

Pollutant Monitoring Results - Leachate

Environmental Protection Licence Number:

Licensee 5065

Lucas Heights Resource Recovery Park A copy of the full licence can be found on the POEO

http://www.epa.nsw.gov.au/prpoeoapp/

Facility Address:

New Illawarrra Rd Lucas Heights, NSW 2234

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									N6						
		Unit of	Monitoring Frequency					No. of	No. of samples	Pollutant	Exceedance				
Location Name	Pollutant	measure	Required by	**	**	**	**	samples	collected and	Limit	(Y/N)	Min	Max	Average	Comments
		measure	licence					required	analysed	2	(.,,				
	Total Alkalinity as									A1/A			_	#D#//01	
	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 Benzo(a)pyrene	mg/L mg/L	Yearly Yearly					1	1	N/A N/A	N N	0	0	#DIV/0! #DIV/0!	
	Bicarbonate Alkalinity	IIIg/L	теапу					1		IN/A	IN	U	U	#DIV/0!	
	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	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Demand														
	Chloride Hexavalent Chromium	mg/L mg/L	Yearly Yearly					1	1	N/A N/A	N N	0	0	#DIV/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!	
1 D004 (ED4	Magnesium	mg/L	Yearly					1	1	N/A	N	0	0	#DIV/0!	
LD001 (EPA ID 3)	Manganese	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
10 3)	Mercury Nickel	mg/L mg/L	Yearly Yearly					1	0	N/A N/A	N N	0	0	#DIV/0! #DIV/0!	
	Nitrate as N	mg/L	Yearly					1	0	N/A	N 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		Voorle					1	1	NI/A	N	0	0	#DIV/01	
	pesticides	mg/L	Yearly					1	1	N/A	N	U	U	#DIV/0!	
	Organophosphate	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	pesticides														
	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	mg/L	Yearly					1	0	N/A	N	0	0	#DIV/0!	
	Hydrocarbons		· ·											· ·	
	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		V							21/2		4.240	4.240	4.240	
	CaCO3	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	

Bartum														
December		Barium	mg/L	Yearly	0.324		1	1	N/A	N	0	0	0	
Reconcision							1	1			0		#DIV/0!	
Bicarboard Ankalimy mg/L Yeshy 4310 1 1 N/A N 4,310 4,310 4,310 4,310														
Demand mg/L Yearly 45 1 1 N/A N 45 45 45		Bicarbonate Alkalinity					_							
Calcium mg/L Yearly 79 1 1 N/A N 79 79 79 79			mg/L	Yearly	45		1	1	N/A	N	45	45	45	
Calcium		Cadmium	mg/L	Yearly	0.0001		1	1	N/A	N	0	0	0	
Cemeracal Designes mg/L vearly 1300 1 1 1 N/A N 1,380 1,		Calcium					1	1		N	79	79	79	
Chorde mg/L Vestly 1710 1 1 N/A N 1,710 1,			mg/L	Yearly	1380		1	1	N/A	N	1,380	1,380	1,380	
Heavelett Chromium mg/L Nestly 0.010 1 1 1 N/A N 0 0 60N/01			mg/l	Yearly	1710		1	1	N/A	N	1.710	1.710	1.710	
Chromium mg/L Yearly 0.162 1 1 N/A N 0 0 0 0														
Cobalt mg/L Vearly O.036 1 1 N/A N 0 0 0 0								-						
Conductivity US/Cm Quarterly 11200 4 1 N/A N 11,200 11,200 11,200 Coper mg/L Vestry 0,004 1 1 N/A N 0 0 0 0 0 0 0 0 0						<u> </u>								
Copper						<u> </u>		-						
Ethylbersene mg/L Yearly < 0.002								-						
Fluride														
Lead mg/L Yearly 0.005 1 1 1 N/A N 0 0 0 0								-			-	-		
Maganesium mg/L Yearly 42 1 1 N/A N 42 42 42 42 42 42 42						+		-				_		
LHDAM						+								
Mercury mg/L Vearly 0.0005 1 1 1 N/A N 0 0 0 BDIV/O														
Nickel														
Nitrate as N mg/L Vearly 1.00 1 0 N/A N 0 0 abDV/OI	(EPA ID 40)										-	-		
Nitrite as N mg/L Yearly 15.6 1 1 1 N/A N 16 16 16														
Nitrogen (ammonia) mg/L Yearly 669 1 1 1 N/A N 669 669 669 669			mg/L	Yearly	<1.00		1	0	N/A	N	0	0	#DIV/0!	
Organochlorine Desticides mg/L Yearly < 0.0008 1 1 N/A N 0 0 #bIVI/01 Organophosphate pesticides mg/L Yearly < 0.0024		Nitrite as N	mg/L	Yearly			1	1	N/A	N				
Pesticides		Nitrogen (ammonia)	mg/L	Yearly	669		1	1	N/A	N	669	669	669	
Pesticides			mg/L	Yearly	<0.0008		1	1	N/A	N	0	0	#DIV/0!	
Total Phosphorus mg/L Yearly 10.4 1 1 1 N/A N 10 10 10 10 10 10 10 10 10 10 10 10 10			mg/L	Yearly			1	1	N/A	N	0	0	#DIV/0!	
Polycyclic Aromatic hydrocarbons mg/L Yearly Vearly Vearly S71 1 1 N/A N S71 S		pH	pН	Quarterly	8.3		4	1	N/A	N	8	8	8	
hydrocarbons mg/L Yearly COUUDS 1 1 N/A N U U mDIV/UI		Total Phosphorus	mg/L	Yearly	10.4		1	1	N/A	N	10	10	10	
Sodium mg/L Yearly 1130 1 1 1 N/A N 1,130			mg/L	Yearly	<0.0005		1	1	N/A	N	0	0	#DIV/0!	
Sulfate mg/L Yearly <100 1 1 N/A N 0 0 #DIV/O!		Potassium	mg/L	Yearly	571		1	1	N/A	N	571	571	571	
Toluene mg/L Yearly <0.002 1 1 N/A N 0 0 #DIV/OI		Sodium	mg/L	Yearly	1130		1	1	N/A	N	1,130	1,130	1,130	
Toluene		Sulfate	mg/L	Yearly	<100		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		Toluene		Yearly	<0.002		1	1	N/A	N	0	0	#DIV/0!	
Total Organic Carbon mg/L Yearly 470 1 1 N/A N 470 470 470 470		Total Dissolved Solids					1				5,230	5.230		
Total Petroleum Hydrocarbons mg/L Yearly 1.61 1 1 N/A N 2 2 2 2							1			N				
Total Phenolics mg/L Yearly <0.10 1 1 N/A N 0 0 #DIV/0!		Total Petroleum												
Total Suspended Solids mg/L Yearly 64 1 1 N/A N 64 64 64 64			mg/L	Yearly	<0.10		1	1	N/A	N	0	0	#DIV/01	
Zinc mg/t Yearly 0.132 1 1 N/A N 0 0 0														
Zinc mg/t Yearly 0.132 1 1 N/A N 0 0 0		Xylene	mg/L	Yearly	<0.002		1	1	N/A	N	0	0	#DIV/0!	
												0		
		Date Monitor		ined	20/10/2025					•				

<u>Note:</u>
**- Monitoring date pending
n/a - analysis not done, anaylsis to be done during the next sampling event.

Date Uploaded

28/10/2025