



Kyogle Landfill Facility Environmental Monitoring Data – 2025/26

64-78 Runnymede Road, Kyogle, NSW 2474

Environmental Protection Licence (EPL) number: 12124

Background

Under the *Protection of the Environment Operations Act 1997*, Kyogle Council must publish or make pollution monitoring data for the Kyogle Landfill Facility available to members of the public. This document summarises the pollution monitoring data for the Kyogle Landfill Facility for the 2024 – 2025 reporting period.

The Environment Protection Licence (EPL) for the Kyogle Landfill Facility outlines how and when pollution must be monitored and the pollution limits which should not be exceeded. A copy of the EPL for the Kyogle Landfill Facility is available from the NSW Environmental Protection Agency's Protection of the Environment Operations Public Register at <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers/about-prpoeo>.

Environmental Monitoring Data

Leachate

MONITORING POINT 1: Western Leachate Dam (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	Quarterly	487	464	514	514	464	494.75	514	No limit
Ammonia	Milligrams per litre	Quarterly	23.8	11.9	48.8	57.3	11.9	35.45	57.3	No limit
Arsenic	Milligrams per litre	Quarterly	<0.05	<0.05	<0.05	.004	.004	0.0385	0.05	No limit
Calcium	Milligrams per litre	Quarterly	58.5	37.3	33.2	514	33.2	160.75	514	No limit
Chloride	Milligrams per litre	Quarterly	157	231	268	264	157	230	268	No limit
Dissolved organic carbon	Milligrams per litre	Quarterly	64.4	79.8	58.6	51.5	51.5	63.575	79.8	No limit
Electrical Conductivity	Decisiemens per metre	Quarterly	1.25	1.45	1.55	1.74	1.25	1.498	1.74	No limit
Iron	Milligrams per litre	Quarterly	6.25	2.57	6.45	17.9	2.57	8.293	17.9	No limit
Magnesium	Milligrams per litre	Quarterly	22.2	28.7	21.9	20.7	20.7	23.375	28.7	No limit
Manganese	Milligrams per litre	Quarterly	0.423	0.328	1.17	1.33	0.328	0.813	1.33	No limit
Nitrate	Milligrams per litre	Quarterly	0.051	0.014	0.032	<0.005	.005	0.0255	0.051	No limit
Nitrite	Milligrams per litre	Quarterly	<0.005	0.024	0.047	0.011	.005	0.0218	0.047	No limit

MONITORING POINT 1: Western Leachate Dam (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Nitrogen - Total	Milligrams per litre	Quarterly	50.2	31.9	55.9	51.2	31.9	47.3	55.9	No limit
pH	pH	Quarterly	8.12	7.83	7.25	7.28	7.25	7.62	8.12	No limit
Potassium	Milligrams per litre	Quarterly	52.7	60.6	48.9	44.5	44.5	51.675	60.6	No limit
Sodium	Milligrams per litre	Quarterly	165	230	206	210	165	202.75	230	No limit
Sulphate	Milligrams per litre	Quarterly	10.2	16.0	<9	NT	9	11.73	16	No limit
Total petroleum hydrocarbons	Micrograms per litre	Quarterly	1900*	1200**	540***	510****	510	1037.5	1900	No limit

* result for TRHC15-C28. Other results include: TRHC10-C14 = 250 µg/L and TRHC29-C36 = 1600 µg/L

