

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 |
|-------------------------------|-------------------------------|---|--|--|--------------|----------|--------------------------------|------------------------|----------|
| 28 Sep 22 | MB008 (Point 4) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | <5 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Bicarbonate Alkalinity | Quarterly | <5 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Calcium (II) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Chloride | Quarterly | 230 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Magnesium (II) Ion | Quarterly | 14 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Nitrate as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Ammonia as N | Quarterly | 0.024 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | pH (field) | Quarterly | 3.67 | pH units | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Phosphorus | Quarterly | <0.05 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Potassium (I) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Redox (field) | Quarterly | 157.1 | mV | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Sodium (Na) | Quarterly | 100 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Standing Water Level | Quarterly | 15.09 | mBTOC | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Sulphate | Quarterly | 32 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Temperature (field) | Quarterly | 18.1 | deg c | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Total Dissolved Solids | Quarterly | 560 | mg/L | N/A | N | |
| 28 Sep 22 | MB008 (Point 4) | 1 | Total Organic Carbon | Quarterly | 47 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 65 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Bicarbonate Alkalinity | Quarterly | 65 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Calcium (II) Ion | Quarterly | 22 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Chloride | Quarterly | 2000 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Magnesium (II) Ion | Quarterly | 120 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Nitrate as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Ammonia as N | Quarterly | 0.44 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | pH (field) | Quarterly | 4.97 | pH units | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Phosphorus | Quarterly | 1.8 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Potassium (I) Ion | Quarterly | 24 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Redox (field) | Quarterly | 21.9 | mV | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Sodium (Na) | Quarterly | 1200 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Standing Water Level | Quarterly | 5.25 | mBTOC | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Sulphate | Quarterly | 220 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Temperature (field) | Quarterly | 17.1 | deg c | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Total Dissolved Solids | Quarterly | 4000 | mg/L | N/A | N | |
| 28 Sep 22 | MB023 (Point 44) | 1 | Total Organic Carbon | Quarterly | 60 | mg/L | N/A | N | |

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| 27 Sep 22 | MB032 (Point 7) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 32 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Bicarbonate Alkalinity | Quarterly | 32 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Calcium (II) Ion | Quarterly | 5.7 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Chloride | Quarterly | 91 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Magnesium (II) Ion | Quarterly | 10 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Nitrate as N in water | Quarterly | 0.01 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Ammonia as N | Quarterly | 0.071 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | pH (field) | Quarterly | 5.26 | pH units | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Phosphorus | Quarterly | 0.4 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Potassium (I) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Redox (field) | Quarterly | 6.2 | mV | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Sodium (Na) | Quarterly | 50 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Standing Water Level | Quarterly | 11.29 | mBTOC | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Sulphate | Quarterly | 16 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Temperature (field) | Quarterly | 17.8 | deg c | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Total Dissolved Solids | Quarterly | 210 | mg/L | N/A | N | |
| 27 Sep 22 | MB032 (Point 7) | 1 | Total Organic Carbon | Quarterly | 40 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 39 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Bicarbonate Alkalinity | Quarterly | 39 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Calcium (II) Ion | Quarterly | 5 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Chloride | Quarterly | 87 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Magnesium (II) Ion | Quarterly | 10 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Nitrate as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Ammonia as N | Quarterly | 0.054 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | pH (field) | Quarterly | 5.38 | pH units | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Phosphorus | Quarterly | 0.6 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Potassium (I) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Redox (field) | Quarterly | 21.3 | mV | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Sodium (Na) | Quarterly | 52 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Standing Water Level | Quarterly | 4.56 | mBTOC | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Sulphate | Quarterly | 8 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Temperature (field) | Quarterly | 12.1 | deg c | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Total Dissolved Solids | Quarterly | 210 | mg/L | N/A | N | |
| 27 Sep 22 | MB033 (Point 18) | 1 | Total Organic Carbon | Quarterly | 15 | mg/L | N/A | N | |

