

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 2021 - 24th Sept 2022

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
			25/11/2021
			Date Data Obtained
			8/12/2021
			Value
Alkalinity	mg/L	Special Frequency 1	135
Biological Oxygen Demand	mg/L	Special Frequency 1	2
Calcium	mg/L	Special Frequency 1	51
Chloride	mg/L	Special Frequency 1	71
Fluoride	mg/L	Special Frequency 1	0.47
Iron	mg/L	Special Frequency 1	4.67
Magnesium	mg/L	Special Frequency 1	12
Manganese	mg/L	Special Frequency 1	0.166
Nitrate	mg/L	Special Frequency 1	2.54
Nitrogen (Ammonia)	mg/L	Special Frequency 1	1.08
Oil and Grease	mg/L	Special Frequency 1	<5
pH	pH Units	Special Frequency 1	8.0
Potassium	mg/L	Special Frequency 1	21
Sodium	mg/L	Special Frequency 1	49
Sulfate	mg/L	Special Frequency 1	36
Total Organic Carbon	mg/L	Special Frequency 1	20
Total Phenolics	µg/L	Special Frequency 1	<50
Total Suspended Solids	mg/L	Special Frequency 1	106
Volumetric Flow Rate (estimate)	KL/Day	Special Frequency 1	1152.0

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
			1/03/2022	1/06/2022		
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			1/03/2022	14/06/2022		
			Value	Value	Value	Value
Alkalinity	mg/L	Quarterly	110	236		
Biological Oxygen Demand	mg/L	Quarterly	16	4		
Calcium	mg/L	Quarterly	49	68		
Chloride	mg/L	Quarterly	153	182		
Fluoride	mg/L	Quarterly	0.39	0.13		
Iron	mg/L	Quarterly	3.5	1.28		
Magnesium	mg/L	Quarterly	21	27		
Manganese	mg/L	Quarterly	0.925	0.755		
Nitrate	mg/L	Quarterly	0.47	3.9		
Nitrite	mg/L	Quarterly	0.33	0.85		
Nitrogen (Ammonia)	mg/L	Quarterly	1.31	9.5		
Oil and Grease	mg/L	Quarterly	<5	<5		
pH	pH Units	Quarterly	8.4	8		
Potassium	mg/L	Quarterly	27	26		
Sodium	mg/L	Quarterly	88	107		
Sulfate	mg/L	Quarterly	87	39		
Total Organic Carbon	mg/L	Quarterly	25	23		
Total Phenolics	µg/L	Quarterly	<0.05	<0.05		
Total Suspended Solids	mg/L	Quarterly	136	66		

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

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled
			25/11/2021
			Date Data Obtained
			8/12/2021
			Value
Alkalinity (as Calcium Carbonate)	mg/L	Special Frequency 1	197
Biological Oxygen Demand	mg/L	Special Frequency 1	<2
Calcium	mg/L	Special Frequency 1	47
Chloride	mg/L	Special Frequency 1	26
Fluoride	mg/L	Special Frequency 1	0.33
Iron	mg/L	Special Frequency 1	1.34
Magnesium	mg/L	Special Frequency 1	20
Manganese	mg/L	Special Frequency 1	0.021
Nitrate	mg/L	Special Frequency 1	0.25
Nitrogen (Ammonia)	mg/L	Special Frequency 1	0.06
pH	pH Units	Special Frequency 1	8.3
Potassium	mg/L	Special Frequency 1	3
Sodium	mg/L	Special Frequency 1	54
Sulfate	mg/L	Special Frequency 1	43
Total Organic Carbon	mg/L	Special Frequency 1	10
Total Phenolics	µg/L	Special Frequency 1	<50
Total Suspended Solids	mg/L	Special Frequency 1	5
Volumetric Flow Rate	KL/Day	Special Frequency 1	720

