

Water Supply Zone - Z101 - Alcrossagh
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven- ing PCV	% of samples contraven- ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	12	14	>200.0	0	0.000	< 0.010	< 6.378	21.000
Ammonium	mg NH4/l	S	12	14	>0.50	0	0.000	< 0.000	< 0.000	< 0.000
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.290	0.800
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.100	0.150	0.300
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.002	0.010
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.313	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	8.000	10.125	13.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.044	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	5.735	19.953	23.042
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	< 0.120	< 0.830	1.310
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	12	12	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	12	15		0	0.000	0.000	0.133	2.000
Colony Counts 37 (48hrs)		S	12	15		0	0.000	0.000	0.067	1.000
Colour	mg/l Pt/C	S	12	14	>20.00	0	0.000	< 0.000	< 2.057	10.000
Conductivity	uS/cm 20	AS	12	12	>2500	0	0.000	338.000	391.383	438.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.400	< 51.111	174.000
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 2.100	< 2.100
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.011
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.005	< 0.010
Dichlorobenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	10		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 9.638	32.051
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	24	24		0	0.000	0.040	0.336	0.500

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							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	12	14	9.50	0	0.000	7.000	7.221	7.400
Iron		S	12	14	>20	0	0.000	< 1.000	< 7.071	54.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	1	11.111	0.000	8.719	68.870
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.004	0.010
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	12	14	>50.0	0	0.000	< 0.932	< 2.286	12.000
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.049	4.350
Nitrate	mg NO3/l	S	8	9	>50.00	1	11.111	12.811	20.287	73.541
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	12	14	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.325	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	13.900	15.622	16.100
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	13.094	15.049	17.090
Taste	Diln No	S	12	14	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	23	>0	0	0.000	0.050	0.353	0.530
Total Coliforms		S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8	>0.100	0	0.000	0.320	0.656	1.380
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	9	>100.0	0	0.000	1.200	10.511	16.000
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity	FTU	S	12	14	>4.00	0	0.000	<0	< 0.041	0.160
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 7400

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							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (Z101AE) Lead = 68.9 ug Pb.
 Sample failed 02-AUG-2004 (Z101AE) Nitrate = 73.5 mg NO.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z102 - Altnahinch
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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	36	>200.0	1	2.778	< 0.000	< 38.133	393.740
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.006	0.036
Antimony	ug Sb/l	S	8	9	>5.0	0	0.000	< 0.170	< 0.313	0.800
Arsenic	ug As/l	S	8	9	>10.0	0	0.000	< 0.120	< 0.187	0.400
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	9	>10.0	0	0.000	< 0.100	< 0.378	0.500
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.750	< 9.000
Bromate	ug/l	S	8	9	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	9	>5.0	0	0.000	0.000	< 0.008	< 0.012
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	7	>250.00	0	0.000	17.018	17.850	19.508
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	9	>5.0	0	0.000	< 0.120	< 0.373	0.540
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	36	35	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	36	36		0	0.000	0.000	8.861	225.000
Colony Counts 37 (48hrs)		S	36	36		0	0.000	0.000	8.667	217.000
Colour	mg/l Pt/C	S	36	36	>20.00	0	0.000	<0	< 2.708	17.400
Conductivity	uS/cm 20	AS	36	35	>2500	0	0.000	63.000	190.106	251.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.000	< 19.589	73.100
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	2.438	4.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	96	96	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 10.543	33.135
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	96	96		0	0.000	0.000	0.150	1.420

Water Supply Zone - Z102 - Altnahinch
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							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	0.000	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	36	9.50	0	0.000	6.820	7.345	8.100
Iron		S	36	36	>20	5	13.889	< 1.000	<143.071	1947.00
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	0.000	0.622	2.060
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	36	>50.0	1	2.778	< 1.000	< 4.335	53.910
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	9	>20.00	0	0.000	< 0.500	< 1.597	6.740
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	0.451	1.363	3.465
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	35	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	9	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	9	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	9.300	10.656	11.500
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	< 0.924	< 44.775	55.574
Taste	Diln No	S	36	35	>3	0	0.000	0.000	0.057	1.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	96	96		0	0.000	0.000	0.179	1.520
Total Coliforms		S	96	96	>0	1	1.042	0.000	0.021	2.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	1.500	2.475	4.240
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	9	>100.0	1	11.111	25.000	62.067	135.600
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	36	36	>4.00	1	2.778	<0	< 0.491	4.870
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 33690

Water Supply Zone - Z102 - Altnahinch
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (Z102AE) Aluminium = 393.74 ug.
 Sample failed 29-MAR-2004 (Z102AE) Iron = 243 ug Fe/.
 Sample failed 26-APR-2004 (Z102AE) Iron = 222 ug Fe/.
 Sample failed 19-JAN-2004 (Z102AE) Iron = 1947 ug Fe.
 Sample failed 26-JAN-2004 (Z102AE) Iron = 214 ug Fe/.
 Sample failed 23-FEB-2004 (Z102AE) Iron = 211 ug Fe/.
 Sample failed 19-JAN-2004 (Z102AE) Manganese = 53.9 ug Mn.
 Sample failed 30-SEP-2004 (Z102AE) Total Coliforms = 2 No./100m.
 Sample failed 18-OCT-2004 (Z102AE) Total Trihalomethanes = 135.6 ug/l.
 Sample failed 19-JAN-2004 (Z102AE) Turbidity = 4.87 FTU.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z103 - Ballinrees
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	52	53	>200.0	0	0.000	14.000	33.725	103.960
Ammonium	mg NH4/l	S	52	52	>0.50	0	0.000	< 0.000	< 0.012	0.220
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.319	0.700
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.195	0.300
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	0.003	0.005	0.012
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.350	0.700
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 9.000	< 11.625	16.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.008	< 0.012
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	7	>250.00	0	0.000	14.680	22.813	33.889
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.230	0.558	0.750
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.016	0.030
Clostridium perfringens		AS	104	104	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	52	53		0	0.000	0.000	7.151	219.000
Colony Counts 37 (48hrs)		S	52	53		0	0.000	0.000	0.604	10.000
Colour	mg/l Pt/C	S	52	53	>20.00	0	0.000	< 0.100	< 2.617	18.200
Conductivity	uS/cm 20	AS	104	103	>2500	0	0.000	194.000	299.343	816.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 3.500	< 31.144	85.700
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	3.050	7.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.012	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	180	183	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 19.257	72.481
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	180	183		0	0.000	0.000	0.074	0.710

Water Supply Zone - Z103 - Ballinrees
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	1	12.500	< 0.020	< 0.051	0.230
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	53	9.50	0	0.000	6.960	7.734	8.610
Iron		S	52	53	>20	0	0.000	< 1.000	< 26.404	192.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	0.000	0.289	0.790
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.012	0.030
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	52	53	>50.0	0	0.000	< 1.000	< 3.289	17.000
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.006	0.010
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.331	2.870
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	< 0.007	< 0.957	1.998
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	53	>3	0	0.000	0.000	0.019	1.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.005	0.012
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	11.700	13.200	14.500
Sulphate	mg SO4/l	AS	8	7	>250	0	0.000	29.910	57.050	74.238
Taste	Diln No	S	52	53	>3	0	0.000	0.000	0.019	1.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	180	183		0	0.000	0.000	0.124	0.630
Total Coliforms		S	180	183	>0	3	1.639	0.000	0.022	2.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	0.840	2.534	3.910
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.079	0.248
Total Trihalomethanes	ug/l	S	8	9	>100.0	0	0.000	44.000	68.078	88.100
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	52	53	>4.00	0	0.000	<0	< 0.129	0.640
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.009
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 76410

