

## 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
13/12/2016	MB008 (Point 4)	1	Standing Water Level	Quarterly	15.23	mBTOC	N/A	N	
13/12/2016	MB008 (Point 4)	1	Dissolved Oxygen (field)	Quarterly	0.49	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Electrical Conductivity (field)	Quarterly	301	uS/cm	N/A	N	
13/12/2016	MB008 (Point 4)	1	pH (field)	Quarterly	4.93	pH units	N/A	N	
13/12/2016	MB008 (Point 4)	1	Redox (field)	Quarterly	180	mV	N/A	N	
13/12/2016	MB008 (Point 4)	1	Temperature (field)	Quarterly	20.7	deg c	N/A	N	
13/12/2016	MB008 (Point 4)	1	Turbidity	Quarterly	530	NTU	N/A	N	
13/12/2016	MB008 (Point 4)	1	Total Dissolved Solids	Quarterly	180	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Sodium (Na)	Quarterly	47	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Potassium (I) Ion	Quarterly	1.1	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Calcium (II) Ion	Quarterly	2.6	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Magnesium (II) Ion	Quarterly	9.5	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	16	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Chloride	Quarterly	74	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Sulphate	Quarterly	7	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Ammonia as N	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB008 (Point 4)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Standing Water Level	Quarterly	12.6	mBTOC	N/A	N	



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13/12/2016	MB032 (Point 7)	1	Dissolved Oxygen (field)	Quarterly	0.36	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Electrical Conductivity (field)	Quarterly	472	uS/cm	N/A	N	
13/12/2016	MB032 (Point 7)	1	pH (field)	Quarterly	5.46	pH units	N/A	N	
13/12/2016	MB032 (Point 7)	1	Redox (field)	Quarterly	21	mV	N/A	N	
13/12/2016	MB032 (Point 7)	1	Temperature (field)	Quarterly	26.6	deg c	N/A	N	
13/12/2016	MB032 (Point 7)	1	Turbidity	Quarterly	230	NTU	N/A	N	
13/12/2016	MB032 (Point 7)	1	Total Dissolved Solids	Quarterly	220	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Sodium (Na)	Quarterly	59	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Potassium (I) Ion	Quarterly	2	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Calcium (II) Ion	Quarterly	7.1	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Magnesium (II) Ion	Quarterly	12	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	35	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Chloride	Quarterly	92	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Ammonia as N	Quarterly	0.053	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB032 (Point 7)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Standing Water Level	Quarterly	3.98	mBTOC	N/A	N	
13/12/2016	MB033 (Point 18)	1	Dissolved Oxygen (field)	Quarterly	0.57	mg/L	N/A	N	



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13/12/2016	MB033 (Point 18)	1	Electrical Conductivity (field)	Quarterly	399	uS/cm	N/A	N	
13/12/2016	MB033 (Point 18)	1	pH (field)	Quarterly	5.41	pH units	N/A	N	
13/12/2016	MB033 (Point 18)	1	Redox (field)	Quarterly	89	mV	N/A	N	
13/12/2016	MB033 (Point 18)	1	Temperature (field)	Quarterly	29.1	deg c	N/A	N	
13/12/2016	MB033 (Point 18)	1	Turbidity	Quarterly	61	NTU	N/A	N	
13/12/2016	MB033 (Point 18)	1	Total Dissolved Solids	Quarterly	210	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Sodium (Na)	Quarterly	56	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Potassium (I) ion	Quarterly	1.9	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Calcium (II) ion	Quarterly	6.1	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Magnesium (II) ion	Quarterly	12	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	34	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Chloride	Quarterly	91	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Ammonia as N	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB033 (Point 18)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Standing Water Level	Quarterly	4.45	mBTOC	N/A	N	
13/12/2016	MB034 (Point 8)	1	Dissolved Oxygen (field)	Quarterly	2.47	mg/L	N/A	N	
13/12/2016	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
13/12/2016	MB034 (Point 8)	1	pH (field)	Quarterly	4.81	pH units	N/A	N	
13/12/2016	MB034 (Point 8)	1	Redox (field)	Quarterly	154	mV	N/A	N	
13/12/2016	MB034 (Point 8)	1	Temperature (field)	Quarterly	20.5	deg c	N/A	N	
13/12/2016	MB034 (Point 8)	1	Turbidity	Quarterly	29	NTU	N/A	N	
13/12/2016	MB034 (Point 8)	1	Total Dissolved Solids	Quarterly	180	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Sodium (Na)	Quarterly	57	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Potassium (I) Ion	Quarterly	0.9	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Calcium (II) Ion	Quarterly	2.1	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Magnesium (II) Ion	Quarterly	7.8	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	9	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Chloride	Quarterly	90	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Sulphate	Quarterly	10	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Ammonia as N	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB034 (Point 8)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Standing Water Level	Quarterly	3.1	mBTOC	N/A	N	
13/12/2016	MB035 (Point 19)	1	Dissolved Oxygen (field)	Quarterly	0.15	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Electrical Conductivity (field)	Quarterly	349	uS/cm	N/A	N	
13/12/2016	MB035 (Point 19)	1	pH (field)	Quarterly	4.25	pH units	N/A	N	