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
			25/11/2021
			Date Data Obtained
			8/12/2021
			Value
Alkalinity (as Calcium Carbonate)	mg/L	Special Frequency 1	209
Biological Oxygen Demand	mg/L	Special Frequency 1	<2
Calcium	mg/L	Special Frequency 1	49
Chloride	mg/L	Special Frequency 1	31
Fluoride	mg/L	Special Frequency 1	0.37
Iron	mg/L	Special Frequency 1	0.63
Magnesium	mg/L	Special Frequency 1	21
Manganese	mg/L	Special Frequency 1	0.017
Nitrate	mg/L	Special Frequency 1	0.33
Nitrogen (Ammonia)	mg/L	Special Frequency 1	0.02
pH	pH Units	Special Frequency 1	8.1
Potassium	mg/L	Special Frequency 1	4
Sodium	mg/L	Special Frequency 1	54
Sulphate	mg/L	Special Frequency 1	46
Total Organic Carbon	mg/L	Special Frequency 1	11
Total Phenolics	µg/L	Special Frequency 1	<50
Total Suspended Solids	mg/L	Special Frequency 1	5
Volumetric Flow Rate	KL/Day	Special Frequency 1	720

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
			1/12/2021	1/03/2022	1/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2021	15/03/2022	14/06/2022	
			Value	Value	Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	498	280	324	
Biological Oxygen Demand	mg/L	Quarterly	6	7	4	
Calcium	mg/L	Quarterly	145	100	131	
Chloride	mg/L	Quarterly	495	1097	659	
Fluoride	mg/L	Quarterly	0.7	0.74	0.54	
Iron	mg/L	Quarterly	0.1	0.68	0.62	
Magnesium	mg/L	Quarterly	58	90	65	
Manganese	mg/L	Quarterly	0.256	0.44	0.07	
Nitrate	mg/L	Quarterly	12.1	0.8	34.03	
Nitrogen (Ammonia)	mg/L	Quarterly	8.25	0.38	2.4	
Oil and Grease	mg/L	Quarterly	<5	<5	<5	
pH	pH Units	Quarterly	7.8	8.1	7.9	
Potassium	mg/L	Quarterly	56	58	45	
Sodium	mg/L	Quarterly	328	627	400	
Sulphate	mg/L	Quarterly	115	100	56	
Total Organic Carbon	mg/L	Quarterly	42	57	35	
Total Phenolics	µg/L	Quarterly	<0.05	<0.05	<0.05	
Total Suspended Solids	mg/L	Quarterly	5	26	19	
Volatile Organic Compounds	mg/L	Quarterly	<PQL	<PQL	<PQL	
Organochlorine Pesticides	µg/L	Quarterly	<LOR	<LOR	<LOR	
Organophosphate Pesticides	µg/L	Quarterly	<LOR	<LOR	<LOR	

MONITORING POINT 6 - Southern Leachate Pond

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			1/12/2021	1/03/2022	1/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2021	15/03/2022	14/06/2022	
			Value	Value	Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	183	DRY	DRY	
Biological Oxygen Demand	mg/L	Quarterly	24	DRY	DRY	
Calcium	mg/L	Quarterly	43	DRY	DRY	
Chloride	mg/L	Quarterly	368	DRY	DRY	
Fluoride	mg/L	Quarterly	0.37	DRY	DRY	
Iron	mg/L	Quarterly	0.14	DRY	DRY	
Magnesium	mg/L	Quarterly	35	DRY	DRY	
Manganese	mg/L	Quarterly	0.014	DRY	DRY	
Nitrate	mg/L	Quarterly	4.51	DRY	DRY	
Nitrogen (Ammonia)	mg/L	Quarterly	0.18	DRY	DRY	
Oil and Grease	mg/L	Quarterly	<5	DRY	DRY	
pH	pH Units	Quarterly	8.5	DRY	DRY	
Potassium	mg/L	Quarterly	37	DRY	DRY	
Sodium	mg/L	Quarterly	229	DRY	DRY	
Sulphate	mg/L	Quarterly	66	DRY	DRY	
Total Organic Carbon	mg/L	Quarterly	27	DRY	DRY	
Total Phenolics	µg/L	Quarterly	<50	DRY	DRY	
Total Suspended Solids	mg/L	Quarterly	6	DRY	DRY	
Volatile Organic Compounds	mg/L	Quarterly	<PQL	DRY	DRY	
Organochlorine Pesticides	µg/L	Quarterly	<LOR	DRY	DRY	
Organophosphate Pesticides	µg/L	Quarterly	<LOR	DRY	DRY	

