

FOREST ROAD LANDFILL - YEARLY SUMMARY FOR 2021/22

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 2024 - 24th Sept 2025

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
			03.08.2025	23.08.2025
			Date Data Obtained	Date Data Obtained
			11.08.2025	23.08.2025
			Value	Value
Alkalinity	mg/L	Special Frequency 1	208	174
Biological Oxygen Demand	mg/L	Special Frequency 1	16	6
Calcium	mg/L	Special Frequency 1	72	63
Chloride	mg/L	Special Frequency 1	116	160
Fluoride	mg/L	Special Frequency 1	0.40	0.31
Iron	mg/L	Special Frequency 1	3.08	1.2
Magnesium	mg/L	Special Frequency 1	19	16
Manganese	mg/L	Special Frequency 1	0.311	0.179
Nitrate	mg/L	Special Frequency 1	1.63	3.74
Nitrogen (Ammonia)	mg/L	Special Frequency 1	7.00	5
Oil and Grease	mg/L	Special Frequency 1	< 5	<5
pH	pH Units	Special Frequency 1	7.8	6.1
Potassium	mg/L	Special Frequency 1	18	18
Sodium	mg/L	Special Frequency 1	85	69
Sulfate	mg/L	Special Frequency 1	44	46
Total Organic Carbon	mg/L	Special Frequency 1	26	16
Total Phenolics	µg/L	Special Frequency 1	< 0.050	<0.050
Total Suspended Solids	mg/L	Special Frequency 1	87	11
Volumetric Flow Rate (estimate)	KL/Day	Special Frequency 1	~ 1300	NR

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
			09.10.2024	12.12.2024	13.03.2025	24.06.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			22.10.2024	23.12.2024	20.03.2025	03.07.2025
			Value	Value	Value	Value
Alkalinity	mg/L	Quarterly	179	144	108	174
Biological Oxygen Demand	mg/L	Quarterly	6	21	15	8
Calcium	mg/L	Quarterly	86	86	121	69
Chloride	mg/L	Quarterly	149	256	261	116
Fluoride	mg/L	Quarterly	1.30	0.40	< 0.050	<0.5
Iron	mg/L	Quarterly	1.7	0.9	1.0	3.18
Magnesium	mg/L	Quarterly	19	29	33	20
Manganese	mg/L	Quarterly	0.205	0.333	1.540	0.312
Nitrate	mg/L	Quarterly	5.33	2.69	<2	3.75
Nitrite	mg/L	Quarterly	0.88	0.50	0.2	0.5
Nitrogen (Ammonia)	mg/L	Quarterly	3.02	< 1	< 1	0.972
Oil and Grease	mg/L	Quarterly	< 5	< 5	< 5	< 5
pH	pH Units	Quarterly	8.2	8.2	7.2	7.7
Potassium	mg/L	Quarterly	40	53	50	22
Sodium	mg/L	Quarterly	131	163	193	103
Sulfate	mg/L	Quarterly	113	158	277	58
Total Organic Carbon	mg/L	Quarterly	34	45	36	15
Total Phenolics	µg/L	Quarterly	< 0.05	< 0.050	< 0.050	< 0.05
Total Suspended Solids	mg/L	Quarterly	13	24	61	109

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

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled
			03.08.2025	23.08.2025
			Date Data Obtained	Date Data Obtained
			11.08.2025	23.08.2025
			Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Special Frequency 1	204	231
Biological Oxygen Demand	mg/L	Special Frequency 1	< 2	3
Calcium	mg/L	Special Frequency 1	48	65
Chloride	mg/L	Special Frequency 1	31	81
Fluoride	mg/L	Special Frequency 1	0.57	0.33
Iron	mg/L	Special Frequency 1	0.64	0.44
Magnesium	mg/L	Special Frequency 1	25	27
Manganese	mg/L	Special Frequency 1	0.008	0.028
Nitrate	mg/L	Special Frequency 1	0.46	1.82
Nitrogen (Ammonia)	mg/L	Special Frequency 1	< 0.1	1.80
pH	pH Units	Special Frequency 1	8.3	7.8
Potassium	mg/L	Special Frequency 1	2	8
Sodium	mg/L	Special Frequency 1	60	77
Sulfate	mg/L	Special Frequency 1	56	64
Total Organic Carbon	mg/L	Special Frequency 1	8	10
Total Phenolics	µg/L	Special Frequency 1	< 0.050	< 0.050
Total Suspended Solids	mg/L	Special Frequency 1	4	6
Volumetric Flow Rate	KL/Day	Special Frequency 1	NR	NR

