



## 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					No limit
Ammonia	Milligrams per litre	Quarterly	23.8	11.9	48.8					No limit
Arsenic	Milligrams per litre	Quarterly	<0.05	<0.05	<0.05					No limit
Calcium	Milligrams per litre	Quarterly	58.5	37.3	33.2					No limit
Chloride	Milligrams per litre	Quarterly	157	231	268					No limit
Dissolved organic carbon	Milligrams per litre	Quarterly	64.4	79.8	58.6					No limit
Electrical Conductivity	Decisiemens per metre	Quarterly	1.25	1.45	1.55					No limit
Iron	Milligrams per litre	Quarterly	6.25	2.57	6.45					No limit
Magnesium	Milligrams per litre	Quarterly	22.2	28.7	21.9					No limit
Manganese	Milligrams per litre	Quarterly	0.423	0.328	1.17					No limit
Nitrate	Milligrams per litre	Quarterly	0.051	0.014	0.032					No limit
Nitrite	Milligrams per litre	Quarterly	<0.005	0.024	0.047					No limit

MONITORING POINT 1: Western Leachte 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					No limit
pH	pH	Quarterly	8.12	7.83	7.25					No limit
Potassium	Milligrams per litre	Quarterly	52.7	60.6	48.9					No limit
Sodium	Milligrams per litre	Quarterly	165	230	206					No limit
Sulphate	Milligrams per litre	Quarterly	10.2	16.0	<9					No limit
Total petroleum hydrocarbons	Micrograms per litre	Quarterly	1900*	1200**	540***					No limit

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

\*\* Is 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

MONITORING POINT 2: Eastern Leachte 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					No limit
Ammonia	Milligrams per litre	Quarterly	51.8	25.2	2.96					No limit
Arsenic	Milligrams per litre	Quarterly	<0.05	<0.05	<0.05					No limit
Calcium	Milligrams per litre	Quarterly	41.0	35.1	28.2					No limit
Chloride	Milligrams per litre	Quarterly	238	281	262					No limit
Dissolved organic carbon	Milligrams per litre	Quarterly	45.8	36.7	38.0					No limit
Electrical conductivity	Decisiemens per metre	Quarterly	1.52	1.44	1.11					No limit
Iron	Milligrams per litre	Quarterly	5.68	3.29	5.45					No limit
Magnesium	Milligrams per litre	Quarterly	22.9	22.2	18.9					No limit
Manganese	Milligrams per litre	Quarterly	1.06	1.15	0.982					No limit
Nitrate	Milligrams per litre	Quarterly	3.75	1.07	0.01					No limit
Nitrite	Milligrams per litre	Quarterly	0.330	0.670	<0.005					No limit
Nitrogen - Total	Milligrams per litre	Quarterly	60.5	31.1	12.6					No limit
pH	pH	Quarterly	7.77	7.53	7.38					No limit
Potassium	Milligrams per litre	Quarterly	39.9	32.6	31.5					No limit
Sodium	Milligrams per litre	Quarterly	201	205	177					No limit
Sulphate	Milligrams per litre	Quarterly	15.1	13.9	<9					No limit
Total petroleum hydrocarbons	Micrograms per litre	Quarterly	640*	580**	260***					No limit

\*Is result for TRHC15-C28. Other results include: TRHC10-C14 = 250 µg/L and TRHC29-C36 = 100 µg/L

\*\* Is result for TRHC15-C28. Other results include: TRHC10-C14 = 170 µg/L and TRHC29-C36 = 130 µg/L

\*\*\* Is result for TRHC15-C28. Other results include: TRHC10-C14 = 52 µg/L and TRHC29-C36 = 240 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
<b>No. of events during quarter</b>	0	0	1	
<b>Date of first event</b>	N/A	N/A	8/12/25	

<b>MONITORING POINT 4: GW1A (see map for location)</b>										
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

<b>MONITORING POINT 5: GW2A (see map for location)</b>										
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 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 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

<b>MONITORING POINT 12: BH5 (see map for location)</b>										
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

<b>MONITORING POINT 13: BH6 (see map for location)</b>										
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	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	3.84	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	125	-	-	-	-	No limit
pH	pH		-	-	4.36	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC15-C28	Micrograms per litre		-	-	-	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	-	-	-	-	-	No limit

<b>MONITORING POINT 14: BH7 (see map for location)</b>										
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	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	26.3	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	50.5	-	-	-	-	No limit
pH	pH		-	-	6.77	-	-	-	-	No limit
TRHC10-C14	Micrograms per litre		-	-	150	-	-	-	-	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	
TRHC15-C28	Micrograms per litre		-	-	570	-	-	-	-	No limit
TRHC29-C36	Micrograms per litre		-	-	<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	0	1	
Date of first event	N/A	N/A	8/12/25	

