

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: 04/12/14

Location sampled: Carrickmacross P.W.S

Date collected: 20/10/2014

Date received: 20/10/2014


Analysis group: DW Audit

Comments:

			Laboratory Ref:	1413782	1413783	
			Type of sample:	Drinking Water	Drinking Water	
			Sampling point:	82 Cloughvally, Carrickmacross	39 Highfield, Carrickmacross	
			Sampled by:	Dermot McCague	Dermot McCague	
			Time Sampled:	nt	nt	
			Start/End - Dates of Analysis:	21-10-14/21-11-14	21-10-14/21-11-14	
			Grid Ref:	284420 304203	284276 302684	
			Status of results:	Final	Final	
Parameter	Units	Limits				
F **	Residual Chlorine	mg/l Cl		0.21	0.22	
F **	Taste			ATC	ATC	
F **	Odour			nd	nd	
	pH	pH	> 6.5 And < 9.5	7.8	7.9	
	True Colour	Hazen		5	<5	
	Conductivity @25°C	µS/cm @ 25	< 2760	580	580	
	Conductivity @20°C	µS/cm @ 20	< 2500	525	525	
**	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		0	1	
**	Enterococci	No/100ml	0	0	0	
	Chloride	mg/l Cl	< 250	21	21	
	Ammonia	mg/l NH4	< 0.3	<0.026	<0.026	
	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	13	13	
	Nitrate (as NO3)	mg/l NO3	< 50	13	13	
**	Bromate	ug/l	< 10	0.4	0.3	
**	Cyanide	mg/l CN	< 0.05	<0.01	<0.01	
	Fluoride	mg/l F	< 0.8	0.58	0.54	
	Total Hardness (as Ca)	mg/l Ca		103	108	
	Sulphate	mg/l SO4	< 250	11	11	

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** Total Organic Carbon	mg/l C		<1.5	1.6		
Turbidity	NTU		<0.5	<0.5		
Turbidity - Works	NTU		<0.5	<0.5		
** Boron	µg/l	< 1000	14	12		
** Sodium	mg/l	< 200	20	21		
** Aluminium	µg/l	< 200	38	42		
** Chromium	µg/l	< 50	<1.0	<1.0		
** Iron	µg/l	< 200	<10.0	<10.0		
** Manganese	µg/l	< 50	<5.0	<5.0		
** Nickel	µg/l	< 20	<1.0	<1.0		
** Copper	mg/l	< 2	0.02	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	< 25	<1.0	<1.0		
** Antimony	µg/l	< 5	<1.0	<1.0		
** Mercury	µg/l		<0.050	<0.050		
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	<0.001		
** Total Pesticides	ug/l	< 0.5	<0.011	<0.011		
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		4.2	6.2		
Bromoform	µg/l		1.3	2.9		
Chloroform	µg/l		2.8	3.1		
Dibromochloromethane	µg/l		4.7	8.5		
Total Trihalomethanes	µg/l	< 100	13.0	20.7		

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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: 04/Dec/2014
