

KOOTINGAL LANDFILL - YEARLY SUMMARY FOR 2025/2026

Licence Number - 6013

Kootingal Solid Waste Landfill - New England Highway, Kootingal NSW, 2352 Licencee - Tamworth Regional Council

Public Register <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers>

LICENCE PERIOD: 17th Oct 2025 - 16th Oct 2026

PQL = Practical Quantitation Limit LOR = Limit of Reporting

N/A = not applicable

Point 1 - Surface Area

Concentration Limits: Point 1: TSS (Total Suspended Solids) - 50mg/L, 100 percentile concentration limit

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Value	Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Special Frequency 1				
Calcium	mg/L	Special Frequency 1				
Chloride	mg/L	Special Frequency 1				
Chromium (Hexavalent)	mg/L	Special Frequency 1				
Conductivity (in situ)	µS/cm	Special Frequency 1				
Dissolved Oxygen (in situ)	mg/L	Special Frequency 1				
Fluoride	mg/L	Special Frequency 1				
Iron	mg/L	Special Frequency 1				
Magnesium	mg/L	Special Frequency 1				
Manganese	mg/L	Special Frequency 1				
Nitrate	mg/L	Special Frequency 1				
Nitrite	mg/L	Special Frequency 1				
Nitrogen (ammonia)	mg/L	Special Frequency 1				
pH (in situ)	pH Units	Special Frequency 1				
Potassium	mg/L	Special Frequency 1				
Sodium	mg/L	Special Frequency 1				
Sulfate	mg/L	Special Frequency 1				
Temperature (in situ)	oC	Special Frequency 1				
Total Kjeldahl Nitrogen	mg/L	Special Frequency 1				
Total Organic Carbon	mg/L	Special Frequency 1				
Total Phenolics	µg/L	Special Frequency 1				
Total Suspended Solids	mg/L	Special Frequency 1				
Volumetric Flow Rate	KL/Day	Special Frequency 1				
Zinc	mg/L	Special Frequency 1				
Organochlorine Pesticides	µg/L	Special Frequency 1				
Organophosphate Pesticides	µg/L	Special Frequency 1				

NOTE: Special Frequency 1 - once in each 6-monthly period at a time of stormwater discharge

Point 2 - Leachate Pond

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Value	Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Quarterly				
Calcium	mg/L	Quarterly				
Chloride	mg/L	Quarterly				
Chromium (Hexavalent)	mg/L	Quarterly				
Conductivity (in situ)	µS/cm	Quarterly				
Dissolved Oxygen (in situ)	mg/L	Quarterly				
Fluoride	mg/L	Quarterly				
Iron	mg/L	Quarterly				
Magnesium	mg/L	Quarterly				
Manganese	mg/L	Quarterly				
Nitrate	mg/L	Quarterly				
Nitrite	mg/L	Quarterly				
Nitrogen (ammonia)	mg/L	Quarterly				
pH (in situ)	pH Units	Quarterly				
Potassium	mg/L	Quarterly				
Sodium	mg/L	Quarterly				
Sulfate	mg/L	Quarterly				
Temperature (in situ)	oC	Quarterly				
Total Kjeldahl Nitrogen	mg/L	Quarterly				
Total Organic Carbon	mg/L	Quarterly				
Total Phenolics	µg/L	Quarterly				

Total Suspended Solids	mg/L	Quarterly				
Zinc	mg/L	Quarterly				
Organochlorine Pesticides	µg/L	Quarterly				
Organophosphate Pesticides	µg/L	Quarterly				

Point 3 - Leachate Overflow Point

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			Value	Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Special Frequency 2				
Calcium	mg/L	Special Frequency 2				
Chloride	mg/L	Special Frequency 2				
Chromium (Hexavalent)	mg/L	Special Frequency 2				
Conductivity (In Situ)	µS/cm	Special Frequency 2				
Dissolved Oxygen (In Situ)	mg/L	Special Frequency 2				
Fluoride	mg/L	Special Frequency 2				
Iron	mg/L	Special Frequency 2				
Magnesium	mg/L	Special Frequency 2				
Manganese	mg/L	Special Frequency 2				
Nitrate	mg/L	Special Frequency 2				
Nitrite	mg/L	Special Frequency 2				
Nitrogen (ammonia)	mg/L	Special Frequency 2				
pH (In Situ)	pH Units	Special Frequency 2				
Potassium	mg/L	Special Frequency 2				
Sodium	mg/L	Special Frequency 2				
Sulfate	mg/L	Special Frequency 2				
Temperature (In Situ)	°C	Special Frequency 2				
Total Kjeldahl Nitrogen	mg/L	Special Frequency 2				
Total Organic Carbon	mg/L	Special Frequency 2				
Total Phenolics	µg/L	Special Frequency 2				
Total Suspended Solids	mg/L	Special Frequency 2				
Volumetric Flow Rate (estimate)	KL/Day	Special Frequency 2				
Zinc	mg/L	Special Frequency 2				
Organochlorine Pesticides	µg/L	Special Frequency 2				
Organophosphate Pesticides	µg/L	Special Frequency 2				

