

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: 06/11/15

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

Date collected: 14/09/2015

Date received: 14/09/2015

Analysis group: DW Audit

Comments:

			Laboratory Ref:	1513487	1513488	
			Type of sample:	Drinking Water	Drinking Water	
			Sampling point:	Hanley, Corlealackagh	7 Fairgreen, Ballybay	
			Sampled by:	Dermot McCague	Dermot McCague	
			Time Sampled:	nt	nt	
			Start/End - Dates of Analysis:	15-09-15/19-10-15	15-09-15/19-10-15	
			Grid Ref:	278240 323029	271602 320622	
			Status of results:	Final	Final	
Parameter	Units	Limits				
F **	Residual Chlorine	mg/l Cl		0.2	<0.05	
F **	Taste			ATC	ATC	
F **	Odour			nd	nd	
	pH	pH	> 6.5 And < 9.5	8.4	8.4	
	True Colour	Hazen		<5	<5	
	Conductivity @25°C	µS/cm @ 25	< 2760	309	311	
	Conductivity @20°C	µS/cm @ 20	< 2500	279	281	
**	Coliform Bacteria	No/100 ml	0	0	0	
**	E. Coli	No/100 ml	0	0	0	
**	Clostridia Perfringens	No/100ml	0	0	0	
**	Heterotrophic plate count @ 22°C	No/ml		18	49	
**	Enterococci	No/100ml	0	0	0	
	Chloride	mg/l Cl	< 250	18	19	
	Ammonia	mg/l NH4	< 0.3	<0.026	0.027	
	Nitrite (as NO2)	mg/l NO2	< 0.49	<0.0132	<0.0132	
	Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000	<23	23	
	Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50	<0.89	<0.89	
	Nitrate (as NO3)	mg/l NO3	< 50	<0.89	<0.89	
**	Bromate	ug/l	< 10	0.2	<0.1	
**	Cyanide	mg/l CN	< 0.05	<0.01	<0.01	
	Fluoride	mg/l F	< 0.8	0.69	0.72	
	Total Hardness (as Ca)	mg/l Ca		28	27	
	Sulphate	mg/l SO4	< 250	44	45	

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** Total Organic Carbon	mg/l C		5.1	5.0		
Turbidity	NTU		<0.50	<0.50		
Turbidity - Works	NTU		<0.50	<0.50		
Benzene	ug/l	< 1	<0.60	<0.60		
** Benzo(a)pyrene	ug/l	< 0.01	<0.001	<0.001		
** Total PAH	ug/l	< 0.1	0.001	0.002		
** Total Pesticides	ug/l	< 0.5	0.336	0.359		
1,2-Dichloroethane	ug/l	< 3	<0.60	<0.60		
Trichloroethene	ug/l		<0.20	<0.20		
Tetrachloroethene	ug/l		<0.70	<0.70		
Tetrachloroethane+Trichloroethene	µg/l	< 10	<0.7	<0.7		
Bromodichloromethane	µg/l		21.7	24.0		
Bromoform	µg/l		<0.6	<0.6		
Chloroform	µg/l		103.7	113.7		
Dibromochloromethane	µg/l		3.6	4.2		
Total Trihalomethanes	µg/l	< 100	129.1	142.0		
Boron	µg/l	< 1000	<10.0	<10.0		
Sodium	mg/l	< 200	34	33		
Aluminium	µg/l	< 200	47	99		
Chromium	µg/l	< 50	<1.0	<1.0		
Iron	µg/l	< 200	<10.0	17		
Manganese	µg/l	< 50	11	9.9		
Nickel	µg/l	< 20	1.9	1.8		
Copper	mg/l	< 2	0.01	0.01		
Arsenic	µg/l	< 10	<1.0	<1.0		
Selenium	µg/l	< 10	<1.0	<1.0		
Cadmium	µg/l	< 5	<0.020	<0.020		
Lead	µg/l	< 10	<1.0	<1.0		
Antimony	µg/l	< 5	<1.0	<1.0		
Mercury	µg/l		<0.020	<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: _____



Ray Smith
Regional Manager,
EPA
Monaghan

Date: _____

06/Nov/2015