

## Leachate Quality Monitoring

<b>EPL No:</b>	<b>11584</b>
<b>Date of Sampling</b>	<b>29/5/2024</b>
<b>Date of Results Received</b>	<b>5/6/24</b>

				<b>Monitoring Location</b>
<b>Pollutant</b>	<b>Unit*</b>	<b>Frequency</b>	<b>Limits</b>	<b>HPSW5 (8)</b>
pH	pH	Quarterly		8.55
Electrical Conductivity, EC	µS/cm	Quarterly		3790
Total Suspended Solids, TSS	mg/L	Quarterly		30
Calcium	mg/L	Quarterly		-
Magnesium	mg/L	Quarterly		-
Sodium	mg/L	Quarterly		-
Potassium	mg/L	Quarterly		-
Alkalinity as CaCO3	mg/L	Quarterly		933
Aluminium	mg/L	Annual		0.24
Arsenic	mg/L	Annual		0.01
Barium	mg/L	Annual		0.28
Cadmium	mg/L	Annual		<0.0001
Chromium, total	mg/L	Annual		0.008
Chromium, hexavalent	mg/L	Annual		<0.01
Cobalt	mg/L	Annual		0.009
Copper	mg/L	Annual		0.003
Lead	mg/L	Annual		<0.001
Mercury	mg/L	Annual		<0.0001
Zinc	mg/L	Annual		0.011
Ammonia as N	mg/L	Quarterly		37.00
Nitrite and Nitrate as N	mg/L	Quarterly		0.10
Phosphorus as P – total	mg/L	Annual		<0.01
Total Phenolics	mg/L	Quarterly		<0.05
Total Organic Carbon	mg/L	Quarterly		76
Biochemical Oxygen Demand	mg/L	Quarterly		23
CVC (Chlorinated volatile compounds)	µg/L	Annual		<50
OCP (Organochlorine pesticides)	µg/L	Annual		<2
OPP (Organophosphate pesticides)	µg/L	Annual		<2
PCBs (Polychlorinated biphenyls)	µg/L	Annual		<1
PAH (Polynuclear aromatic hydrocarbons)	µg/L	Annual		<1
<b>Total Petroleum Hydrocarbons</b>				
C6 – C9 Fraction	µg/L	Annual		<20
C10 – C14 Fraction	µg/L	Annual		<50
C15 – C28 Fraction	µg/L	Annual		<100
C29 – C36 Fraction	µg/L	Annual		<50
<b>BTEX</b>				
Benzene	µg/L	Annual		<1
Toluene	µg/L	Annual		<2
Ethylbenzene	µg/L	Annual		<2
meta- & para Xylene	µg/L	Annual		<2
ortho - Xylene	µg/L	Annual		<2

<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>