Water Supply Zone - Z103 - Ballinrees
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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 17-MAY-2004 (W1701OUT) Glyphosate = 0.23 ug/l.
 Sample failed 18-FEB-2004 (Z103AE) Total Coliforms = 2 No./100m.
 Sample failed 04-OCT-2004 (Z103AE) Total Coliforms = 1 No./100m.
 Sample failed 28-SEP-2004 (Z103AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z104 - Ballymena Borough
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	48	39	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	48	40	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	35	>200.0	0	0.000	< 0.010	< 27.374	123.750
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.012	0.038
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.394	0.900
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.300	0.763	1.200
Asulam	ug/l	AS	48	40	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	48	40	>0.10	0	0.000	< 0.001	< 0.006	0.019
Azinphos methyl	ug/l	AS	48	40	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	48	40	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	48	39	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.288	0.500
Boron	ug B/l	AS	48	40	>1000.0	0	0.000	< 7.000	< 13.925	22.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.011	< 0.012
Chlorfenvinphos	ug/l	AS	48	40	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	48	35	>250.00	0	0.000	11.645	20.642	33.398
Chlorpropham	ug/l	AS	48	40	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	48	40	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.476	0.720
Clopyralid	ug/l	AS	48	40	>0.10	0	0.000	< 0.010	< 0.014	0.060
Clostridium perfringens		AS	84	59	>0	0	0.000	0.000	0.000	0.000
Clostridium perfringens No./100 m		AS	365	361	>0	3	0.831	0.000	0.011	2.000
Colony Counts 22		S	36	35		0	0.000	0.000	4.400	56.000
Colony Counts 37 (48hrs)		S	36	35		0	0.000	0.000	3.314	38.000
Colour	mg/l Pt/C	S	36	35	>20.00	0	0.000	< 0.100	< 2.634	7.300
Conductivity	uS/cm 20	AS	365	360	>2500	0	0.000	< 7.420	<281.689	585.000
Conductivity	uS/cm 20	AS	84	60	>2500	0	0.000	114.000	211.350	384.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	9.300	155.556	774.300
Cyanide	ug CN/l	AS	48	40	>5.0	0	0.000	2.000	2.225	3.000
Cypermethrum	ug/l	AS	48	40	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	48	40	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	48	40	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorobenil	ug/l	AS	48	40	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	48	40	>0.10	0	0.000	< 0.010	< 0.084	< 0.100
Dichlorvos	ug/l	AS	48	40	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Diieldrin	ug/l	AS	48	40	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	48	40	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	48	40	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	96	94	>0	1	1.064	0.000	0.011	1.000
Endosulphan Total	ug/l	AS	48	40	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	48	40	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	48	40	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	48	40	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	48	40	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	48	40	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	48	40	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	48	37	>1.500	0	0.000	< 0.000	< 50.750	505.081

Water Supply Zone - Z104 - Ballymena Borough
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Flutriafol	ug/l	AS	48	40	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	96	94		0	0.000	0.000	0.066	0.680
Gamma-HCH (Lindane)	ug/l	AS	48	40	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	48	39	>0.10	0	0.000	< 0.020	< 0.022	0.050
Heptachlor	ug/l	AS	48	40	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	48	40	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	48	40	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	36	35	9.50	0	0.000	6.660	7.284	8.200
Iron		S	36	35	>200	0	0.000	< 1.000	< 51.686	198.000
Isoproturon	ug/l	AS	48	40	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	0.000	2.846	15.780
MCPA	ug/l	AS	48	40	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	48	40	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	35	>50.0	0	0.000	< 1.000	< 3.963	16.270
Mecoprop (MCP)	ug/l	AS	48	40	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	48	40	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.099	1.720
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	0.152	5.393	24.600
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	35	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substau	g/l	S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	48	40	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	48	40	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	48	40	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.338	0.500
Simazine	ug/l	AS	48	40	>0.100	0	0.000	< 0.001	< 0.006	0.023
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	8.600	12.011	16.600
Sulphate	mg SO4/l	AS	48	37	>250	0	0.000	3.340	18.248	86.545
Taste	Diln No	S	36	35	>3	0	0.000	0.000	0.029	1.000
Tecnazene	ug/l	AS	48	40	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	48	40	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug	ug/l	AS	48	39	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	48	39	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	96	94		0	0.000	0.000	0.133	0.780
Total Coliforms		S	96	94	>0	1	1.064	0.000	0.021	2.000
Total Indicative Dose	mSv/year	AS	48	40	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	48	38		0	0.000	0.500	3.182	5.390
Total Pesticides	ug/l	AS	48	40	>0.5000	0	0.000	< 0.050	< 0.051	0.086
Total Trihalomethanes	ug/l	S	24	29	>100.0	0	0.000	15.800	58.490	104.200
Trifluralin	ug/l	AS	48	40	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	48	40	>100.00	0	0.000	< 0.100	< 36.010	< 40.000
Turbidity	FTU	S	36	35	>4.00	0	0.000	< 0.000	< 0.207	1.840
op-DDT	ug/l	AS	48	40	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	48	40	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 45200

Water Supply Zone - Z104 - Ballymena Borough
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 15-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 03-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 06-FEB-2004 (Z104AE) E_Coli = 1 No./100m.
 Sample failed 06-FEB-2004 (Z104AE) Total Coliforms = 2 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z105 - Bellaghy
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	28	>200.0	0	0.000	< 0.460	< 14.492	86.660
Ammonium	mg NH4/l	S	24	28	>0.50	0	0.000	< 0.000	< 0.003	0.040
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.303	0.800
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.225	0.500
Asulam	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.004	0.008
Azinphos methyl	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	16	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.500	1.500
Boron	ug B/l	AS	16	16	>1000.0	0	0.000	< 7.000	< 8.813	10.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.009	< 0.012
Chlorfenvinphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	15	>250.00	0	0.000	11.645	17.945	25.077
Chlorpropham	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.600	1.036	1.340
Clopyralid	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.016	0.060
Clostridium perfringens		AS	60	59	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	28		0	0.000	0.000	3.643	101.000
Colony Counts 37 (48hrs)		S	24	28		0	0.000	0.000	0.107	2.000
Colour	mg/l Pt/C	S	24	28	>20.00	0	0.000	< 0.000	< 1.375	4.600
Conductivity	uS/cm 20	AS	60	59	>2500	0	0.000	114.000	250.958	426.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	16.600	140.222	456.200
Cyanide	ug CN/l	AS	16	16	>50	0	0.000	< 2.100	< 2.338	5.000
Cypermethrum	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	36	42	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	15	>1.500	0	0.000	< 0.000	< 11.034	69.449
Flutriafol	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	36	41		0	0.000	0.000	0.098	0.280

