

Stoney Hill Landfill Site

Flare Monitoring Data, July to September 2022

Date	Methane (%v/v)	Carbon Dioxide (%v/v)	Oxygen (%v/v)	Balance Gas (%v/v)	Barometric Pressure (mbar)	Relative Pressure (mbar)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)	Gas Flow (m3/hr)
05/07/2022	28.6	18.5	6.8	46.1	1005	-52.83	0	1	98
12/07/2022	37.8	22.5	3.4	36.3	1002	-36.33	0	1	126
19/07/2022	53.7	26.3	2.3	17.7	993	-40.13	2	3	109
26/07/2022	60.4	29.3	1.4	8.9	1001	-34.5	1	2	992
02/08/2022	56.7	29.6	0.9	12.8	992	-16.03	2	1	131
09/08/2022	43	22.4	5.1	29.5	1011	-34.51	1	1	115
16/08/2022	53.8	27.1	2.3	16.8	989	-25.79	1	4	129
23/08/2022	38	21.8	4.9	35.3	991	-23.13	1	0	107
01/09/2022	60.3	29.6	1.1	9	1002	-18.81	1	3	125
06/09/2022	62	29.4	0.9	7.7	989	-0.48	1	0	120
13/09/2022	54.2	27.3	1.5	17	993	-26.26	0	0	141
20/09/2022	52.5	25.7	3.4	18.4	1006	-30.03	0	3	124
28/09/2022	59.9	30.3	2	7.8	981	-1.15	0	14	127

Stoney Hill Landfill Site
 Perimeter Gas Monitoring Data, July to September 2022

Sample Point	Date	Methane (%v/v)	Carbon Dioxide (%v/v)	Oxygen (%v/v)	Balance Gas (%v/v)	Barometric Pressure (mbar)	Relative Pressure (mbar)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)
M1	15/07/2022	8.4	16	3.6	72	1005	-0.43	0	0
M1	10/08/2022	2.5	8.8	10.5	78.2	1008	-0.1	0	0
M1	06/09/2022	11.3	21.3	0.6	66.8	992	-0.41	0	0
M10	10/08/2022	0.3	15.2	3.4	81.1	1010	-0.39	0	0
M11	15/07/2022	0	5.4	12.7	81.9	1005	-0.84	0	0
M11	10/08/2022	0	0.5	20.1	79.4	1010	-0.34	0	0
M11	06/09/2022	0	1.4	18.7	79.9	991	-0.7	0	0
M12	10/08/2022	0	0.2	20.7	79.1	1009	-0.51	0	0
M13	15/07/2022	4.5	23.2	1.7	70.6	1005	-0.77	0	0
M13	10/08/2022	5.3	23.1	3.1	68.5	1010	-0.43	0	0
M13	06/09/2022	6.3	26.2	2	65.5	993	-0.7	0	0
M15	10/08/2022	0	0.1	20.8	79.1	1010	-0.43	0	0
M15D	10/08/2022	0	0.1	20.7	79.2	1010	-0.38	0	0
M16	15/07/2022	0	5.2	17.2	77.6	1006	-0.88	0	0
M16	10/08/2022	0	3.7	17.9	78.4	1010	-0.57	0	0
M16	06/09/2022	0	3.9	17.8	78.3	993	-0.36	0	0
M17	10/08/2022	0	0.4	20.2	79.4	1009	-0.65	0	0
M18	15/07/2022	0	3.2	16.6	80.2	1006	-1.17	0	0
M18	10/08/2022	0	1.6	19.5	78.9	1010	-0.51	0	0
