

Stoney Hill Landfill Site
 Flare Monitoring Data, April to June 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)
05/04/2022	49.6	24.2	2.7	23.5	989	10.28	0	2	140
12/04/2022	35.7	20.7	5.7	37.9	984	-38.5	3	0	96
19/04/2022	58.3	26.9	2.7	12.1	998	-23.95	1	1	121
26/04/2022	46.9	21.9	5.9	25.3	1002	-33.02	1	2	131
03/05/2022	64.8	29.1	1.3	4.8	1001	-30.94	1	1	103
10/05/2022	68.8	30.5	0.3	0.4	993	-23.46	2	2	122
17/05/2022	26.7	15.4	9	48.9	997	-51.9	1	0	92
24/05/2022	65.4	30.2	0.4	4	986	-26.24	1	1	123
01/06/2022	66.1	30.8	0.8	2.3	995	-31.66	1	5	138
07/06/2022	66.5	29.1	0.4	4	993	-26.62	1	0	143
15/06/2022	56.3	27.5	1.9	14.3	1000	-22.1	2	1	104
22/06/2022	59.3	28.9	0.8	11	995	-27.43	2	8	137
28/06/2022	43.9	23	4.1	29	995	-35.08	1	2	112

Stoney Hill Landfill Site
Perimeter Gas Monitoring Data, April to June 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	07/04/2022	0.1	0.1	20.6	79.2	963	-0.5	0	1
M1	10/05/2022	12.4	20.4	1	66.2	993	0.14	1	0
M1	15/06/2022	0	0.1	19.8	80.1	999	-0.03	0	0
M10	10/05/2022	0	6.2	4.5	89.3	993	0.17	0	0
M11	07/04/2022	0	15.1	2.4	82.5	962	-0.14	0	1
M11	10/05/2022	0	7.8	9.9	82.3	994	0.07	0	0
M11	15/06/2022	0	0.1	20	79.9	1000	-0.1	0	0
M12	10/05/2022	0	0.1	19.8	80.1	994	0.03	0	1
M13	07/04/2022	0.1	13.7	5.9	80.3	963	12.17	0	1
M13	10/05/2022	0.7	12.9	6.4	80	993	2.51	0	0
M13	15/06/2022	3.2	20.3	1.8	74.7	1001	-0.45	0	0
M15	10/05/2022	0	0.9	19.6	79.5	995	-0.02	0	0
M15D	10/05/2022	0	1.3	19.4	79.3	994	-0.09	0	0
M16	07/04/2022	0	13.5	14	72.5	963	-0.12	0	1
M16	10/05/2022	0	20	11	69	994	-0.1	1	0
M16	15/06/2022	0	16.8	12.2	71	1001	-0.36	0	0
M17	10/05/2022	0	0.2	19.7	80.1	994	0	0	0
M18	07/04/2022	0	9.3	2.5	88.2	963	-1.08	0	1
M18	10/05/2022	2.2	13	2	82.8	994	-0.12	0	0
M18	15/06/2022	2.1	8.6	4.2	85.1	1001	-0.14	0	0
M18D	07/04/2022	0	0.2	19.8	80	963	-0.24	0	1
M18D	10/05/2022	0.2	0.6	19.1	80.1	994	-0.45	0	0
M18D	15/06/2022	1.4	1.3	18.2	79.1	1001	-42.39	0	0
M19	10/05/2022	14.6	16.4	2.1	66.9	994	-0.03	1	0
M20	07/04/2022	3.7	2.9	18.2	75.2	962	-0.14	0	1
M20	10/05/2022	17.2	16.3	7.4	59.1	994	-0.02	0	4
M20	15/06/2022	3.4	2.6	17.9	76.1	1000	-0.12	0	0
M20D	07/04/2022	0	0.1	20	79.9	962	-0.07	0	1