Water Supply Zone - Z105 - Bellaghy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	16	16	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	28	9.50	0	0.000	7.180	7.364	7.900
Iron		S	24	28	>20	0	0.000	< 0.010	< 12.215	106.000
Isoproturon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	0.000	2.120	8.491
MCPA	ug/l	AS	16	16	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	28	>50.0	0	0.000	< 0.010	< 2.618	9.000
Mecoprop (MCPP)	ug/l	AS	16	16	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	16	16	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.799	1.690
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	2.692	18.785	27.252
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	28	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.003	0.010
Parathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.363	0.600
Simazine	ug/l	AS	16	16	>0.100	0	0.000	< 0.001	< 0.001	0.002
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	12.900	15.500	16.700
Sulphate	mg SO4/l	AS	16	15	>250	0	0.000	3.340	31.131	86.545
Taste	Diln No	S	24	28	>3	0	0.000	0.000	0.036	1.000
Tecnazene	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	16	16	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	41		0	0.000	0.020	0.130	0.260
Total Coliforms		S	36	42	>0	1	2.381	0.000	0.024	1.000
Total Indicative Dose	mSv/year	AS	16	16	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	16	14		0	0.000	0.690	1.553	3.300
Total Pesticides	ug/l	AS	16	16	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	9	>100.0	0	0.000	14.600	34.200	55.400
Trifluralin	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	16	16	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	24	28	>4.00	0	0.000	<0	< 0.061	0.370
op-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13800

Water Supply Zone - Z105 - Bellaghy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 25-NOV-2004 (Z105AE) Total Coliforms = 1 No./100m.

Notes:

- PCV = Prescribed Concentration or Value
- U = Undertaking
- I = Increased Sampling Frequency
- S = Standard Sampling Frequency
- A = Authorised Supply Point

Water Supply Zone - Z106 - Buckna
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	4	5	>200.0	1	20.000	< 0.010	< 54.282	269.000
Ammonium	mg NH4/l	S	4	5	>0.50	0	0.000	< 0.000	< 0.012	0.054
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.485	0.800
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.210	0.400
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	0.002
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.375	0.600
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.750	10.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.028	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	6	>250.00	0	0.000	13.179	16.335	17.570
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	1.010	1.298	1.710
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	24	23	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	4	5		0	0.000	0.000	24.400	82.000
Colony Counts 37 (48hrs)		S	4	5		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	5	>20.00	0	0.000	< 0.100	< 2.020	7.500
Conductivity	uS/cm 20	AS	24	24	>2500	0	0.000	234.000	286.933	384.000
Copper	ug Cu/l	S	4	5	>2.000	0	0.000	23.700	138.360	303.300
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 2.100	< 2.100
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	14	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	4	5		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	7	>1.500	0	0.000	< 0.000	< 80.183	497.950
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	12	14		0	0.000	0.000	0.318	0.940

Water Supply Zone - Z106 - Buckna
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	5	9.50	0	0.000	6.790	6.936	7.200
Iron		S	4	5	>20	0	0.000	< 1.000	< 6.400	15.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	5	>25.0	0	0.000	0.000	6.908	21.050
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	4	5	>50.0	0	0.000	< 1.000	< 1.603	< 2.562
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 0.583	0.830
Nitrate	mg NO3/l	S	4	5	>50.00	0	0.000	1.181	18.537	27.643
Nitrite	mg NO2/l	S	4	5	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.003	0.011
Sodium	mg Na/l	S	4	5	>200.00	0	0.000	11.600	11.840	12.400
Sulphate	mg SO4/l	AS	8	7	>250	0	0.000	6.658	7.492	8.196
Taste	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	12	14		0	0.000	0.000	0.336	0.950
Total Coliforms		S	12	14	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	0.500	0.923	1.420
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	5	>100.0	0	0.000	18.600	28.260	45.300
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity	FTU	S	4	5	>4.00	0	0.000	< 0.000	< 0.336	1.260
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4900

Water Supply Zone - Z106 - Buckna
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 31-AUG-2004 (Z106AE) Aluminium = 269 ug Al/.

Notes:

- PCV = Prescribed Concentration or Value
- U = Undertaking
- I = Increased Sampling Frequency
- S = Standard Sampling Frequency
- A = Authorised Supply Point

Water Supply Zone - Z107 - Drumabest
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	12	14	>200.0	0	0.000	< 0.010	< 5.649	16.000
Ammonium	mg NH4/l	S	12	14	>0.50	0	0.000	< 0.000	< 0.002	0.023
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.278	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.120	< 0.120
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	0.002
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.325	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 9.000	< 9.750	13.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.022	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	7	>250.00	0	0.000	18.700	19.524	22.098
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	1.060	1.214	1.420
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	24	24	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	12	14		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)		S	12	14		0	0.000	0.000	1.071	13.000
Colour	mg/l Pt/C	S	12	14	>20.00	0	0.000	< 0.010	< 2.165	15.200
Conductivity	uS/cm 20	AS	24	24	>2500	0	0.000	137.000	350.871	422.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.000	< 56.211	220.400
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 2.100	< 2.100
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.012	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.004	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	24	28	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	7	>1.500	0	0.000	< 0.000	< 15.088	68.661
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	24	28		0	0.000	0.010	0.311	0.520

Water Supply Zone - Z107 - Drumabest
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	12	14	9.50	0	0.000	6.840	6.989	7.130
Iron		S	12	14	>200	0	0.000	< 0.010	< 3.786	14.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	0	0.000	0.000	1.253	3.230
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	12	14	>50.0	0	0.000	< 1.000	< 1.988	6.000
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.644	1.570
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	3.753	16.001	18.730
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	12	14	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.325	0.500
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.002	0.003
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	15.700	17.289	18.300
Sulphate	mg SO4/l	AS	8	7	>250	0	0.000	12.790	14.530	19.076
Taste	Diln No	S	12	14	>3	0	0.000	0.000	0.214	3.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	27	>0	0	0.000	0.020	0.331	0.560
Total Coliforms		S	24	28	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8	>0.5000	0	0.000	0.440	0.811	1.670
Total Pesticides	ug/l	AS	8	8	>100.0	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	8	>0.10	0	0.000	5.000	22.738	55.300
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 30.025	< 40.000
Turbidity	FTU	S	12	14	>4.00	0	0.000	< 0.010	< 0.115	0.780
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 8100

Water Supply Zone - Z107 - Drumabest
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z108 - Dungonnell
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	28	>200.0	3	10.714	< 1.000	< 91.253	479.000
Ammonium	mg NH4/l	S	24	28	>0.50	0	0.000	< 0.000	< 0.006	0.041
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.439	1.300
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.208	0.480
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.300	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.750	< 9.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	0.000	0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.022	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	7	>250.00	0	0.000	11.645	14.745	18.322
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.351	0.490
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.020	0.060
Clostridium perfringens		AS	36	35	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	28		0	0.000	0.000	1.536	16.000
Colony Counts 37 (48hrs)		S	24	28		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	24	28	>20.00	0	0.000	<0	< 1.706	16.400
Conductivity	uS/cm 20	AS	36	35	>2500	0	0.000	114.000	161.360	256.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.600	<145.563	1083.80
Cyanide	ug CN/l	AS	8	8	>5.0	0	0.000	< 2.100	< 2.100	< 2.100
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	48	56	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	7	>1.500	0	0.000	< 0.000	< 5.993	< 18.764
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	48	56		0	0.000	0.000	0.137	0.690

