

Pollutant Monitoring Results - Leachate

Environmental Protection Licence Number:

5065

Licensee Name:

Lucas Heights Resource Recovery Park

Facility Address:

New Illawarra Rd Lucas Heights, NSW 2234

A copy of the full licence can be found on the PEOE Public Register
<http://www.epa.nsw.gov.au/prpoeoapp/>

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Location Name	Pollutant	Unit of measure	Monitoring Frequency Required by licence	**	**	**	**	No. of samples required	No. of samples collected and analysed	Pollutant Limit	Exceedance (Y/N)	Min	Max	Average	Comments
LD001 (EPA ID 3)	Total Alkalinity as CaCO ₃	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Aluminium	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Arsenic	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Barium	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Benzene	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Benzo(a)pyrene	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Bicarbonate Alkalinity as CaCO ₃	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Biochemical Oxygen Demand	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Cadmium	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Calcium	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Chemical Oxygen Demand	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Chloride	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Hexavalent Chromium	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Chromium	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Cobalt	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Conductivity	uS/cm	Quarterly					4	0	N/A	N	0	0	#DIV/0!	
	Copper	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Ethylbenzene	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Fluoride	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Lead	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Magnesium	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Manganese	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Mercury	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Nickel	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Nitrate as N	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Nitrite as N	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Nitrogen (ammonia)	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Organochlorine pesticides	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Organophosphate pesticides	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	pH	pH	Quarterly					4	0	N/A	N	0	0	#DIV/0!	
	Total Phosphorus	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Polycyclic Aromatic hydrocarbons	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Potassium	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Sodium	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Sulfate	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Toluene	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Total Dissolved Solids	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Total Organic Carbon	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Total Petroleum Hydrocarbons	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Total Phenolics	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Total Suspended Solids	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Xylene	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
	Zinc	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
				13/10/2025	**	**	**								
	Total Alkalinity as CaCO ₃	mg/L	Yearly	4310				1	1	N/A	N	4,310	4,310	4,310	
	Aluminium	mg/L	Yearly	0.26				1	1	N/A	N	0	0	0	
	Arsenic	mg/L	Yearly	0.069				1	1	N/A	N	0	0	0	

LH1DAM (EPA ID 40)	Barium	mg/L	Yearly	0.324				1	1	N/A	N	0	0	0	
	Benzene	mg/L	Yearly	<0.001				1	1	N/A	N	0	0	#DIV/0!	
	Benzo(a)pyrene	mg/L	Yearly	<0.0005				1	1	N/A	N	0	0	#DIV/0!	
	Bicarbonate Alkalinity as CaCO3	mg/L	Yearly	4310				1	1	N/A	N	4,310	4,310	4,310	
	Biochemical Oxygen Demand	mg/L	Yearly	45				1	1	N/A	N	45	45	45	
	Cadmium	mg/L	Yearly	0.0001				1	1	N/A	N	0	0	0	
	Calcium	mg/L	Yearly	79				1	1	N/A	N	79	79	79	
	Chemical Oxygen Demand	mg/L	Yearly	1380				1	1	N/A	N	1,380	1,380	1,380	
	Chloride	mg/L	Yearly	1710				1	1	N/A	N	1,710	1,710	1,710	
	Hexavalent Chromium	mg/L	Yearly	<0.10				1	1	N/A	N	0	0	#DIV/0!	
	Chromium	mg/L	Yearly	0.162				1	1	N/A	N	0	0	0	
	Cobalt	mg/L	Yearly	0.036				1	1	N/A	N	0	0	0	
	Conductivity	uS/cm	Quarterly	11200				4	1	N/A	N	11,200	11,200	11,200	
	Copper	mg/L	Yearly	0.004				1	1	N/A	N	0	0	0	
	Ethylbenzene	mg/L	Yearly	<0.002				1	1	N/A	N	0	0	#DIV/0!	
	Fluoride	mg/L	Yearly	0.5				1	1	N/A	N	1	1	1	
	Lead	mg/L	Yearly	0.005				1	1	N/A	N	0	0	0	
	Magnesium	mg/L	Yearly	42				1	1	N/A	N	42	42	42	
	Manganese	mg/L	Yearly	0.202				1	1	N/A	N	0	0	0	
	Mercury	mg/L	Yearly	<0.0005				1	1	N/A	N	0	0	#DIV/0!	
	Nickel	mg/L	Yearly	0.137				1	1	N/A	N	0	0	0	
	Nitrate as N	mg/L	Yearly	<1.00				1	0	N/A	N	0	0	#DIV/0!	
	Nitrite as N	mg/L	Yearly	15.6				1	1	N/A	N	16	16	16	
	Nitrogen (ammonia)	mg/L	Yearly	669				1	1	N/A	N	669	669	669	
	Organochlorine pesticides	mg/L	Yearly	<0.0008				1	1	N/A	N	0	0	#DIV/0!	
	Organophosphate pesticides	mg/L	Yearly	<0.0024				1	1	N/A	N	0	0	#DIV/0!	
	pH	pH	Quarterly	8.3				4	1	N/A	N	8	8	8	
	Total Phosphorus	mg/L	Yearly	10.4				1	1	N/A	N	10	10	10	
	Polycyclic Aromatic hydrocarbons	mg/L	Yearly	<0.0005				1	1	N/A	N	0	0	#DIV/0!	
	Potassium	mg/L	Yearly	571				1	1	N/A	N	571	571	571	
	Sodium	mg/L	Yearly	1130				1	1	N/A	N	1,130	1,130	1,130	
	Sulfate	mg/L	Yearly	<100				1	1	N/A	N	0	0	#DIV/0!	
	Toluene	mg/L	Yearly	<0.002				1	1	N/A	N	0	0	#DIV/0!	
	Total Dissolved Solids	mg/L	Yearly	5230				1	1	N/A	N	5,230	5,230	5,230	
	Total Organic Carbon	mg/L	Yearly	470				1	1	N/A	N	470	470	470	
	Total Petroleum Hydrocarbons	mg/L	Yearly	1.61				1	1	N/A	N	2	2	2	
	Total Phenolics	mg/L	Yearly	<0.10				1	1	N/A	N	0	0	#DIV/0!	
	Total Suspended Solids	mg/L	Yearly	64				1	1	N/A	N	64	64	64	
	Xylene	mg/L	Yearly	<0.002				1	1	N/A	N	0	0	#DIV/0!	
	Zinc	mg/L	Yearly	0.132				1	1	N/A	N	0	0	0	
	Date Monitoring Data Obtained			20/10/2025											
	Date Uploaded			28/10/2025											

Note:

** - Monitoring date pending

n/a - analysis not done, analysis to be done during the next sampling event.