M20D	10/05/2022	0.1	0.2	19.6	80.1	994	-0.07	0	0
M20D	15/06/2022	0	0.3	19.8	79.9	1001	-0.14	0	0
M21	10/05/2022	0	2.1	17.5	80.4	993	0.19	0	0
M21	10/05/2022	42.3	23.7	6.9	27.1	993	0.29	2	0
M21	15/06/2022	0	1.9	17.2	80.9	1000	0.03	0	0
M22	07/04/2022	45.2	17.6	5.3	31.9	963	-0.1	0	1
M22	10/05/2022	46.4	17.8	4.3	31.5	994	0.21	1	0
M22	15/06/2022	27.6	14.4	7	51	1000	0.1	0	0
M22D	07/04/2022	15.4	17	6.9	60.7	963	-0.5	0	1
M22D	10/05/2022	10.2	10.7	11.8	67.3	993	0.17	0	0
M22D	15/06/2022	12.1	11.6	10.9	65.4	1000	0.03	0	0
M23	07/04/2022	32	35.9	0.7	31.4	963	9.56	0	1
M23	10/05/2022	29.6	33.3	1.4	35.7	993	3.78	1	0
M23	15/06/2022	27.9	33.6	1.7	36.8	1000	1.46	1	0
M23D	07/04/2022	19.9	24.1	7.1	48.9	963	-0.55	0	1
M23D	10/05/2022	16.3	19.3	9.6	54.8	994	0.67	0	0
M23D	15/06/2022	15.4	18.1	9.7	56.8	1000	-0.03	1	0
M24	07/04/2022	0	2	19.8	78.2	962	-14.96	0	1
M24	10/05/2022	0	0.8	20.2	79	994	0.15	0	0
M24	15/06/2022	0	0.2	19.8	80	999	-8.15	0	0
M24D	07/04/2022	22.8	24.6	4.1	48.5	963	-0.76	0	1
M24D	10/05/2022	10.6	14.8	8.5	66.1	994	0.14	1	0
M24D	15/06/2022	5	7.4	14.2	73.4	1000	-1.03	0	0
M3	10/05/2022	0	4.6	8.5	86.9	993	0.02	0	0
M32	07/04/2022	13.7	7.2	15.5	63.6	962	-0.14	0	2
M32	10/05/2022	11.6	6.4	16.3	65.7	994	0.05	0	3
M32	15/06/2022	5.9	3.8	17	73.3	1001	-0.07	0	3
M32D	07/04/2022	0.1	0.1	20.4	79.4	963	-0.21	0	1
M32D	10/05/2022	0.1	0.1	19.9	79.9	993	0.03	0	0
M32D	15/06/2022	0.1	0.2	19.9	79.8	1000	-0.14	0	0
M33	10/05/2022	0	14.8	11.2	74	993	0.26	1	0
M34	10/05/2022	0	0.1	20	79.9	993	0.05	0	0
M34D	10/05/2022	0	2.8	16.1	81.1	994	1.38	0	0
M35	10/05/2022	0	0.2	20	79.8	994	0.03	0	0
M36	10/05/2022	0	0.1	20.2	79.7	994	0.09	0	0
M5	10/05/2022	1.3	17	7.6	74.1	993	0.07	0	0
M6	07/04/2022	11.2	13.9	14.9	60	962	-0.57	0	1
M6	10/05/2022	8.5	8.4	17	66.1	993	0.1	0	0
M6	15/06/2022	9	8.9	16.1	66	1000	-0.07	0	0
M6D	07/04/2022	20.5	49.5	2.6	27.4	963	-0.28	0	2
M6D	10/05/2022	22.2	49.6	1.8	26.4	993	-0.41	2	1
M6D	15/06/2022	21	46.8	3	29.2	1000	0.03	1	0
M7	10/05/2022	0	0.1	20.3	79.6	993	0.48	0	1
M7D	10/05/2022	0	2.7	18.4	78.9	994	0.05	1	0
M8	10/05/2022	0	4.4	19.1	76.5	994	0.09	1	1
M9	10/05/2022	0	0.7	19	80.3	993	1.53	0	0
M9D	10/05/2022	0	1.5	19	79.5	994	0.03	0	1

