



## 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
20/09/2017	MB008 (Point 4)	1	Standing Water Level	Quarterly	15.19	mBTOC	N/A	N	
20/09/2017	MB008 (Point 4)	1	Dissolved Oxygen (field)	Quarterly	0.62	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Electrical Conductivity (field)	Quarterly	305	uS/cm	N/A	N	
20/09/2017	MB008 (Point 4)	1	pH (field)	Quarterly	5	pH units	N/A	N	
20/09/2017	MB008 (Point 4)	1	Redox (field)	Quarterly	207	mV	N/A	N	
20/09/2017	MB008 (Point 4)	1	Temperature (field)	Quarterly	21.1	deg c	N/A	N	
20/09/2017	MB008 (Point 4)	1	Turbidity	Quarterly	1000	NTU	N/A	N	
20/09/2017	MB008 (Point 4)	1	Total Dissolved Solids	Quarterly	150	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Sodium (Na)	Quarterly	43	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Potassium (I) Ion	Quarterly	1.4	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Calcium (II) Ion	Quarterly	2.6	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Magnesium (II) Ion	Quarterly	9.4	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	28	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Chloride	Quarterly	80	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Sulphate	Quarterly	7	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Ammonia as N	Quarterly	0.096	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Total Organic Carbon	Quarterly	10	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB008 (Point 4)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Standing Water Level	Quarterly	12.36	mBTOC	N/A	N	

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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
20/09/2017	MB032 (Point 7)	1	Dissolved Oxygen (field)	Quarterly	0.33	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Electrical Conductivity (field)	Quarterly	477	uS/cm	N/A	N	
20/09/2017	MB032 (Point 7)	1	pH (field)	Quarterly	5.79	pH units	N/A	N	
20/09/2017	MB032 (Point 7)	1	Redox (field)	Quarterly	-42	mV	N/A	N	
20/09/2017	MB032 (Point 7)	1	Temperature (field)	Quarterly	21.1	deg c	N/A	N	
20/09/2017	MB032 (Point 7)	1	Turbidity	Quarterly	150	NTU	N/A	N	
20/09/2017	MB032 (Point 7)	1	Total Dissolved Solids	Quarterly	230	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Sodium (Na)	Quarterly	62	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Potassium (I) Ion	Quarterly	2.7	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Calcium (II) Ion	Quarterly	8.2	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Magnesium (II) Ion	Quarterly	13	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	61	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Chloride	Quarterly	100	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Sulphate	Quarterly	10	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Ammonia as N	Quarterly	0.33	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Total Organic Carbon	Quarterly	5	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB032 (Point 7)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Standing Water Level	Quarterly	4.49	mBTOC	N/A	N	
20/09/2017	MB033 (Point 18)	1	Dissolved Oxygen (field)	Quarterly	4.53	mg/L	N/A	N	



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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
20/09/2017	MB033 (Point 18)	1	Electrical Conductivity (field)	Quarterly	420	uS/cm	N/A	N	
20/09/2017	MB033 (Point 18)	1	pH (field)	Quarterly	5.64	pH units	N/A	N	
20/09/2017	MB033 (Point 18)	1	Redox (field)	Quarterly	29	mV	N/A	N	
20/09/2017	MB033 (Point 18)	1	Temperature (field)	Quarterly	17.8	deg c	N/A	N	
20/09/2017	MB033 (Point 18)	1	Turbidity	Quarterly	160	NTU	N/A	N	
20/09/2017	MB033 (Point 18)	1	Total Dissolved Solids	Quarterly	200	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Sodium (Na)	Quarterly	59	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Potassium (I) Ion	Quarterly	2.1	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Calcium (II) Ion	Quarterly	6	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Magnesium (II) Ion	Quarterly	11	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	45	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Chloride	Quarterly	97	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Ammonia as N	Quarterly	0.022	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Total Organic Carbon	Quarterly	2	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	TPH C6 - C9	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB033 (Point 18)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Standing Water Level	Quarterly	3.5	mBTOC	N/A	N	
20/09/2017	MB034 (Point 8)	1	Dissolved Oxygen (field)	Quarterly	4.85	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Electrical Conductivity (field)	Quarterly	361	uS/cm	N/A	N	