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
			03.08.2025	23.08.2025
			Date Data Obtained	Date Data Obtained
			11.08.2025	23.08.2025
			Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Special Frequency 1	211	231
Biological Oxygen Demand	mg/L	Special Frequency 1	< 2	3
Calcium	mg/L	Special Frequency 1	52	64
Chloride	mg/L	Special Frequency 1	42	81
Fluoride	mg/L	Special Frequency 1	0.56	0.35
Iron	mg/L	Special Frequency 1	0.58	0.40
Magnesium	mg/L	Special Frequency 1	25	26
Manganese	mg/L	Special Frequency 1	0.011	0.290
Nitrate	mg/L	Special Frequency 1	0.63	2.14
Nitrogen (Ammonia)	mg/L	Special Frequency 1	0.20	1.90
pH	pH Units	Special Frequency 1	8.1	7.8
Potassium	mg/L	Special Frequency 1	4	8
Sodium	mg/L	Special Frequency 1	68	77
Sulphate	mg/L	Special Frequency 1	60	64
Total Organic Carbon	mg/L	Special Frequency 1	8	10
Total Phenolics	µg/L	Special Frequency 1	< 0.050	< 0.050
Total Suspended Solids	mg/L	Special Frequency 1	5	5
Volumetric Flow Rate	KL/Day	Special Frequency 1	NR	NR

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
			18.12.2024	13.03.2025	24.06.2025	18/09/2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			19.12.2024	17.03.2025	03.07.2025	24/09/2025
			Value	Value	Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	DRY	DRY	555	570
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	7	5
Calcium	mg/L	Quarterly	DRY	DRY	162	165
Chloride	mg/L	Quarterly	DRY	DRY	613	683
Fluoride	mg/L	Quarterly	DRY	DRY	<0.5	<1
Iron	mg/L	Quarterly	DRY	DRY	<0.05	<0.05
Magnesium	mg/L	Quarterly	DRY	DRY	75	76
Manganese	mg/L	Quarterly	DRY	DRY	0.023	0.042
Nitrate	mg/L	Quarterly	DRY	DRY	42.71	40.48
Nitrogen (Ammonia)	mg/L	Quarterly	DRY	DRY	9.33	1.7
Oil and Grease	mg/L	Quarterly	DRY	DRY	<5	<5
pH	pH Units	Quarterly	DRY	DRY	7.4	8.3
Potassium	mg/L	Quarterly	DRY	DRY	61	55
Sodium	mg/L	Quarterly	DRY	DRY	470	430
Sulphate	mg/L	Quarterly	DRY	DRY	152	110
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	50	47
Total Phenolics	µg/L	Quarterly	DRY	DRY	<1.0	<0.050
Total Suspended Solids	mg/L	Quarterly	DRY	DRY	4	2
Volatile Organic Compounds	mg/L	Quarterly	DRY	DRY	<5	<5
Organochlorine Pesticides	µg/L	Quarterly	DRY	DRY	<0.010	<0.010
Organophosphate Pesticides	µg/L	Quarterly	DRY	DRY	<0.010	<0.010