Stoney Hill Landfill Site
Onsite Gas Monitoring Data, April to June 2022

Sample Point	Date	Methane (%v/v)	Carbon Dioxide (%v/v)	Oxygen (%v/v)	Balance Gas (%v/v)	Barometric Pressure (mmHg)	Relative Pressure (mmHg)	Carbon Monoxide (ppm)	Hydrogen Sulfide (ppm)
GEW1	05/04/2022	31	12	9.8	47.2	988	23.58	0	2
GEW1	03/05/2022	24.8	8.5	10.4	56.3	1001	4.13	1	0
GEW1	01/06/2022	16.4	5.5	13.4	64.7	995	1.5	0	0
GEW2	05/04/2022	30.6	14.7	8.2	46.5	988	-31.69	0	6
GEW2	03/05/2022	52.8	23.2	4.7	19.3	1001	-40.81	1	13
GEW2	01/06/2022	23.8	10.8	11.8	53.6	995	-33.58	0	1
GEW3	05/04/2022	0.5	0.2	19.6	79.7	987	7.51	0	2
GEW3	03/05/2022	23.8	14.4	4.8	57	1001	1.17	0	0
GEW3	01/06/2022	0.9	0.4	19.3	79.4	995	0.1	0	0
GEW4	05/04/2022	38.5	19.9	7.2	34.4	989	-33.21	0	2
GEW4	03/05/2022	60	28.8	1.9	9.3	1001	-38.66	4	0
GEW4	01/06/2022	33.5	15.4	8.2	42.9	995	-32.33	2	0
GEW5	05/04/2022	0.1	0.1	19.9	79.9	988	-31.71	0	2
GEW5	03/05/2022	58.8	28.5	2.9	9.8	1000	-29.82	2	0
GEW5	01/06/2022	42.4	20.5	9.7	27.4	995	-29.39	1	0
GEW6	05/04/2022	36	19.9	8.7	35.4	988	-38.12	0	2
GEW6	03/05/2022	46.3	25	6.2	22.5	1001	-41.55	2	1
GEW6	01/06/2022	48.4	26.4	5.3	19.9	995	-39.59	2	1
IC107	05/04/2022	34.1	18.6	10	37.3	988	-5.33	0	1
IC107	03/05/2022	52.5	27.4	4.7	15.4	1001	-31.21	1	1
IC107	01/06/2022	65.9	32.8	0.9	0.4	996	-31.86	2	4
IC108	05/04/2022	14.1	9.3	13.5	63.1	988	-22.06	0	1
IC108	03/05/2022	11.4	6.3	16.4	65.9	1001	-45.66	0	0
IC108	01/06/2022	40.6	24.7	2.3	32.4	995	-34.82	1	0
IC109	05/04/2022	22.6	12	12	53.4	988	-35.78	0	1
IC109	03/05/2022	32.9	16.8	10	40.3	1001	-35.92	1	0
IC109	01/06/2022	38.6	20.8	7.9	32.7	996	-38.67	1	1
IC112	05/04/2022	37.3	18.2	9.2	35.3	988	-31	0	1
IC112	03/05/2022	53.3	24.9	5.6	16.2	1001	-37.81	0	0
IC112	01/06/2022	55	27.7	3.2	14.1	995	-26.36	1	2
IC113	05/04/2022	66.6	32.6	1	0	988	-8.62	0	1
IC113	03/05/2022	25.5	13.1	13.4	48	1001	-37.26	1	0
IC113	01/06/2022	61	29.9	1.4	7.7	995	-38.24	2	0
IC116	05/04/2022	3.8	1.9	19.5	74.8	988	-33.48	0	1
IC116	03/05/2022	20.3	10.3	13.5	55.9	1001	-43.32	0	0
IC116	01/06/2022	69.1	32.5	0.4	0	995	20.89	1	0