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| 27 Sep 22 | MB034 (Point 8) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 17 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Bicarbonate Alkalinity | Quarterly | 17 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Calcium (II) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Chloride | Quarterly | 89 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Magnesium (II) Ion | Quarterly | 6.8 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Nitrate as N in water | Quarterly | 0.02 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Ammonia as N | Quarterly | 0.06 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | pH (field) | Quarterly | 4.5 | pH units | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Phosphorus | Quarterly | <0.05 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Potassium (I) Ion | Quarterly | 0.8 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Redox (field) | Quarterly | 84.1 | mV | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Sodium (Na) | Quarterly | 49 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Standing Water Level | Quarterly | 3.34 | mBTOC | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Sulphate | Quarterly | 11 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Temperature (field) | Quarterly | 17.1 | deg c | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Total Dissolved Solids | Quarterly | 200 | mg/L | N/A | N | |
| 27 Sep 22 | MB034 (Point 8) | 1 | Total Organic Carbon | Quarterly | 26 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Bicarbonate Alkalinity | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Calcium (II) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Chloride | Quarterly | 87 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Magnesium (II) Ion | Quarterly | 6.2 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Nitrate as N in water | Quarterly | 0.01 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Ammonia as N | Quarterly | 0.037 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | pH (field) | Quarterly | 3.79 | pH units | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Phosphorus | Quarterly | 0.05 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Potassium (I) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Redox (field) | Quarterly | 164.2 | mV | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Sodium (Na) | Quarterly | 48 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Standing Water Level | Quarterly | 2.7 | mBTOC | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Sulphate | Quarterly | 12 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Temperature (field) | Quarterly | 16 | deg c | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Total Dissolved Solids | Quarterly | 200 | mg/L | N/A | N | |
| 27 Sep 22 | MB035 (Point 19) | 1 | Total Organic Carbon | Quarterly | 25 | mg/L | N/A | N | |

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| 28 Sep 22 | MB038 (Point 24) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | <5 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Bicarbonate Alkalinity | Quarterly | <5 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Calcium (II) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Chloride | Quarterly | 140 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Magnesium (II) Ion | Quarterly | 10 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Nitrate as N in water | Quarterly | 0.02 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Ammonia as N | Quarterly | 0.06 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | pH (field) | Quarterly | 3.98 | pH units | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Phosphorus | Quarterly | 0.08 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Potassium (I) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Redox (field) | Quarterly | 188.4 | mV | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Sodium (Na) | Quarterly | 72 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Standing Water Level | Quarterly | 19.78 | mBTOC | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Sulphate | Quarterly | 23 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Temperature (field) | Quarterly | 18.2 | deg c | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Total Dissolved Solids | Quarterly | 390 | mg/L | N/A | N | |
| 28 Sep 22 | MB038 (Point 24) | 1 | Total Organic Carbon | Quarterly | 190 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Bicarbonate Alkalinity | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Calcium (II) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Chloride | Quarterly | 87 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Magnesium (II) Ion | Quarterly | 6.6 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Nitrate as N in water | Quarterly | 0.02 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Ammonia as N | Quarterly | 0.14 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | pH (field) | Quarterly | 3.59 | pH units | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Phosphorus | Quarterly | 0.2 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Potassium (I) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Redox (field) | Quarterly | 125.4 | mV | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Sodium (Na) | Quarterly | 48 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Standing Water Level | Quarterly | 10.81 | mBTOC | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Sulphate | Quarterly | 17 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Temperature (field) | Quarterly | 3.59 | deg c | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Total Dissolved Solids | Quarterly | 200 | mg/L | N/A | N | |
| 27 Sep 22 | MB040 (Point 26) | 1 | Total Organic Carbon | Quarterly | 210 | mg/L | N/A | N | |

