



Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence Number: **5065**

Licensee Name: **Lucas Heights Resource Recovery Park**

Facility Address: **New Illawarra Rd Lucas Heights, NSW 2234**

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Date Monitoring Data Obtained	Sampling Point as per Licence	No. of times measured during reporting period	Pollutant	Monitoring Frequency Required by licence	Actual Value	Unit	Pollutant limit as per Licence	Exceedance (Y/N or NA)	Comments
7/12/2021	MB008 (Point 4)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	16	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Bicarbonate Alkalinity	Quarterly	16	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Calcium (II) Ion	Quarterly	2	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Chloride	Quarterly	80	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Magnesium (II) Ion	Quarterly	9.3	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Nitrate as N in water	Quarterly	0.03	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Ammonia as N	Quarterly	0.017	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	pH (field)	Quarterly	5.25	pH units	N/A	N	
7/12/2021	MB008 (Point 4)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Redox (field)	Quarterly	178.9	mV	N/A	N	
7/12/2021	MB008 (Point 4)	1	Sodium (Na)	Quarterly	31	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Standing Water Level	Quarterly	16.3	mBTOC	N/A	N	
7/12/2021	MB008 (Point 4)	1	Sulphate	Quarterly	7	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Temperature (field)	Quarterly	18.5	deg c	N/A	N	
7/12/2021	MB008 (Point 4)	1	Total Dissolved Solids	Quarterly	220	mg/L	N/A	N	
7/12/2021	MB008 (Point 4)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	67	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Bicarbonate Alkalinity	Quarterly	67	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Calcium (II) Ion	Quarterly	23	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Chloride	Quarterly	1800	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Magnesium (II) Ion	Quarterly	110	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Nitrate as N in water	Quarterly	0.007	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Ammonia as N	Quarterly	0.12	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	pH (field)	Quarterly	5.44	pH units	N/A	N	
7/12/2021	MB023 (Point 44)	1	Phosphorus	Quarterly	2.2	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Potassium (I) Ion	Quarterly	24	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Redox (field)	Quarterly	168.9	mV	N/A	N	
7/12/2021	MB023 (Point 44)	1	Sodium (Na)	Quarterly	1000	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Standing Water Level	Quarterly	8.13	mBTOC	N/A	N	
7/12/2021	MB023 (Point 44)	1	Sulphate	Quarterly	230	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Temperature (field)	Quarterly	16.8	deg c	N/A	N	
7/12/2021	MB023 (Point 44)	1	Total Dissolved Solids	Quarterly	4000	mg/L	N/A	N	
7/12/2021	MB023 (Point 44)	1	Total Organic Carbon	Quarterly	5	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	37	mg/L	N/A	N	



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7/12/2021	MB032 (Point 7)	1	Bicarbonate Alkalinity	Quarterly	37	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Calcium (II) Ion	Quarterly	7.1	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Chloride	Quarterly	100	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Magnesium (II) Ion	Quarterly	12	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Nitrate as N in water	Quarterly	0.054	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Ammonia as N	Quarterly	0.094	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	pH (field)	Quarterly	5.46	pH units	N/A	N	
7/12/2021	MB032 (Point 7)	1	Phosphorus	Quarterly	0.3	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Potassium (I) Ion	Quarterly	2	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Redox (field)	Quarterly	138.1	mV	N/A	N	
7/12/2021	MB032 (Point 7)	1	Sodium (Na)	Quarterly	48	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Standing Water Level	Quarterly	11.63	mBTOC	N/A	N	
7/12/2021	MB032 (Point 7)	1	Sulphate	Quarterly	10	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Temperature (field)	Quarterly	17.7	deg c	N/A	N	
7/12/2021	MB032 (Point 7)	1	Total Dissolved Solids	Quarterly	240	mg/L	N/A	N	
7/12/2021	MB032 (Point 7)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	51	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Bicarbonate Alkalinity	Quarterly	51	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Calcium (II) Ion	Quarterly	8.4	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Chloride	Quarterly	100	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Magnesium (II) Ion	Quarterly	12	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Nitrate as N in water	Quarterly	0.13	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Nitrite as N in water	Quarterly	0.006	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Ammonia as N	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	pH (field)	Quarterly	5.99	pH units	N/A	N	
7/12/2021	MB033 (Point 18)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Potassium (I) Ion	Quarterly	3	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Redox (field)	Quarterly	84.1	mV	N/A	N	
7/12/2021	MB033 (Point 18)	1	Sodium (Na)	Quarterly	52	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Standing Water Level	Quarterly	4.36	mBTOC	N/A	N	
7/12/2021	MB033 (Point 18)	1	Sulphate	Quarterly	6	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Temperature (field)	Quarterly	17.3	deg c	N/A	N	
7/12/2021	MB033 (Point 18)	1	Total Dissolved Solids	Quarterly	280	mg/L	N/A	N	
7/12/2021	MB033 (Point 18)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	17	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Bicarbonate Alkalinity	Quarterly	17	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Calcium (II) Ion	Quarterly	2	mg/L	N/A	N	