Water Supply Zone - Z108 - Dungonnell
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	27	9.50	0	0.000	6.700	7.343	8.000
Iron		S	24	28	>20	2	7.143	< 1.000	< 84.036	470.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	0.000	0.519	1.250
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	28	>50.0	1	3.571	< 0.010	< 27.388	670.000
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.859	2.650
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	0.156	1.043	4.035
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.002	0.017
Odour	Diln No	S	24	28	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	8.500	9.713	11.900
Sulphate	mg SO4/l	AS	8	7	>250	0	0.000	3.340	40.136	86.545
Taste	Diln No	S	24	28	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	48	56	>0	0	0.000	0.000	0.163	0.670
Total Coliforms		S	48	56	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	7	>0.100	0	0.000	0.690	1.966	3.300
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	8	>100.0	0	0.000	26.600	53.763	91.400
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	24	28	>4.00	1	3.571	<0	< 0.483	7.140
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 18500

Water Supply Zone - Z108 - Dungonnell
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 26-NOV-2004 (Z108AE) Aluminium = 479 ug Al/.
 Sample failed 22-NOV-2004 (Z108AE) Aluminium = 279 ug Al/.
 Sample failed 22-MAR-2004 (Z108AE) Aluminium = 333 ug Al/.
 Sample failed 22-NOV-2004 (Z108AE) Iron = 307 ug Fe/.
 Sample failed 22-MAR-2004 (Z108AE) Iron = 470 ug Fe/.
 Sample failed 19-OCT-2004 (Z108AE) Manganese = 670.0 ug M.
 Sample failed 22-MAR-2004 (Z108AE) Turbidity = 7.14 FTU.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z109 - Dunore North
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	24	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	52	52	>200.0	0	0.000	< 0.000	< 4.329	34.000
Ammonium	mg NH4/l	S	52	52	>0.50	0	0.000	< 0.000	< 0.025	0.058
Antimony	ug Sb/l	S	8	9	>5.0	0	0.000	< 0.170	< 0.439	0.900
Arsenic	ug As/l	S	8	9	>10.0	0	0.000	0.600	0.900	1.400
Asulam	ug/l	AS	24	24	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	24	>0.10	0	0.000	0.005	0.009	0.019
Azinphos methyl	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	24	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	9	>10.0	0	0.000	< 0.100	< 0.422	1.100
Boron	ug B/l	AS	24	24	>1000.0	0	0.000	< 9.000	< 17.375	22.000
Bromate	ug/l	S	8	9	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	9	>5.0	0	0.000	0.000	0.143	1.200
Chlorfenvinphos	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	22	>250.00	0	0.000	21.960	23.692	33.398
Chlorpropham	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	9	>5.0	0	0.000	< 0.120	< 0.452	0.630
Clopyralid	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens		S	8	10	>0	0	0.000	0.000	0.000	0.000
Clostridium perfringens No./100 m		AS	365	361	>0	3	0.831	0.000	0.011	2.000
Colony Counts 22		S	52	52		0	0.000	0.000	8.481	58.000
Colony Counts 37 (48hrs)		S	52	52		0	0.000	0.000	4.865	43.000
Colour	mg/l Pt/C	S	52	51	>20.00	0	0.000	< 0.100	< 3.657	13.900
Conductivity	uS/cm 20	AS	365	360	>2500	0	0.000	< 7.420	<281.689	585.000
Conductivity	uS/cm 20	S	52	51	>2500	0	0.000	135.000	278.251	347.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 2.600	< 85.144	351.300
Cyanide	ug CN/l	AS	24	24	>5.0	0	0.000	2.000	2.308	3.000
Cypermethrum	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.085	< 0.100
Dichlorvos	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	24	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	24	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	156	156	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	24	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	24	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	24	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	24	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	23	>1.500	0	0.000	< 0.000	< 55.413	505.081

Water Supply Zone - Z109 - Dunore North
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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Flutriafol	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	156	156		0	0.000	0.000	0.158	1.260
Gamma-HCH (Lindane)	ug/l	AS	24	24	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	23	>0.10	0	0.000	< 0.020	< 0.021	0.050
Heptachlor	ug/l	AS	24	24	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	24	24	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	52	51	9.50	0	0.000	7.080	7.356	7.990
Iron		S	52	52	>200	0	0.000	< 0.010	< 12.846	70.000
Isoproturon	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	0	0.000	0.010	1.988	6.470
MCPA	ug/l	AS	24	24	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	52	52	>50.0	0	0.000	< 1.000	< 2.341	11.000
Mecoprop (MCP)	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	0.010
Mercury	ug Hg/l	AS	24	24	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	9	>20.00	0	0.000	< 0.500	< 1.220	2.210
Nitrate	mg NO3/l	S	8	10	>50.00	0	0.000	< 0.000	< 3.578	6.894
Nitrite	mg NO2/l	S	8	10	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	51	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substau	g/l	S	8	9	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	9	>10.0	0	0.000	0.300	0.344	0.400
Simazine	ug/l	AS	24	24	>0.100	0	0.000	0.002	0.009	0.023
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	11.900	13.133	14.300
Sulphate	mg SO4/l	AS	24	23	>250	0	0.000	13.542	14.859	16.395
Taste	Diln No	S	52	51	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	24	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug	ug/l	AS	24	24	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l		S	156	156		0	0.000	0.000	0.220	1.190
Total Coliforms		S	156	156	>0	5	3.205	0.000	0.032	1.000
Total Indicative Dose	mSv/year	AS	24	24	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	23		0	0.000	3.480	4.339	5.390
Total Pesticides	ug/l	AS	24	24	>0.5000	0	0.000	< 0.050	< 0.052	0.086
Total Trihalomethanes	ug/l	S	24	28	>100.0	0	0.000	32.300	58.911	117.200
Trifluralin	ug/l	AS	24	24	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	24	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	52	51	>4.00	0	0.000	< 0.000	< 0.148	1.240
op-DDT	ug/l	AS	24	24	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	24	24	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 63900

Water Supply Zone - Z109 - Dunore North
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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

This zone has a surface water source :R3301

PCV Exceedences:

Sample failed 15-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 03-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 17-MAY-2004 (Z109AE) Total Coliforms = 1 No./100m.
 Sample failed 06-JAN-2004 (Z109AE) Total Coliforms = 1 No./100m.
 Sample failed 25-AUG-2004 (Z109AE) Total Coliforms = 1 No./100m.
 Sample failed 11-AUG-2004 (Z109AE) Total Coliforms = 1 No./100m.
 Sample failed 12-AUG-2004 (Z109AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z110 - Killylane
 Printed On 22-MAR-2005 : Water Service

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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	52	52	>200.0	1	1.923	< 1.000	< 80.028	215.000
Ammonium	mg NH4/l	S	52	52	>0.50	0	0.000	< 0.000	< 0.014	0.220
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.456	1.500
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.418	1.300
Asulam	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.002	0.009
Azinphos methyl	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.375	0.600
Boron	ug B/l	AS	8	7	>1000.0	0	0.000	< 7.000	< 8.857	11.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.020	0.100
Chlorfenvinphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	15.331	17.961	21.887
Chlorpropham	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.433	0.830
Clopyralid	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	52	52	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	52	53		0	0.000	0.000	11.302	130.000
Colony Counts 37 (48hrs)		S	52	53		0	0.000	0.000	7.340	150.000
Colour	mg/l Pt/C	S	52	52	>20.00	0	0.000	< 0.100	< 3.485	14.200
Conductivity	uS/cm 20	AS	52	52	>2500	0	0.000	9.000	204.175	249.900
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 1.700	< 75.122	541.300
Cyanide	ug CN/l	AS	8	7	>5.0	0	0.000	< 2.100	< 2.786	6.000
Cypermethrum	ug/l	AS	8	7	>0.10	0	0.000	< 0.011	< 0.011	< 0.012
Diazinon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.074	< 0.100
Dichlorvos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	132	133	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.125	1.000
Fenitrothion	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 33.442	163.429
Flutriafol	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	132	133		0	0.000	0.000	0.099	1.000

