

CERTIFICATE OF ANALYSIS

Work Order : **EW1511306**
Client : **WOLLONGONG CITY COUNCIL**
Contact : MR WAYDE PETERSON
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 WOLLONGONG NSW, AUSTRALIA 2500

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Telephone : +61 02 4227 7111
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Project : Helensburgh Leachate Quarterly
Order number : 3044522
C-O-C number : ----
Sampler : Craig Wilson
Site : ----

Quote number : ----

Page : 1 of 2
Laboratory : Environmental Division NSW South Coast
Contact : Glenn Davies
Address : 99 Kenny Street, Wollongong 2500
 Unit 4 / 13 Geary Place, PO Box 3105, North Nowra 2541
 AUSTRALIA
E-mail : glenn.davies@alsglobal.com
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Facsimile : W 02 42253128 N 02 44232083
QC Level : NEPM 2013 Schedule B(3) and ALS QCS3 requirement
Date Samples Received : 14-Aug-2015 13:47
Date Analysis Commenced : 14-Aug-2015
Issue Date : 19-Aug-2015 09:01

No. of samples received : 1
No. of samples analysed : 1

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results



NATA Accredited Laboratory 825

Accredited for compliance with
ISO/IEC 17025.

Signatories

This document has been electronically signed by the authorized signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

| <i>Signatories</i> | <i>Position</i> | <i>Accreditation Category</i> |
|--------------------|---------------------------------------|-------------------------------|
| Glenn Davies | Environmental Services Representative | Laboratory - Wollongong |



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
 LOR = Limit of reporting
 ^ = This result is computed from individual analyte detections at or above the level of reporting
 ø = ALS is not NATA accredited for these tests.

- Sampling and sample data supplied by ALS Wollongong.
- Sampling completed as per FWI-EN002 Surface Water Sampling.
- Field tests completed on day of sampling/receipt.

Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Client sample ID

| | | | | Leachate | ---- | ---- | ---- | ---- |
|---|------------|-----|-------|-------------------|--------|--------|--------|--------|
| Client sampling date / time | | | | 14-Aug-2015 09:28 | ---- | ---- | ---- | ---- |
| Compound | CAS Number | LOR | Unit | EW1511306-001 | ----- | ----- | ----- | ----- |
| | | | | Result | Result | Result | Result | Result |
| EA010FD: Field Conductivity | | | | | | | | |
| Electrical Conductivity (Non Compensated) | ---- | 1 | µS/cm | 801 | ---- | ---- | ---- | ---- |