

Test Report

Report of: Drinking Water [European Communities (Drinking Water)(No.2) Regulations 2007 (S.I. No.278 of 2007)].

Report to: Monaghan County Council

Report date: 25/08/15

Location sampled: Lough Egish R.W.S.S

Date collected: 29/06/2015

Date received: 29/06/2015

Analysis group: DW Audit

Comments:

			Laboratory Ref:	1512197
			Type of sample:	Drinking Water
			Sampling point:	3 Co Co. Houses, Latton
			Sampled by:	Dermot McCague
			Time Sampled:	nt
			Start/End - Dates of Analysis:	30-06-15/19-08-15
			Grid Ref:	268970 314200
			Status of results:	Final
Parameter	Units	Limits		
F ** Residual Chlorine	mg/l Cl			0.37
F ** Taste				ATC
F ** Odour				nd
pH	pH	> 6.5 And < 9.5		7.2
True Colour	Hazen			<5
Conductivity @25°C	µS/cm @ 25	< 2760		287
Conductivity @20°C	µS/cm @ 20	< 2500		260
** Coliform Bacteria	No/100 ml	0		0
** E. Coli	No/100 ml	0		0
** Clostridia Perfringens	No/100ml	0		0
** Heterotrophic plate count @ 22°C	No/ml			152
** Enterococci	No/100ml	0		0
Chloride	mg/l Cl	< 250		18
Ammonia	mg/l NH4	< 0.3		<0.026
Nitrite (as NO2)	mg/l NO2	< 0.49		<0.0132
Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000		<23
Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50		<0.89
Nitrate (as NO3)	mg/l NO3	< 50		<0.89
** Bromate	ug/l	< 10		<0.1
** Cyanide	mg/l CN	< 0.05		<0.01
Fluoride	mg/l F	< 0.8		0.62
Total Hardness (as Ca)	mg/l Ca			28
Sulphate	mg/l SO4	< 250		43
** Total Organic Carbon	mg/l C			3.6
Turbidity	NTU			<0.50
Turbidity - Works	NTU			0.8

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Parameter	Units	Limits	
Benzene	ug/l	< 1	<0.60
** Benzo(a)pyrene	ug/l	< 0.01	<0.001
** Total PAH	ug/l	< 0.1	<0.001
** Total Pesticides	ug/l	< 0.5	0.337
1,2-Dichloroethane	ug/l	< 3	<0.60
Trichloroethene	ug/l		<0.20
Tetrachloroethene	ug/l		<0.70
Tetrachloroethane+Trichloroethene	µg/l	< 10	<0.7
Bromodichloromethane	µg/l		17.5
Bromoform	µg/l		<0.6
Chloroform	µg/l		64.0
Dibromochloromethane	µg/l		3.2
Total Trihalomethanes	µg/l	< 100	84.8
Boron	µg/l	< 1000	<10.0
Sodium	mg/l	< 200	33
Aluminium	µg/l	< 200	28
Chromium	µg/l	< 50	<1.0
Iron	µg/l	< 200	<10.0
Manganese	µg/l	< 50	17
Nickel	µg/l	< 20	1.9
Copper	mg/l	< 2	0.01
Arsenic	µg/l	< 10	<1.0
Selenium	µg/l	< 10	<1.0
Cadmium	µg/l	< 5	<0.020
Lead	µg/l	< 10	<1.0
Antimony	µg/l	< 5	<1.0
Mercury	µg/l		<0.020

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| 1) Results highlighted and in bold exceed specified limits. | 8) tntc "Too numerous to count" |
| 2) Uncertainty of measurement values have been assigned for each parameter and those for accredited tests are provided in a separate document. | 9) fqc Indicates that the testing did not meet the quality control criteria as required by INAB and therefore the result cannot be reported. |
| 3) All metals analysed in EPA Richview Laboratory.
All Total Nitrogens analysed in EPA Kilkenny Laboratory.
PAH's, Bromates, Phenols, Pesticides, Atrazine, Simazine and Surfactants are sub-contracted to either Alcontrol Laboratories or TMS Environment Ltd. | 10) F "Field measured parameters" |
| 4) nm "Not measured" | 11) "***" indicates paramters/results produced from non-accredited analytical methods. |
| 5) nd "None detected" | 12) Test Reports relate only to the samples tested and as described on report form. |
| 6) nt "No time" - Time not recorded | 13) Test Reports shall not be reproduced, except in full, without the consent of the EPA. |
| 7) nr "Not reported" | 14) The laboratory is accredited by the INAB only for the parameters listed in the scope of Accreditation. |
| | 15) Coliform Bacteria = Total Coliforms; E.Coli = Faecal Coliforms. |
| | 16) ATC = Acceptable To Consumers |

Signed:



Date:

25/Aug/2015

Ray Smith
Regional Manager,
EPA
Monaghan