Water Supply Zone - Z110 - Killylane
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.026	< 0.060
Heptachlor	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	7	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	52	9.50	1	1.923	7.110	8.246	9.600
Iron		S	52	52	>20	0	0.000	< 1.000	< 23.284	129.000
Isoproturon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	0	0.000	0.010	2.504	11.600
MCPA	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.004	0.010
Malathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	52	52	>50.0	0	0.000	< 1.000	< 2.348	12.000
Mecoprop (MCP)	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	7	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.895	2.080
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	0.675	1.805	3.592
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.008	0.076
Odour	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	7	>0.100	0	0.000	< 0.001	< 0.002	0.010
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	10.100	11.422	13.400
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	25.283	38.169	45.415
Taste	Diln No	S	52	52	>3	0	0.000	0.000	0.038	1.000
Tecnazene	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	132	133		0	0.000	0.000	0.127	1.020
Total Coliforms		S	132	133	>0	3	2.256	0.000	0.053	4.000
Total Indicative Dose	mSv/year	AS	8	7	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	2.070	2.940	3.610
Total Pesticides	ug/l	AS	8	7	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	9	>100.0	1	11.111	39.800	80.156	107.900
Trifluralin	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	7	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity	FTU	S	52	52	>4.00	0	0.000	< 0.000	< 0.120	0.440
op-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 52745

Water Supply Zone - Z110 - Killylane
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 23-SEP-2004 (Z110AE) Aluminium = 215 ug Al/.
 Sample failed 05-APR-2004 (Z110AE) Hydrogen Ion = 9.60 pH va.
 Sample failed 23-SEP-2004 (Z110AE) Total Coliforms = 2 No./100m.
 Sample failed 27-APR-2004 (Z110AE) Total Coliforms = 4 No./100m.
 Sample failed 24-NOV-2004 (Z110AE) Total Coliforms = 1 No./100m.
 Sample failed 29-MAR-2004 (Z110AE) Total Trihalomethanes = 107.9 ug/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z111 - Lough Fea
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	42	>200.0	250	0.000	< 1.000	< 27.681	94.000
Ammonium	mg NH4/l	S	24	28	>0.50	0	0.000	< 0.000	< 0.013	0.120
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.469	1.200
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.333	0.600
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.300	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.625	10.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.019	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	10.479	11.660	12.682
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.561	1.200
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.014	0.020
Clostridium perfringens		AS	52	52	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	28		0	0.000	0.000	28.036	710.000
Colony Counts 37 (48hrs)		S	24	28		0	0.000	0.000	4.607	86.000
Colour	mg/l Pt/C	S	24	27	>20.00	0	0.000	< 0.010	< 1.978	7.200
Conductivity	uS/cm 20	AS	52	52	>2500	0	0.000	0.800	152.125	384.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 2.500	< 15.033	34.200
Cyanide	ug CN/l	AS	8	8	>5.0	0	0.000	< 2.100	< 2.100	< 2.100
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.011	< 0.013
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	60	69	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 33.486	167.630
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	60	69		0	0.000	0.000	0.240	1.450

Water Supply Zone - Z111 - Lough Fea
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	27	9.50	0	0.000	6.600	7.461	8.610
Iron		S	24	28	>20	0	0.000	< 1.000	< 40.000	140.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	0.000	0.422	1.460
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	28	>50.0	0	0.000	< 0.600	< 4.203	44.000
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.213	3.450
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	< 0.019	< 0.446	0.978
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	28	>3	0	0.000	0.000	0.036	1.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.003
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	5.400	11.444	54.800
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	34.729	37.730	40.373
Taste	Diln No	S	24	28	>3	0	0.000	0.000	0.036	1.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	69	>0	0	0.000	0.000	0.273	1.640
Total Coliforms		S	60	69	>0	1	1.449	0.000	0.101	7.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8	>0.10	0	0.000	1.200	1.771	2.800
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	9	>100.0	0	0.000	37.500	57.511	72.800
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity	FTU	S	24	27	>4.00	0	0.000	< 0.010	< 0.223	2.910
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 20600

This zone has a surface water source :R1302

Water Supply Zone - Z111 - Lough Fea
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 15-NOV-2004 (Z111AE) Total Coliforms = 7 No./100m.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z112 - Mormeal
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	42	>200.0	250	0.000	< 1.000	< 44.608	186.350
Ammonium	mg NH4/l	S	24	28	>0.50	0	0.000	< 0.000	< 0.003	0.055
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.473	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.253	0.600
Asulam	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.006	0.018
Azinphos methyl	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	16	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.400	1.100
Boron	ug B/l	AS	16	16	>1000.0	0	0.000	< 7.000	< 13.313	22.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	0.002	0.010
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.009	< 0.012
Chlorfenvinphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	16	>250.00	0	0.000	10.479	17.343	24.700
Chlorpropham	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.411	0.570
Clopyralid	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.015	0.030
Clostridium perfringens		AS	156	154	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	28		0	0.000	0.000	2.357	20.000
Colony Counts 37 (48hrs)		S	24	28		0	0.000	0.000	> 16.357	>300.000
Colour	mg/l Pt/C	S	24	28	>20.00	0	0.000	<0	< 1.539	2.700
Conductivity	uS/cm 20	AS	156	153	>2500	0	0.000	0.800	313.139	509.700
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 1.600	< 32.111	94.800
Cyanide	ug CN/l	AS	16	16	>5.0	0	0.000	2.000	2.150	3.000
Cypermethrum	ug/l	AS	16	16	>0.10	0	0.000	< 0.011	< 0.011	< 0.013
Diazinon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	16	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	16	16	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.083	< 0.100
Dichlorvos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	36	43	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	16	>1.500	0	0.000	< 0.000	< 24.085	167.630
Flutriafol	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	36	43		0	0.000	0.000	0.157	0.730

Water Supply Zone - Z112 - Mormeal
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	16	15	>0.10	0	0.000	< 0.020	< 0.021	< 0.040
Heptachlor	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	16	16	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	28	9.50	0	0.000	7.000	7.874	8.200
Iron		S	24	28	>20	0	0.000	< 0.010	< 40.322	192.000
Isoproturon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	0.460	13.809	87.440
MCPA	ug/l	AS	16	16	>0.10	0	0.000	0.000	0.015	0.060
Malathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	28	>50.0	0	0.000	< 0.450	< 4.591	17.600
Mecoprop (MCPP)	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.008	0.020
Mercury	ug Hg/l	AS	16	16	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	1.190	2.565	4.230
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	0.097	1.924	5.989
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	28	>3	0	0.000	0.000	0.036	1.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	16	16	>0.100	0	0.000	< 0.001	< 0.006	0.016
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	29.000	40.367	58.700
Sulphate	mg SO4/l	AS	16	16	>250	0	0.000	34.729	49.341	72.395
Taste	Diln No	S	24	28	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	16	16	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	43		0	0.000	0.010	0.225	0.660
Total Coliforms		S	36	43	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	16	16	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	16	16		0	0.000	1.200	2.352	4.190
Total Pesticides	ug/l	AS	16	16	>0.5000	0	0.000	< 0.050	< 0.059	0.120
Total Trihalomethanes	ug/l	S	12	16	>100.0	150	0.000	37.100	73.063	116.800
Trifluralin	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	16	16	>100.00	0	0.000	< 0.100	< 37.506	< 40.000
Turbidity	FTU	S	24	28	>4.00	0	0.000	<0	< 0.131	0.720
op-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 10700

