

Erskine Park Landfill EPL4865

Link to Environment Protection Licence:

<http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31385&SYSUID=1&LICID=4865>

December 2014 Quarterly Leachate Results

Date for testing: 19 December 2014

Date results received: 20 February 2015

Quarterly Test Round

Field Note: LP002 commenced analysis for Leachate parameters (LP001 sampling terminated).

Sample Location ID:	Physical Parameters								
	Date	SWL (m)	RL (m AHD)	Corrected SWL (m AHD)	Temp (°C)	DO mg/L	pH	ORP (mN)	Conductivity (ms/cm)
Investigation Criteria				< 30 m AHD					
Leachate Riser LP002	19/12/2014	36.445	84.264	47.819	50.60	0.15	7.54	-365	19.56
Auxillary Riser		*	73.515	*	NA	NA	NA	NA	NA

bold

Concentration exceeds concentration limits for surface water as per EPL 4865

LOR - Limit of
Reporting

All units in mg/l unless otherwise stated

Sample ID	Date sampled	Leachate Analytical Suite											
		pH	Electrical Conductivity	Total Suspended Solids (TSS)	Total Dissolved Solids (TDS)	Total Organic Carbon (TOC)	Chemical Oxygen Demand (COD)	BOD ₅	Sodium	Potassium	Calcium	Magnesium	Alkalinity as CaCO ₃
LOR		0.01	1	5	5	1	5	2	1	1	1	1	1
LP002	19/12/2014	8.28	19400	<5	13300	3220	9180	2490	2770	360	36	48	7750

All units in mg/l unless otherwise stated

Sample ID	Date sampled	Leachate Analytical Suite														
		Chloride	Sulphate	Fluoride	Iron (total)	Chromium VI (total)	Chromium (total)	Lead (total)	Manganese (total)	Nitrate	Nitrite	Total Nitrogen	Ammonia as N	TKN	ortho-Phosphate	Total Phenols
LOR		1	1	0.1	0.05	0.01	0.001	0.001	0.001	0.01	0.01	0.1	0.01	0.1	0.05	0.05
LP002	19/12/2014	2080	<10	1.8	1.52	<0.10	0.15	0.004	NA	6.1	<0.10	1310	1130	1300	6.03	1.77