

**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 2022 - 24th Sept 2023

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
			29.03.2023	
			Date Data Obtained	Date Data Obtained
			05.04.2023	
			Value	Value
Alkalinity	mg/L	Special Frequency 1	132	
Biological Oxygen Demand	mg/L	Special Frequency 1	8	
Calcium	mg/L	Special Frequency 1	37	
Chloride	mg/L	Special Frequency 1	62	
Fluoride	mg/L	Special Frequency 1	0.35	
Iron	mg/L	Special Frequency 1	6.39	
Magnesium	mg/L	Special Frequency 1	11	
Manganese	mg/L	Special Frequency 1	0.455	
Nitrate	mg/L	Special Frequency 1	1.53	
Nitrogen (Ammonia)	mg/L	Special Frequency 1	3.10	
Oil and Grease	mg/L	Special Frequency 1	< 5	
pH	pH Units	Special Frequency 1	7.9	
Potassium	mg/L	Special Frequency 1	23	
Sodium	mg/L	Special Frequency 1	47	
Sulfate	mg/L	Special Frequency 1	18	
Total Organic Carbon	mg/L	Special Frequency 1	29	
Total Phenolics	µg/L	Special Frequency 1	< 0.05	
Total Suspended Solids	mg/L	Special Frequency 1	103	
Volumetric Flow Rate (estimate)	KL/Day	Special Frequency 1	XXXX	

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
			1/12/2022	1/03/2023	8/06/2023	6/09/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2022	1/03/2023	8/06/2023	6/09/2023
			Value	Value	Value	Value
Alkalinity	mg/L	Quarterly	235	133	203	207
Biological Oxygen Demand	mg/L	Quarterly	8	17	18	10
Calcium	mg/L	Quarterly	56	29	61	99
Chloride	mg/L	Quarterly	196	248	226	188
Fluoride	mg/L	Quarterly	0.78	0.65	0.97	0.89
Iron	mg/L	Quarterly	0.9	0.1	1.02	0.49
Magnesium	mg/L	Quarterly	25	22	27	99
Manganese	mg/L	Quarterly	1.050	0.031	0.217	0.997
Nitrate	mg/L	Quarterly	3.03	<0.1	7.34	<0.10
Nitrite	mg/L	Quarterly	1.57	<0.1	<0.1	0.12
Nitrogen (Ammonia)	mg/L	Quarterly	11.90	0.30	2.4	3.05
Oil and Grease	mg/L	Quarterly	< 5	< 5	< 5	<5
pH	pH Units	Quarterly	8.6	94.0	8.9	8.1
Potassium	mg/L	Quarterly	29	30	43	42
Sodium	mg/L	Quarterly	118	142	134	129
Sulfate	mg/L	Quarterly	45	24	76	63
Total Organic Carbon	mg/L	Quarterly	22	34	42	29
Total Phenolics	µg/L	Quarterly	0.12	< 0.05	< 0.05	0.89
Total Suspended Solids	mg/L	Quarterly	29	50	110	10

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

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled
			Date Data Obtained
			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 Data Obtained
			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
			1/12/2022	1/03/2023	8/06/2023	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2022	2/03/2023	23/06/2023	
			Value	Value	Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	417	DRY	DRY	
Biological Oxygen Demand	mg/L	Quarterly	8	DRY	DRY	
Calcium	mg/L	Quarterly	76	DRY	DRY	
Chloride	mg/L	Quarterly	545	DRY	DRY	
Fluoride	mg/L	Quarterly	0.79	DRY	DRY	
Iron	mg/L	Quarterly	0.82	DRY	DRY	
Magnesium	mg/L	Quarterly	57	DRY	DRY	
Manganese	mg/L	Quarterly	0.367	DRY	DRY	
Nitrate	mg/L	Quarterly	2.22	DRY	DRY	
Nitrogen (Ammonia)	mg/L	Quarterly	0.9	DRY	DRY	
Oil and Grease	mg/L	Quarterly	<5	DRY	DRY	
pH	pH Units	Quarterly	8.2	DRY	DRY	
Potassium	mg/L	Quarterly	45	DRY	DRY	
Sodium	mg/L	Quarterly	366	DRY	DRY	
Sulphate	mg/L	Quarterly	56	DRY	DRY	
Total Organic Carbon	mg/L	Quarterly	56	DRY	DRY	
Total Phenolics	µg/L	Quarterly	0.12	DRY	DRY	
Total Suspended Solids	mg/L	Quarterly	46	DRY	DRY	
Volatile Organic Compounds	mg/L	Quarterly	<5	DRY	DRY	
Organochlorine Pesticides	µg/L	Quarterly	<0.010	DRY	DRY	
Organophosphate Pesticides	µg/L	Quarterly	<0.010	DRY	DRY	

