

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 | BH19B | 332003 | 6233379 |
| 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-February 2022

| Monitoring Location: | | | BH3A | BH4A | BH5A | BH6A | BH7A | BH8A | BH9C | BH10B | BH11A | BH12A | BH13A |
|---------------------------|------|-------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Sample Id: | | | BH3A | BH4A | BH5A | BH6A | BH7A | BH8A | BH9C | BH10B | BH11A | BH12A | BH13A |
| Laboratory Report Number: | | | 286896 | 287047 | 286896 | 287047 | 288739 | 287047 | 287365 | 286896 | 287047 | 286896 | 286896 |
| Laboratory: | | | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab | Envirolab |
| Date Sampled: | | | 18 Jan 22 | 20 Jan 22 | 18 Jan 22 | 20 Jan 22 | 14 Feb 22 | 20 Jan 22 | 25 Jan 22 | 18 Jan 22 | 20 Jan 22 | 18 Jan 22 | 18 Jan 22 |
| Parameters | PQL | Units | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter | 4th Quarter |
| | | | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 | 2021/2022 |
| Endrin | 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-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 | <1 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 | <2 |
| Indeno(1,2,3-cd)pyrene | 1 | µg/L | <1 | <2 | <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 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Total Phenolics | 0.05 | mg/L | <0.05 | <1 | <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 - 18 and 20 January 2022

| 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 | -2 | <1 | 24 | 0.1 |
| 22 | BH8B | <0.1 | Nil | <0.1 | <0.1 | -2 | <1 | 24 | <0.1 |
| 23 | BH12A | <0.1 | Nil | <0.1 | <0.1 | -2 | <1 | 10 | <0.1 |
| 24 | BH13A | <0.1 | Nil | 0.3 | <0.1 | No vehicle access | | | |
| 25 | BH18 | <0.1 | Nil | <0.1 | 0.1 | -2 | <1 | 14 | <0.1 |

BOLD Greater than the assessment criteria of 1.0 % CH₄