



Pollutant Monitoring Results - Surface Water & Discharge of Water

Environment Protection Licence Number: **5065** Licensee Name: **Lucas Heights Resource Recovery Park** Facility Address: **New Illawarra Rd Lucas Heights, NSW, 2233**

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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Sediment Dam

SD005 (EPA ID 23)														
Pollutant	Unit of measure	Monitoring Frequency Required by licence	3/08/2023	25/10/2023	30/01/2024	18/04/2024	No. of samples required	No. of samples collected and analysed	Pollutant Limit	Exceedance (Y/N)	Min	Max	Average	Comments
Total Suspended Solids	mg/L	Quarterly	<5	10	88	246	4	4	NA	N	10	246	114.67	
Ammonia as N	mg/L	Quarterly	2.43	2.43	0.2	0.62	4	4	NA	N	0.2	2.43	1.42	

Discharge To Waters

		Ammonia	Conductivity	pH	Total Phenolics	Dissolved Oxygen	Suspended Solids	Potassium	Total Dissolved Solids	Total Organic Carbon	Comments
		mg/L	uS/cm	pH units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Pollutant Limit		2.5	1500	5.5-8.5	0.32	>6	50	NA	NA	NA	
MC1 (EPA ID 1)	1/09/2023	1.07	583	7.82	<0.05	8.8	20	12	308	7	
	6/11/2023	0.58	559	7.25	-	8.7	79	20	392	13	Lab error - total phenolics was missed due to administration errors, DO above the pollutant limit
	17/11/2023	0.35	620	7.95	<0.05	9.1	107	27	498	16	
	30/11/2023	0.92	521	7.95	<0.05	8	62	16	436	11	
	25/12/2023	0.3	334	7.67	<0.05	8.9	301	10	293	13	
	6/02/2024	0.37	403	7.33	<0.05	7	1440	18	354	18	
	20/02/2024	0.49	471	7.8	-	9.6	30	10	324	9	Lab error - total phenolics was missed due to administration errors, DO above the pollutant limit
	5/04/2024	0.89	526	7.72	<0.05	9.5	10	11	292	9	
	8/04/2024	0.54	207	7.16	<0.05	6.8	1500	9	244	21	
	6/05/2024	0.29	457	7.88	<0.05	9.2	377	22	295	15	
	13/05/2024	0.78	495	7.29	<0.05	6.5	162	15	356	23	
	3/06/2024	0.14	309	7.56	<0.05	10.4	188	10	268	14	
	6/06/2024	0.3	444	7.68	<0.05	9	98	13	362	13	
	24/06/2024	0.83	284	7.45	<0.05	9.6	1210	9	240	14	
	2/07/2024	0.81	379	7.83	<0.05	9.7	103	11	270	11	
	8/07/2024	0.67	404	7.49	<0.06	10.4	6	8	243	11	
No. of samples required	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	Special frequency 1	
No. of samples collected and analysed	16	16	16	14	16	16	16	16	16	16	
Min	0.35	521	7.25	0	8	20	12	308	7		
Max	1.07	620	7.95	0	9.1	107	27	498	16		
Average	0.73	570.75	7.7425	<0.05	8.65	67	18.75	408.5	11.75		
	1/09/2023	0.97					<5				
	6/11/2023	1.82					5				
	17/11/2023	0.62					11				
	30/11/2023	0.92					<5				
	25/12/2023	0.41					8				
	6/02/2024	0.07					<5				
	20/02/2024	0.57					<5				
	5/04/2024	0.33					11				
	6/05/2024	0.2					40				

		Ammonia	Conductivity	pH	Total Phenolics	Dissolved Oxygen	Suspended Solids	Potassium	Total Dissolved Solids	Total Organic Carbon	Comments
		mg/L	uS/cm	pH units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
DS001 (EPA ID 21)	13/05/2024	0.18					18				
	3/06/2024	0.25					<5				
	24/06/2024	1.35					22				
	2/07/2024	1.58					32				
	8/07/2024	1.62					21				
	No. of samples required	Special frequency 2					Special frequency 2				
	No. of samples collected and analysed	14					14				
	Min	0.07					5.00				
	Max	1.82					40.00				
Average	0.82					18.67					
OF001 (EPA ID 22)	6/11/2023	1.04					106				
	30/11/2023	0.7					262				
	25/12/2023	0.38					520				
	6/02/2024	0.49					1830				
	8/04/2024	0.34					1510				
	6/05/2024	0.26					778				
	13/05/2024	1.18					186				
	3/06/2024	9.7					398				
	6/6/0224	0.4					416				
	24/06/2024	1.38					752				
	2/07/2024	1.44					234				
	No. of samples required	Special frequency 1					Special frequency 1				
	No. of samples collected and analysed	11					11				
	Min	0.26					106.00				
	Max	9.70					1830.00				
Average	1.57					635.64					

* As per L2.5 The licensee is taken not to have breached the licence total suspended solids concentration limits for Point 1 and Point 22 if:

- a. the overflow is caused by a rainfall event; and
- b. the licensee has taken all practical measures to avoid and minimise water pollution

Any exceedances in suspended solids during this reporting period were due to rainfall events.