**MONITORING POINT 6 - Southern Leachate Pond**

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			1/12/2022	1/03/2023	8/06/2023	
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			13/12/2022	2/03/2023	23/06/2023	
			Value	Value	Value	Value
Alkalinity (as Calcium Carbonate)	mg/L	Quarterly	DRY	DRY	DRY	
Biological Oxygen Demand	mg/L	Quarterly	DRY	DRY	DRY	
Calcium	mg/L	Quarterly	DRY	DRY	DRY	
Chloride	mg/L	Quarterly	DRY	DRY	DRY	
Fluoride	mg/L	Quarterly	DRY	DRY	DRY	
Iron	mg/L	Quarterly	DRY	DRY	DRY	
Magnesium	mg/L	Quarterly	DRY	DRY	DRY	
Manganese	mg/L	Quarterly	DRY	DRY	DRY	
Nitrate	mg/L	Quarterly	DRY	DRY	DRY	
Nitrogen (Ammonia)	mg/L	Quarterly	DRY	DRY	DRY	
Oil and Grease	mg/L	Quarterly	DRY	DRY	DRY	
pH	pH Units	Quarterly	DRY	DRY	DRY	
Potassium	mg/L	Quarterly	DRY	DRY	DRY	
Sodium	mg/L	Quarterly	DRY	DRY	DRY	
Sulphate	mg/L	Quarterly	DRY	DRY	DRY	
Total Organic Carbon	mg/L	Quarterly	DRY	DRY	DRY	
Total Phenolics	µg/L	Quarterly	DRY	DRY	DRY	
Total Suspended Solids	mg/L	Quarterly	DRY	DRY	DRY	
Volatile Organic Compounds	mg/L	Quarterly	DRY	DRY	DRY	
Organochlorine Pesticides	µg/L	Quarterly	DRY	DRY	DRY	
Organophosphate Pesticides	µg/L	Quarterly	DRY	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 (FRMB02 - GW16)**

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/09/2021	1/03/2023	05.04.2023	27.07.2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11/10/2022	02/03/2023	05.04.2023	30.07.2023
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
			29/09/2021	1/03/2023	05.04.2023	27.07.2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11/10/2022	02/03/2023	05.04.2023	30.07.2023
			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
			27/10/2022	11/12/2022	05.04.2023	27.07.2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			31/10/2022	4/01/2023	05.04.2023	31.07.2023
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	6.9	DRY	DRY
Electrical Conductivity	µS/cm	Quarterly	DRY	1.1	DRY	DRY
Calcium	mg/L	Quarterly	DRY	102	DRY	DRY
Magnesium	mg/L	Quarterly	DRY	12	DRY	DRY
Sodium	mg/L	Quarterly	DRY	37	DRY	DRY
Potassium	mg/L	Quarterly	DRY	6	DRY	DRY
Sulfate	mg/L	Quarterly	DRY	25	DRY	DRY
Chloride	mg/L	Quarterly	DRY	107	DRY	DRY
Fluoride	mg/L	Quarterly	DRY	0.17	DRY	DRY
Ammonia	mg/L	Quarterly	DRY	2.82	DRY	DRY
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY	0.04	DRY	DRY
Total Phosphorus	mg/L	Quarterly	DRY	0.35	DRY	DRY
Soluble Phosphorus	mg/L	Quarterly	DRY	0.04	DRY	DRY
Biological Oxygen Demand	mg/L	Quarterly	DRY	28	DRY	DRY
Total Organic Carbon	mg/L	Quarterly	DRY	5	DRY	DRY
Dissolved Organic Carbon	mg/L	Yearly	DRY	5	DRY	DRY
Iron (Dissolved)	mg/L	Quarterly	DRY	<0.05	DRY	DRY
Aluminium	mg/L	Yearly	DRY	0.27	DRY	DRY
Arsenic	mg/L	Yearly	DRY	<0.001	DRY	DRY
Copper	mg/L	Yearly	DRY	0.007	DRY	DRY
Cadmium	mg/L	Yearly	DRY	<0.0001	DRY	DRY
Iron (Total)	mg/L	Yearly	DRY	0.76	DRY	DRY
Manganese	mg/L	Yearly	DRY	0.168	DRY	DRY
Mercury	mg/L	Yearly	DRY	<0.0001	DRY	DRY
Lead	mg/L	Yearly	DRY	0.007	DRY	DRY
Nickel	mg/L	Yearly	DRY	0.008	DRY	DRY
Zinc	mg/L	Yearly	DRY	0.141	DRY	DRY
Oil and Grease	mg/L	Quarterly	DRY	<5	DRY	DRY
Total Phenols	µg/L	Yearly	DRY	<0.05	DRY	DRY
Organochlorine Pesticides	µg/L	Yearly	DRY	<0.05	DRY	DRY
Organophosphate Pesticides	µg/L	Yearly	DRY	< 0.01	DRY	DRY