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13/12/2016	MB035 (Point 19)	1	Redox (field)	Quarterly	201	mV	N/A	N	
13/12/2016	MB035 (Point 19)	1	Temperature (field)	Quarterly	19.1	deg c	N/A	N	
13/12/2016	MB035 (Point 19)	1	Turbidity	Quarterly	31	NTU	N/A	N	
13/12/2016	MB035 (Point 19)	1	Total Dissolved Solids	Quarterly	170	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Sodium (Na)	Quarterly	53	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Potassium (I) Ion	Quarterly	1	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Calcium (II) Ion	Quarterly	0.8	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Magnesium (II) Ion	Quarterly	6.7	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	<1	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Chloride	Quarterly	86	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Sulphate	Quarterly	12	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Ammonia as N	Quarterly	0.012	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB035 (Point 19)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Standing Water Level	Quarterly	25.81	mBTOC	N/A	N	
13/12/2016	MB038 (Point 24)	1	Dissolved Oxygen (field)	Quarterly	2.1	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Electrical Conductivity (field)	Quarterly	569	uS/cm	N/A	N	
13/12/2016	MB038 (Point 24)	1	pH (field)	Quarterly	3.8	pH units	N/A	N	
13/12/2016	MB038 (Point 24)	1	Redox (field)	Quarterly	353	mV	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
13/12/2016	MB038 (Point 24)	1	Temperature (field)	Quarterly	22.1	deg c	N/A	N	
13/12/2016	MB038 (Point 24)	1	Turbidity	Quarterly	160	NTU	N/A	N	
13/12/2016	MB038 (Point 24)	1	Total Dissolved Solids	Quarterly	260	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Sodium (Na)	Quarterly	86	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Potassium (I) Ion	Quarterly	1.7	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Calcium (II) Ion	Quarterly	0.9	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Magnesium (II) Ion	Quarterly	12	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	<1	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Chloride	Quarterly	140	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Ammonia as N	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Total Organic Carbon	Quarterly	2	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Dibenzo(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB038 (Point 24)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Standing Water Level	Quarterly	14.76	mBTOC	N/A	N	
13/12/2016	MB040 (Point 26)	1	Dissolved Oxygen (field)	Quarterly	0.39	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Electrical Conductivity (field)	Quarterly	369	uS/cm	N/A	N	
13/12/2016	MB040 (Point 26)	1	pH (field)	Quarterly	4.69	pH units	N/A	N	
13/12/2016	MB040 (Point 26)	1	Redox (field)	Quarterly	147	mV	N/A	N	
13/12/2016	MB040 (Point 26)	1	Temperature (field)	Quarterly	22.8	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
13/12/2016	MB040 (Point 26)	1	Turbidity	Quarterly	58	NTU	N/A	N	
13/12/2016	MB040 (Point 26)	1	Total Dissolved Solids	Quarterly	200	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Sodium (Na)	Quarterly	53	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Potassium (I) Ion	Quarterly	1.7	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Calcium (II) Ion	Quarterly	2.1	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Magnesium (II) Ion	Quarterly	6.4	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	19	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Chloride	Quarterly	85	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Sulphate	Quarterly	9	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Ammonia as N	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Total Organic Carbon	Quarterly	2	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB040 (Point 26)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB041 (Point 27)	1	Standing Water Level	Quarterly	nt	mBTOC	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Dissolved Oxygen (field)	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Electrical Conductivity (field)	Quarterly	nt	uS/cm	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	pH (field)	Quarterly	nt	pH units	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Redox (field)	Quarterly	nt	mV	N/A	N	Well Dry