** result for TRHC15-C28. Other results include: TRHC10-C14 = 280 µg/L and TRHC29-C36 = 830 µg/L

*** result for TRHC15-C28. Other results include: TRHC10-C14 = 150 µg/L and TRHC29-C36 = 340 µg/L

**** result for TRHC15-C28. Other results include: TRHC10-C14 = 200 µg/L and TRHC29-C36 = <100 µg/L

MONITORING POINT 2: Eastern Leachate Dam (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	Quarterly	433	327	258	281	258	324.75	433	No limit
Ammonia	Milligrams per litre	Quarterly	51.8	25.2	2.96	11.6	2.96	22.89	51.8	No limit
Arsenic	Milligrams per litre	Quarterly	<0.05	<0.05	<0.05	0.003	0.003	0.038	0.05	No limit
Calcium	Milligrams per litre	Quarterly	41.0	35.1	28.2	27.7	27.7	33	41	No limit
Chloride	Milligrams per litre	Quarterly	238	281	262	222	222	250.75	281	No limit
Dissolved organic carbon	Milligrams per litre	Quarterly	45.8	36.7	38.0	26.7	26.7	36.8	45.8	No limit
Electrical conductivity	Decisiemens per metre	Quarterly	1.52	1.44	1.11	1.12	1.11	1.298	1.52	No limit
Iron	Milligrams per litre	Quarterly	5.68	3.29	5.45	17.9	3.29	8.08	17.9	No limit
Magnesium	Milligrams per litre	Quarterly	22.9	22.2	18.9	18	18	20.5	22.9	No limit
Manganese	Milligrams per litre	Quarterly	1.06	1.15	0.982	1.07	0.982	1.066	1.15	No limit
Nitrate	Milligrams per litre	Quarterly	3.75	1.07	0.01	0.026	0.01	1.214	3.75	No limit
Nitrite	Milligrams per litre	Quarterly	0.330	0.670	<0.005	0.013	0.005	0.255	0.67	No limit
Nitrogen - Total	Milligrams per litre	Quarterly	60.5	31.1	12.6	12.5	12.5	29.175	60.5	No limit
pH	pH	Quarterly	7.77	7.53	7.38	7.48	7.38	7.54	7.77	No limit
Potassium	Milligrams per litre	Quarterly	39.9	32.6	31.5	28.5	28.5	33.125	39.9	No limit
Sodium	Milligrams per litre	Quarterly	201	205	177	163	163	186.5	205	No limit
Sulphate	Milligrams per litre	Quarterly	15.1	13.9	<9	NT	9	12.667	15.1	No limit
Total petroleum hydrocarbons	Micrograms per litre	Quarterly	640*	580**	260***	190****	190	417.5	640	No limit

* result for TRHC15-C28. Other results include: TRHC10-C14 = 250 µg/L and TRHC29-C36 = 100 µg/L
 ** result for TRHC15-C28. Other results include: TRHC10-C14 = 170 µg/L and TRHC29-C36 = 130 µg/L
 *** result for TRHC15-C28. Other results include: TRHC10-C14 = 52 µg/L and TRHC29-C36 = 240 µg/L
 **** result for TRHC15-C28. Other results include: TRHC10-C14 = 64 µg/L and TRHC29-C36 = <100 µg/L

Ground water quality

Ground water monitoring is required to be conducted following the first 24 hour rainfall event exceeding 25 millimetres in each quarterly period. Monitoring results will be published below if monitoring was required during the quarter. If no monitoring results are published below it means that a rainfall event exceeding 25mm in 24 hours did not occur during the quarter.

	July 2025	October 2025	January 2026	April 2026
No. of events during quarter	0	1	2	0
Date of first event	N/A	8/12/25	13/2/26	N/A

MONITORING POINT 4: GW1A (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit
pH	pH		-	-	-	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 5: GW2A (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit
pH	pH		-	-	-	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 5: GW2A (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
MONITORING POINT 8: GW3A (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit
pH	pH		-	-	-	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 10: BH3 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit
pH	pH		-	-	-	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 11: BH4 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 11: BH4 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
pH	pH	occurs (see above)	-	-	-	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 12: BH5 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit
pH	pH		-	-	-	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

MONITORING POINT 13: BH6 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	40	<1	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	3.84	2.37	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	125	141	-	-	-	-	No limit
pH	pH		-	4.36	4.20	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	52	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	620	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	200	-	-	-	-	No limit

MONITORING POINT 14: BH7 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	604	634	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	26.3	6.53	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	50.5	19.7	-	-	-	-	No limit
pH	pH		-	6.77	6.57	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	150	120	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	570	380	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	<100	<100	-	-	-	-	No limit

Surface water quality

Surface water monitoring is required to be conducted following the first 24hour rainfall event exceeding 25 millimetres in each quarterly period. Monitoring results will be published below if monitoring was required during the quarter. If no monitoring results are published below it means that a rainfall event exceeding 25mm in 24 hours did not occur during the quarter.

