

5 July 22

Monitoring and Compliance
Gisborne District Council
15 Fitzherbert Street
PO Box 747
Gisborne 4010

By e-mail: compliance.admin@gdc.govt.nz

To whom it may concern,

Re: Matawhero Logyard Cell 3 - DL-2018-108538-00

Please see below the results of the monitoring undertaken on 16.06.2022 as required by conditions 10 - 28 of consent DL-2018-108538-00.

All recorded parameters were below consent trigger limits.

Kind Regards,



Marie Knue
Ecology Consultant
4Sight Consulting Ltd

Analysis Report

Customer: Eastland Port Date Received: 16/06/2022 10:35 AM
 Address: 1 Kaiti Beach Road Date Completed: 4/07/2022 4:48 PM
 Gisborne, 4010
 Attention: Marie Knue Purchase Order #:

Sample Type: Water

	Units	2022002669 Bore GW02	2022002670 Bore GW02
		16/06/2022 10:00	16/06/2022 9:15
Test			
Analytica Laboratories Report		22-22532	22-22532
Conductivity @25°C	µS/cm	719	960
Dissolved Oxygen Field Test	g/m ³	5.4	0.99
pH - Water		7.0	7.0
Salinity	ppt	0.3	0.4
Static Water Level	m	1.40	1.41
Temperature on Site	°C	16.3	15.6

Comments: These samples were also analysed by Analytica Laboratories. Please see attached reports.

Test Standards:

Test	Methodology
Conductivity @25°C	APHA 23rd Ed 2510 B
Salinity	APHA 23rd Ed 2520 B
Temperature on Site	APHA 23rd Ed 2550 B
pH - Water	APHA 23rd 4500-H+ B. Unless stated, measured between 18-22°C
Static Water Level	*
Analytica Laboratories Report	Sub Contracted Tests
Dissolved Oxygen Field Test	APHA 23rd Ed 4500 OG

Authorised By:

Mel Moeller
Laboratory Technician

Certified By:

Stephanie Brew
Water Chemistry KTP
Dipl. Biologist

S. Brew



The NZ mark of competence
Tohu Matataou Aotearoa

All tests reported
herein have been
performed in accordance
with the laboratory's
scope of accreditation

Methods marked with a * are not IANZ accredited.

This report shall not be reproduced except in full, without written approval of the laboratory.

"Detailed activity" stating the start and completion dates and times of individual tests have not been recorded on this report. This information is available upon request.



Certificate of Analysis

Linnaeus Laboratory Limited
 4 Banks Street, Awapuni
 Gisborne 4010

Attention: Sally Chappell
 Phone: 06 867 8512
 Email: sally@linnaeus.co.nz

Lab Reference: 22-22532
 Submitted by: Linnaeus Laboratory Limited
 Date Received: 17/06/2022
 Testing Initiated: 17/06/2022
 Date Completed: 4/07/2022
 Order Number: 949
 Reference:

Sampling Site: Matawhero Log Yard (Eastland Port)

Report Comments

Samples were collected by yourselves (or your agent) and analysed as received at Analytica Laboratories. Samples were in acceptable condition unless otherwise noted on this report. Specific testing dates are available on request.

Elements in Water (Soluble)

Client Sample ID			2022002669 Bore GW02	2022002670 New Monitoring Bore
Date Sampled			16/06/2022	16/06/2022
Analyte	Unit	Reporting Limit	22-22532-1	22-22532-2
Copper	g/m ³	0.0002	0.0020	0.00024
Lead	g/m ³	0.00005	<0.000050	<0.000050
Zinc	g/m ³	0.001	0.0092	<0.0010

Total Petroleum Hydrocarbons - Water

Client Sample ID			2022002669 Bore GW02	2022002670 New Monitoring Bore
Date Sampled			16/06/2022	16/06/2022
Analyte	Unit	Reporting Limit	22-22532-1	22-22532-2
C7-C9	g/m ³	0.2	<0.2	<0.2
C10-C14	g/m ³	0.2	<0.2	<0.2
C15-C36	g/m ³	0.3	<0.3	<0.3
C7-C36 (Total)	g/m ³	0.5	<0.5	<0.5

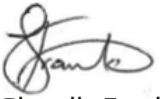
Method Summary

Soluble Trace Elements


Samples were analysed as received by the laboratory using ICP-MS following a 0.45µm membrane filtration (except when field filtered). In house procedure based on US EPA 200.8.

TPH in Water

Solvent extraction, followed by GC-FID analysis (C7-C36). MFE Petroleum Industry Guidelines. (In accordance with in-house procedure based on US EPA 8015).



Sharelle Frank, B.Sc. (Tech)
Technologist



Rong Zhang
Technician

Eastland Port - E004



Matawhero Log Yard Cell 3 Groundwater Sampling - Monthly (until July 2022)

n: Marie Knue (mariek@4sight.co.nz)

REPORT WITH DAILY SUMMARY AND BORE FORMS

Date: 16.6.22 Sampler: DW DO Probe: 139 Job Time: 2/2 Km's: 15

Linnaeus Analyses		Bore GW02	New Monitoring Bore	
Linnaeus Lab Number		2669	2670	
Time Sampled		1000	^{0820 Amie} 0915	
Dissolved Oxygen	g/m ³	5.35	0.99 0.99	
Temperature	°C	16.3	15.6	
Static Water Level	m	1.400	1.410	
METER	Conductivity	µS/cm	719 ✓	960 ✓
	pH		7.0 ✓	7.0 ✓
	Salinity	ppt	0.3 ✓	0.4 ✓

Analytica Analyses

PO: 949 ^{rec'd 17.6.22} Report No. 22-225320407-22 ^{Vmm}

3 x HC	TPH	TPHC7_W	✓	✓
UP100	Dissolved Cu, Pb, Zn	ICP_WS	✓	✓

Field Summary (TAKE PHOTOS)

Weather: Fine Tidal Flow: _____

	GW02	New Monitoring Bore
Bore Conditions:	Good	Good
Surround Conditions:	Good	Good
Purging Results:	5 Litres then Sampled	80 Litres then Sampled

Comments: A Sewage water Sump has been overflowing just outside the yard. Appears mostly Stock yard washdown effluent. Definitely flowing through Yard Drains.

Received By: SB Date: 16.6.22 Time: 10:35
 Checked: _____ Authorised: Vmm 04.07.22 Certified: SB 4.7.22
 Invoiced By: _____ Invoice No. _____ Date: _____

