



## Certificate Of Analysis

**Client:** Kyogle Council (Tradewaste & Environmental)  
**Address:** PO Box 11  
Kyogle NSW 2474  
**Contact:** David Bell  
**Sampled by:** Mia Donnelly  
**\*Subcontract laboratory:** Envirolab (NATA2901)  
**\*Subcontract reference:** 196675

**Report no:** 18/1110 00  
**Date sampled:** 18/07/2018  
**Date received:** 18/07/2018  
**Testing commenced:** 18/07/2018  
**No. samples:** 2  
**Date reported:** 27/07/2018

**Sample ID.** Leachate Pond West 1

**Sample No.** 1

*Sampled in accordance with RWL 2.0 to 2.05*

| PARAMETER                 | Method No. | LOR   | Unit  | Result |
|---------------------------|------------|-------|-------|--------|
| pH                        | APHA4500H  |       | pH    | 8.4    |
| Electrical Conductivity   | APHA2510B  | 1     | µS/cm | 1,500  |
| Chloride                  | RWL 10.09  | 2     | mg/L  | 227    |
| Sulphate#                 | RWL 10.10  | 1     | mg/L  | <1.0   |
| Ammonia-N                 | RWL 10.06  | 0.01  | mg/L  | 2.7    |
| Nitrogen - Nitrate-N      | RWL 10.05  | 0.05  | mg/L  | <0.05  |
| Nitrogen - Nitrite-N      | RWL 10.05  | 0.01  | mg/L  | <0.01  |
| Nitrogen - Total          | RWL 10.04  | 0.1   | mg/L  | 14     |
| Alkalinity (as CaCO3)     | APHA2320B  | 20    | mg/L  | 405    |
| Arsenic (Total)           | APHA3120B  | 0.005 | mg/L  | 0.005  |
| Iron (Total)              | APHA3120B  | 0.005 | mg/L  | 3.1    |
| Manganese (Total)         | APHA3120B  | 0.005 | mg/L  | 0.21   |
| Calcium                   | APHA3120B  | 0.1   | mg/L  | 31.4   |
| Potassium                 | APHA3120B  | 0.1   | mg/L  | 62.0   |
| Magnesium                 | APHA3120B  | 0.1   | mg/L  | 28.2   |
| Sodium                    | APHA3120B  | 0.15  | mg/L  | 216    |
| Dissolved Organic Carbon* | Envirolab  | 1     | mg/L  | 80     |
| TRHC10-C14*               | Envirolab  | 50    | µg/L  | 76     |
| TRHC15-C28*               | Envirolab  | 100   | µg/L  | 450    |
| TRHC29-C36*               | Envirolab  | 100   | µg/L  | 260    |

Final report

Notes:

This report must not be reproduced except in full.  
This report relates only to the items tested as specified herein.  
Samples analysed between date received and date reported.

Accredited for compliance with ISO/IEC 17025.  
# NATA accreditation does not cover the performance of this service.  
Tests marked with a "\*" are subcontracted.  
LOR denotes 'Limit of Reporting'.

A. Hawthorne  
Laboratory Manager  
Approved Authoriser



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**Date received:** 18/07/2018  
**Testing commenced:** 18/07/2018  
**No. samples:** 2  
**Date reported:** 27/07/2018

**Sample ID.** Leachate Pond East 2  
**Sample No.** 2  
*Sampled in accordance with RWL 2.0 to 2.05*


| PARAMETER                 | Method No. | LOR   | Unit  | Result |
|---------------------------|------------|-------|-------|--------|
| pH                        | APHA4500H  |       | pH    | 7.9    |
| Electrical Conductivity   | APHA2510B  | 1     | µS/cm | 1,610  |
| Chloride                  | RWL 10.09  | 2     | mg/L  | 279    |
| Sulphate#                 | RWL 10.10  | 1     | mg/L  | <1.0   |
| Ammonia-N                 | RWL 10.06  | 0.01  | mg/L  | 13     |
| Nitrogen - Nitrate-N      | RWL 10.05  | 0.05  | mg/L  | 0.10   |
| Nitrogen - Nitrite-N      | RWL 10.05  | 0.01  | mg/L  | 0.06   |
| Nitrogen - Total          | RWL 10.04  | 0.1   | mg/L  | 22     |
| Alkalinity (as CaCO3)     | APHA2320B  | 20    | mg/L  | 358    |
| Arsenic (Total)           | APHA3120B  | 0.005 | mg/L  | 0.005  |
| Iron (Total)              | APHA3120B  | 0.005 | mg/L  | 8.2    |
| Manganese (Total)         | APHA3120B  | 0.005 | mg/L  | 0.71   |
| Calcium                   | APHA3120B  | 0.1   | mg/L  | 41.8   |
| Potassium                 | APHA3120B  | 0.1   | mg/L  | 57.9   |
| Magnesium                 | APHA3120B  | 0.1   | mg/L  | 28.1   |
| Sodium                    | APHA3120B  | 0.15  | mg/L  | 213    |
| Dissolved Organic Carbon* | Envirolab  | 1     | mg/L  | 67     |
| TRHC10-C14*               | Envirolab  | 50    | µg/L  | 78     |
| TRHC15-C28*               | Envirolab  | 100   | µg/L  | 120    |
| TRHC29-C36*               | Envirolab  | 100   | µg/L  | <100   |

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 A. Hawthorne  
 Laboratory Manager  
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