	July 2025	October 2025	January 2026	April 2026
No. of events during quarter	0	1	2	0
Date of first event	N/A	8/12/25	13/2/26	N/A

MONITORING POINT 15: SW001 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	-	16	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	0.054	-	-	-	-	No limit
Arsenic	Milligrams per litre		-	-	<0.001	-	-	-	-	No limit
Calcium	Milligrams per litre		-	-	3.90	-	-	-	-	No limit
Chloride	Milligrams per litre		-	-	<10	-	-	-	-	No limit
Dissolved organic carbon	Milligrams per litre		-	-	16.3	-	-	-	-	No limit
Electrical conductivity	Decisiemens per metre		-	-	1.24	-	-	-	-	No limit
Iron	Milligrams per litre		-	-	1.02	-	-	-	-	No limit
Magnesium	Milligrams per litre		-	-	2.13	-	-	-	-	No limit
Manganese	Milligrams per litre		-	-	0.060	-	-	-	-	No limit

MONITORING POINT 15: SW001 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Nitrate	Milligrams per litre		-	-	1.07	-	-	-	-	No limit
Nitrite	Milligrams per litre		-	-	0.01	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	2.40	-	-	-	-	No limit
pH	pH		-	-	6.48	-	-	-	-	No limit
Potassium	Milligrams per litre		-	-	5.10	-	-	-	-	No limit
Sodium	Milligrams per litre		-	-	4.42	-	-	-	-	No limit
Suspended solids	Milligrams per litre		-	-	8	-	-	-	-	No limit
Total petroleum hydrocarbons	Micrograms per litre		-	-	120*	-	-	-	-	No limit

* result for TRHC15-C28. Other results include: TRHC10-C14 = <50 µg/L and TRHC29-C36 = <100 µg/L

MONITORING POINT 16: SW002 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	292	54	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	0.152	0.074	-	-	-	-	No limit
Arsenic	Milligrams per litre		-	0.008	0.001	-	-	-	-	No limit
Calcium	Milligrams per litre		-	64.5	12.4	-	-	-	-	No limit
Chloride	Milligrams per litre		-	122	38.4	-	-	-	-	No limit
Dissolved organic carbon	Milligrams per litre		-	21.4	17.3	-	-	-	-	No limit
Electrical conductivity	Decisiemens per metre		-	0.989	0.069	-	-	-	-	No limit
Iron	Milligrams per litre		-	92.9	0.710	-	-	-	-	No limit
Magnesium	Milligrams per litre		-	22.5	6.61	-	-	-	-	No limit
Manganese	Milligrams per litre		-	2.26	0.024	-	-	-	-	No limit
Nitrate	Milligrams per litre		-	0.01	0.025	-	-	-	-	No limit
Nitrite	Milligrams per litre		-	<0.005	<0.005	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	7.42	1.57	-	-	-	-	No limit
pH	pH		-	7.31	6.73	-	-	-	-	No limit
Potassium	Milligrams per litre		-	21.1	13.5	-	-	-	-	No limit
Sodium	Milligrams per litre		-	107	32.7	-	-	-	-	No limit
Suspended solids	Milligrams per litre		-	573	57	-	-	-	-	No limit
Total petroleum hydrocarbons	Micrograms per litre		-	<100*	<100**	-	-	-	-	No limit

* result for TRHC15-C28. Other results include: TRHC10-C14 = 50 µg/L and TRHC29-C36 = <100 µg/L

