

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	8/07/2024	16/10/2024	7/01/2025	28/04/2025	14/07/2025	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	94	92	83	79	50	4	3	NA	N	<5	94	87.00	
Ammonia as N	mg/L	Quarterly	1.6	2.49	3.77	2.1	2.37	4	4	NA	N	1.6	3.77	2.49	
Date Monitoring Data Obtained			19/07/2024	23/10/2024	15/01/2025	9/05/2025	21/07/2025								
Date Monitoring Data Uploaded						20/05/2025	1/08/2025								

Discharge of Water

				Ammonia	Conductivity	pH	Total Phenolics	Dissolved Oxygen	Total 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	
	Date Monitoring Data Uploaded	Date Monitoring Data Obtained	Date Monitored										
MC1 (EPA ID 1)		6/11/2024	25/10/2024	1.85	550	8.05	<0.05	9.4	34	10	318	9	
		27/11/2024	19/11/2024	0.54	477	7.2	<0.05	8.7	29	11	291	9	
		17/12/2024	6/12/2024	0.83	343	7.55	<0.05	9	9	9	226	7	
		20/12/2024	13/12/2024	1.18	396	8.01	<0.05	10.7	<5	9	244	9	
		21/01/2025	11/01/2025	0.22	394	7.92	<0.05	8.3	175	11	290	10	
		28/01/2025	16/01/2025	0.56	300	6.98	<0.05	8.2	887	8	264	10	
		28/01/2025	17/01/2025	0.68	400	7.91	<0.05	9	26	8	286	13	
	21/02/2025	4/02/2025	27/01/2025	1.61	420	7.63	<0.05	9	<5	8	270	8	
	26/03/2025	19/03/2025	11/03/2025	0.5	508	7.86	<0.05	9.1	<5	6	324	105	
	8/04/2025	7/04/2025	29/03/2025	0.27	418	7.8	<0.05	10	14	11	232	14	
	29/04/2025	15/04/2025	4/04/2025	2.45	560	7.76	<0.05	10	21	13	355	10	
	20/05/2025	6/05/2025	29/04/2025	0.29	479	7.95	<0.05	8.6	<5	8	334	10	
	10/06/2025	6/06/2025	19/05/2025	0.43	493	8.12	<0.05	10	<5	10	306	11	
	10/06/2025	30/05/2025	22/05/2025	0.42	499	8.01	<0.05	9.3	250	18	350	18	
	22/07/2025	11/06/2025	2/06/2025	0.2	484	7.51	<0.05	9.1	<5	8	330	22	
	22/07/2025	10/07/2025	2/07/2025	0.65	323	7.48	<0.05	8.7	473	8	327	13	
	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	
	No. of samples collected and analysed			16	16	16	16	16	16	16	16	16	
	Min			0.2	300	6.98	<0.05	8.2	9	6	226	7	
	Max			2.45	560	8.12	<0.05	10.7	887	18	355	105	
	Average			1	440	8	<0.05	9	192	10	297	17	
		6/11/2024	25/10/2024	1.84					14				
		27/11/2024	19/11/2024	0.47					34				

				Ammonia	Conductivity	pH	Total Phenolics	Dissolved Oxygen	Total 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)		17/12/2024	6/12/2024	0.87					14				
		20/12/2024	13/12/2024	0.96					10				
		21/01/2025	11/01/2025	0.98					36				
		28/01/2025	17/01/2025	0.96					40				
	21/02/2025	4/02/2025	27/01/2025	1.54					12				
	26/03/2025	19/03/2025	11/03/2025	1.58					13				
	8/04/2025	7/04/2025	29/03/2025	1.33					6				
	29/04/2025	15/04/2025	4/04/2025	2.05					8				
	20/05/2025	6/05/2025	29/04/2025	1.76					<5				
	10/06/2025	27/05/2025	19/05/2025	2.03					5				
	22/07/2025	11/06/2025	2/06/2025	1.57					47				
	25/07/2025	10/07/2025	2/07/2025	2.5					73				
	No. of samples required			Special frequency 2					Special frequency 2				
	No. of samples collected and analysed			14					13				
	Min			0.47					5.00				
	Max			2.05					47.00				
	Average			1.38					19.92				
OF001 (EPA ID 22)		21/01/2025	11/01/2025	0.56					589				
		28/01/2025	16/01/2025	0.44					969				
	8/04/2025	7/04/2025	29/03/2025	1.26					225				
	10/06/2025	30/05/2025	22/05/2025	1.34					332				
	22/07/2025	10/07/2025	2/07/2025	0.61					871				
	No. of samples required			Special frequency 1					Special frequency 1				
	No. of samples collected and analysed			5					5				
	Min			0.44					225				
	Max			1.34					969				
	Average			0.84					597				

Comment:

*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.

*** - Monitoring date pending