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7/12/2021	MB034 (Point 8)	1	Chloride	Quarterly	98	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Magnesium (II) Ion	Quarterly	8	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Nitrate as N in water	Quarterly	0.007	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Ammonia as N	Quarterly	0.88	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	pH (field)	Quarterly	5.06	pH units	N/A	N	
7/12/2021	MB034 (Point 8)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Potassium (I) Ion	Quarterly	0.9	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Redox (field)	Quarterly	163.4	mV	N/A	N	
7/12/2021	MB034 (Point 8)	1	Sodium (Na)	Quarterly	48	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Standing Water Level	Quarterly	3.7	mBTOC	N/A	N	
7/12/2021	MB034 (Point 8)	1	Sulphate	Quarterly	9	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Temperature (field)	Quarterly	16.7	deg c	N/A	N	
7/12/2021	MB034 (Point 8)	1	Total Dissolved Solids	Quarterly	240	mg/L	N/A	N	
7/12/2021	MB034 (Point 8)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	<5	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Bicarbonate Alkalinity	Quarterly	<5	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Calcium (II) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Chloride	Quarterly	95	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Magnesium (II) Ion	Quarterly	6.9	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Nitrate as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Ammonia as N	Quarterly	0.096	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	pH (field)	Quarterly	433	pH units	N/A	N	
7/12/2021	MB035 (Point 19)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Redox (field)	Quarterly	190	mV	N/A	N	
7/12/2021	MB035 (Point 19)	1	Sodium (Na)	Quarterly	44	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Standing Water Level	Quarterly	2.69	mBTOC	N/A	N	
7/12/2021	MB035 (Point 19)	1	Sulphate	Quarterly	13	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Temperature (field)	Quarterly	16.5	deg c	N/A	N	
7/12/2021	MB035 (Point 19)	1	Total Dissolved Solids	Quarterly	230	mg/L	N/A	N	
7/12/2021	MB035 (Point 19)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	5	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Bicarbonate Alkalinity	Quarterly	5	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Calcium (II) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Chloride	Quarterly	150	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Magnesium (II) Ion	Quarterly	11	mg/L	N/A	N	



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7/12/2021	MB038 (Point 24)	1	Nitrate as N in water	Quarterly	0.03	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Ammonia as N	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	pH (field)	Quarterly	6	pH units	N/A	N	
7/12/2021	MB038 (Point 24)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Redox (field)	Quarterly	110	mV	N/A	N	
7/12/2021	MB038 (Point 24)	1	Sodium (Na)	Quarterly	68	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Standing Water Level	Quarterly	21.22	mBTOC	N/A	N	
7/12/2021	MB038 (Point 24)	1	Sulphate	Quarterly	23	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Temperature (field)	Quarterly	17.8	deg c	N/A	N	
7/12/2021	MB038 (Point 24)	1	Total Dissolved Solids	Quarterly	290	mg/L	N/A	N	
7/12/2021	MB038 (Point 24)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	15	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Bicarbonate Alkalinity	Quarterly	15	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Calcium (II) Ion	Quarterly	2	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Chloride	Quarterly	88	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Magnesium (II) Ion	Quarterly	6.4	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Nitrate as N in water	Quarterly	<-0.005	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Nitrite as N in water	Quarterly	<-0.005	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Ammonia as N	Quarterly	0.008	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	pH (field)	Quarterly	4.97	pH units	N/A	N	
7/12/2021	MB040 (Point 26)	1	Phosphorus	Quarterly	<-0.05	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Redox (field)	Quarterly	135.9	mV	N/A	N	
7/12/2021	MB040 (Point 26)	1	Sodium (Na)	Quarterly	38	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Standing Water Level	Quarterly	11.81	mBTOC	N/A	N	
7/12/2021	MB040 (Point 26)	1	Sulphate	Quarterly	15	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Temperature (field)	Quarterly	17.7	deg c	N/A	N	
7/12/2021	MB040 (Point 26)	1	Total Dissolved Solids	Quarterly	240	mg/L	N/A	N	
7/12/2021	MB040 (Point 26)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	22	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Bicarbonate Alkalinity	Quarterly	22	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Calcium (II) Ion	Quarterly	3	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Chloride	Quarterly	74	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Magnesium (II) Ion	Quarterly	8.6	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Nitrate as N in water	Quarterly	0.005	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	



