

FOREST ROAD LANDFILL - YEARLY SUMMARY FOR 2025/2026

Licence Number - 5921

Forest Road Landfill - Forest Road, Tamworth NSW 2340 Licencee - Tamworth Regional Council
Public Register <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers>

LICENCE PERIOD: 25th Sept 2025 - 24th Sept 2026

PQL = Practical Quantitation Limit
LOR = Limit of Reporting

DISCHARGE AND MONITORING POINT 1 - Surface Water Dam Overflow adjacent to Forest Road and Landfill access road intersection
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 Data Obtained	Date Data Obtained
			Value	Value
			Alkalinity	mg/L
Biological Oxygen Demand	mg/L	Special Frequency 1		
Calcium	mg/L	Special Frequency 1		
Chloride	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		
Nitrogen (Ammonia)	mg/L	Special Frequency 1		
Oil and Grease	mg/L	Special Frequency 1		
pH	pH Units	Special Frequency 1		
Potassium	mg/L	Special Frequency 1		
Sodium	mg/L	Special Frequency 1		
Sulfate	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 (estimate)	KL/Day	Special Frequency 1		

NOTE: Special Frequency 1 - collection of samples once in each 3-monthly period at a time of stormwater discharge from Point 1 and on each occasion that discharge from Point 1 incorporates leachate overflow from Point 17

MONITORING POINT 2 - Surface Water Dam

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2025	05.03.2026		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11.12.2025	17.03.2026		
Value	Value	Value	Value			
Alkalinity	mg/L	Quarterly	127	116		
Biological Oxygen Demand	mg/L	Quarterly	17	17		
Calcium	mg/L	Quarterly	57	51		
Chloride	mg/L	Quarterly	303	341		
Fluoride	mg/L	Quarterly	0.43	< 1		
Iron	mg/L	Quarterly	2.39	1.6		
Magnesium	mg/L	Quarterly	32	30		
Manganese	mg/L	Quarterly	0.411	1.270		
Nitrate	mg/L	Quarterly	5.25	< 1		
Nitrite	mg/L	Quarterly	0.67	< 1		
Nitrogen (Ammonia)	mg/L	Quarterly	3.5	0.30		
Oil and Grease	mg/L	Quarterly	< 5	< 5		
pH	pH Units	Quarterly	7	6.8		
Potassium	mg/L	Quarterly	44	36		
Sodium	mg/L	Quarterly	165	174		
Sulfate	mg/L	Quarterly	38	30		
Total Organic Carbon	mg/L	Quarterly	29	34		
Total Phenolics	µg/L	Quarterly	< 0.050	< 0.050		
Total Suspended Solids	mg/L	Quarterly	89	154		

MONITORING POINT 3 -Instream water - Spring Creek above overflow from surface water dam

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled
			Date Data Obtained	Date Data Obtained
Value	Value			
Alkalinity (as Calcium Carbonate)	mg/L	Special Frequency 1		
Biological Oxygen Demand	mg/L	Special Frequency 1		
Calcium	mg/L	Special Frequency 1		
Chloride	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		
Nitrogen (Ammonia)	mg/L	Special Frequency 1		
pH	pH Units	Special Frequency 1		
Potassium	mg/L	Special Frequency 1		
Sodium	mg/L	Special Frequency 1		
Sulfate	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		

NOTE: Special Frequency 1 - collection of samples once in each 3-monthly period at a time of stormwater discharge from Point 1 and on each occasion that discharge from Point 1 incorporates leachate overflow from Point 17

MONITORING POINT 4 -Instream water - Spring Creek below overflow from surface water dam

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled
			Date Data Obtained	Date Data Obtained
Value	Value			
Alkalinity (as Calcium Carbonate)	mg/L	Special Frequency 1		
Biological Oxygen Demand	mg/L	Special Frequency 1		
Calcium	mg/L	Special Frequency 1		
Chloride	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		
Nitrogen (Ammonia)	mg/L	Special Frequency 1		
pH	pH Units	Special Frequency 1		
Potassium	mg/L	Special Frequency 1		
Sodium	mg/L	Special Frequency 1		
Sulphate	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		

NOTE: Special Frequency 1 - collection of samples once in each 3-monthly period at a time of stormwater discharge from Point 1 and on each occasion that discharge from Point 1 incorporates leachate overflow from Point 17