M18	06/09/2022	1.1	11	5.8	82.1	992	-0.72	0	0
M18D	15/07/2022	0	2.3	17.2	80.5	1006	-0.82	0	0
M18D	10/08/2022	0	0.1	20.6	79.3	1009	-0.46	0	0
M18D	06/09/2022	3.9	10.2	9.4	76.5	992	-0.81	0	0
M19	10/08/2022	14.5	17.9	1.5	66.1	1011	-0.46	0	0
M20	15/07/2022	1.4	6.4	13.5	78.7	1006	-0.94	0	0
M20	10/08/2022	0	0.1	20.8	79.1	1010	-0.53	0	0
M20	06/09/2022	3.7	5.8	15.2	75.3	991	-0.89	0	0
M20D	15/07/2022	0	0.4	19.4	80.2	1006	-0.98	0	0
M20D	10/08/2022	0	0.2	20.7	79.1	1010	-0.21	0	0
M20D	06/09/2022	0	0.3	20.5	79.2	991	-0.91	0	0
M21	15/07/2022	0	6.5	14	79.5	1005	-0.57	0	0
M21	10/08/2022	0	1.2	19.4	79.4	1008	0	0	0
M21	06/09/2022	0.2	3.7	16.7	79.4	992	-0.67	0	0
M22	15/07/2022	9.3	13.6	7.2	69.9	1005	-0.64	0	0
M22	10/08/2022	0	5.7	13.9	80.4	1009	-0.14	0	0
M22	06/09/2022	3.4	9.4	11	76.2	991	-0.67	0	0
M22D	15/07/2022	10.7	10	12	67.3	1005	-0.46	0	0
M22D	10/08/2022	9	7.9	14.3	68.8	1008	-0.55	0	0
M22D	06/09/2022	8.6	7.7	15.1	68.6	992	-0.45	0	0
M23	15/07/2022	27.8	37.7	1.8	32.7	1005	0.62	0	0
M23	10/08/2022	21.3	26.2	6.6	45.9	1008	0.12	0	0
M23	06/09/2022	9.4	18.7	3.8	68.1	992	-0.33	0	0
M23D	15/07/2022	19.5	23	7.2	50.3	1005	-0.62	0	0
M23D	10/08/2022	17.4	20.1	9	53.5	1009	0.02	0	0
M23D	06/09/2022	20.2	23.6	7.8	48.4	992	-0.72	0	0
M24	15/07/2022	0	5.1	16.6	78.3	1006	-4.86	0	0
M24	10/08/2022	0	6.1	17.1	76.8	1009	0	0	0
M24	06/09/2022	0	12	9.9	78.1	991	-0.64	0	0
M24D	15/07/2022	6.7	11.3	10.7	71.3	1005	-0.5	0	0
M24D	10/08/2022	5.6	9.8	12.5	72.1	1009	-0.09	0	0
M24D	06/09/2022	10.8	15.5	9	64.7	992	0.09	0	0
M3	10/08/2022	0	7.4	12.9	79.7	1009	-0.31	0	0
M32	15/07/2022	1	1.5	18.2	79.3	1005	-0.88	0	1
M32	10/08/2022	0	0.3	20.4	79.3	1010	-0.34	0	0
M32	06/09/2022	0	0.5	19.7	79.8	992	-0.72	0	0
M32D	15/07/2022	0.1	0.3	19.3	80.3	1006	-0.77	0	1
M32D	10/08/2022	0.2	2.6	18.6	78.6	1009	-0.79	0	0
M32D	06/09/2022	0	0.3	20.5	79.2	992	-0.76	0	0
M33	10/08/2022	0.3	17	7.5	75.2	1008	-0.26	0	0
M34	10/08/2022	0	0.2	20.7	79.1	1009	-0.34	0	0
M34D	10/08/2022	0	1.4	19.5	79.1	1009	-0.07	0	0
M35	10/08/2022	0	0.1	20.8	79.1	1009	-0.21	0	0
M36	10/08/2022	0	0.1	20.8	79.1	1009	-0.24	0	0
M5	10/08/2022	0	0.7	20.3	79	1008	-0.17	0	0