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)	-	-	-	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	-	-	-	-	-	No limit
Arsenic	Milligrams per litre		-	-	-	-	-	-	-	No limit
Calcium	Milligrams per litre		-	-	-	-	-	-	-	No limit
Chloride	Milligrams per litre		-	-	-	-	-	-	-	No limit
Dissolved organic carbon	Milligrams per litre		-	-	-	-	-	-	-	No limit
Electrical conductivity	Decisiemens per metre		-	-	-	-	-	-	-	No limit
Iron	Milligrams per litre		-	-	-	-	-	-	-	No limit
Magnesium	Milligrams per litre		-	-	-	-	-	-	-	No limit
Manganese	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrate	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrite	Milligrams per litre		-	-	-	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	-	-	-	-	-	No limit
pH	pH		-	-	-	-	-	-	-	No limit
Potassium	Milligrams per litre	-	-	-	-	-	-	-	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	
Sodium	Milligrams per litre		-	-	-	-	-	-	-	No limit
Suspended solids	Milligrams per litre		-	-	-	-	-	-	-	No limit
Total petroleum hydrocarbons	Micrograms per litre		-	-	-	-	-	-	-	No limit

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	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	0.152	-	-	-	-	No limit
Arsenic	Milligrams per litre		-	-	0.008	-	-	-	-	No limit
Calcium	Milligrams per litre		-	-	64.5	-	-	-	-	No limit
Chloride	Milligrams per litre		-	-	122	-	-	-	-	No limit
Dissolved organic carbon	Milligrams per litre		-	-	21.4	-	-	-	-	No limit
Electrical conductivity	Decisiemens per metre		-	-	0.989	-	-	-	-	No limit
Iron	Milligrams per litre		-	-	92.9	-	-	-	-	No limit
Magnesium	Milligrams per litre		-	-	22.5	-	-	-	-	No limit
Manganese	Milligrams per litre		-	-	2.26	-	-	-	-	No limit
Nitrate	Milligrams per litre		-	-	0.01	-	-	-	-	No limit
Nitrite	Milligrams per litre		-	-	<0.005	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	7.42	-	-	-	-	No limit
pH	pH		-	-	7.31	-	-	-	-	No limit
Potassium	Milligrams per litre		-	-	21.1	-	-	-	-	No limit
Sodium	Milligrams per litre	-	-	107	-	-	-	-	No limit	
Suspended solids	Milligrams per litre	-	-	573	-	-	-	-	No limit	
Total petroleum hydrocarbons	Micrograms per litre	-	-	<100*	-	-	-	-	No limit	

\*Is 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	-	-	-	-	No limit
Ammonia	Milligrams per litre		-	-	0.076	-	-	-	-	No limit
Arsenic	Milligrams per litre		-	-	0.012	-	-	-	-	No limit
Calcium	Milligrams per litre		-	-	17.0	-	-	-	-	No limit
Chloride	Milligrams per litre		-	-	<10	-	-	-	-	No limit
Dissolved organic carbon	Milligrams per litre		-	-	19.7	-	-	-	-	No limit
Electrical conductivity	Decisiemens per metre		-	-	0.211	-	-	-	-	No limit
Iron	Milligrams per litre		-	-	47.4	-	-	-	-	No limit
Magnesium	Milligrams per litre		-	-	9.14	-	-	-	-	No limit
Manganese	Milligrams per litre		-	-	1.92	-	-	-	-	No limit
Nitrate	Milligrams per litre		-	-	<0.005	-	-	-	-	No limit
Nitrite	Milligrams per litre		-	-	<0.005	-	-	-	-	No limit
Nitrogen	Milligrams per litre		-	-	2.70	-	-	-	-	No limit
pH	pH		-	-	7.05	-	-	-	-	No limit
Potassium	Milligrams per litre		-	-	9.01	-	-	-	-	No limit
Sodium	Milligrams per litre		-	-	14.8	-	-	-	-	No limit
Suspended solids	Milligrams per litre	-	-	248	-	-	-	-	No limit	
Total petroleum hydrocarbons	Micrograms per litre	-	-	110*	-	-	-	-	No limit	

\*Is 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
<b>No. of events during quarter</b>	0	0	-	
<b>Date of first event</b>	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	
Date data obtained	1/8/25	11/11/25	9/2/26	
Date data published	14/8/25	17/11/25	16/2/26	

### Ground water

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

### Surface water

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