** result for TRHC15-C28. Other results include: TRHC10-C14 = <50 µg/L and TRHC29-C36 = <100 µg/L

MONITORING POINT 17: SW003 (see map for location)										
Pollutant	Unit of measure	Required monitoring frequency	Quarterly results				Summary results			Pollution limit
			July 2025	October 2025	January 2026	April 2026	Min value	Mean value	Max value	
Alkalinity	Milligrams per litre	When threshold event occurs (see above)	-	127	27	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	0.076	0.051	-	-	-	-	No limit
Arsenic	Milligrams per litre		-	0.012	0.001	-	-	-	-	No limit
Calcium	Milligrams per litre		-	17.0	6.65	-	-	-	-	No limit
Chloride	Milligrams per litre		-	<10	<10	-	-	-	-	No limit
Dissolved organic carbon	Milligrams per litre		-	19.7	10.3	-	-	-	-	No limit
Electrical conductivity	Decisiemens per metre		-	0.211	0.278	-	-	-	-	No limit
Iron	Milligrams per litre		-	47.4	0.636	-	-	-	-	No limit
Magnesium	Milligrams per litre		-	9.14	2.50	-	-	-	-	No limit
Manganese	Milligrams per litre		-	1.92	0.017	-	-	-	-	No limit
Nitrate	Milligrams per litre		-	<0.005	0.803	-	-	-	-	No limit
Nitrite	Milligrams per litre		-	<0.005	0.026	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	2.70	2.04	-	-	-	-	No limit
pH	pH		-	7.05	6.62	-	-	-	-	No limit
Potassium	Milligrams per litre		-	9.01	3.76	-	-	-	-	No limit
Sodium	Milligrams per litre		-	14.8	6.22	-	-	-	-	No limit
Suspended solids	Milligrams per litre		-	248	20	-	-	-	-	No limit
Total petroleum hydrocarbons	Micrograms per litre		-	110*	<100	-	-	-	-	No limit

* result for TRHC29-C36. Other results include: TRHC10-C14 = <50 µg/L and TRHC15-C28 = <100 µg/L

** result for TRHC29-C36. Other results include: TRHC10-C14 = <50 µg/L and TRHC15-C28 = <100 µg/L

Stormwater discharge

Stormwater monitoring is required to be conducted following the first discharge event of each quarter arising from a rainfall event of less than 60 millimetres in total falling over a consecutive 5 day period. Monitoring results will be published below if monitoring was required during the quarter. If no monitoring results are published below it means that a discharge event did not occur after the above described rainfall event during the quarter.

	July 2025	October 2025	January 2026	April 2026
No. of events during quarter	0	0	-	0
Date of first event	N/A	N/A	-	N/A

Sampling data

Leachate

Key milestones	Quarterly sample			
	July 2025	October 2025	January 2026	April 2026
Date testing conducted	23/7/25	22/10/25	28/1/26	29/4/26
Date data obtained	1/8/25	11/11/25	9/2/26	7/5/2026
Date data published	14/8/25	17/11/25	16/2/26	26/5/26

Ground water

Key milestones	Quarterly sample			
	July 2025	October 2025	January 2026	April 2026
Date testing conducted	N/A	11/12/25	13/2/26	N/A
Date data obtained	N/A	5/1/26	26/2/26	N/A
Date data published	N/A	12/1/26	16/3/26	N/A

Surface water

Key milestones	Quarterly sample			
	July 2025	October 2025	January 2026	April 2026
Date testing conducted	N/A	11/12/25	13/2/26	N/A
Date data obtained	N/A	5/1/26	26/2/26	N/A
Date data published	N/A	12/1/26	16/3/26	N/A

Stormwater

Key milestones	Quarterly sample			
	July 2025	October 2025	January 2026	April 2026
Date testing conducted	N/A	N/A	N/A	N/A
Date data obtained	N/A	N/A	N/A	N/A
Date data published	N/A	N/A	N/A	N/A

Kyogle Landfill Facility Monitoring Points (from Appendix 6 of Kyogle Landfill Environmental Management Plan)