MONITORING POINT 6 - Southern Leachate Pond

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			18.12.2024	13.03.2025	01.07.2025	18/09/2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			19.12.2024	17.03.2025	09.07.2025	24/09/2025
			Value	Value	Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	DRY	DRY	457	423
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	2	4
Calcium	mg/L	Quarterly	DRY	DRY	78	43
Chloride	mg/L	Quarterly	DRY	DRY	630	756
Fluoride	mg/L	Quarterly	DRY	DRY	<0.5	<1
Iron	mg/L	Quarterly	DRY	DRY	0.37	0.84
Magnesium	mg/L	Quarterly	DRY	DRY	64	67
Manganese	mg/L	Quarterly	DRY	DRY	0.108	0.652
Nitrate	mg/L	Quarterly	DRY	DRY	<0.5	<1
Nitrogen (Ammonia)	mg/L	Quarterly	DRY	DRY	<1	<0.1
Oil and Grease	mg/L	Quarterly	DRY	DRY	<5	<5
pH	pH Units	Quarterly	DRY	DRY	8.2	7.8
Potassium	mg/L	Quarterly	DRY	DRY	33	43
Sodium	mg/L	Quarterly	DRY	DRY	304	493
Sulphate	mg/L	Quarterly	DRY	DRY	90	155
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	29	45
Total Phenolics	µg/L	Quarterly	DRY	DRY	<0.050	<0.050
Total Suspended Solids	mg/L	Quarterly	DRY	DRY	19	44
Volatile Organic Compounds	mg/L	Quarterly	DRY	DRY	29	<50
Organochlorine Pesticides	µg/L	Quarterly	DRY	DRY	<0.010	<0.010
Organophosphate Pesticides	µg/L	Quarterly	DRY	DRY	<0.010	<0.010

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
			12.12.2024	13.03.2025	24.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13.12.2024	17.03.2025	03.07.2025	30.09.2025
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	DRY	DRY	DRY
Electrical Conductivity	µS/cm	Quarterly	DRY	DRY	DRY	DRY
Calcium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Sodium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Potassium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Sulfate	mg/L	Quarterly	DRY	DRY	DRY	DRY
Chloride	mg/L	Quarterly	DRY	DRY	DRY	DRY
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	DRY
Ammonia	mg/L	Quarterly	DRY	DRY	DRY	DRY
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	DRY
Soluble Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	DRY
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	DRY
Dissolved Organic Carbon	mg/L	Yearly	DRY	DRY	DRY	DRY
Iron (Dissolved)	mg/L	Quarterly	DRY	DRY	DRY	DRY
Aluminium	mg/L	Yearly	DRY	DRY	DRY	DRY
Arsenic	mg/L	Yearly	DRY	DRY	DRY	DRY
Copper	mg/L	Yearly	DRY	DRY	DRY	DRY
Cadmium	mg/L	Yearly	DRY	DRY	DRY	DRY
Iron (Total)	mg/L	Yearly	DRY	DRY	DRY	DRY
Manganese	mg/L	Yearly	DRY	DRY	DRY	DRY
Mercury	mg/L	Yearly	DRY	DRY	DRY	DRY
Lead	mg/L	Yearly	DRY	DRY	DRY	DRY
Nickel	mg/L	Yearly	DRY	DRY	DRY	DRY
Zinc	mg/L	Yearly	DRY	DRY	DRY	DRY
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Phenols	µg/L	Yearly	DRY	DRY	DRY	DRY
Organochlorine Pesticides	µg/L	Yearly	DRY	DRY	DRY	DRY
Organophosphate Pesticides	µg/L	Yearly	DRY	DRY	DRY	DRY

MONITORING POINT 9 - Groundwater Bore (FRMB04 - GW10)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			12.12.2024	13.03.2025	24.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13.12.2024	17.03.2025	03.07.2025	30.09.2025
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	DRY	DRY	DRY
Electrical Conductivity	µS/cm	Quarterly	DRY	DRY	DRY	DRY
Calcium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Sodium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Potassium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Sulfate	mg/L	Quarterly	DRY	DRY	DRY	DRY
Chloride	mg/L	Quarterly	DRY	DRY	DRY	DRY
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	DRY
Ammonia	mg/L	Quarterly	DRY	DRY	DRY	DRY
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	DRY
Soluble Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	DRY
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	DRY
Dissolved Organic Carbon	mg/L	Yearly	DRY	DRY	DRY	DRY
Iron (Dissolved)	mg/L	Quarterly	DRY	DRY	DRY	DRY
Aluminium	mg/L	Yearly	DRY	DRY	DRY	DRY
Arsenic	mg/L	Yearly	DRY	DRY	DRY	DRY
Copper	mg/L	Yearly	DRY	DRY	DRY	DRY
Cadmium	mg/L	Yearly	DRY	DRY	DRY	DRY
Iron (Total)	mg/L	Yearly	DRY	DRY	DRY	DRY
Manganese	mg/L	Yearly	DRY	DRY	DRY	DRY
Mercury	mg/L	Yearly	DRY	DRY	DRY	DRY
Lead	mg/L	Yearly	DRY	DRY	DRY	DRY
Nickel	mg/L	Yearly	DRY	DRY	DRY	DRY
Zinc	mg/L	Yearly	DRY	DRY	DRY	DRY
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Phenols	µg/L	Yearly	DRY	DRY	DRY	DRY
Organochlorine Pesticides	µg/L	Yearly	DRY	DRY	DRY	DRY
Organophosphate Pesticides	µg/L	Yearly	DRY	DRY	DRY	DRY