This zone has a surface water source :R1301

Water Supply Zone - Z112 - Mormeal
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 08-JUN-2004 (Z112AE) Lead = 87.4 ug Pb.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z113 - Moyola
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	36	>200.0	0	0.000	< 2.680	< 38.592	132.000
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.014	0.409
Antimony	ug Sb/l	S	8	9	>5.0	0	0.000	< 0.170	< 0.498	1.000
Arsenic	ug As/l	S	8	9	>10.0	0	0.000	< 0.120	< 0.251	0.600
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	0.008	0.012	0.018
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	9	>10.0	0	0.000	< 0.100	< 0.278	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	15.000	18.000	22.000
Bromate	ug/l	S	8	9	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	9	>5.0	0	0.000	0.000	< 0.008	< 0.012
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	16.723	23.026	24.700
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	9	>5.0	0	0.000	< 0.120	< 0.433	0.730
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.015	0.030
Clostridium perfringens		AS	104	102	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	36	37		0	0.000	0.000	1.189	29.000
Colony Counts 37 (48hrs)		S	36	37		0	0.000	0.000	0.919	15.000
Colour	mg/l Pt/C	S	36	36	>20.00	0	0.000	< 0.100	< 1.989	7.900
Conductivity	uS/cm 20	AS	104	101	>2500	0	0.000	< 1.000	<396.037	509.700
Copper	ug Cu/l	S	8	10	>2.000	0	0.000	4.900	108.450	758.800
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	2.200	3.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.006	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	84	84	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 14.685	28.020
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	84	84		0	0.000	0.000	0.219	0.860

Water Supply Zone - Z113 - Moyola
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	36	9.50	0	0.000	7.040	7.948	8.300
Iron		S	36	36	>20	0	0.000	< 0.010	< 14.176	47.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	0	0.000	0.000	1.949	10.670
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.010	0.021	0.060
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	36	>50.0	0	0.000	< 0.010	< 5.666	21.490
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.010	0.013	0.020
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	9	>20.00	0	0.000	2.320	3.504	4.700
Nitrate	mg NO3/l	S	8	10	>50.00	0	0.000	0.084	2.141	4.875
Nitrite	mg NO2/l	S	8	10	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	36	>3	0	0.000	0.000	0.056	1.000
PAH - Sum of four substaug/l		S	8	9	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	9	>10.0	0	0.000	0.300	0.311	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	0.008	0.011	0.016
Sodium	mg Na/l	S	8	10	>200.00	0	0.000	43.000	52.370	58.800
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	40.430	60.953	72.395
Taste	Diln No	S	36	36	>3	0	0.000	0.000	0.083	2.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	84	84	>0	0	0.000	0.000	0.314	1.020
Total Coliforms		S	84	84	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8	>0.5000	0	0.000	2.439	2.932	4.190
Total Pesticides	ug/l	AS	8	8	>100.0	0	0.000	< 0.050	< 0.069	0.120
Total Trihalomethanes	ug/l	S	12	17	>100.0	150	0.000	0.000	67.906	118.200
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	36	36	>4.00	0	0.000	<0	< 0.113	0.600
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.007	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 34000

This zone has a surface water source :R1301

Water Supply Zone - Z113 - Moyola
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z114 - Oaklands
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	16	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	4	5	>200.0	0	0.000	< 0.010	< 9.328	28.000
Ammonium	mg NH4/l	S	4	5	>0.50	0	0.000	< 0.000	< 0.005	0.026
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.510	0.900
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.305	0.500
Asulam	ug/l	AS	16	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	16	8	>0.10	0	0.000	< 0.001	< 0.001	0.002
Azinphos methyl	ug/l	AS	16	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.275	< 0.400
Boron	ug B/l	AS	16	8	>1000.0	0	0.000	< 7.000	< 8.750	10.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.053	0.100
Chlorfenvinphos	ug/l	AS	16	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	6	>250.00	0	0.000	13.179	16.335	17.570
Chlorpropham	ug/l	AS	16	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.960	1.053	1.270
Clopyralid	ug/l	AS	16	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	48	24	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)		S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	5	>20.00	0	0.000	< 0.300	< 2.500	6.400
Conductivity	uS/cm 20	AS	48	25	>2500	0	0.000	147.000	281.336	384.000
Copper	ug Cu/l	S	4	5	>2.000	0	0.000	18.400	405.740	1803.00
Cyanide	ug CN/l	AS	16	8	>50	0	0.000	< 2.100	< 2.100	< 2.100
Cypermethrum	ug/l	AS	16	8	>0.10	0	0.000	< 0.011	< 0.011	< 0.012
Diazinon	ug/l	AS	16	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	16	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	8	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Dichlorvos	ug/l	AS	16	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	7	>1.500	0	0.000	< 0.000	< 80.183	497.950
Flutriafol	ug/l	AS	16	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	12	12		0	0.000	0.000	0.349	1.090

Water Supply Zone - Z114 - Oaklands
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	16	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	16	8	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	16	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	16	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	16	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	5	9.50	0	0.000	6.840	7.362	8.100
Iron		S	4	5	>20	0	0.000	< 1.000	< 4.200	17.000
Isoproturon	ug/l	AS	16	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	5	>25.0	0	0.000	0.000	4.418	16.220
MCPA	ug/l	AS	16	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	16	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	4	5	>50.0	0	0.000	< 1.000	< 3.208	7.000
Mecoprop (MCP)	ug/l	AS	16	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	16	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 0.738	1.450
Nitrate	mg NO3/l	S	4	5	>50.00	0	0.000	0.398	13.374	27.669
Nitrite	mg NO2/l	S	4	5	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	16	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	16	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	16	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	16	8	>0.100	0	0.000	< 0.001	< 0.003	0.011
Sodium	mg Na/l	S	4	5	>200.00	0	0.000	11.600	12.160	12.600
Sulphate	mg SO4/l	AS	16	7	>250	0	0.000	6.658	7.492	8.196
Taste	Diln No	S	4	5	>3	0	0.000	0.000	0.200	1.000
Tecnazene	ug/l	AS	16	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	16	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	16	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	16	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	12		0	0.000	0.000	0.373	1.100
Total Coliforms		S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	16	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	16	8		0	0.000	0.500	0.923	1.420
Total Pesticides	ug/l	AS	16	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	13	>100.0	150	0.000	4.600	24.562	40.200
Trifluralin	ug/l	AS	16	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	16	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity	FTU	S	4	5	>4.00	0	0.000	<0	< 0.126	0.440
op-DDT	ug/l	AS	16	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	16	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 600