M6	15/07/2022	10	10.2	15.5	64.3	1005	-2.27	0	0
M6	10/08/2022	11	10	16.4	62.6	1009	-0.24	0	0
M6	06/09/2022	11.4	12.5	14.9	61.2	992	-0.7	0	0
M6D	15/07/2022	7	17.7	11.1	64.2	1005	-1.24	0	0
M6D	10/08/2022	11.5	37.1	3.5	47.9	1009	8.98	0	0
M6D	06/09/2022	14.6	48.7	0.2	36.5	992	0.55	0	0
M7	10/08/2022	0	0.1	20.8	79.1	1010	-0.33	0	0
M7D	10/08/2022	0	1.7	18	80.3	1009	-0.03	0	0
M8	10/08/2022	0	3.9	20	76.1	1008	-0.24	0	0
M9	10/08/2022	3.3	6.9	13.9	75.9	1009	-0.29	0	0
M9D	10/08/2022	0.2	2.2	18.7	78.9	1009	-0.36	0	0

Onsite Gas Monitoring Data, July to September 2022									
Sample Point	Date	Methane (%v/v)	Carbon Dioxide (%v/v)	Oxygen (%v/v)	Balance Gas (%v/v)	Barometric Pressure (mbar)	Relative Pressure (mbar)	Carbon Monoxide (ppm)	Hydrogen Sulphide (ppm)
GEW1	12/07/2022	10.4	3.7	15.4	70.5	1002	6.08	0	1
GEW1	02/08/2022	26.2	4.7	11.8	57.3	992	-0.21	1	0
GEW1	01/09/2022	42.7	5.5	9.6	42.2	1002	-0.57	0	0
GEW2	12/07/2022	13.9	18.3	2.4	65.4	1003	-31.01	0	1
GEW2	02/08/2022	44.8	23.3	3.1	28.8	992	-30.1	1	3
GEW2	01/09/2022	45.5	21.8	5.5	27.2	1002	-30.58	0	11
GEW3	12/07/2022	0.4	0.2	18.8	80.6	1002	38.87	0	1
GEW3	02/08/2022	0.5	0.2	19.1	80.2	992	49.99	0	0
GEW3	01/09/2022	0.4	0.2	20.9	78.5	1001	25.91	0	0
GEW4	12/07/2022	37.1	23.4	2.2	37.3	1002	-3.02	0	1
GEW4	02/08/2022	63.1	29.6	1.1	6.2	992	-29.38	3	0
GEW4	01/09/2022	62.9	29.7	2.2	5.2	1001	-30.09	1	0
GEW5	12/07/2022	34.9	22	3.2	39.9	1002	-2.37	0	1
GEW5	02/08/2022	45.2	24	5.4	25.4	991	-30.24	1	0
GEW5	01/09/2022	26.9	14.9	12.6	45.6	1001	-28.59	0	0
GEW6	12/07/2022	26.6	14.7	10.8	47.9	1003	-1.6	0	0
GEW6	02/08/2022	38.6	21.6	7.4	32.4	992	-27.43	1	0
GEW6	01/09/2022	37.6	22.2	9.5	30.7	1002	-32.75	0	1
IC107	12/07/2022	62.8	31.7	1.3	4.2	1003	-0.27	0	1
IC107	02/08/2022	65.8	32.9	0.5	0.8	992	-23.46	1	1
IC107	01/09/2022	65.7	33.1	1	0.2	1002	-31.61	0	2
IC108	12/07/2022	30.3	18.7	8	43	1002	-0.55	0	0
IC108	02/08/2022	10.4	9.3	13.5	66.8	992	-27.03	1	0
IC108	01/09/2022	7.9	11	18.8	62.3	1002	-11.29	0	0
IC109	12/07/2022	64.6	31.5	1	2.9	1002	-0.15	0	0
IC109	02/08/2022	52.5	26.9	3.6	17	992	-21.04	1	0