## 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
13/12/2016	MB041 (Point 27)	1	Temperature (field)	Quarterly	nt	deg c	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Turbidity	Quarterly	nt	NTU	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Total Dissolved Solids	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Sodium (Na)	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Potassium (I) Ion	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Calcium (II) Ion	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Magnesium (II) Ion	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Chloride	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Sulphate	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Ammonia as N	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Total Organic Carbon	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Naphthalene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Acenaphthylene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Acenaphthene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Fluorene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Phenanthrene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Anthracene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Fluoranthene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Pyrene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Benzo(a)anthracene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Chrysene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Benzo(b)&(k)fluoranthene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Benzo(a)pyrene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Indeno(1,2,3-cd)pyrene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Dibenz(a,h)anthracene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	Benzo(g,h,i)perylene	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	TPH C6 - C9	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	TPH C10 - C14	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	TPH C15 - C28	Quarterly	nt	mg/L	N/A	N	Well Dry
13/12/2016	MB041 (Point 27)	1	TPH C29 - C36	Quarterly	nt	mg/L	N/A	N	Well Dry





## 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
13/12/2016	MB305 (Point 16)	1	Standing Water Level	Quarterly	11.01	mBTOC	N/A	N	
13/12/2016	MB305 (Point 16)	1	Dissolved Oxygen (field)	Quarterly	0.73	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Electrical Conductivity (field)	Quarterly	435	uS/cm	N/A	N	
13/12/2016	MB305 (Point 16)	1	pH (field)	Quarterly	5.22	pH units	N/A	N	
13/12/2016	MB305 (Point 16)	1	Redox (field)	Quarterly	147	mV	N/A	N	
13/12/2016	MB305 (Point 16)	1	Temperature (field)	Quarterly	23.3	deg c	N/A	N	
13/12/2016	MB305 (Point 16)	1	Turbidity	Quarterly	110	NTU	N/A	N	
13/12/2016	MB305 (Point 16)	1	Total Dissolved Solids	Quarterly	230	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Sodium (Na)	Quarterly	65	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Potassium (I) Ion	Quarterly	2.2	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Calcium (II) Ion	Quarterly	5.8	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Magnesium (II) Ion	Quarterly	10	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	32	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Chloride	Quarterly	91	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Sulphate	Quarterly	11	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Ammonia as N	Quarterly	0.86	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Total Organic Carbon	Quarterly	1	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	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
13/12/2016	MB305 (Point 16)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB305 (Point 16)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Standing Water Level	Quarterly	6.82	mBTOC	N/A	N	
13/12/2016	MB306 (Point 17)	1	Dissolved Oxygen (field)	Quarterly	1.22	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Electrical Conductivity (field)	Quarterly	402	uS/cm	N/A	N	
13/12/2016	MB306 (Point 17)	1	pH (field)	Quarterly	4.56	pH units	N/A	N	
13/12/2016	MB306 (Point 17)	1	Redox (field)	Quarterly	199	mV	N/A	N	
13/12/2016	MB306 (Point 17)	1	Temperature (field)	Quarterly	20.6	deg c	N/A	N	
13/12/2016	MB306 (Point 17)	1	Turbidity	Quarterly	5.8	NTU	N/A	N	
13/12/2016	MB306 (Point 17)	1	Total Dissolved Solids	Quarterly	230	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Sodium (Na)	Quarterly	69	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Potassium (I) Ion	Quarterly	0.5	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Calcium (II) Ion	Quarterly	4.7	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Magnesium (II) Ion	Quarterly	7.8	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Total Alkalinity (Carbonate and Bicarbonate)	Quarterly	6	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Chloride	Quarterly	110	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Sulphate	Quarterly	8	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Ammonia as N	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Total Organic Carbon	Quarterly	<1	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Naphthalene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Acenaphthylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Acenaphthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Fluorene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Phenanthrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Fluoranthene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Benzo(a)anthracene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Chrysene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Benzo(b)&(k)fluoranthene	Quarterly	<0.002	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Benzo(a)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Indeno(1,2,3-cd)pyrene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	Dibenz(a,h)anthracene	Quarterly	<0.001	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

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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
13/12/2016	MB306 (Point 17)	1	Benzo(g,h,i)perylene	Quarterly	<0.001	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	TPH C6 - C9	Quarterly	<0.01	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	TPH C10 - C14	Quarterly	<0.05	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	TPH C15 - C28	Quarterly	<0.1	mg/L	N/A	N	
13/12/2016	MB306 (Point 17)	1	TPH C29 - C36	Quarterly	<0.1	mg/L	N/A	N	