

Erskine Park Landfill EPL4865

Link to Environment Protection Licence:

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

September 2015 Quarterly Leachate Results

Date for testing: 11 September 2015

Date results received: 10 November 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	11/09/2015	35.702	83.500	47.798	53.50	0.30	7.78	-392	21.54
Auxillary Riser		*	73.515	*	NA	NA	NA	NA	NA

Notes:

- = Not Tested

NA = Not Applicable

* AUX currently being used to pump leachate into the LTP, no reading obtained

bold

Exceeds adopted site assessment criteria level (Section O5.6 of EPL 4865)

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
LOR		0.01	1	5	5	1	5	2	1	1
LP002	11/09/2015	8.3	21400	111	13700	1830	13800	6680	4800	608

All units in mg/l unless otherwise stated

Sample ID	Date sampled	Leachate Analytical Suite								
		Calcium	Magnesium	Alkalinity as CaCO ₃	Chloride	Sulphate	Fluoride	Iron (total)	Chromium VI (total)	Chromium (total)
LOR		1	1	1	1	1	0.1	0.05	0.01	0.001
LP002	11/09/2015	63	76	7600	2340	<LOR	1.6	4.29	<LOR	0.149

All units in mg/l unless otherwise stated

Sample ID	Date sampled	Leachate Analytical Suite								
		Lead (total)	Manganese (total)	Nitrate	Nitrite	Total Nitrogen	Ammonia as N	TKN	ortho-Phosphate	Total Phenols
LOR		0.001	0.001	0.01	0.01	0.1	0.01	0.1	0.05	0.05
LP002	11/09/2015	0.016	NA	5.37	<LOR	1540	1400	1530	2.75	4.77