MONITORING POINT 5 - Northern Leachate Pond

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2025	05.03.2026		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11.12.2025	05.03.2026		
Value	Value	Value	Value			
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	798	DRY		
Biological Oxygen Demand	mg/L	Quarterly	8	DRY		
Calcium	mg/L	Quarterly	124	DRY		
Chloride	mg/L	Quarterly	1072	DRY		
Fluoride	mg/L	Quarterly	< 5	DRY		
Iron	mg/L	Quarterly	0.33	DRY		
Magnesium	mg/L	Quarterly	108	DRY		
Manganese	mg/L	Quarterly	1,690	DRY		
Nitrate	mg/L	Quarterly	< 5	DRY		
Nitrogen (Ammonia)	mg/L	Quarterly	< 0.1	DRY		
Oil and Grease	mg/L	Quarterly	< 5	DRY		
pH	pH Units	Quarterly	7.9	DRY		
Potassium	mg/L	Quarterly	67	DRY		
Sodium	mg/L	Quarterly	747	DRY		
Sulphate	mg/L	Quarterly	91	DRY		
Total Organic Carbon	mg/L	Quarterly	102	DRY		
Total Phenolics	µg/L	Quarterly	< 0.050	DRY		
Total Suspended Solids	mg/L	Quarterly	16	DRY		
Volatile Organic Compounds	mg/L	Quarterly	<50	DRY		
Organochlorine Pesticides	µg/L	Quarterly	<0.010	DRY		
Organophosphate Pesticides	µg/L	Quarterly	<0.010	DRY		

MONITORING POINT 6 - Southern Leachate Pond

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2025	05.03.2026		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11.12.2025	05.03.2026		
Value	Value	Value	Value			
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	DRY	DRY		
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY		
Calcium	mg/L	Quarterly	DRY	DRY		
Chloride	mg/L	Quarterly	DRY	DRY		
Fluoride	mg/L	Quarterly	DRY	DRY		
Iron	mg/L	Quarterly	DRY	DRY		
Magnesium	mg/L	Quarterly	DRY	DRY		
Manganese	mg/L	Quarterly	DRY	DRY		
Nitrate	mg/L	Quarterly	DRY	DRY		
Nitrogen (Ammonia)	mg/L	Quarterly	DRY	DRY		
Oil and Grease	mg/L	Quarterly	DRY	DRY		
pH	pH Units	Quarterly	DRY	DRY		
Potassium	mg/L	Quarterly	DRY	DRY		
Sodium	mg/L	Quarterly	DRY	DRY		
Sulphate	mg/L	Quarterly	DRY	DRY		
Total Organic Carbon	mg/L	Quarterly	DRY	DRY		
Total Phenolics	µg/L	Quarterly	DRY	DRY		
Total Suspended Solids	mg/L	Quarterly	DRY	DRY		
Volatile Organic Compounds	mg/L	Quarterly	DRY	DRY		
Organochlorine Pesticides	µg/L	Quarterly	DRY	DRY		
Organophosphate Pesticides	µg/L	Quarterly	DRY	DRY		

DISCHARGE AND MONITORING POINT 7 -Leachate overflow from southern leachate retention pond

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled
			Date Data Obtained
			Value
Alkalinity (as calcium carbonate)	mg/L	Special Frequency 2	
Biological Oxygen Demand	mg/L	Special Frequency 2	
Calcium	mg/L	Special Frequency 2	
Chloride	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	
Nitrogen (ammonia)	mg/L	Special Frequency 2	
pH	pH Units	Special Frequency 2	
Potassium	mg/L	Special Frequency 2	
Sodium	mg/L	Special Frequency 2	
Sulfate	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	
Volatile Organic Compounds	mg/L	Special Frequency 2	
Volumetric Flow Rate	KL/Day	Special Frequency 2	
Organochlorine Pesticides	µg/L	Special Frequency 2	
Organophosphate Pesticides	µg/L	Special Frequency 2	

