

8 July 19

Sally McKinnon
Senior Contaminated Land and Ground Water Scientist
Gisborne District Council
15 Fitzherbert Street,
PO Box 747,
Gisborne 4010

By e-mail: Sally.McKinnon@gdc.govt.nz

Dear Sally,

Re: Matawhero Logyard Cell 3 bore monitoring: Consent - DL-2018-108538-00

Please see below the results of the monitoring undertaken on 28/06/2019 as required by conditions 10 – 28 of consent DL-2018-108538-00.

All recorded parameters were below consent trigger limits. As such, no further actions are required in terms of compliance.

Kind Regards,

Oliver Bone
Ecology Consultant
4Sight Consulting Ltd



Matawhero Log Yard (Eastland Port) - E004

Monthly Bore Monitoring

Attn: Oliver Bone (oliverb@4sight.co.nz)



Sample Date: 28/06/2019

Sampler: Dion Williams

DO Probe: 139

Daily Summary Sheet

Weather Conditions: Sunny

Tidal Flow: High Tide

	GW02	New Monitoring Bore
Bore Conditions:	Good	Good
Surrounds Conditions:	Logs close by	Grass
Purging Results:	0.1L/sec for 2 minutes before sampling. Slow recovery	0.1L/sec for 2 minutes before sampling. Good recovery

Comments:

Analysis Report

Customer: Eastland Port
 Address: PO Box 402 053
 Tutukaka, 0153

Date Received: 28/06/2019 2:35 PM
 Date Completed: 8/07/2019 10:27 AM

Attention: Oliver Bone

Purchase Order #:

Sample Type: Water

	Units	2019005827 Bore GW02	2019005828 New Monitoring Bore
		28/06/2019 13:55	28/06/2019 14:28
Test			
Analytica Laboratories Report		19-22236	19-22236
Conductivity @25°C	µS/cm	849	1010
Dissolved Oxygen Field Test*	g/m ³	3.6	0.78
pH - Water		7.1	7.6
Salinity	ppt	0.3	0.4
Static Water Level	m	1.46	1.78
Temperature	°C	16.7	15.4

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

Test Standards:

Test	Methodology
Analytica Laboratories Report	
Conductivity @25°C	APHA 23rd Ed 2510 B
Dissolved Oxygen Field Test*	APHA 23rd Ed 4500 OG
pH - Water	APHA 23rd 4500-H+ B
Salinity	APHA 23rd Ed 2520 B
Static Water Level	*
Temperature	APHA 23rd ed 2550 B

Authorised By:

Steve Donnelly MSc
Senior Technician
KTP Plant Viruses

Certified By:

Brenda Overend
Laboratory Technician
KTP Chemistry and Microbiology



Tests indicated as
not accredited are outside
the scope of the
laboratory's 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.

Report ID: 2019070810274633

Date Issued: 8/07/2019

Linnaeus, PO Box 1199, 4 Banks St, Gisborne 4040, New Zealand GST No. 125-375-855
Tel: +64 6 8678512 Freephone: 0800 254 662 Email: info@linnaeus.co.nz
www.linnaeus.co.nz



Certificate of Analysis

Linnaeus
 4 Banks Street
 Gisborne 4010
 Attention: Stephen Donnelly
 Phone: 06 867 8512
 Email: Stephen.d@linnaeus.co.nz

Lab Reference: 19-22236
 Submitted by: Linnaeus Laboratory Limited
 Date Received: 3/07/2019
 Date Completed: 5/07/2019
 Order Number: 798
 Reference: 798

Sampling Site: Matawhero Log Yard

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.

Elements in Water (Soluble)

Client Sample ID			2019005827 Bore GW02	2019005828 New Monitoring Bore
Date Sampled			28/06/2019	28/06/2019
Analyte	Unit	Reporting Limit	19-22236-1	19-22236-2
Copper	g/m ³	0.0002	0.0018	0.0012
Lead	g/m ³	0.00005	<0.000050	<0.000050
Zinc	g/m ³	0.001	0.013	0.0022

Total Petroleum Hydrocarbons - Water

Client Sample ID			2019005827 Bore GW02	2019005828 New Monitoring Bore
Date Sampled			28/06/2019	28/06/2019
Analyte	Unit	Reporting Limit	19-22236-1	19-22236-2
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

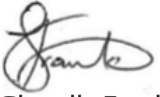
Method Summary

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, silica cleanup, followed by GC-FID analysis (C7-C36). MFE Petroleum Industry Guidelines.



Sharelle Frank, B.Sc. (Tech)
Technologist