IC109	01/09/2022	27.2	20.2	7.7	44.9	1003	-28.68	0	0
IC112	12/07/2022	32.8	23	2.7	41.5	1002	-35.1	0	0
IC112	02/08/2022	66.4	32.6	0.4	0.6	992	-33.24	1	1
IC112	01/09/2022	65	32.5	0.8	1.7	1001	-32.57	0	2
IC113	12/07/2022	27.5	16.8	7.8	47.9	1002	-37.34	0	0
IC113	02/08/2022	64	31.4	0.6	4	992	-29.79	1	0
IC113	01/09/2022	63.4	32.6	1.5	2.5	1001	-28.95	0	0
IC116	02/08/2022	30.7	16.8	9.5	43	992	-29	0	0
IC116	01/09/2022	58.8	32.1	2.8	6.3	1002	-31.99	0	0
IC127	12/07/2022	34.7	11.3	9.7	44.3	1001	-0.07	0	0
IC127	02/08/2022	36.8	11.6	9.4	42.2	992	-0.27	5	0
IC127	01/09/2022	38.8	12.6	9.8	38.8	1002	-0.6	6	0
IC128	12/07/2022	25.9	13.6	11.3	49.2	1001	-20.7	0	0
IC128	02/08/2022	53	26.7	4	16.3	992	-32.66	0	0
IC128	01/09/2022	61.1	31.4	4.1	3.4	1001	-30.86	0	1
IC129	12/07/2022	19.3	16.6	5.9	58.2	1002	-0.46	0	0
IC129	02/08/2022	54.8	28.5	1.7	15	992	-33.36	1	0
IC129	01/09/2022	59.1	30.4	2.1	8.4	1002	-33.57	0	0
IC130	12/07/2022	24.7	17.9	5.9	51.5	1002	-0.5	0	0
IC130	02/08/2022	63.7	33.5	0.7	2.1	988	-33.35	1	1
IC130	01/09/2022	64.4	34.4	0.8	0.4	1002	-0.94	0	3
IC133	12/07/2022	34.6	14.9	8.3	42.2	1003	-15.17	0	0
IC133	02/08/2022	69.6	24.9	1.8	3.7	992	-4.45	1	6
IC133	01/09/2022	68.9	25.9	4.1	1.1	1002	-7.4	0	7
IC14	12/07/2022	61.4	27.1	1.1	10.4	1002	-39.4	0	1
IC14	02/08/2022	59.8	28.1	1.4	10.7	992	-29.18	1	0
IC14	01/09/2022	62.5	27.4	2.4	7.7	1001	-27.13	0	0
IC158	12/07/2022	34.1	9.7	9.9	46.3	1002	-0.69	0	1
IC158	02/08/2022	32.9	10	12.2	44.9	992	-0.82	5	0
IC158	01/09/2022	32.4	10.4	11	46.2	1002	-0.98	4	0
IC159	12/07/2022	15.4	17.8	1.8	65	1002	-38.12	0	1
IC159	02/08/2022	8.2	17.2	1.2	73.4	992	-24.82	1	0
IC159	01/09/2022	15.7	17.7	2.7	63.9	1001	-23.62	0	0
IC16	12/07/2022	25.7	4	11.3	59	1002	-0.36	0	0
IC16	02/08/2022	26.8	4.4	11.5	57.3	991	-0.45	7	0
IC16	01/09/2022	27	4.9	12.7	55.4	1001	-0.86	6	0
IC21	12/07/2022	59.8	22.9	0.6	16.7	1002	-38.84	0	1
IC21	02/08/2022	58.4	28.9	1.7	11	992	-29.31	1	0
IC21	01/09/2022	58.6	28.1	1.7	11.6	1002	-25.88	1	1
IC44	12/07/2022	22.4	12.1	12.1	53.4	1002	-1.24	0	0
IC44	02/08/2022	54.5	29	3.1	13.4	992	-32.37	1	0
IC44	01/09/2022	51.6	28	4.7	15.7	1002	-29.66	0	0