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

MONITORING POINT 8 - Groundwater Bore (FRMB03 - GW17)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			05.03.2026			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			17.03.2026			
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY			
Electrical Conductivity	µS/cm	Quarterly	DRY			
Calcium	mg/L	Quarterly	DRY			
Magnesium	mg/L	Quarterly	DRY			
Sodium	mg/L	Quarterly	DRY			
Potassium	mg/L	Quarterly	DRY			
Sulfate	mg/L	Quarterly	DRY			
Chloride	mg/L	Quarterly	DRY			
Fluoride	mg/L	Quarterly	DRY			
Ammonia	mg/L	Quarterly	DRY			
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY			
Total Phosphorus	mg/L	Quarterly	DRY			
Soluble Phosphorus	mg/L	Quarterly	DRY			
Biological Oxygen Demand	mg/L	Quarterly	DRY			
Total Organic Carbon	mg/L	Quarterly	DRY			
Dissolved Organic Carbon	mg/L	Yearly	DRY			
Iron (Dissolved)	mg/L	Quarterly	DRY			
Aluminium	mg/L	Yearly	DRY			
Arsenic	mg/L	Yearly	DRY			
Copper	mg/L	Yearly	DRY			
Cadmium	mg/L	Yearly	DRY			
Iron (Total)	mg/L	Yearly	DRY			
Manganese	mg/L	Yearly	DRY			
Mercury	mg/L	Yearly	DRY			
Lead	mg/L	Yearly	DRY			
Nickel	mg/L	Yearly	DRY			
Zinc	mg/L	Yearly	DRY			
Oil and Grease	mg/L	Quarterly	DRY			
Total Phenols	µg/L	Yearly	DRY			
Organochlorine Pesticides	µg/L	Yearly	DRY			
Organophosphate Pesticides	µg/L	Yearly	DRY			

MONITORING POINT 9 - Groundwater Bore (FRMB04 - GW10)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			05.03.2026			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			17.03.2026			
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY			
Electrical Conductivity	µS/cm	Quarterly	DRY			
Calcium	mg/L	Quarterly	DRY			
Magnesium	mg/L	Quarterly	DRY			
Sodium	mg/L	Quarterly	DRY			
Potassium	mg/L	Quarterly	DRY			
Sulfate	mg/L	Quarterly	DRY			
Chloride	mg/L	Quarterly	DRY			
Fluoride	mg/L	Quarterly	DRY			
Ammonia	mg/L	Quarterly	DRY			
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY			
Total Phosphorus	mg/L	Quarterly	DRY			
Soluble Phosphorus	mg/L	Quarterly	DRY			
Biological Oxygen Demand	mg/L	Quarterly	DRY			
Total Organic Carbon	mg/L	Quarterly	DRY			
Dissolved Organic Carbon	mg/L	Yearly	DRY			
Iron (Dissolved)	mg/L	Quarterly	DRY			
Aluminium	mg/L	Yearly	DRY			
Arsenic	mg/L	Yearly	DRY			
Copper	mg/L	Yearly	DRY			
Cadmium	mg/L	Yearly	DRY			
Iron (Total)	mg/L	Yearly	DRY			
Manganese	mg/L	Yearly	DRY			
Mercury	mg/L	Yearly	DRY			
Lead	mg/L	Yearly	DRY			
Nickel	mg/L	Yearly	DRY			
Zinc	mg/L	Yearly	DRY			
Oil and Grease	mg/L	Quarterly	DRY			
Total Phenols	µg/L	Yearly	DRY			
Organochlorine Pesticides	µg/L	Yearly	DRY			
Organophosphate Pesticides	µg/L	Yearly	DRY			

MONITORING POINT 18 - Groundwater Bore (FRMB07 - GW14)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			4/12/2025			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			15/12/2025			
			Value	Value	Value	Value
pH	pH Value	Quarterly	7.2			
Electrical Conductivity	µS/cm	Quarterly	1.1			
Calcium	mg/L	Quarterly	101			
Magnesium	mg/L	Quarterly	11			
Sodium	mg/L	Quarterly	74			
Potassium	mg/L	Quarterly	7			
Sulfate	mg/L	Quarterly	30			
Chloride	mg/L	Quarterly	75			
Fluoride	mg/L	Quarterly	< 1			
Ammonia	mg/L	Quarterly	< 0.1			
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	4.22			
Total Phosphorus	mg/L	Quarterly	0.16			
Soluble Phosphorus	mg/L	Quarterly	0.13			
Biological Oxygen Demand	mg/L	Quarterly	5			
Total Organic Carbon	mg/L	Quarterly	6			
Dissolved Organic Carbon	mg/L	Yearly	6			
Iron (Dissolved)	mg/L	Quarterly	< 0.05			
Aluminium	mg/L	Yearly	0.2			
Arsenic	mg/L	Yearly	< 0.001			
Copper	mg/L	Yearly	0.008			
Cadmium	mg/L	Yearly	0.0001			
Iron (Total)	mg/L	Yearly	0.35			
Manganese	mg/L	Yearly	0.073			
Mercury	mg/L	Yearly	< 0.0001			
Lead	mg/L	Yearly	0.002			
Nickel	mg/L	Yearly	0.007			
Zinc	mg/L	Yearly	0.817			
Oil and Grease	mg/L	Quarterly	< 5			
Total Phenols	µg/L	Yearly	< 0.050			
Organochlorine Pesticides	µg/L	Yearly	< 0.10			
Organophosphate Pesticides	µg/L	Yearly	< 0.10			