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| 27 Sep 22 | MB041 (Point 27) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 2 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Bicarbonate Alkalinity | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Calcium (II) Ion | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Chloride | Quarterly | 84 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Magnesium (II) Ion | Quarterly | 10 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Nitrate as N in water | Quarterly | 0.42 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Ammonia as N | Quarterly | 0.12 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | pH (field) | Quarterly | 3.17 | pH units | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Phosphorus | Quarterly | <0.05 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Potassium (I) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Redox (field) | Quarterly | 189 | mV | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Sodium (Na) | Quarterly | 53 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Standing Water Level | Quarterly | 6.47 | mBTOC | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Sulphate | Quarterly | 140 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Temperature (field) | Quarterly | 17.7 | deg c | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Total Dissolved Solids | Quarterly | 320 | mg/L | N/A | N | |
| 27 Sep 22 | MB041 (Point 27) | 1 | Total Organic Carbon | Quarterly | 170 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 24 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Bicarbonate Alkalinity | Quarterly | 24 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Calcium (II) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Chloride | Quarterly | 76 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Magnesium (II) Ion | Quarterly | 8.5 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Nitrate as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Ammonia as N | Quarterly | 0.063 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | pH (field) | Quarterly | 4.74 | pH units | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Phosphorus | Quarterly | <0.05 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Potassium (I) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Redox (field) | Quarterly | 64 | mV | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Sodium (Na) | Quarterly | 33 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Standing Water Level | Quarterly | 20.26 | mBTOC | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Sulphate | Quarterly | 8 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Temperature (field) | Quarterly | 21.3 | deg c | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Total Dissolved Solids | Quarterly | 220 | mg/L | N/A | N | |
| 28 Sep 22 | MB044 (Point 45) | 1 | Total Organic Carbon | Quarterly | 4 | 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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|-------------------------------|-------------------------------|---|--|--|--------------|----------|--------------------------------|------------------------|---|
| 28 Sep 22 | MB045 (Point 46) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 23 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Bicarbonate Alkalinity | Quarterly | 23 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Calcium (II) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Chloride | Quarterly | 74 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Magnesium (II) Ion | Quarterly | 8.9 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Nitrate as N in water | Quarterly | 0.02 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Ammonia as N | Quarterly | 0.007 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | pH (field) | Quarterly | 5.15 | pH units | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Phosphorus | Quarterly | <0.05 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Potassium (I) Ion | Quarterly | 2 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Redox (field) | Quarterly | 52.4 | mV | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Sodium (Na) | Quarterly | 33 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Standing Water Level | Quarterly | 15.59 | mBTOC | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Sulphate | Quarterly | 8 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Temperature (field) | Quarterly | 18.4 | deg c | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Total Dissolved Solids | Quarterly | 240 | mg/L | N/A | N | |
| 28 Sep 22 | MB045 (Point 46) | 1 | Total Organic Carbon | Quarterly | 11 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 32 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Bicarbonate Alkalinity | Quarterly | 32 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Calcium (II) Ion | Quarterly | 7.1 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Chloride | Quarterly | 89 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Magnesium (II) Ion | Quarterly | 10 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Nitrate as N in water | Quarterly | 0.088 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 2 | Ammonia as N | Quarterly | 1.5 | mg/L | N/A | N | 17 November 2022 retesting = 0.052mg/L. The 27 September 2022 result was believe to be erroneous hence the retesting. |
| 27 Sep 22 | MB305 (Point 16) | 1 | pH (field) | Quarterly | 4.07 | pH units | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Phosphorus | Quarterly | 0.07 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Potassium (I) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Redox (field) | Quarterly | 87.8 | mV | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Sodium (Na) | Quarterly | 56 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Standing Water Level | Quarterly | 9.95 | mBTOC | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Sulphate | Quarterly | 13 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Temperature (field) | Quarterly | 18 | deg c | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Total Dissolved Solids | Quarterly | 240 | mg/L | N/A | N | |
| 27 Sep 22 | MB305 (Point 16) | 1 | Total Organic Carbon | Quarterly | 250 | mg/L | N/A | N | |

Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence
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5065

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|-------------------------------|-------------------------------|---|--|--|--------------|----------|--------------------------------|------------------------|----------|
| 27 Sep 22 | MB306 (Point 17) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Bicarbonate Alkalinity | Quarterly | <5 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Calcium (II) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Chloride | Quarterly | 100 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Magnesium (II) Ion | Quarterly | 7.3 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Nitrate as N in water | Quarterly | 0.19 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Ammonia as N | Quarterly | 0.23 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | pH (field) | Quarterly | 3.12 | pH units | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Phosphorus | Quarterly | <0.05 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Potassium (I) Ion | Quarterly | 0.6 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Redox (field) | Quarterly | 218 | mV | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Sodium (Na) | Quarterly | 52 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Standing Water Level | Quarterly | 4.95 | mBTOC | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Sulphate | Quarterly | 17 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Temperature (field) | Quarterly | 17 | deg c | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Total Dissolved Solids | Quarterly | 230 | mg/L | N/A | N | |
| 27 Sep 22 | MB306 (Point 17) | 1 | Total Organic Carbon | Quarterly | 140 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 44 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Bicarbonate Alkalinity | Quarterly | 44 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Calcium (II) Ion | Quarterly | 4 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Chloride | Quarterly | 120 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Magnesium (II) Ion | Quarterly | 14 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Nitrate as N in water | Quarterly | 0.14 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Ammonia as N | Quarterly | 0.083 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | pH (field) | Quarterly | 4.38 | pH units | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Phosphorus | Quarterly | 0.08 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Potassium (I) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Redox (field) | Quarterly | 48 | mV | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Sodium (Na) | Quarterly | 89 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Standing Water Level | Quarterly | 29.28 | mBTOC | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Sulphate | Quarterly | 22 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Temperature (field) | Quarterly | 17.7 | deg c | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Total Dissolved Solids | Quarterly | 320 | mg/L | N/A | N | |
| 28 Sep 22 | MB047 (Point 48) | 1 | Total Organic Carbon | Quarterly | 170 | mg/L | N/A | N | |

