

FOREST ROAD COMPOST FACILITY - YEARLY SUMMARY FOR 2021/22

Licence Number - 12673

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:

10th Apr 2023 - 9th April 2024

PQL = Practical Quantitation Limit

LOR = Limit of Reporting

POINT 1 - Leachate Pond Spillway

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled
			6/09/2023		
			Date Data Obtained	Date Data Obtained	Date Data Obtained
			19/09/2023		
			Value	Value	Value
Alkalinity (as calcium carbonate)	mg/L	Special Frequency 1	< 1		
Biological Oxygen Demand	mg/L	Special Frequency 1	1865		
Calcium	mg/L	Special Frequency 1	287		
Chloride	mg/L	Special Frequency 1	0		
Fluoride	mg/L	Special Frequency 1	0.3		
Iron	mg/L	Special Frequency 1	27		
Magnesium	mg/L	Special Frequency 1	144		
Manganese	mg/L	Special Frequency 1	4.22		
Nitrate	mg/L	Special Frequency 1	< 1.0		
Nitrogen (ammonia)	mg/L	Special Frequency 1	694		
pH	pH Units	Special Frequency 1	8.1		
Potassium	mg/L	Special Frequency 1	2240		
Sodium	mg/L	Special Frequency 1	562		
Sulfate	mg/L	Special Frequency 1	< 100		
Total Organic Carbon	mg/L	Special Frequency 1	40		
Total Phenolics	µg/L	Special Frequency 1	< 5.0		
Total Suspended Solids	mg/L	Special Frequency 1	140		
Volatile Organic Compounds	mg/L	Special Frequency 1	< 5		
Volumetric Flow Rate	KL/Day	Special Frequency 1	NR		
Organochlorine Pesticides	µg/L	Special Frequency 1	< 0.5		
Organophosphate Pesticides	µg/L	Special Frequency 1	< 0.5		

NOTE: Special Frequency 1 - collection of samples once in the first 24 hours after detection of discharge and then weekly whilst the discharge continues

POINT 2 -Groundwater Bore (CF-GW18, FRMB08)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/06/2023	28/09/2023	29/11/2023	6/03/2024
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11/07/2023	10/10/2023	8/12/2023	6/03/2024
			Value	Value	Value	Value
pH	pH Value	Quarterly	7.0	7.4	7.7	7.4
Total Dissolved Solids	mg/L	Quarterly	1068	1048	144	1052
Calcium	mg/L	Quarterly	123	121	176	121
Magnesium	mg/L	Quarterly	58	59	84	64
Sodium	mg/L	Quarterly	194	196	245	208
Potassium	mg/L	Quarterly	< 5	< 5	< 1	2
Sulphate	mg/L	Quarterly	187	170	251	183
Chloride	mg/L	Quarterly	189	173	319	194
Fluoride	mg/L	Quarterly	0.66	0.64	1.02	0.62
Alkalinity (as calcium carbonate)	mg/L	Yearly	NA	NA	571	NA
Nitrogen (Ammonia)	mg/L	Quarterly	< 0.1	< 0.5	< 0.1	< 0.10
Nitrate	mg/L	Quarterly	1.24	1.6	4.06	0.59
Biological Oxygen Demand	mg/L	Quarterly	< 2	< 2	< 2	< 2
Total Organic Carbon	mg/L	Quarterly	3	5	2	4
Iron (Total)	mg/L	Quarterly	0.05	< 0.05	0.08	0.18
Manganese	mg/L	Quarterly	0.316	0.004	0.096	0.280
Faecal Coliforms	CFU/100m L	Quarterly	≈5	< 1	< 1	~ 2
Total Phenols	µg/L	Yearly	NA	NA	< 5	NA
Volatile Organic Compounds	mg/L	Yearly	NA	NA	< 5	NA
Organochlorine Pesticides	µg/L	Yearly	NA	NA	< 5	NA
Organophosphate Pesticides	µg/L	Yearly	NA	NA	< 5	NA