

Leachate Quality Monitoring

EPL No:	11584
Date of Sampling	15/5/2019
Date of Reported Results	22/5/2019

Pollutant	Unit*	Frequency	Limits	Monitoring Location
				HPSW5 (8)
pH	pH	Quarterly		9.11
Electrical Conductivity, EC	µS/cm	Quarterly		12100
Total Suspended Solids, TSS	mg/L	Quarterly		84
Calcium	mg/L	Quarterly		13
Magnesium	mg/L	Quarterly		134
Sodium	mg/L	Quarterly		2270
Potassium	mg/L	Quarterly		158
Alkalinity as CaCO ₃	mg/L	Quarterly		839
Aluminium	mg/L	Annual		0.11
Arsenic	mg/L	Annual		0.01
Barium	mg/L	Annual		0.27
Cadmium	mg/L	Annual		0.0002
Chromium, total	mg/L	Annual		0.002
Chromium, hexavalent	mg/L	Annual		<0.01
Cobalt	mg/L	Annual		<0.001
Copper	mg/L	Annual		0.010
Lead	mg/L	Annual		0.003
Mercury	mg/L	Annual		<0.0001
Zinc	mg/L	Annual		0.030
Ammonia as N	mg/L	Quarterly		0.08
Nitrite and Nitrate as N	mg/L	Quarterly		0.04
Phosphorus as P – total	mg/L	Annual		
Total Phenolics	mg/L	Quarterly		<0.05
Total Organic Carbon	mg/L	Quarterly		89
Biochemical Oxygen Demand	mg/L	Quarterly		6
CVC (Chlorinated volatile compounds)	µg/L	Annual		
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
Total Petroleum Hydrocarbons				
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		<20
BTEX				
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

* Unit of Measure Abbreviations	
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>