

Leachate Quality Monitoring

EPL No:	11584
Date of Sampling	22/8/2019
Date of Reported Results	29/8/2019

Pollutant	Unit*	Frequency	Limits	Monitoring Location
				HPSW5 (8)
pH	pH	Quarterly		8.63
Electrical Conductivity, EC	µS/cm	Quarterly		7210
Total Suspended Solids, TSS	mg/L	Quarterly		30
Calcium	mg/L	Quarterly		22
Magnesium	mg/L	Quarterly		83
Sodium	mg/L	Quarterly		1360
Potassium	mg/L	Quarterly		96
Alkalinity as CaCO ₃	mg/L	Quarterly		526
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		0.03
Nitrite and Nitrate as N	mg/L	Quarterly		0.18
Phosphorus as P – total	mg/L	Annual		
Total Phenolics	mg/L	Quarterly		<0.05
Total Organic Carbon	mg/L	Quarterly		51
Biochemical Oxygen Demand	mg/L	Quarterly		5
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		
Total Petroleum Hydrocarbons				
C6 – C9 Fraction	µg/L	Annual		
C10 – C14 Fraction	µg/L	Annual		
C15 – C28 Fraction	µg/L	Annual		
C29 – C36 Fraction	µg/L	Annual		
BTEX				
Benzene	µg/L	Annual		
Toluene	µg/L	Annual		
Ethylbenzene	µg/L	Annual		
meta- & para Xylene	µg/L	Annual		
ortho - Xylene	µg/L	Annual		

* 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>