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

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled
			No Overflow
			Date Data Obtained
			No Overflow
			Value
Alkalinity (as calcium carbonate)	mg/L	Special Frequency 2	N/A
Biological Oxygen Demand	mg/L	Special Frequency 2	N/A
Calcium	mg/L	Special Frequency 2	N/A
Chloride	mg/L	Special Frequency 2	N/A
Fluoride	mg/L	Special Frequency 2	N/A
Iron	mg/L	Special Frequency 2	N/A
Magnesium	mg/L	Special Frequency 2	N/A
Manganese	mg/L	Special Frequency 2	N/A
Nitrate	mg/L	Special Frequency 2	N/A
Nitrogen (ammonia)	mg/L	Special Frequency 2	N/A
pH	pH Units	Special Frequency 2	N/A
Potassium	mg/L	Special Frequency 2	N/A
Sodium	mg/L	Special Frequency 2	N/A
Sulfate	mg/L	Special Frequency 2	N/A
Total Organic Carbon	mg/L	Special Frequency 2	N/A
Total Phenolics	µg/L	Special Frequency 2	N/A
Total Suspended Solids	mg/L	Special Frequency 2	N/A
Volatile Organic Compounds	mg/L	Special Frequency 2	N/A
Volumetric Flow Rate	KL/Day	Special Frequency 2	N/A
Organochlorine Pesticides	µg/L	Special Frequency 2	N/A
Organophosphate Pesticides	µg/L	Special Frequency 2	N/A

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 (FRMB02 - GW16)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			2/12/2021	3/03/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			6/12/2021	7/03/2022	8/07/2022	
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	DRY	DRY	
Electrical Conductivity	µS/cm	Quarterly	DRY	DRY	DRY	
Calcium	mg/L	Quarterly	DRY	DRY	DRY	
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	
Sodium	mg/L	Quarterly	DRY	DRY	DRY	
Potassium	mg/L	Quarterly	DRY	DRY	DRY	
Sulfate	mg/L	Quarterly	DRY	DRY	DRY	
Chloride	mg/L	Quarterly	DRY	DRY	DRY	
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	
Ammonia	mg/L	Quarterly	DRY	DRY	DRY	
Nitrate+nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY	DRY	DRY	
Total Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	
Soluble Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	
Dissolved Organic Carbon	mg/L	Yearly	DRY	DRY	DRY	
Iron (Dissolved)	mg/L	Quarterly	DRY	DRY	DRY	
Aluminium	mg/L	Yearly	DRY	DRY	DRY	
Arsenic	mg/L	Yearly	DRY	DRY	DRY	
Copper	mg/L	Yearly	DRY	DRY	DRY	
Cadmium	mg/L	Yearly	DRY	DRY	DRY	
Iron (Total)	mg/L	Yearly	DRY	DRY	DRY	
Manganese	mg/L	Yearly	DRY	DRY	DRY	
Mercury	mg/L	Yearly	DRY	DRY	DRY	
Lead	mg/L	Yearly	DRY	DRY	DRY	
Nickel	mg/L	Yearly	DRY	DRY	DRY	
Zinc	mg/L	Yearly	DRY	DRY	DRY	
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	
Total Phenols	µg/L	Yearly	DRY	DRY	DRY	
Organochlorine Pesticides	µg/L	Yearly	DRY	DRY	DRY	
Organophosphate Pesticides	µg/L	Yearly	DRY	DRY	DRY	

MONITORING POINT 9 - Groundwater Bore (FRMB04 - GW10)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			2/12/2021	3/03/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			6/12/2021	7/03/2022	8/07/2022	
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	DRY	DRY	
Electrical Conductivity	µS/cm	Quarterly	DRY	DRY	DRY	
Calcium	mg/L	Quarterly	DRY	DRY	DRY	
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	
Sodium	mg/L	Quarterly	DRY	DRY	DRY	
Potassium	mg/L	Quarterly	DRY	DRY	DRY	
Sulfate	mg/L	Quarterly	DRY	DRY	DRY	
Chloride	mg/L	Quarterly	DRY	DRY	DRY	
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	
Ammonia	mg/L	Quarterly	DRY	DRY	DRY	
Nitrate+nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY	DRY	DRY	
Total Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	
Soluble Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	
Dissolved Organic Carbon	mg/L	Yearly	DRY	DRY	DRY	
Iron (Dissolved)	mg/L	Quarterly	DRY	DRY	DRY	
Aluminium	mg/L	Yearly	DRY	DRY	DRY	
Arsenic	mg/L	Yearly	DRY	DRY	DRY	
Copper	mg/L	Yearly	DRY	DRY	DRY	
Cadmium	mg/L	Yearly	DRY	DRY	DRY	
Iron (Total)	mg/L	Yearly	DRY	DRY	DRY	
Manganese	mg/L	Yearly	DRY	DRY	DRY	
Mercury	mg/L	Yearly	DRY	DRY	DRY	
Lead	mg/L	Yearly	DRY	DRY	DRY	
Nickel	mg/L	Yearly	DRY	DRY	DRY	
Zinc	mg/L	Yearly	DRY	DRY	DRY	
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	
Total Phenols	µg/L	Yearly	DRY	DRY	DRY	
Organochlorine Pesticides	µg/L	Yearly	DRY	DRY	DRY	
Organophosphate Pesticides	µg/L	Yearly	DRY	DRY	DRY	