MONITORING POINT 19 - Groundwater Bore (FRMB09 - GW15)

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			27/10/2022	11/12/2022	05.04.2023	27/07/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			31/10/2022	4/01/2023	05.04.2023	31/07/2023
			Value	Value	Value	Value
pH	pH Value	Quarterly	DRY	6.7	DRY	DRY
Electrical Conductivity	µS/cm	Quarterly	DRY	2	DRY	DRY
Calcium	mg/L	Quarterly	DRY	203	DRY	DRY
Magnesium	mg/L	Quarterly	DRY	72	DRY	DRY
Sodium	mg/L	Quarterly	DRY	119	DRY	DRY
Potassium	mg/L	Quarterly	DRY	2	DRY	DRY
Sulfate	mg/L	Quarterly	DRY	114	DRY	DRY
Chloride	mg/L	Quarterly	DRY	307	DRY	DRY
Fluoride	mg/L	Quarterly	DRY	0.44	DRY	DRY
Ammonia	mg/L	Quarterly	DRY	0.05	DRY	DRY
Nitrate+ nitrite (oxidised nitrogen)	mg/L	Quarterly	DRY	4.66	DRY	DRY
Total Phosphorus	mg/L	Quarterly	DRY	0.17	DRY	DRY
Soluble Phosphorus	mg/L	Quarterly	DRY	0.14	DRY	DRY
Biological Oxygen Demand	mg/L	Quarterly	DRY	4	DRY	DRY
Total Organic Carbon	mg/L	Quarterly	DRY	5	DRY	DRY
Dissolved Organic Carbon	mg/L	Yearly	DRY	3	DRY	DRY
Iron (Dissolved)	mg/L	Quarterly	DRY	<0.05	DRY	DRY
Aluminium	mg/L	Yearly	DRY	0.09	DRY	DRY
Arsenic	mg/L	Yearly	DRY	<0.001	DRY	DRY
Copper	mg/L	Yearly	DRY	0.002	DRY	DRY
Cadmium	mg/L	Yearly	DRY	<0.0001	DRY	DRY
Iron (Total)	mg/L	Yearly	DRY	0.21	DRY	DRY
Manganese	mg/L	Yearly	DRY	0.078	DRY	DRY
Mercury	mg/L	Yearly	DRY	<0.0001	DRY	DRY
Lead	mg/L	Yearly	DRY	0.001	DRY	DRY
Nickel	mg/L	Yearly	DRY	0.003	DRY	DRY
Zinc	mg/L	Yearly	DRY	0.07	DRY	DRY
Oil and Grease	mg/L	Quarterly	DRY	<5	DRY	DRY
Total Phenols	µg/L	Yearly	DRY	<0.05	DRY	DRY
Organochlorine Pesticides	µg/L	Yearly	DRY	<0.01	DRY	DRY
Organophosphate Pesticides	µg/L	Yearly	DRY	<0.01	DRY	DRY

**MONITORING POINT 20 - Groundwater Bore (FRMB03-GW17)**

Pollutant	Unit of measure	Monitoring Frequency	Date Sampled	Date Sampled	Date Sampled	Date Sampled
			29/09/2022	1/03/2023	05.04.2023	27.07.2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			11/10/2022	02/03/2023	05.04.2023	31.07.2023
			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
			30/09/2022	05.04.2023	1/06/2023	9/09/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			5/10/2022	05.04.2023	23/06/2023	9/09/2023
			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
			30/09/2022	05.04.2023	1/06/2023	9/09/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			5/10/2022	05.04.2023	23/06/2023	9/09/2023
			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
			30/09/2022	05.04.2023	1/06/2023	9/09/2023
			Date Data Obtained	Date Data Obtained	Date Data Obtained	Date Data Obtained
			5/10/2022	05.04.2023	23/06/2023	9/09/2023
			Value	Value	Value	Value
Methane	%/volume	Quarterly	<0.05	<0.05	<0.05	<0.05