IC68	12/07/2022	63.9	13.9	3.8	18.4	1002	-0.48	0	1
IC68	02/08/2022	55.9	13.8	4.2	26.1	992	-0.51	3	0
IC68	01/09/2022	33.1	10.5	8.8	47.6	1001	-0.86	2	0
IC75	12/07/2022	34.3	20.1	5.6	40	1002	-0.26	0	0
IC75	02/08/2022	3.4	2.8	17.9	75.9	992	-23.98	1	0
IC75	01/09/2022	0.5	1	20.5	78	1003	-3.66	0	0
IC77	12/07/2022	0.1	1.1	18.3	80.5	1002	-0.58	0	0
IC77	02/08/2022	0.2	1.1	18.4	80.3	992	-0.57	6	0
IC77	01/09/2022	0.2	1.2	20	78.6	1002	-1.03	5	0
IC85	12/07/2022	0.1	7.1	9.3	83.5	1002	-0.45	0	0

Stoney Hill Landfill Site
 Leachate Dips, July to September 2022

Sample Point	Date	Dip to Leachate (m)	Dip to Base (m)
GEW1	12/07/2022	10.90	17.00
GEW1	02/08/2022	15.60	17.00
GEW1	01/09/2022	15.40	17.00
GEW2	12/07/2022	12.5	14.2
GEW2	02/08/2022	12.49	14.2
GEW2	01/09/2022	12.62	14.2
GEW3	12/07/2022	15.6	16.45
GEW3	02/08/2022	15.63	16.45
GEW3	01/09/2022	15.95	16.45
GEW4	12/07/2022	8.76	11
GEW4	02/08/2022	8.6	11
GEW4	01/09/2022	8.72	11
GEW5	12/07/2022	8.05	12.5
GEW5	02/08/2022	8	12.5
GEW5	01/09/2022	8.74	12.5
GEW6	12/07/2022	7.62	11.15
GEW6	02/08/2022	7.34	11.15
GEW6	01/09/2022	8.1	11.15
W1	12/07/2022	7.05	8.3
W1	02/08/2022	7.35	8.3
W1	01/09/2022	7.4	8.3
W11	12/07/2022	12.94	13.25
W11	02/08/2022	12.95	13.5
W11	01/09/2022	13	13.5
W13	12/07/2022	4.96	5.9
W13	02/08/2022	4.99	5.9
W13	01/09/2022	5.01	5.9
W14	12/07/2022	5.21	5.4
W14	02/08/2022	5.2	5.4
W14	01/09/2022	5.23	5.4
W15	12/07/2022	3.3	3.9
W15	02/08/2022	3.4	3.9
W15	01/09/2022	3.2	3.9
W17	12/07/2022	5.02	5.8
W17	02/08/2022	4.92	5.8
W17	01/09/2022	4.41	5.8
W19	12/07/2022	6.6	7.5
W19	02/08/2022	6.62	7.5
W19	01/09/2022	6.59	7.5
W1A	12/07/2022	6.4	8.4
W1A	02/08/2022	7.1	8.4
W1A	01/09/2022	7.15	8.4
W2	12/07/2022	6.05	7.7
W2	02/08/2022	6.2	7.7
W2	01/09/2022	6.47	7.7
W20	12/07/2022	10.65	11.5
W20	02/08/2022	10.65	11.5
W20	01/09/2022	10.8	11.5
W23	12/07/2022	6.23	7.4
W23	02/08/2022	6.3	7.4
W23	01/09/2022	6.39	7.4
W4	12/07/2022	10.01	11.4
W4	02/08/2022	9.3	11.4
W4	01/09/2022	9.91	11.4
W5	12/07/2022	8.2	8.25
W5	02/08/2022	8.17	8.25
W5	01/09/2022	8.2	8.25
W8	12/07/2022	5.94	6.2
W8	02/08/2022	5.86	6.2
W8	01/09/2022	5.51	6.2