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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
20/09/2017	MB034 (Point 8)	1	pH (field)	Quarterly	4.32	pH units	N/A	N	
20/09/2017	MB034 (Point 8)	1	Redox (field)	Quarterly	136	mV	N/A	N	
20/09/2017	MB034 (Point 8)	1	Temperature (field)	Quarterly	17.3	deg c	N/A	N	
20/09/2017	MB034 (Point 8)	1	Turbidity	Quarterly	38	NTU	N/A	N	
20/09/2017	MB034 (Point 8)	1	Total Dissolved Solids	Quarterly	190	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Sodium (Na)	Quarterly	58	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Calcium (II) Ion	Quarterly	2.3	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Magnesium (II) Ion	Quarterly	7.8	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	19	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Chloride	Quarterly	99	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Ammonia as N	Quarterly	0.011	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB034 (Point 8)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Standing Water Level	Quarterly	2.87	mBTOC	N/A	N	
20/09/2017	MB035 (Point 19)	1	Dissolved Oxygen (field)	Quarterly	1.69	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Electrical Conductivity (field)	Quarterly	352	uS/cm	N/A	N	
20/09/2017	MB035 (Point 19)	1	pH (field)	Quarterly	3.99	pH units	N/A	N	



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20/09/2017	MB035 (Point 19)	1	Redox (field)	Quarterly	147	mV	N/A	N	
20/09/2017	MB035 (Point 19)	1	Temperature (field)	Quarterly	16.4	deg c	N/A	N	
20/09/2017	MB035 (Point 19)	1	Turbidity	Quarterly	160	NTU	N/A	N	
20/09/2017	MB035 (Point 19)	1	Total Dissolved Solids	Quarterly	180	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Sodium (Na)	Quarterly	60	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Potassium (I) Ion	Quarterly	1.4	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Calcium (II) Ion	Quarterly	0.8	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Magnesium (II) Ion	Quarterly	7	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	<5	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Chloride	Quarterly	96	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Sulphate	Quarterly	14	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Ammonia as N	Quarterly	0.025	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Total Organic Carbon	Quarterly	2	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB035 (Point 19)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Standing Water Level	Quarterly	24.54	mBTOC	N/A	N	
20/09/2017	MB038 (Point 24)	1	Dissolved Oxygen (field)	Quarterly	2.73	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Electrical Conductivity (field)	Quarterly	553	uS/cm	N/A	N	
20/09/2017	MB038 (Point 24)	1	pH (field)	Quarterly	3.82	pH units	N/A	N	
20/09/2017	MB038 (Point 24)	1	Redox (field)	Quarterly	415	mV	N/A	N	



## Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence  
Number:

5065

Licensee Name:

Lucas Heights Resource Recovery Park

Facility Address:

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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
20/09/2017	MB038 (Point 24)	1	Temperature (field)	Quarterly	19.5	deg c	N/A	N	
20/09/2017	MB038 (Point 24)	1	Turbidity	Quarterly	560	NTU	N/A	N	
20/09/2017	MB038 (Point 24)	1	Total Dissolved Solids	Quarterly	270	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Sodium (Na)	Quarterly	82	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Potassium (I) Ion	Quarterly	1.6	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Calcium (II) Ion	Quarterly	1	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Magnesium (II) Ion	Quarterly	12	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	<5	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Chloride	Quarterly	150	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Sulphate	Quarterly	14	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Ammonia as N	Quarterly	0.006	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Total Organic Carbon	Quarterly	4	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB038 (Point 24)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Standing Water Level	Quarterly	13.73	mBTOC	N/A	N	
20/09/2017	MB040 (Point 26)	1	Dissolved Oxygen (field)	Quarterly	0.32	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Electrical Conductivity (field)	Quarterly	359	uS/cm	N/A	N	
20/09/2017	MB040 (Point 26)	1	pH (field)	Quarterly	4.97	pH units	N/A	N	
20/09/2017	MB040 (Point 26)	1	Redox (field)	Quarterly	149	mV	N/A	N	
20/09/2017	MB040 (Point 26)	1	Temperature (field)	Quarterly	18.6	deg c	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
20/09/2017	MB040 (Point 26)	1	Turbidity	Quarterly	86	NTU	N/A	N	
20/09/2017	MB040 (Point 26)	1	Total Dissolved Solids	Quarterly	170	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Sodium (Na)	Quarterly	56	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Potassium (I) Ion	Quarterly	1.4	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Calcium (II) Ion	Quarterly	2.1	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Magnesium (II) Ion	Quarterly	6.4	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	25	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Chloride	Quarterly	91	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Ammonia as N	Quarterly	0.014	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Total Organic Carbon	Quarterly	2	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB040 (Point 26)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Standing Water Level	Quarterly	Not tested well dry	mBTOC	N/A	N	
20/09/2017	MB041 (Point 27)	1	Dissolved Oxygen (field)	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Electrical Conductivity (field)	Quarterly	Not tested well dry	uS/cm	N/A	N	
20/09/2017	MB041 (Point 27)	1	pH (field)	Quarterly	Not tested well dry	pH units	N/A	N	
20/09/2017	MB041 (Point 27)	1	Redox (field)	Quarterly	Not tested well dry	mV	N/A	N	



## Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence  
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5065

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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
20/09/2017	MB041 (Point 27)	1	Temperature (field)	Quarterly	Not tested well dry	deg c	N/A	N	
20/09/2017	MB041 (Point 27)	1	Turbidity	Quarterly	Not tested well dry	NTU	N/A	N	
20/09/2017	MB041 (Point 27)	1	Total Dissolved Solids	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Sodium (Na)	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Potassium (I) Ion	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Calcium (II) Ion	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Magnesium (II) Ion	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Chloride	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Sulphate	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Ammonia as N	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Total Organic Carbon	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Naphthalene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Acenaphthylene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Acenaphthene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Fluorene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Phenanthrene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Anthracene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Fluoranthene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Pyrene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Benzo(a)anthracene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Chrysene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Benzo(b,j&k)fluoranthene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Benzo(a)pyrene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Indeno(1,2,3-cd)pyrene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Dibenz(a,h)anthracene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	Benzo(g,h,i)perylene	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	TPH C5 - C9	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	TPH C10 - C14	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	TPH C15 - C28	Quarterly	Not tested well dry	mg/L	N/A	N	
20/09/2017	MB041 (Point 27)	1	TPH C29 - C36	Quarterly	Not tested well dry	mg/L	N/A	N	





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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
20/09/2017	MB305 (Point 16)	1	Standing Water Level	Quarterly	10.91	mBTOC	N/A	N	
20/09/2017	MB305 (Point 16)	1	Dissolved Oxygen (field)	Quarterly	3.15	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Electrical Conductivity (field)	Quarterly	435	uS/cm	N/A	N	
20/09/2017	MB305 (Point 16)	1	pH (field)	Quarterly	4.77	pH units	N/A	N	
20/09/2017	MB305 (Point 16)	1	Redox (field)	Quarterly	69	mV	N/A	N	
20/09/2017	MB305 (Point 16)	1	Temperature (field)	Quarterly	15.8	deg c	N/A	N	
20/09/2017	MB305 (Point 16)	1	Turbidity	Quarterly	260	NTU	N/A	N	
20/09/2017	MB305 (Point 16)	1	Total Dissolved Solids	Quarterly	200	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Sodium (Na)	Quarterly	58	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Potassium (I) Ion	Quarterly	1.7	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Calcium (II) Ion	Quarterly	6.1	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Magnesium (II) Ion	Quarterly	10	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	43	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Chloride	Quarterly	98	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Sulphate	Quarterly	12	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Ammonia as N	Quarterly	0.051	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	



## Pollutant Monitoring Results - General Pollutant

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20/09/2017	MB305 (Point 16)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB305 (Point 16)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Standing Water Level	Quarterly	6.85	mBTOC	N/A	N	
20/09/2017	MB306 (Point 17)	1	Dissolved Oxygen (field)	Quarterly	5.35	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Electrical Conductivity (field)	Quarterly	398	uS/cm	N/A	N	
20/09/2017	MB306 (Point 17)	1	pH (field)	Quarterly	3.39	pH units	N/A	N	
20/09/2017	MB306 (Point 17)	1	Redox (field)	Quarterly	135	mV	N/A	N	
20/09/2017	MB306 (Point 17)	1	Temperature (field)	Quarterly	15.9	deg c	N/A	N	
20/09/2017	MB306 (Point 17)	1	Turbidity	Quarterly	2.6	NTU	N/A	N	
20/09/2017	MB306 (Point 17)	1	Total Dissolved Solids	Quarterly	200	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Sodium (Na)	Quarterly	62	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Potassium (I) Ion	Quarterly	0.7	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Calcium (II) Ion	Quarterly	5	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Magnesium (II) Ion	Quarterly	7.8	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	9	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Chloride	Quarterly	110	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Sulphate	Quarterly	10	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Ammonia as N	Quarterly	0.094	mg/L	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

*Disclaimer - Monitoring data contained in this document is made available as required by Section 66(6) of the Protection of the Environment Operations Act 1997 and in accordance with the requirements issued in writing by the Environment Protection Authority. To the best of SUEZ's knowledge, the data in this table is correct, except where specifically noted. The information and data in this table must not be published elsewhere by any means without prior consent from SUEZ. For more details on publication of pollution monitoring data refer to the NSW EPA Website [www.epa.nsw.gov.au](http://www.epa.nsw.gov.au)*

A copy of the full licence can be found on the POEO Public Register  
<http://www.epa.nsw.gov.au/orpoecapp/>

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
20/09/2017	MB306 (Point 17)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Benzo(b,j,k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
20/09/2017	MB306 (Point 17)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	