MONITORING POINT 18 - Groundwater Bore (FRMB07 - GW14)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			1/12/2021	24/02/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2021	24/02/2022	8/07/2022	
			Value	Value	Value	Value
pH	pH Value	Quarterly	6.7	DRY	6.8	
Electrical Conductivity	µS/cm	Quarterly	1300	DRY	1300	
Calcium	mg/L	Quarterly	118	DRY	80	
Magnesium	mg/L	Quarterly	12	DRY	10	
Sodium	mg/L	Quarterly	142	DRY	139	
Potassium	mg/L	Quarterly	4	DRY	3	
Sulfate	mg/L	Quarterly	31	DRY	28	
Chloride	mg/L	Quarterly	155	DRY	95	
Fluoride	mg/L	Quarterly	<0.2	DRY	0.13	
Ammonia	mg/L	Quarterly	<0.01	DRY	<0.1	
Nitrate+nitrite (oxidised nitrogen)	mg/L	Quarterly	3.79	DRY	3.29	
Total Phosphorus	mg/L	Quarterly	<0.01	DRY	0.03	
Soluble Phosphorus	mg/L	Quarterly	0.01	DRY	0.04	
Biological Oxygen Demand	mg/L	Quarterly	<2	DRY	<2	
Total Organic Carbon	mg/L	Quarterly	<1	DRY	<1	
Dissolved Organic Carbon	mg/L	Yearly	2.0	DRY	4.9	
Iron (Dissolved)	mg/L	Quarterly	<0.05	DRY	<0.05	
Aluminium	mg/L	Yearly	<0.01	DRY	NS	
Arsenic	mg/L	Yearly	<0.001	DRY	NS	
Copper	mg/L	Yearly	0.0	DRY	NS	
Cadmium	mg/L	Yearly	<0.0001	DRY	NS	
Iron (Total)	mg/L	Yearly	<0.05	DRY	NS	
Manganese	mg/L	Yearly	<0.001	DRY	NS	
Mercury	mg/L	Yearly	<0.0001	DRY	NS	
Lead	mg/L	Yearly	<0.001	DRY	NS	
Nickel	mg/L	Yearly	<0.001	DRY	NS	
Zinc	mg/L	Yearly	0.0	DRY	NS	
Oil and Grease	mg/L	Quarterly	<5	DRY	<5	
Total Phenols	µg/L	Yearly	<0.05	DRY	NS	
Organochlorine Pesticides	µg/L	Yearly	<LOR	DRY	NS	
Organophosphate Pesticides	µg/L	Yearly	<LOR	DRY	NS	