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7/12/2021	MB044 (Point 45)	1	Ammonia as N	Quarterly	0.015	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	pH (field)	Quarterly	5.47	pH units	N/A	N	
7/12/2021	MB044 (Point 45)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Redox (field)	Quarterly	148.2	mV	N/A	N	
7/12/2021	MB044 (Point 45)	1	Sodium (Na)	Quarterly	29	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Standing Water Level	Quarterly	20.93	mBTOC	N/A	N	
7/12/2021	MB044 (Point 45)	1	Sulphate	Quarterly	8	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Temperature (field)	Quarterly	24.8	deg c	N/A	N	
7/12/2021	MB044 (Point 45)	1	Total Dissolved Solids	Quarterly	210	mg/L	N/A	N	
7/12/2021	MB044 (Point 45)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	24	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Bicarbonate Alkalinity	Quarterly	24	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Calcium (II) Ion	Quarterly	3	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Chloride	Quarterly	76	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Magnesium (II) Ion	Quarterly	10	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Nitrate as N in water	Quarterly	0.01	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Ammonia as N	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	pH (field)	Quarterly	5.46	pH units	N/A	N	
7/12/2021	MB045 (Point 46)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Redox (field)	Quarterly	152.3	mV	N/A	N	
7/12/2021	MB045 (Point 46)	1	Sodium (Na)	Quarterly	30	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Standing Water Level	Quarterly	16.15	mBTOC	N/A	N	
7/12/2021	MB045 (Point 46)	1	Sulphate	Quarterly	7	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Temperature (field)	Quarterly	18.5	deg c	N/A	N	
7/12/2021	MB045 (Point 46)	1	Total Dissolved Solids	Quarterly	200	mg/L	N/A	N	
7/12/2021	MB045 (Point 46)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	29	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Bicarbonate Alkalinity	Quarterly	29	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Calcium (II) Ion	Quarterly	8.2	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Chloride	Quarterly	96	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Magnesium (II) Ion	Quarterly	10	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Nitrate as N in water	Quarterly	0.03	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Nitrite as N in water	Quarterly	0.005	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Ammonia as N	Quarterly	0.09	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	pH (field)	Quarterly	4.47	pH units	N/A	N	



Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence
Number:

5065

Licensee Name:

Lucas Heights Resource Recovery Park

Facility Address:

New Illawarra Rd Lucas
Heights, NSW 2234

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Date Monitoring Data Obtained	Sampling Point as per Licence	No. of times measured during reporting period	Pollutant	Monitoring Frequency Required by licence	Actual Value	Unit	Pollutant limit as per Licence	Exceedance (Y/N or NA)	Comments
7/12/2021	MB305 (Point 16)	1	Phosphorus	Quarterly	0.06	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Potassium (I) Ion	Quarterly	2	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Redox (field)	Quarterly	202.3	mV	N/A	N	
7/12/2021	MB305 (Point 16)	1	Sodium (Na)	Quarterly	48	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Standing Water Level	Quarterly	10.44	mBTOC	N/A	N	
7/12/2021	MB305 (Point 16)	1	Sulphate	Quarterly	10	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Temperature (field)	Quarterly	16.9	deg c	N/A	N	
7/12/2021	MB305 (Point 16)	1	Total Dissolved Solids	Quarterly	240	mg/L	N/A	N	
7/12/2021	MB305 (Point 16)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	<5	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Bicarbonate Alkalinity	Quarterly	<5	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Calcium (II) Ion	Quarterly	4	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Chloride	Quarterly	110	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Magnesium (II) Ion	Quarterly	7.9	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Nitrate as N in water	Quarterly	0.23	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Ammonia as N	Quarterly	0.07	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	pH (field)	Quarterly	4.07	pH units	N/A	N	
7/12/2021	MB306 (Point 17)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Potassium (I) Ion	Quarterly	0.6	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Redox (field)	Quarterly	199.2	mV	N/A	N	
7/12/2021	MB306 (Point 17)	1	Sodium (Na)	Quarterly	50	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Standing Water Level	Quarterly	6.4	mBTOC	N/A	N	
7/12/2021	MB306 (Point 17)	1	Sulphate	Quarterly	8	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Temperature (field)	Quarterly	16.7	deg c	N/A	N	
7/12/2021	MB306 (Point 17)	1	Total Dissolved Solids	Quarterly	220	mg/L	N/A	N	
7/12/2021	MB306 (Point 17)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	78	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Bicarbonate Alkalinity	Quarterly	78	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Calcium (II) Ion	Quarterly	8.1	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Chloride	Quarterly	160	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Magnesium (II) Ion	Quarterly	15	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Nitrate as N in water	Quarterly	0.02	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Ammonia as N	Quarterly	0.011	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	pH (field)	Quarterly	4.96	pH units	N/A	N	
7/12/2021	MB047 (Point 48)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Potassium (I) Ion	Quarterly	4	mg/L	N/A	N	



Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence Number: **5065**

Licensee Name: **Lucas Heights Resource Recovery Park**

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Date Monitoring Data Obtained	Sampling Point as per Licence	No. of times measured during reporting period	Pollutant	Monitoring Frequency Required by licence	Actual Value	Unit	Pollutant limit as per Licence	Exceedance (Y/N or NA)	Comments
7/12/2021	MB047 (Point 48)	1	Redox (field)	Quarterly	161.8	mV	N/A	N	
7/12/2021	MB047 (Point 48)	1	Sodium (Na)	Quarterly	94	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Standing Water Level	Quarterly	30.1	mBTOC	N/A	N	
7/12/2021	MB047 (Point 48)	1	Sulphate	Quarterly	19	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Temperature (field)	Quarterly	18.7	deg c	N/A	N	
7/12/2021	MB047 (Point 48)	1	Total Dissolved Solids	Quarterly	410	mg/L	N/A	N	
7/12/2021	MB047 (Point 48)	1	Total Organic Carbon	Quarterly	2	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	65	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Bicarbonate Alkalinity	Quarterly	65	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Calcium (II) Ion	Quarterly	13	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Chloride	Quarterly	380	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Magnesium (II) Ion	Quarterly	39	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Nitrate as N in water	Quarterly	0.02	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Ammonia as N	Quarterly	0.008	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	pH (field)	Quarterly	5.81	pH units	N/A	N	
7/12/2021	MB046 (Point 47)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Potassium (I) Ion	Quarterly	3	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Redox (field)	Quarterly	159.8	mV	N/A	N	
7/12/2021	MB046 (Point 47)	1	Sodium (Na)	Quarterly	190	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Standing Water Level	Quarterly	21.93	mBTOC	N/A	N	
7/12/2021	MB046 (Point 47)	1	Sulphate	Quarterly	25	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Temperature (field)	Quarterly	19.7	deg c	N/A	N	
7/12/2021	MB046 (Point 47)	1	Total Dissolved Solids	Quarterly	790	mg/L	N/A	N	
7/12/2021	MB046 (Point 47)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	120	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Bicarbonate Alkalinity	Quarterly	120	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Calcium (II) Ion	Quarterly	44	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Chloride	Quarterly	240	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Magnesium (II) Ion	Quarterly	31	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Nitrate as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Ammonia as N	Quarterly	0.1	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	pH (field)	Quarterly	6.54	pH units	N/A	N	
7/12/2021	MB048 (Point 49)	1	Phosphorus	Quarterly	0.1	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Potassium (I) Ion	Quarterly	4	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Redox (field)	Quarterly	-16.8	mV	N/A	N	
7/12/2021	MB048 (Point 49)	1	Sodium (Na)	Quarterly	110	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Standing Water Level	Quarterly	18.58	mBTOC	N/A	N	



Pollutant Monitoring Results - General Pollutant

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Date Monitoring Data Obtained	Sampling Point as per Licence	No. of times measured during reporting period	Pollutant	Monitoring Frequency Required by licence	Actual Value	Unit	Pollutant limit as per Licence	Exceedance (Y/N or NA)	Comments
7/12/2021	MB048 (Point 49)	1	Sulphate	Quarterly	33	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Temperature (field)	Quarterly	19.1	deg c	N/A	N	
7/12/2021	MB048 (Point 49)	1	Total Dissolved Solids	Quarterly	560	mg/L	N/A	N	
7/12/2021	MB048 (Point 49)	1	Total Organic Carbon	Quarterly	5	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	280	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Bicarbonate Alkalinity	Quarterly	280	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Calcium (II) Ion	Quarterly	49	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Chloride	Quarterly	150	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Magnesium (II) Ion	Quarterly	25	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Nitrate as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Nitrite as N in water	Quarterly	<0.005	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Ammonia as N	Quarterly	0.85	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	pH (field)	Quarterly	7.73	pH units	N/A	N	
7/12/2021	MB049 (Point 50)	1	Phosphorus	Quarterly	<0.05	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Potassium (I) Ion	Quarterly	4	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Redox (field)	Quarterly	-44.8	mV	N/A	N	
7/12/2021	MB049 (Point 50)	1	Sodium (Na)	Quarterly	180	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Standing Water Level	Quarterly	20.12	mBTOC	N/A	N	
7/12/2021	MB049 (Point 50)	1	Sulphate	Quarterly	120	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Temperature (field)	Quarterly	19.1	deg c	N/A	N	
7/12/2021	MB049 (Point 50)	1	Total Dissolved Solids	Quarterly	640	mg/L	N/A	N	
7/12/2021	MB049 (Point 50)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	