Water Supply Zone - Z114 - Oaklands
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z115 - Rathlin
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	4	4	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	4	4	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	4	5	>200.0	0	0.000	< 0.010	< 1.768	< 5.000
Ammonium	mg NH4/l	S	4	5	>0.50	0	0.000	< 0.000	< 0.009	0.044
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.385	0.800
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.120	< 0.120
Asulam	ug/l	AS	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	4	4	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.300	< 0.400
Boron	ug B/l	AS	4	4	>1000.0	0	0.000	30.000	35.250	40.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.008	0.010
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.031	0.100
Chlorfenvinphos	ug/l	AS	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	4	3	>250.00	0	0.000	73.023	75.867	78.184
Chlorpropham	ug/l	AS	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.410	0.938	1.620
Clopyralid	ug/l	AS	4	4	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	4	4	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	4	5		0	0.000	0.000	1.000	3.000
Colony Counts 37 (48hrs)		S	4	5		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	5	>20.00	0	0.000	1.100	2.280	3.300
Conductivity	uS/cm 20	AS	4	4	>2500	0	0.000	482.000	493.150	518.600
Copper	ug Cu/l	S	4	5	>2.000	0	0.000	5.700	11.900	29.600
Cyanide	ug CN/l	AS	4	4	>50	0	0.000	< 2.100	< 2.575	4.000
Cypermethrum	ug/l	AS	4	4	>0.10	0	0.000	< 0.010	< 0.011	< 0.011
Diazinon	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	4	4	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	14	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	4	4	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	4	4	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	4	4	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	4	2	>1.500	0	0.000	< 10.968	< 17.846	24.724
Flutriafol	ug/l	AS	4	4	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	12	14		0	0.000	0.000	0.041	0.250

Water Supply Zone - Z115 - Rathlin
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	4	3	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	4	4	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	4	4	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	5	9.50	0	0.000	8.410	8.560	8.700
Iron		S	4	5	>20	0	0.000	< 1.000	< 5.200	< 11.000
Isoproturon	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	5	>25.0	0	0.000	0.000	0.501	1.960
MCPA	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.003	< 0.003
Malathion	ug/l	AS	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	4	5	>50.0	0	0.000	< 1.000	< 2.872	8.000
Mecoprop (MCP)	ug/l	AS	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	4	4	>1.0	0	0.000	< 0.046	< 0.060	0.100
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 0.625	0.900
Nitrate	mg NO3/l	S	4	5	>50.00	0	0.000	< 0.000	< 0.092	0.229
Nitrite	mg NO2/l	S	4	5	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	4	4	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	4	4	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	4	4	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.375	0.500
Simazine	ug/l	AS	4	4	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	4	5	>200.00	0	0.000	90.900	98.540	107.000
Sulphate	mg SO4/l	AS	4	3	>250	0	0.000	17.289	17.876	18.379
Taste	Diln No	S	4	5	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	4	4	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	4	4	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	4	4	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	14		0	0.000	0.000	0.043	0.250
Total Coliforms		S	12	14	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	4	4	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	4	4		0	0.000	1.140	1.358	1.720
Total Pesticides	ug/l	AS	4	4	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	5	>100.0	0	0.000	35.000	41.460	47.300
Trifluralin	ug/l	AS	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	4	4	>100.00	0	0.000	< 0.100	< 30.025	< 40.000
Turbidity	FTU	S	4	5	>4.00	0	0.000	< 0.010	< 0.064	< 0.100
op-DDT	ug/l	AS	4	4	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	4	4	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 127

This zone has a surface water source :R1706

Water Supply Zone - Z115 - Rathlin
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z116 - Unagh
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	42	>200.0	250	0.000	< 0.010	< 41.410	154.560
Ammonium	mg NH4/l	S	24	28	>0.50	0	0.000	< 0.000	< 0.004	0.107
Antimony	ug Sb/l	S	8	9	>5.0	0	0.000	< 0.170	< 0.442	0.800
Arsenic	ug As/l	S	8	9	>10.0	0	0.000	< 0.120	< 0.273	0.600
Asulam	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.006	0.018
Azinphos methyl	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	16	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	9	>10.0	0	0.000	< 0.100	< 0.278	< 0.400
Boron	ug B/l	AS	16	16	>1000.0	0	0.000	< 7.000	< 13.313	22.000
Bromate	ug/l	S	8	9	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	9	>5.0	0	0.000	0.000	< 0.011	< 0.012
Chlorfenvinphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	16	>250.00	0	0.000	10.479	17.343	24.700
Chlorpropham	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	9	>5.0	0	0.000	< 0.120	< 0.512	1.160
Clopyralid	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.015	0.030
Clostridium perfringens		AS	156	154	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	28		0	0.000	0.000	7.214	110.000
Colony Counts 37 (48hrs)		S	24	28		0	0.000	0.000	9.250	136.000
Colour	mg/l Pt/C	S	24	28	>20.00	0	0.000	< 0.100	< 1.607	3.800
Conductivity	uS/cm 20	AS	156	153	>2500	0	0.000	0.800	313.139	509.700
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.800	< 13.111	23.400
Cyanide	ug CN/l	AS	16	16	>50	0	0.000	2.000	2.150	3.000
Cypermethrum	ug/l	AS	16	16	>0.10	0	0.000	< 0.011	< 0.011	< 0.013
Diazinon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	16	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	16	16	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.083	< 0.100
Dichlorvos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	36	43	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	16	>1.500	0	0.000	< 0.000	< 24.085	167.630
Flutriafol	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	36	43		0	0.000	0.000	0.192	0.910

Water Supply Zone - Z116 - Unagh
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	16	15	>0.10	0	0.000	< 0.020	< 0.021	< 0.040
Heptachlor	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	16	16	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	28	9.50	0	0.000	7.160	7.815	8.300
Iron		S	24	28	>20	0	0.000	< 1.000	< 33.179	182.000
Isoproturon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	10	>25.0	0	0.000	0.000	0.823	3.330
MCPA	ug/l	AS	16	16	>0.10	0	0.000	0.000	0.015	0.060
Malathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	28	>50.0	0	0.000	< 1.000	< 5.037	41.000
Mecoprop (MCPP)	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.008	0.020
Mercury	ug Hg/l	AS	16	16	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	9	>20.00	0	0.000	0.520	1.916	3.180
Nitrate	mg NO3/l	S	8	10	>50.00	0	0.000	0.126	1.560	3.741
Nitrite	mg NO2/l	S	8	10	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	28	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	9	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	9	>10.0	0	0.000	< 0.300	< 0.322	0.400
Simazine	ug/l	AS	16	16	>0.100	0	0.000	< 0.001	< 0.006	0.016
Sodium	mg Na/l	S	8	10	>200.00	0	0.000	23.200	31.410	49.200
Sulphate	mg SO4/l	AS	16	16	>250	0	0.000	34.729	49.341	72.395
Taste	Diln No	S	24	28	>3	0	0.000	0.000	0.036	1.000
Tecnazene	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	16	16	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	43		0	0.000	0.010	0.255	0.980
Total Coliforms		S	36	43	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	16	16	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	16	16		0	0.000	1.200	2.352	4.190
Total Pesticides	ug/l	AS	16	16	>0.5000	0	0.000	< 0.050	< 0.059	0.120
Total Trihalomethanes	ug/l	S	12	16	>100.0	150	0.000	19.800	67.688	94.200
Trifluralin	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	16	16	>100.00	0	0.000	< 0.100	< 37.506	< 40.000
Turbidity	FTU	S	24	28	>4.00	0	0.000	<0	< 0.218	0.910
op-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13700