Pollutant Monitoring Results - General Pollutant

Environmental Protection Licence
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5065

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|-------------------------------|-------------------------------|---|--|--|--------------|----------|--------------------------------|------------------------|----------|
| 28 Sep 22 | MB046 (Point 47) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 50 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Bicarbonate Alkalinity | Quarterly | 50 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Calcium (II) Ion | Quarterly | 13 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Chloride | Quarterly | 360 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Magnesium (II) Ion | Quarterly | 38 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Nitrate as N in water | Quarterly | 0.03 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Nitrite as N in water | Quarterly | <-0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Ammonia as N | Quarterly | 0.051 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | pH (field) | Quarterly | 4.49 | pH units | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Phosphorus | Quarterly | <-0.05 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Potassium (I) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Redox (field) | Quarterly | 45.6 | mV | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Sodium (Na) | Quarterly | 190 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Standing Water Level | Quarterly | 21.61 | mBTOC | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Sulphate | Quarterly | 31 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Temperature (field) | Quarterly | 17.9 | deg c | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Total Dissolved Solids | Quarterly | 1000 | mg/L | N/A | N | |
| 28 Sep 22 | MB046 (Point 47) | 1 | Total Organic Carbon | Quarterly | 140 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 41 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Bicarbonate Alkalinity | Quarterly | 41 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Calcium (II) Ion | Quarterly | 25 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Chloride | Quarterly | 170 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Magnesium (II) Ion | Quarterly | 12 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Nitrate as N in water | Quarterly | 0.01 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Nitrite as N in water | Quarterly | <-0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Ammonia as N | Quarterly | 0.025 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | pH (field) | Quarterly | 5.42 | pH units | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Phosphorus | Quarterly | <-0.05 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Potassium (I) Ion | Quarterly | 1 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Redox (field) | Quarterly | 28.7 | mV | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Sodium (Na) | Quarterly | 87 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Standing Water Level | Quarterly | 17.76 | mBTOC | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Sulphate | Quarterly | 19 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Temperature (field) | Quarterly | 19 | deg c | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Total Dissolved Solids | Quarterly | 540 | mg/L | N/A | N | |
| 28 Sep 22 | MB048 (Point 49) | 1 | Total Organic Carbon | Quarterly | 14 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Total Alkalinity (Carbonate and Bicarbonate) | Quarterly | 230 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Bicarbonate Alkalinity | Quarterly | 230 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Calcium (II) Ion | Quarterly | 42 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Chloride | Quarterly | 130 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Magnesium (II) Ion | Quarterly | 13 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Nitrate as N in water | Quarterly | 0.007 | 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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|-------------------------------|-------------------------------|---|------------------------|--|--------------|----------|--------------------------------|------------------------|----------|
| 28 Sep 22 | MB049 (Point 50) | 1 | Nitrite as N in water | Quarterly | <0.005 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Ammonia as N | Quarterly | 0.075 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | pH (field) | Quarterly | 6.31 | pH units | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Phosphorus | Quarterly | 0.1 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Potassium (I) Ion | Quarterly | 3 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Redox (field) | Quarterly | -44.4 | mV | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Sodium (Na) | Quarterly | 140 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Standing Water Level | Quarterly | 19.28 | mBTOC | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Sulphate | Quarterly | 61 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Temperature (field) | Quarterly | 18.8 | deg c | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Total Dissolved Solids | Quarterly | 640 | mg/L | N/A | N | |
| 28 Sep 22 | MB049 (Point 50) | 1 | Total Organic Carbon | Quarterly | 35 | mg/L | N/A | N | |