.0	0.0
Carbon Dioxide (% (v/v))	0.119	0.110
Oxygen (% (v/v))	10.2	20.1
Nitrogen (% (v/v))	90.5	80.3
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 2022		
Parameters	LFG12	LFG24
Methane (% (v/v))	0.415	<0.020
Carbon Dioxide (% (v/v))	0.038	1.03
Oxygen (% (v/v))	19.9	19.6
Nitrogen (% (v/v))	78.7	79.0
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 2022		
Parameters	LFG20	LFG23
Methane (% (v/v))	<0.020	<0.020
Carbon Dioxide (% (v/v))	0.059	0.062
Oxygen (% (v/v))	20.6	20.7
Nitrogen (% (v/v))	77.5	77.3
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 2022		
Parameters	LFG1	LFG8
Methane (% (v/v))	<0.0200	<0.020
Carbon Dioxide (% (v/v))	0.419	0.138
Oxygen (% (v/v))	15.6	17.2
Nitrogen (% (v/v))	80.6	79.2
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

Table G2.4 Flammable Gas Surface Emission Monitoring Results (February 2022)

February 2022							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
14:40	22°16'36"	114°16'36"	Sunny	18.8	161	3.6	3
14:50	22°16'24"	114°16'36"	Sunny	21.0	155	3.6	6
May 2022							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
10:55	22°16'33"	114°16'17"	Fine	26.4	040	4.5	3
11:12	22°16'16"	114°27'78"	Fine	27.5	300	2.7	6
11:28	22°16'15"	114°16'33"	Fine	25.8	317	3.1	12
11:36	22°16'14"	114°16'28"	Fine	26.9	275	2.5	8
11:50	22°16'23"	114°16'26"	Fine	29.3	309	1.1	8
11:58	22°16'30"	114°16'26"	Fine	28.5	316	1.1	21
12:13	22°16'37"	114°16'27"	Fine	29.7	313	1.5	15
12:30	22°16'37"	114°16'31"	Fine	27.2	305	0.6	12
August 2022							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
14:51	22°16'31"	114°16'17"	Sunny	32.8	190	2.1	8
15:16	22°16'53"	114°16'17"	Sunny	33.6	143	0.8	5
November 2022							
Time	GPS Coordinates Latitude (N)	Longitude (E)	Weather Condition	Temperature (°C)	Wind Direction (Deg)	Wind Speed (m/s)	Monitoring Results (ppm)
14:54	22°16'26"	114°16'35"	Sunny	26.4	146	0.9	25
16:01	22°16'26"	114°16'34"	Sunny	25.8	185	1.7	11