

## Leachate Quality Monitoring

<b>EPL No:</b>	<b>11584</b>
<b>Date of Sampling</b>	<b>20/2/2025</b>
<b>Date of Results Received</b>	<b>28/2/2025</b>

				<b>Monitoring Location</b>
<b>Pollutant</b>	<b>Unit*</b>	<b>Frequency</b>	<b>Limits</b>	<b>HPSW5 (8)</b>
pH	pH	Quarterly		9.30
Electrical Conductivity, EC	µS/cm	Quarterly		4310
Total Suspended Solids, TSS	mg/L	Quarterly		38
Turbidity	NTU	Quarterly		27
Calcium	mg/L	Quarterly		16
Magnesium	mg/L	Quarterly		67
Sodium	mg/L	Quarterly		822
Potassium	mg/L	Quarterly		48
Alkalinity as CaCO <sub>3</sub>	mg/L	Quarterly		904
Aluminium	mg/L	Annual		
Arsenic	mg/L	Annual		
Barium	mg/L	Annual		
Cadmium	mg/L	Annual		
Chromium, total	mg/L	Annual		
Chromium, hexavalent	mg/L	Annual		
Cobalt	mg/L	Annual		
Copper	mg/L	Annual		
Lead	mg/L	Annual		
Mercury	mg/L	Annual		
Zinc	mg/L	Annual		
Ammonia as N	mg/L	Quarterly		0.36
Nitrite and Nitrate as N	mg/L	Quarterly		0.05
Phosphorus as P – total	mg/L	Annual		
Total Phenolics	mg/L	Quarterly		<0.05
Total Organic Carbon	mg/L	Quarterly		91
Biochemical Oxygen Demand	mg/L	Quarterly		10
CVC (Chlorinated volatile compounds)	µg/L	Annual		
OCP (Organochlorine pesticides)	µg/L	Annual		
OPP (Organophosphate pesticides)	µg/L	Annual		
PCBs (Polychlorinated biphenyls)	µg/L	Annual		
PAH (Polynuclear aromatic hydrocarbons)	µg/L	Annual		
<b>Total Petroleum Hydrocarbons</b>				
C6 – C9 Fraction	µg/L	Annual		
C10 – C14 Fraction	µg/L	Annual		
C15 – C28 Fraction	µg/L	Annual		
C29 – C36 Fraction	µg/L	Annual		
<b>BTEX</b>				
Benzene	µg/L	Annual		
Toluene	µg/L	Annual		
Ethylbenzene	µg/L	Annual		
meta- & para Xylene	µg/L	Annual		
ortho - Xylene	µg/L	Annual		
Oil & Grease	mg/L	Quarterly		6

<b>* Unit of Measure Abbreviations</b>	
Metres	m
Microsiemens per centimetre	µS/cm
Milligrams per Litre	mg/L
Micrograms per Litre	µg/L

<http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30721&SYSUID=1&LICID=11584>