IC127	05/04/2022	23.4	10.9	11.2	54.5	987	0.09	0	1
IC127	03/05/2022	25.1	10.7	13.1	51.1	1001	0.31	2	0
IC127	01/06/2022	31.7	12	10.7	45.6	995	-0.03	3	0
IC128	05/04/2022	31.6	16.7	9.7	42	988	-27.46	0	1
IC128	03/05/2022	58.1	27.4	17.6	0	1001	-41.18	0	0
IC128	01/06/2022	60.6	29.7	2.4	7.3	995	-42.2	1	3
IC129	05/04/2022	0.2	5.1	17.2	77.5	988	10.04	0	1
IC129	03/05/2022	45.1	22.2	6.6	26.1	1001	-42.71	1	0
IC129	01/06/2022	50.1	25.9	3.8	20.2	995	-37.32	2	0
IC130	05/04/2022	35.6	17.6	10	36.8	988	-34.98	0	1
IC130	03/05/2022	40.8	19.9	8.3	31	1001	-43.57	0	0
IC130	01/06/2022	57	27.9	3.3	11.8	994	-31.25	2	0
IC133	05/04/2022	37.3	12.2	9.6	40.9	989	-27.57	0	1
IC133	03/05/2022	64.3	20.5	10.6	4.6	1002	3.9	0	1
IC133	01/06/2022	33.2	12.8	10.8	43.2	996	-30.69	0	1
IC14	05/04/2022	39.1	19.4	5.4	36.1	988	-36.47	0	2
IC14	03/05/2022	43.2	20.6	7.7	28.5	1000	-40.07	0	0
IC14	01/06/2022	33.8	15	9.3	41.9	995	-32.98	0	0
IC158	05/04/2022	27.7	7.6	11.9	52.8	989	-0.05	0	2
IC158	03/05/2022	32.1	8.7	11.3	47.9	1001	-0.14	1	0
IC158	01/06/2022	34.8	9.4	10.5	45.3	995	-0.17	3	0
IC159	05/04/2022	57.3	26.2	1.2	15.3	987	-33.05	0	2
IC159	03/05/2022	36.8	19.8	6.1	37.3	1001	-42.75	1	0
IC159	01/06/2022	20.9	12.7	10	56.4	995	-31.09	0	0
IC16	05/04/2022	19.8	4.2	13.2	62.8	988	0.05	0	2
IC16	03/05/2022	20.2	4.2	13.6	62	1000	-0.1	4	0
IC16	01/06/2022	19.8	3.5	13.5	63.2	995	-0.05	4	0
IC21	05/04/2022	39.3	15.9	5.1	39.7	988	-27.12	0	2
IC21	03/05/2022	68.7	30.2	1.2	0	1001	-29.97	1	1
IC21	01/06/2022	32.1	16	10.2	41.7	995	-37.52	0	1
IC44	05/04/2022	25.3	14.3	10.5	49.9	986	-36.71	0	1
IC44	03/05/2022	59.9	27.5	2.8	9.8	1001	-38.5	1	0
IC44	01/06/2022	58.2	28.4	3	10.4	996	-32.4	1	1
IC68	05/04/2022	0.2	0.1	19.7	80	988	-31.55	0	2
IC68	03/05/2022	63.6	14.9	3.8	17.7	1001	0.03	1	0
IC68	01/06/2022	68.5	14.1	4.9	12.5	994	-0.05	1	0
IC75	05/04/2022	16.3	7.5	15.3	60.9	988	-31	0	1
IC75	03/05/2022	17.5	10.5	13.3	58.7	1002	-43.66	0	0
IC75	01/06/2022	29.6	17.1	10	43.3	996	-32.14	1	0
IC77	05/04/2022	0.2	1.3	19.3	79.2	987	-0.31	0	1
IC77	03/05/2022	0.4	1.5	19.5	78.6	1001	0.07	3	0
IC77	01/06/2022	0.2	1.4	18.9	79.5	995	-0.05	4	0

