

FOREST ROAD COMPOST FACILITY - YEARLY SUMMARY FOR 2020/21

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 2020 - 9th Apr 2021

PQL = Practical Quantitation Limit

LOR = Limit of Reporting

POINT 1 - Leachate Pond Spillway

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled
			No overflow
			Date Data Obtained
			No overflow
			Value
Alkalinity (as calcium carbonate)	mg/L	Special Frequency 1	N/A
Biological Oxygen Demand	mg/L	Special Frequency 1	N/A
Calcium	mg/L	Special Frequency 1	N/A
Chloride	mg/L	Special Frequency 1	N/A
Fluoride	mg/L	Special Frequency 1	N/A
Iron	mg/L	Special Frequency 1	N/A
Magnesium	mg/L	Special Frequency 1	N/A
Manganese	mg/L	Special Frequency 1	N/A
Nitrate	mg/L	Special Frequency 1	N/A
Nitrogen (ammonia)	mg/L	Special Frequency 1	N/A
pH	pH Units	Special Frequency 1	N/A
Potassium	mg/L	Special Frequency 1	N/A
Sodium	mg/L	Special Frequency 1	N/A
Sulfate	mg/L	Special Frequency 1	N/A
Total Organic Carbon	mg/L	Special Frequency 1	N/A
Total Phenolics	µg/L	Special Frequency 1	N/A
Total Suspended Solids	mg/L	Special Frequency 1	N/A
Volatile Organic Compounds	mg/L	Special Frequency 1	N/A
Volumetric Flow Rate	KL/Day	Special Frequency 1	N/A
Organochlorine Pesticides	µg/L	Special Frequency 1	N/A
Organophosphate Pesticides	µg/L	Special Frequency 1	N/A

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)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			3/06/2020	2/09/2020	3/12/2020	3/03/2021
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			18/06/2020	11/09/2020	16/12/2020	11/03/2021
			Value	Value	Value	Value
pH	pH Value	Quarterly	7.1	7.5	7.5	7.6
Total Dissolved Solids	mg/L	Quarterly	1208	1080	1164	1136
Calcium	mg/L	Quarterly	150	154	143	152
Magnesium	mg/L	Quarterly	67	66	61	65
Sodium	mg/L	Quarterly	190	188	185	201
Potassium	mg/L	Quarterly	<1	1	1	1
Sulphate	mg/L	Quarterly	241	243	205	199
Chloride	mg/L	Quarterly	159	157	162	152
Fluoride	mg/L	Quarterly	0.52	0.65	0.56	0.57
Alkalinity (as calcium carbonate)	mg/L	Yearly	N/A	N/A	608	N/A
Nitrogen (Ammonia)	mg/L	Quarterly	0.02	<0.1	0.08	<0.01
Nitrate	mg/L	Quarterly	0.42	<0.1	0.01	<0.01
Biological Oxygen Demand	mg/L	Quarterly	6	<2	<2	<2
Total Organic Carbon	mg/L	Quarterly	<1	<1	<1	<1
Iron (Total)	mg/L	Quarterly	0.17	1.43	0.49	1.10
Manganese	mg/L	Quarterly	0.204	0.291	0.288	0.361
Faecal Coliforms	CFU/100mL	Quarterly	19	3	<1	2
Total Phenols	µg/L	Yearly	N/A	N/A	<50	N/A
Volatile Organic Compounds	mg/L	Yearly	N/A	N/A	<PQL	N/A
Organochlorine Pesticides	µg/L	Yearly	N/A	N/A	<LOR	N/A
Organophosphate Pesticides	µg/L	Yearly	N/A	N/A	<LOR	N/A