

EPL 10265 Surface Water	Units	Point 4 - Sampling point for water stored in Goodwin Dam					
		100th percentile Concentration Limit	Date				
			22/01/2025	23/04/2025	22/07/2025	28/10/2025	22/01/2026
Fluoride	mg/L	2	0.75	0.53	0.83	0.45	1.0
pH**	No unit	6.5-8.5	7.4	7.2	7.6	7.5	7.1
Conductivity @ 25C ⁰	µS/cm	800	500	690	610	470	580
Total Suspended Solids	mg/L	50	<5	88	7	<5	<5
Biochemical Oxygen Demand (BOD ₅)	mg/L	30	<5	<5	<5	<5	<5
Total Cyanide	mg/L	0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Oil and Grease	mg/L	10	<5	<5	<5	<5	<5
Total Aluminium	µg/L	5000	19	250	13	49	39
Total Arsenic	µg/L	500	<1	<1	<1	<1	<1
Total Cadmium	µg/L	10	<0.1	0.3	<0.1	<0.1	<0.1
Total Chromium	µg/L	1000	<1	<1	<1	<1	<1
Total Cobalt	µg/L	1000	<1	<1	<1	<1	<1
Total Copper	µg/L	400	<1	<1	1	1	<1
Total Lead	µg/L	100	<1	<1	<1	<1	<1
Total Molybdenum	µg/L	150	1	2	2	2	<1
Total Nickel	µg/L	1000	<1	<1	<1	<1	<1
Total Selenium	µg/L	20	<1	<1	<1	<1	<1
Total Zinc	µg/L	20000	<5	<5	<5	<5	<5
Total Mercury	mg/L	0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Sulfate, SO ₄	mg/L	---	110	240	190	130	180
Chemical Oxygen Demand	mg/L	---	43	52	26	32	32
Anionic Surfactants as MBAS	mg/L	---	0.3	<0.1	0.2	0.3	<0.1
Total Manganese	µg/L	1200	8	18	9	10	9