Stoney Hill Landfill Site
Groundwater Analysis, April to June 2022

Sample Point	M5
Date	06/04/2022
zz Comments	Dry

Stoney Hill Landfill Site
Surface Water Analysis, April to June 2022

Sample Point	POND A	POND C
Date	06/04/2022	06/04/2022
Aluminium (mg/l)	0.01	0.06
Ammoniacal Nitrogen (mg/l)	0.1	0.3
COD (total) (mg/l)	57	30
Copper (ug/l)	<1	<1
Dissolved Methane (mg/l)	<0.02	<0.02
pH (pH Units)	7.4	7.1
Solids Suspended (mg/l)	26	<5
Sulphate (mg/l)	42	71
Sulphide (mg/l)	<0.02	<0.02
Visible Oil and Grease	Absent	Absent
Zinc (ug/l)	30	48

Stoney Hill Landfill Site
Leachate Dips, April to June 2022

Sample Point	Date	Dip to Leachate (m)	Dip to Base (m)
GEW1	05/04/2022	11.49	17.00
GEW1	03/05/2022	11.61	17.00
GEW1	01/06/2022	12.42	17.00
GEW2	05/04/2022	12.36	14.2
GEW2	03/05/2022	10.9	14.2
GEW2	01/06/2022	12.05	14..20
GEW3	05/04/2022	15.28	16.45
GEW3	03/05/2022	13.01	16.45
GEW3	01/06/2022	13.55	16.45
GEW4	05/04/2022	8.9	11
GEW4	03/05/2022	8.71	11
GEW4	01/06/2022	8.82	11
GEW5	05/04/2022	11.82	12.5
GEW5	03/05/2022	8.1	12.5
GEW5	01/06/2022	9.66	12.5
GEW6	05/04/2022	8.37	11.15
GEW6	03/05/2022	8.4	11.15
GEW6	01/06/2022	8.37	11.15
W1	05/04/2022	7.22	8.4
W1	03/05/2022	6.69	8.4
W1	01/06/2022	6.46	8.4
W11	05/04/2022	12.83	13.25
W11	03/05/2022	12.74	13.25
W11	01/06/2022	12.77	13.25
W13	05/04/2022	4.26	5.9
W13	03/05/2022	4.3	5.9
W13	01/06/2022	4.26	5.9
W14	05/04/2022	4.31	5.4
W14	03/05/2022	4.3	5.4
W14	01/06/2022	4.3	5.4
W15	05/04/2022	3.4	3.9
W15	03/05/2022	2.99	3.9
W15	01/06/2022	2.66	3.9
W17	05/04/2022	5	5.8
W17	03/05/2022	4.5	5.8
W17	01/06/2022	4.35	5.8
W19	05/04/2022	6.62	7.5
W19	03/05/2022	4.86	7.5
W19	01/06/2022	6.22	7.5
W1A	05/04/2022	8.67	10.9
W1A	03/05/2022	8.99	10.9
W1A	01/06/2022	4.8	10.9
W2	05/04/2022	5.72	7.62
W2	03/05/2022	5.92	7.7
W2	01/06/2022	5.72	7.7
W20	05/04/2022	10.7	11.5
W20	03/05/2022	8.4	11.5
W20	01/06/2022	9.66	11.5
W23	05/04/2022	6.3	7.4
W23	03/05/2022	6.3	7.4
W23	01/06/2022	5.2	7.4
W4	05/04/2022	8.39	11.4
W4	03/05/2022	7.96	11.4
W4	01/06/2022	7.3	11.4
W5	05/04/2022	7.42	8.25
W5	03/05/2022	7.8	8.25
W5	01/06/2022	7.77	8.25
W8	05/04/2022	5.6	6.2
W8	03/05/2022	3.6	6.2
W8	01/06/2022	12.05	14.2