MONITORING POINT 19 - Groundwater Bore (FRMB09 - GW15)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			1/12/2021	2/03/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2021	16/03/2022	8/07/2022	
			Value	Value	Value	Value
pH	pH Value	Quarterly	6.7	6.6	6.7	
Electrical Conductivity	µS/cm	Quarterly	2300	2	2.2	
Calcium	mg/L	Quarterly	227	224	167	
Magnesium	mg/L	Quarterly	90	87	65	
Sodium	mg/L	Quarterly	125	123	109	
Potassium	mg/L	Quarterly	2	2	2	
Sulfate	mg/L	Quarterly	113	103	115	
Chloride	mg/L	Quarterly	415	393	327	
Fluoride	mg/L	Quarterly	0.39	0.35	0.35	
Ammonia	mg/L	Quarterly	<0.01	<0.01	<0.1	
Nitrate+nitrite (oxidised nitrogen)	mg/L	Quarterly	4.68	4.34	4.2	
Total Phosphorus	mg/L	Quarterly	0.01	0.01	0.06	
Soluble Phosphorus	mg/L	Quarterly	0.02	0.01	0.05	
Biological Oxygen Demand	mg/L	Quarterly	<2	<2	<2	
Total Organic Carbon	mg/L	Quarterly	1	1	1	
Dissolved Organic Carbon	mg/L	Yearly	1	NA	NA	
Iron (Dissolved)	mg/L	Quarterly	<0.05	<0.05	<0.05	
Aluminium	mg/L	Yearly	<0.01	NA	NA	
Arsenic	mg/L	Yearly	<0.001	NA	NA	
Copper	mg/L	Yearly	0.006	NA	NA	
Cadmium	mg/L	Yearly	<0.0001	NA	NA	
Iron (Total)	mg/L	Yearly	<0.05	NA	NA	
Manganese	mg/L	Yearly	0.024	NA	NA	
Mercury	mg/L	Yearly	<0.0001	NA	NA	
Lead	mg/L	Yearly	<0.001	NA	NA	
Nickel	mg/L	Yearly	0.002	NA	NA	
Zinc	mg/L	Yearly	0.01	NA	NA	
Oil and Grease	mg/L	Quarterly	<5	<5	<5	
Total Phenols	µg/L	Yearly	<0.05	NA	NA	
Organochlorine Pesticides	µg/L	Yearly	<LOR	NA	NA	
Organophosphate Pesticides	µg/L	Yearly	<LOR	NA	NA	

MONITORING POINT 20 - Groundwater Bore (FRMB03-GW17)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			1/12/2021	24/02/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2021	24/02/2022	8/07/2022	
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	DRY	DRY	
Electrical Conductivity	µS/cm	Quarterly	DRY	DRY	DRY	
Calcium	mg/L	Quarterly	DRY	DRY	DRY	
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	
Sodium	mg/L	Quarterly	DRY	DRY	DRY	
Potassium	mg/L	Quarterly	DRY	DRY	DRY	
Sulfate	mg/L	Quarterly	DRY	DRY	DRY	
Chloride	mg/L	Quarterly	DRY	DRY	DRY	
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	
Ammonia	mg/L	Quarterly	DRY	DRY	DRY	
Total Nitrogen	mg/L	Quarterly	DRY	DRY	DRY	
Total Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	
Soluble Phosphorus	mg/L	Quarterly	DRY	DRY	DRY	
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	
Dissolved Organic Carbon	mg/L	Yearly	DRY	DRY	DRY	
Iron (Dissolved)	mg/L	Quarterly	DRY	DRY	DRY	
Aluminium	mg/L	Yearly	DRY	DRY	DRY	
Arsenic	mg/L	Yearly	DRY	DRY	DRY	
Copper	mg/L	Yearly	DRY	DRY	DRY	
Cadmium	mg/L	Yearly	DRY	DRY	DRY	
Iron (Total)	mg/L	Yearly	DRY	DRY	DRY	
Manganese	mg/L	Yearly	DRY	DRY	DRY	
Mercury	mg/L	Yearly	DRY	DRY	DRY	
Lead	mg/L	Yearly	DRY	DRY	DRY	
Nickel	mg/L	Yearly	DRY	DRY	DRY	
Zinc	mg/L	Yearly	DRY	DRY	DRY	
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	
Total Phenols	µg/L	Yearly	DRY	DRY	DRY	
Organochlorine Pesticides	µg/L	Yearly	DRY	DRY	DRY	
Organophosphate Pesticides	µg/L	Yearly	DRY	DRY	DRY	

MONITORING POINT 13 - Methane (Capped area)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			2/12/2021	31/03/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			6/12/2021	31/03/2022	8/07/2022	
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<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
			2/12/2021	31/03/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			6/12/2021	NS	8/07/2022	
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	NS	<0.05	

MONITORING POINT 16 - Methane (G9)

Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			2/12/2021	31/03/2022	24/06/2022	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			6/12/2021	31/03/2022	8/07/2022	
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05	<0.05	