MONITORING POINT 19 - Groundwater Bore (FRMB09 - GW15)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			4/12/2025			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			15/12/2025			
			Value		Value	Value
pH	pH Value	Quarterly	7			
Electrical Conductivity	µS/cm	Quarterly	2.2			
Calcium	mg/L	Quarterly	225			
Magnesium	mg/L	Quarterly	80			
Sodium	mg/L	Quarterly	125			
Potassium	mg/L	Quarterly	9			
Sulfate	mg/L	Quarterly	95			
Chloride	mg/L	Quarterly	327			
Fluoride	mg/L	Quarterly	< 1			
Ammonia	mg/L	Quarterly	4.1			
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	16.87			
Total Phosphorus	mg/L	Quarterly	1.87			
Soluble Phosphorus	mg/L	Quarterly	1.61			
Biological Oxygen Demand	mg/L	Quarterly	15			
Total Organic Carbon	mg/L	Quarterly	10			
Dissolved Organic Carbon	mg/L	Yearly	9			
Iron (Dissolved)	mg/L	Quarterly	< 0.05			
Aluminium	mg/L	Yearly	0.12			
Arsenic	mg/L	Yearly	< 0.001			
Copper	mg/L	Yearly	0.011			
Cadmium	mg/L	Yearly	0.0002			
Iron (Total)	mg/L	Yearly	0.25			
Manganese	mg/L	Yearly	0.395			
Mercury	mg/L	Yearly	< 0.0001			
Lead	mg/L	Yearly	0.001			
Nickel	mg/L	Yearly	0.023			
Zinc	mg/L	Yearly	0.894			
Oil and Grease	mg/L	Quarterly	< 5			
Total Phenols	µg/L	Yearly	< 0.050			
Organochlorine Pesticides	µg/L	Yearly	< 0.010			
Organophosphate Pesticides	µg/L	Yearly	< 0.010			

MONITORING POINT 20 - Groundwater Bore (FRMB02-GW16)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			05.03.2026			
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			17.03.2026			
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY			
Electrical Conductivity	µS/cm	Quarterly	DRY			
Calcium	mg/L	Quarterly	DRY			
Magnesium	mg/L	Quarterly	DRY			
Sodium	mg/L	Quarterly	DRY			
Potassium	mg/L	Quarterly	DRY			
Sulfate	mg/L	Quarterly	DRY			
Chloride	mg/L	Quarterly	DRY			
Fluoride	mg/L	Quarterly	DRY			
Ammonia	mg/L	Quarterly	DRY			
Total Nitrogen	mg/L	Quarterly	DRY			
Total Phosphorus	mg/L	Quarterly	DRY			
Soluble Phosphorus	mg/L	Quarterly	DRY			
Biological Oxygen Demand	mg/L	Quarterly	DRY			
Total Organic Carbon	mg/L	Quarterly	DRY			
Dissolved Organic Carbon	mg/L	Yearly	DRY			
Iron (Dissolved)	mg/L	Quarterly	DRY			
Aluminium	mg/L	Yearly	DRY			
Arsenic	mg/L	Yearly	DRY			
Copper	mg/L	Yearly	DRY			
Cadmium	mg/L	Yearly	DRY			
Iron (Total)	mg/L	Yearly	DRY			
Manganese	mg/L	Yearly	DRY			
Mercury	mg/L	Yearly	DRY			
Lead	mg/L	Yearly	DRY			
Nickel	mg/L	Yearly	DRY			
Zinc	mg/L	Yearly	DRY			
Oil and Grease	mg/L	Quarterly	DRY			
Total Phenols	µg/L	Yearly	DRY			
Organochlorine Pesticides	µg/L	Yearly	DRY			
Organophosphate Pesticides	µg/L	Yearly	DRY			

MONITORING POINT 13 - Methane (Capped area)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2025	19.03.2026		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			02.12.2025	19.03.2026		
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05		

MONITORING POINT 15 - Methane (G8)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2025	19.03.2026		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			02.12.2025	19.03.2026		
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05		

MONITORING POINT 16 - Methane (G9)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			26.11.2025	19.03.2026		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			02.12.2025	19.03.2026		
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05		