MONITORING POINT 18 - Groundwater Bore (FRMB07 - GW14)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			19.12.2024	20.03.2025	26.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			30.01.2025	01.04.2025	22.07.2025	30.09.2025
			Value	Value	Value	Value
pH	pH Value	Quarterly	6.6	7	6.7	7.1
Electrical Conductivity	µS/cm	Quarterly	1.1	1.1	0.85	0.65
Calcium	mg/L	Quarterly	83	83	52	90
Magnesium	mg/L	Quarterly	14	15	11	9
Sodium	mg/L	Quarterly	56	70	48	53
Potassium	mg/L	Quarterly	16	<10	< 10	7
Sulfate	mg/L	Quarterly	28	30	29	29
Chloride	mg/L	Quarterly	32	83	69	74
Fluoride	mg/L	Quarterly	< 1	<1	< 1	< 1
Ammonia	mg/L	Quarterly	< 1	<1	< 1	< 0.1
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	4.77	3.96	5.15	4.74
Total Phosphorus	mg/L	Quarterly	0.14	0.19	0.16	0.18
Soluble Phosphorus	mg/L	Quarterly	0.08	0.06	0.14	0.18
Biological Oxygen Demand	mg/L	Quarterly	< 2	< 2	< 2	< 2
Total Organic Carbon	mg/L	Quarterly	8	6	7	6
Dissolved Organic Carbon	mg/L	Yearly	7	NA	NA	NA
Iron (Dissolved)	mg/L	Quarterly	0.12	<0.05	< 0.05	< 0.05
Aluminium	mg/L	Yearly	0.93	NA	NA	NA
Arsenic	mg/L	Yearly	0.001	NA	NA	NA
Copper	mg/L	Yearly	0.016	NA	NA	NA
Cadmium	mg/L	Yearly	0.0001	NA	NA	NA
Iron (Total)	mg/L	Yearly	1.34	NA	NA	NA
Manganese	mg/L	Yearly	0.13	NA	NA	NA
Mercury	mg/L	Yearly	< 0.0001	NA	NA	NA
Lead	mg/L	Yearly	0.006	NA	NA	NA
Nickel	mg/L	Yearly	0.009	NA	NA	NA
Zinc	mg/L	Yearly	1.28	NA	NA	NA
Oil and Grease	mg/L	Quarterly	< 5	<5	<5	<5
Total Phenols	µg/L	Yearly	< 0.05	NA	NA	NA
Organochlorine Pesticides	µg/L	Yearly	< 0.01	NA	NA	NA
Organophosphate Pesticides	µg/L	Yearly	< 0.01	NA	NA	NA

