

## 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:** 03/02/14

**Location sampled:** Glaslough P.W.S

Date collected: 16/12/2013

Date received: 16/12/2013

Analysis group: DW Audit

Comments:

			<b>Laboratory Ref:</b>	1304871
			<b>Type of sample:</b>	Drinking Water
			<b>Sampling point:</b>	40 Ardbanaghaer, Glaslough
			<b>Sampled by:</b>	John Quinn
			<b>Time Sampled:</b>	nt
			<b>Start/End - Dates of Analysis:</b>	
			<b>Grid Ref:</b>	271853 341672
			<b>Status of results:</b>	<b>Final</b>
Parameter	Units	Limits		
F **	Residual Chlorine	mg/l Cl		0.12
F **	Taste			ATC
F **	Odour			nd
W0 g	pH	pH	> 6.5 And < 9.5	7.3
B12	True Colour	Hazen		<5
W0 g	Conductivity @25°C	µS/cm @ 25	< 2760	362
W0 g	Conductivity @20°C	µS/cm @ 20	< 2500	327
**	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		0
**	Enterococci	No/100ml	0	0
W0 7	Chloride	mg/l Cl	< 250	58
W0 7	Ammonia	mg/l NH4	< 0.3	<0.026
W0 7	Nitrite (as NO2)	mg/l NO2	< 0.49	<0.0132
W0 7	Ortho-phosphate (as P2O5)	µg/l P2O5	< 5000	<23
W0 7	Total Oxidised Nitrogen (as NO3)	mg/l NO3	< 50	1.9
W0 7	Nitrate (as NO3)	mg/l NO3	< 50	1.8
**	Bromate	ug/l	< 10	1.6
**	Cyanide	mg/l CN	< 0.05	<0.01
B10	Fluoride	mg/l F	< 0.8	<0.150
B6	Total Hardness (as Ca)	mg/l Ca		42
B10	Sulphate	mg/l SO4	< 250	10.3
**	Total Organic Carbon	mg/l C		3.7
B14	Turbidity	NTU		<0.5
B14	Turbidity - Works	NTU		0.6

<b>Laboratory Ref:</b>	1304871
<b>Type of sample:</b>	Drinking Water
<b>Sampling point:</b>	40 Ardbanaghera, Glaslough
<b>Sampled by:</b>	John Quinn
<b>Time Sampled:</b>	nt
<b>Start/End - Dates of Analysis:</b>	
<b>Grid Ref:</b>	271853 341672
<b>Status of results:</b>	<b>Final</b>

Parameter	Units	Limits	
** Boron	µg/l	< 1000	11.9
** Sodium	mg/l	< 200	21.46
** Aluminium	µg/l	< 200	125.2
** Chromium	µg/l	< 50	<1
** Iron	µg/l	< 200	31.9
** Manganese	µg/l	< 50	<5
** Nickel	µg/l	< 20	<1
** Copper	mg/l	< 2	0.014
** Arsenic	µg/l	< 10	<1
** Selenium	µg/l	< 10	<1
** Cadmium	µg/l	< 5	<0.02
** Lead	µg/l	< 25	<1
** Antimony	µg/l	< 5	<1
B15 Benzene	ug/l	< 1	<0.60
** Benzo(a)pyrene	ug/l	< 0.01	<0.001
** Total PAH	ug/l	< 0.1	0.05
** Total Pesticides	ug/l	< 0.5	0.029
B15 1,2-Dichloroethane	ug/l	< 3	<0.60
B15 Trichloroethene	ug/l		<0.20
B15 Tetrachloroethene	ug/l		<0.70
B15 Tetrachloroethane+Trichloroethene	µg/l	< 10	<0.7
B.1 5 Bromodichloromethane	µg/l		11.7
B.1 5 Bromoform	µg/l		<0.6
B.1 5 Chloroform	µg/l		20.1
B.1 5 Dibromochloromethane	µg/l		3.1
B.1 5 Total Trihalomethanes	µg/l	< 100	34.9

- |  |  |
|--|--|
| 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 parameters/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*

Date:

03/Feb/2014

Ray Smith  
Regional Manager,  
EPA  
Monaghan