



Pollutant Monitoring Results - Leachate

Environmental Protection Licence Number: **5065**

Licence 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 POEO Public Register <http://www.epa.nsw.gov.au/prpoeoapp/>

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LHD001 (EPA ID 3)														
Pollutant	Unit of measure	Monitoring Frequency Required by licence	8/07/2024	16/10/2024	**	**	No. of samples required	No. of samples collected and analysed	Pollutant Limit	Exceedance (Y/N)	Min	Max	Average	Comments
Total Alkalinity as CaCO3	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 CaCO3	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	16,900	17400	-	-	4	2	N/A	N	16900	17400	17150	
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	8.61	8.47	-	-	4	2	N/A	N	8.47	8.61	8.54	
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	0	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!	
LH1DAM (EPA ID 40)														
Total Alkalinity as CaCO3	mg/L	Yearly	-	-	-	-	1	0	N/A	N	0	0	#DIV/0!	
Aluminium	mg/L	Yearly	-	-	-	-	1	1	N/A	N	0	0	#DIV/0!	
Arsenic	mg/L	Yearly	-	-	-	-	1	1	N/A	N	0	0	#DIV/0!	
Barium	mg/L	Yearly	-	-	-	-	1	1	N/A	N	0	0	#DIV/0!	
Benzene	mg/L	Yearly	-	-	-	-	1	1	N/A	N	0	0	#DIV/0!	

Pollutant	Unit of measure	Monitoring Frequency Required by licence	8/07/2024	16/10/2024	**	**	No. of samples required	No. of samples collected and analysed	Pollutant Limit	Exceedance (Y/N)	Min	Max	Average	Comments
Benzo(a)pyrene	mg/L	Yearly	-	-	-	-	1	1	N/A	N	0	0	#DIV/0!	
Bicarbonate Alkalinity as CaCO3	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	0	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	10300	13500	-	-	4	2	N/A	N	10300	13500	11900	
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	0	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	0	N/A	N	0	0	#DIV/0!	
Nitrogen (ammonia)	mg/L	Yearly	-	-	-	-	1	0	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	1	N/A	N	0	0	#DIV/0!	
pH	pH	Quarterly	8.35	8.4	-	-	4	2	N/A	N	8.35	8.4	8.375	
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	0	N/A	N	0	0	#DIV/0!	
Sodium	mg/L	Yearly	-	-	-	-	1	0	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!	
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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	1	N/A	N	0	0	#DIV/0!	

Comment:

** - Monitoring date pending