

Groundwater Monitoring

EPL No:	11436
Reporting period	Q3 2025-26

Pollutant	Unit*	Frequency	Monitoring Location Identification							
			Date of Sampling		Date of Reported Results		Date of Sampling		Date of Reported Results	
			18/03/2026	18/03/2026	18/03/2026	17/03/2026	17/03/2026	19/03/2026	20/03/2026	20/03/2026
			29/04/2026	29/04/2026	29/04/2026	29/04/2026	29/04/2026	29/04/2026	29/04/2026	29/04/2026
			MB1 (25)	MB2 (26)	MB3 (27)	MB4 (28)	MB6 (30)	MB7 (31)	MB10 (33)	
Alkalinity (as CaCO3)	mg/L	Quarterly	570	320	230	27		690	280	
Aluminium	mg/L	Quarterly	<0.01	<0.01	<0.01	0.12		<0.01	0.01	
Arsenic	mg/L	Quarterly	<0.001	<0.001	<0.001	0.002		<0.001	<0.001	
Barium	mg/L	Quarterly	0.13	0.02	0.034	0.061		0.15	0.008	
Benzene	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
BOD	mg/L	Quarterly								
Boron	mg/L	Quarterly								
Cadmium	mg/L	Quarterly	0.0002	0.033	0.0003	0.0033		0.0011	0.0003	
Calcium	mg/L	Quarterly	200	490	130	11		260	470	
COD	mg/L	Quarterly								
Chloride	mg/L	Quarterly	340	960	510	760		2500	1100	
Chromium (hexavalent)	mg/L	Quarterly	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
Chromium (total)	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
Cobalt	mg/L	Quarterly	0.005	<0.001	<0.001	0.019		<0.001	0.002	
Copper	mg/L	Quarterly	<0.001	0.002	0.003	0.06		<0.001	0.014	
Dissolved Organic Carbon	mg/L	Quarterly	<1	<1	<1	<1		4	<1	
Electrical conductivity	µS/cm	Quarterly	2400	7100	2000	2900		7200	7600	
Ethyl Benzene	mg/L	Quarterly	<0.002	<0.001	<0.001	<0.002		<0.002	<0.001	
Fluoride	mg/L	Quarterly	0.3	0.3	0.1	0.2		0.3	0.2	
Lead	mg/L	Quarterly	<0.001	<0.001	<0.001	0.0007		<0.001	0.002	
Lithium	mg/L	Quarterly								
Magnesium	mg/L	Quarterly	100	670	100	150		430	720	
Manganese	mg/L	Quarterly	1.6	0.045	<0.005	0.027		0.36	0.11	
Mercury	mg/L	Quarterly	<0.00005	<0.00005	<0.00005	0.00006		<0.00005	<0.00005	
Methane (dissolved)	mg/L	Quarterly								
Naphthalene	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
Nickel	mg/L	Quarterly								
Nitrate	mg/L	Quarterly	0.067	0.076	0.82	0.19		0.094	3.8	
Nitrite	mg/L	Quarterly	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
Nitrogen (ammonia)	mg/L	Quarterly	0.28	0.03	0.03	0.04		0.095	0.1	
Oil and Grease	mg/L	Quarterly								
Organochlorine pesticides	mg/L	Quarterly	<0.000001	<0.000001	<0.000001	<0.000001		<0.000001	<0.000001	
Perfluorobutane sulphonate (PFBS)	µg/L	Quarterly	0.004	0.057	<0.0004	<0.0004		0.003	0.088	
Perfluoroheptanoic acid (PFHpA)	µg/L	Quarterly	0.002	0.002	<0.0004	<0.0004		<0.0004	0.003	
Perfluorohexane sulphonate (PFHxS)	µg/L	Quarterly	0.0037	0.062	<0.0002	<0.0002		0.034	0.1	
Perfluorohexanoic acid (PFHxA)	µg/L	Quarterly	0.002	0.05	<0.0004	<0.0004		<0.0008	0.057	
Perfluorooctane sulphonate (PFOS)	µg/L	Quarterly	0.002	0.012	<0.0002	<0.0002		0.0074	0.0083	
Perfluorooctanoic acid (PFOA)	µg/L	Quarterly	0.001	0.001	<0.0002	<0.0002		<0.0002	0.0024	
pH	pH	Quarterly	6.7	6	6.6	5.9		6.5	6.1	
Polycyclic aromatic hydrocarbons	mg/L	Quarterly	<0.00001	<0.00001	<0.00001	<0.00001		<0.00001	<0.00001	
Potassium	mg/L	Quarterly	9	2	2	3		9.9	1	
Redox Potential	mV	Quarterly	51.9	99.4	199.7	89		47.3	31.2	
Selenium	mg/L	Quarterly								
Sodium	mg/L	Quarterly	85	390	79	380		520	490	
Standing Water Level	m	Quarterly	16.77	0.57	0.5	8.14		2.63	2.88	
Sulfate	mg/L	Quarterly	310	3800	73	270		280	4300	
Temperature	°C	Quarterly	15.3	15.4	17.6	16.4		18.2	15.6	
Tin	mg/L	Quarterly								
Toluene	mg/L	Quarterly	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
Total dissolved solids	mg/L	Quarterly	1900	7900	1600	1900		7300	9500	
Total Kjeldahl Nitrogen	mg/L	Quarterly								
Total organic carbon	mg/L	Quarterly	1	2	<1	<1		6	<1	
TPH C10-C14	mg/L	Quarterly	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	
TPH C15- C28	mg/L	Quarterly	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	
TPH C29-C36	mg/L	Quarterly	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	
TPH C6-C9	mg/L	Quarterly	<0.01	<0.01	<0.01	0.013		<0.01	<0.01	
Total Phenolics	mg/L	Quarterly	<0.05	<1	<1	<0.05		<0.05	<1	
Total Phosphorus	mg/L	Quarterly	0.07	0.07	0.1	0.1		0.09	0.06	
Total Suspended Solids	mg/L	Quarterly								
Xylene	mg/L	Quarterly								
Zinc	mg/L	Quarterly	0.29	0.097	0.055	0.96		0.23	0.14	

* Unit of Measure Abbreviations	
Metres	m
Milligrams per Litre	mg/L
Micrograms per Litre	µg/L

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