NOTE: Special Frequency 2 - once in the first 24 hours after detection of the discharge and then weekly whilst the discharge continues

Point 4 - Groundwater Monitoring Bore - BH1

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			22.10.2025			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
Alkalinity (as calcium carbonate)	mg/L	Quarterly	329			
Biological Oxygen Demand	mg/L	Quarterly	<2			
Calcium	mg/L	Quarterly	120			
Chloride	mg/L	Quarterly	115			
Fluoride	mg/L	Quarterly	0.9			
Iron	mg/L	Quarterly	0.32			
Magnesium	mg/L	Quarterly	87			
Manganese	mg/L	Quarterly	0.646			
Nitrate	mg/L	Quarterly	50.64			
Nitrogen (ammonia)	mg/L	Quarterly	<0.1			
pH (In Situ)	pH Units	Quarterly	6.7			
Potassium	mg/L	Quarterly	16			
Sodium	mg/L	Quarterly	80			
Sulfate	mg/L	Quarterly	97			
Total Dissolved Solids	mg/L	Quarterly	1028			
Total Organic Carbon	mg/L	Quarterly	33			
Total Phenolics	µg/L	Quarterly	<0.050			
Organochlorine Pesticides	µg/L	Yearly	NA			
Organophosphate Pesticides	µg/L	Yearly	NA			

Point 5 - Groundwater Bore BH2

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			22.10.2025			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained

			04.11.2025			
			Value	Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Quarterly	621			
Biological Oxygen Demand	mg/L	Quarterly	<2			
Calcium	mg/L	Quarterly	123			
Chloride	mg/L	Quarterly	117			
Fluoride	mg/L	Quarterly	1.23			
Iron	mg/L	Quarterly	0.1			
Magnesium	mg/L	Quarterly	85			
Manganese	mg/L	Quarterly	3.19			
Nitrate	mg/L	Quarterly	9.13			
Nitrogen (ammonia)	mg/L	Quarterly	<0.1			
pH (In Situ)	pH Units	Quarterly	7			
Potassium	mg/L	Quarterly	10			
Sodium	mg/L	Quarterly	196			
Sulfate	mg/L	Quarterly	195			
Total Dissolved Solids	mg/L	Quarterly	1,244			
Total Organic Carbon	mg/L	Quarterly	6			
Total Phenolics	µg/L	Quarterly	<0.050			
Organochlorine Pesticides	µg/L	Yearly	NA			
Organophosphate Pesticides	µg/L	Yearly	NA			

Point 6 - Groundwater Bore BH3

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			22.10.2025			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			04.11.2025			
			Value	Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Quarterly	455			
Biological Oxygen Demand	mg/L	Quarterly	<2			
Calcium	mg/L	Quarterly	74			
Chloride	mg/L	Quarterly	36			
Fluoride	mg/L	Quarterly	1.03			
Iron	mg/L	Quarterly	0.23			
Magnesium	mg/L	Quarterly	46			
Manganese	mg/L	Quarterly	0.72			
Nitrate	mg/L	Quarterly	<1.0			
Nitrogen (ammonia)	mg/L	Quarterly	<0.1			
pH (In Situ)	pH Units	Quarterly	7.1			
Potassium	mg/L	Quarterly	8			
Sodium	mg/L	Quarterly	94			
Sulfate	mg/L	Quarterly	25			
Total Dissolved Solids	mg/L	Quarterly	576			
Total Organic Carbon	mg/L	Quarterly	6			
Total Phenolics	µg/L	Quarterly	<0.050			
Organochlorine Pesticides	µg/L	Yearly	NA			
Organophosphate Pesticides	µg/L	Yearly	NA			

Point 7 - Groundwater Bore BH4

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			22.10.2025			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			04.11.2025			
			Value	Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Quarterly	DRY			
Biological Oxygen Demand	mg/L	Quarterly	DRY			
Calcium	mg/L	Quarterly	DRY			
Chloride	mg/L	Quarterly	DRY			
Fluoride	mg/L	Quarterly	DRY			
Iron	mg/L	Quarterly	DRY			
Magnesium	mg/L	Quarterly	DRY			
Manganese	mg/L	Quarterly	DRY			
Nitrate	mg/L	Quarterly	DRY			
Nitrogen (ammonia)	mg/L	Quarterly	DRY			
pH (In Situ)	pH Units	Quarterly	DRY			
Potassium	mg/L	Quarterly	DRY			
Sodium	mg/L	Quarterly	DRY			
Sulfate	mg/L	Quarterly	DRY			
Total Dissolved Solids	mg/L	Quarterly	DRY			

Total Organic Carbon	mg/L	Quarterly	DRY			
Total Phenolics	µg/L	Quarterly	DRY			
Organochlorine Pesticides	µg/L	Yearly	DRY			
Organophosphate Pesticides	µg/L	Yearly	DRY			