

Kurnell Landfill Environmental Monitoring Locations

EPA ID No.	Monitoring Location	Easting	Northing
3	BH3A	331557.559	6233612.570
4	BH4A	331555.149	6233531.497
5	BH5A	331325.514	6233723.575
6	BH6A	331588.552	6233160.367
7	BH7A	331293.2	6233053.87
8	BH8A	331005.488	6233233.894
9	BH9C	331540.67	6233420.14
11	BH10A	331819.08	6233299.27
12	BH11A	331350.35	6233170.05
13	BH12A	331166.433	6233699.572
14	BH13A	331447.247	6233662.638
15	BH14	331997.150	6233370.046
16	BH15	332482.813	6233510.587
17	BH16	332149.279	6233032.038
18	BH17	331432.560	6233696.015
19	BH18	330761.63	6233399.46
26	BH19	331786.065	6233268.677
27	BH20	332200.120	6233439.830
28	BH22	332446.162	6233300.895
29	BH23	332254.027	6233075.673
30	BH24	331709.001	6232960.575
31	BH25	330974	6233693
1	LB02	331246	6233411

Kurnell Landfill Quarterly Ground Water Analytical Results - January 2021

Monitoring Location:			BH3A	BH4A	BH5A	BH6A	BH7A	BH8A	BH9C	BH10	BH11A	BH12A	BH13A
Sample Id:			BH3A	BH4A	BH5A	BH6A	BH7A	BH8A	BH9C	BH10B	BH11A	BH12A	BH13A
Laboratory Report Number:			260016	260016	260016	259920	259920	259920	259920	259920	259920	260016	260016
Laboratory:			EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab	EnviroLab
Date Sampled:			21/01/2021	21/01/2021	21 Jan 21	20 Jan 21	20 Jan 21	20 Jan 21	20 Jan 21	20/01/2020	20/01/2020	21/01/2021	21/01/2021
Parameters	PQL	Units	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter	4rd Quarter
			2020/2021	2020/2021	2020/2021	2020/2021	2020/2021	2020/2021	2020/2021	2020/2021	2020/2021	2020/2021	2020/2021
4,4-DDD	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan II	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
4,4-DDT	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin aldehyde	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Endosulfan sulphate	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methoxychlor	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos-ethyl	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos-methyl	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Diazinon	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethoate	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ethion	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fenitrothion	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Ronnel	0.2	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Naphthalene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Phenanthrene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoranthene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Pyrene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chrysene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)&(k)fluoranthene	2	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Indeno(1,2,3-cd)pyrene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibenz(a,h)anthracene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	1	µg/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	5	µg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Total Phenolics	0.05	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

NOTES:
 nt = Not Tested

Kurnell Landfill Quarterly Subsurface Gas Results - January 2021

EPA ID No.	Well ID	Initial well pressure above atmospheric (kPa)	Initial vent	Flow Rate L/hr	Initial well concentrations	Maximum vacuum on well (psi)	Recovery time (min)	Total volume purged (L)	Well concentrations following purging
					CH ₄				CH ₄
					(%)				(%)
20	BH4A	<0.1	Nil	<0.1	<0.1	-18	<1	30	<0.1
22	BH8B	<0.1	Nil	<0.1	<0.1	-18	<1	30	<0.1
23	BH12A	<0.1	Nil	<0.1	<0.1	-18	<1	30	<0.1
24	BH13A	<0.1	Nil	<0.1	<0.1	-18	<1	30	<0.1
25	BH18	<0.1	Nil	<0.1	<0.1	-18	<1	30	<0.1

BOLD Greater than the assessment criteria of 1.0 % CH₄