MONITORING POINT 19 - Groundwater Bore (FRMB09 - GW15)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			10.10.2024	20.03.2025	26.06.2025	18/09/2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			17.10.2024	01.04.2025	22.07.2025	30/09/2025
			Value		Value	Value
pH	pH Value	Quarterly	6.7	6.9	6.5	6.9
Electrical Conductivity	µS/cm	Quarterly	1.9	1.9	2.2	2.1
Calcium	mg/L	Quarterly	192	184	194	212
Magnesium	mg/L	Quarterly	68	69	71	79
Sodium	mg/L	Quarterly	144	108	135	117
Potassium	mg/L	Quarterly	12	<10	13	5
Sulfate	mg/L	Quarterly	87	107	99	115
Chloride	mg/L	Quarterly	280	319	316	387
Fluoride	mg/L	Quarterly	< 1	<1	< 1	< 1
Ammonia	mg/L	Quarterly	< 1	<1	1.1	< 0.1
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	3.66	3.46	12.57	18.9
Total Phosphorus	mg/L	Quarterly	0.33	0.27	1.89	5
Soluble Phosphorus	mg/L	Quarterly	0.3	0.25	0.63	0.7
Biological Oxygen Demand	mg/L	Quarterly	< 2	3	14	< 2
Total Organic Carbon	mg/L	Quarterly	3	3	4	3
Dissolved Organic Carbon	mg/L	Yearly	2	<0.05	NA	NA
Iron (Dissolved)	mg/L	Quarterly	0.08	<0.05	< 0.05	< 0.05
Aluminium	mg/L	Yearly	0.18	NA	NA	NA
Arsenic	mg/L	Yearly	< 0.001	NA	NA	NA
Copper	mg/L	Yearly	0.218	NA	NA	NA
Cadmium	mg/L	Yearly	0.0001	NA	NA	NA
Iron (Total)	mg/L	Yearly	0.32	NA	NA	NA
Manganese	mg/L	Yearly	0.076	NA	NA	NA
Mercury	mg/L	Yearly	< 0.0001	NA	NA	NA
Lead	mg/L	Yearly	0.001	NA	NA	NA
Nickel	mg/L	Yearly	0.021	NA	NA	NA
Zinc	mg/L	Yearly	0.199	NA	NA	NA
Oil and Grease	mg/L	Quarterly	< 5	< 5	< 5	< 5
Total Phenols	µg/L	Yearly	< 0.05	NA	NA	NA
Organochlorine Pesticides	µg/L	Yearly	< 0.01	NA	NA	NA
Organophosphate Pesticides	µg/L	Yearly	DRY	NA	NA	NA

MONITORING POINT 20 - Groundwater Bore (FRMB02-GW16)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			12.12.2024	13.03.2025	24.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13.12.2024	17.03.2025	03.07.2025	30.09.2025
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	DRY	DRY	DRY
Electrical Conductivity	µS/cm	Quarterly	DRY	DRY	DRY	DRY
Calcium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Sodium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Potassium	mg/L	Quarterly	DRY	DRY	DRY	DRY
Sulfate	mg/L	Quarterly	DRY	DRY	DRY	DRY
Chloride	mg/L	Quarterly	DRY	DRY	DRY	DRY
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	DRY
Ammonia	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Nitrogen	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	DRY
Soluble Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	DRY
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	DRY
Dissolved Organic Carbon	mg/L	Yearly	DRY	DRY	DRY	DRY
Iron (Dissolved)	mg/L	Quarterly	DRY	DRY	DRY	DRY
Aluminium	mg/L	Yearly	DRY	DRY	DRY	DRY
Arsenic	mg/L	Yearly	DRY	DRY	DRY	DRY
Copper	mg/L	Yearly	DRY	DRY	DRY	DRY
Cadmium	mg/L	Yearly	DRY	DRY	DRY	DRY
Iron (Total)	mg/L	Yearly	DRY	DRY	DRY	DRY
Manganese	mg/L	Yearly	DRY	DRY	DRY	DRY
Mercury	mg/L	Yearly	DRY	DRY	DRY	DRY
Lead	mg/L	Yearly	DRY	DRY	DRY	DRY
Nickel	mg/L	Yearly	DRY	DRY	DRY	DRY
Zinc	mg/L	Yearly	DRY	DRY	DRY	DRY
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	DRY
Total Phenols	µg/L	Yearly	DRY	DRY	DRY	DRY
Organochlorine Pesticides	µg/L	Yearly	DRY	DRY	DRY	DRY
Organophosphate Pesticides	µg/L	Yearly	DRY	DRY	DRY	DRY

MONITORING POINT 13 - Methane (Capped area)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			12.12.2024	13.03.2025	24.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			12.12.2024	17.03.2025	24.06.2025	19.09.2025
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05	<0.05	<0.05

MONITORING POINT 15 - Methane (G8)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			12.12.2024	13.03.2025	24.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			12.12.2024	17.03.2025	24.06.2025	19.09.2025
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05	<0.05	<0.05

MONITORING POINT 16 - Methane (G9)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			12.12.2024	13.03.2025	24.06.2025	18.09.2025
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			12.12.2024	17.03.2025	24.06.2025	19.09.2025
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05	<0.05	<0.05