This zone has a surface water source :R1301

Water Supply Zone - Z116 - Unagh
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z201 - Altmore
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	12	12	>200.0	1	8.333	< 1.300	< 94.458	336.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.023	0.045
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.768	1.300
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.355	0.800
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	0.040
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.002	0.003
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	0.100	0.300	0.500
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 9.000	< 10.250	14.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	< 0.012	< 0.081	0.200
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	13.762	16.874	19.034
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.140	0.485	0.940
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	24	24	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	4	4		0	0.000	0.000	2.500	10.000
Colony Counts 37 (48hrs)		S	4	4		0	0.000	0.000	0.250	1.000
Colour		S	4	4	>20.00	0	0.000	< 0.000	< 6.828	16.190
Conductivity		AS	24	24	>2500	0	0.000	125.900	198.925	376.600
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 1.800	< 5.000	9.300
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	3.675	12.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.013	< 0.023
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 20.174	77.253
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	12	12		0	0.000	0.180	1.143	3.400

Water Supply Zone - Z201 - Altmore
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.410	8.223	9.370
Iron		S	4	4	>20	0	0.000	0.000	22.640	46.300
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	4	>25.0	0	0.000	< 0.000	< 0.468	< 1.130
MCPA	ug/l	AS	8	8	>0.10	1	12.500	0.000	0.069	0.430
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	4	4	>50.0	1	25.000	1.900	28.473	67.800
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.053	0.100
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 1.140	2.280
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.871	2.489	3.669
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	8.200	9.575	13.400
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	40.051	49.061	56.501
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	12		0	0.000	0.220	1.295	3.900
Total Coliforms		S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	1.960	3.508	4.930
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.103	0.430
Total Trihalomethanes	ug/l	S	12	12	>100.0	0	0.000	23.200	78.150	182.800
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity		S	4	4	>4.00	0	0.000	< 0.160	< 0.675	1.280
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 1900

This zone has a surface water source :R2501

Water Supply Zone - Z201 - Altmore
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 14-JUL-2004 (Z201AE) Aluminium = 336 ug Al/.
 Sample failed 23-AUG-2004 (W2501OUT) MCPA = 0.43 ug/l.
 Sample failed 16-AUG-2004 (Z201AE) Manganese = 67.8 ug Mn.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z202 - Altmore-Gortlenaghan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	34	>200.0	1	2.941	< 0.000	< 70.662	463.200
Ammonium	mg NH4/l	S	24	22	>0.50	0	0.000	< 0.000	< 0.018	0.064
Antimony	ug Sb/l	S	8	7	>5.0	0	0.000	< 0.170	< 0.487	1.000
Arsenic	ug As/l	S	8	7	>10.0	0	0.000	< 0.120	< 0.391	0.700
Asulam	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.021	0.040
Atrazine	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	0.003
Azinphos methyl	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	16	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	7	>10.0	0	0.000	0.100	0.300	0.600
Boron	ug B/l	AS	16	16	>1000.0	0	0.000	< 9.000	< 17.188	26.000
Bromate	ug/l	S	8	7	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	7	>5.0	0	0.000	0.000	0.034	0.100
Chlorfenvinphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	15	>250.00	0	0.000	13.762	16.370	19.034
Chlorpropham	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	7	>5.0	0	0.000	< 0.120	< 0.520	1.190
Clopyralid	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	48	47	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	24		0	0.000	0.000	1.833	13.000
Colony Counts 37 (48hrs)		S	24	24		0	0.000	0.000	0.458	3.000
Colour		S	24	24	>20.00	0	0.000	< 0.000	< 4.607	15.500
Conductivity		AS	48	48	>2500	0	0.000	125.900	312.215	467.200
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	< 0.000	< 10.686	30.500
Cyanide	ug CN/l	AS	16	16	>5.0	0	0.000	2.000	2.888	12.000
Cypermethrum	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.013	< 0.023
Diazinon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	16	>0.10	0	0.000	< 0.010	< 0.083	< 0.100
Dichlorvos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	16	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	48	47	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	16	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	16	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	16	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	16	>1.500	0	0.000	< 0.000	< 64.813	175.672
Flutriafol	ug/l	AS	16	16	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	48	45		0	0.000	0.060	0.881	2.400

Water Supply Zone - Z202 - Altmore-Gortlenaghan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	16	15	>0.10	0	0.000	< 0.020	< 0.024	< 0.080
Heptachlor	ug/l	AS	16	16	>0.030	0	0.000	0.000	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	16	16	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	24	9.50	3	12.500	7.130	7.969	9.800
Iron		S	24	23	>20	1	4.348	1.100	60.007	225.900
Isoproturon	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	< 0.190	< 0.940	2.840
MCPA	ug/l	AS	16	16	>0.10	1	6.250	0.000	0.036	0.430
Malathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	23	>50.0	1	4.348	0.000	18.191	83.200
Mecoprop (MCP)	ug/l	AS	16	16	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	16	16	>1.0	0	0.000	< 0.046	< 0.049	0.100
Nickel	ug Ni/l	S	8	7	>20.00	0	0.000	< 0.500	< 0.904	1.750
Nitrate	mg NO3/l	S	8	7	>50.00	0	0.000	0.646	4.633	14.035
Nitrite	mg NO2/l	S	8	7	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	7	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	16	16	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	16	16	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	7	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	16	16	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	7	>200.00	0	0.000	7.400	11.814	20.100
Sulphate	mg SO4/l	AS	16	16	>250	0	0.000	2.364	33.092	56.501
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	16	16	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	16	16	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	16	16	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	16	16	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	48	45		0	0.000	0.140	1.056	2.600
Total Coliforms		S	48	47	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	16	16	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	16	16		0	0.000	1.000	2.336	4.930
Total Pesticides	ug/l	AS	16	16	>0.5000	0	0.000	< 0.050	< 0.077	0.430
Total Trihalomethanes	ug/l	S	12	14	>100.0	0	0.000	29.100	77.829	128.400
Trifluralin	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	16	16	>100.00	0	0.000	< 0.100	< 37.506	< 40.000
Turbidity		S	24	24	>4.00	0	0.000	< 0.050	< 0.507	1.330
op-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	16	16	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 19600

This zone has a surface water source :R2501

Water Supply Zone - Z202 - Altmore-Gortlenaghan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 04-OCT-2004 (Z202AE) Aluminium = 463 ug Al/.
 Sample failed 25-OCT-2004 (Z202AE) Hydrogen Ion = 9.61 pH va.
 Sample failed 15-NOV-2004 (Z202AE) Hydrogen Ion = 9.80 pH va.
 Sample failed 13-SEP-2004 (Z202AE) Hydrogen Ion = 9.79 pH va.
 Sample failed 27-SEP-2004 (Z202AE) Iron = 226 ug Fe/.
 Sample failed 23-AUG-2004 (W2501OUT) MCPA = 0.43 ug/l.
 Sample failed 04-AUG-2004 (Z202AE) Manganese = 83.2 ug Mn.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z203 - Babylon Hill
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	4	4	>200.0	0	0.000	< 0.000	< 27.325	86.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.014	0.023
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	0.400	0.700	1.000
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.800	0.925	1.000
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.250	< 0.400
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.031	0.100
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>5.0	0	0.000	< 0.120	< 0.635	1.200
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)		S	4	4		0	0.000	0.000	0.000	0.000
Colour		S	4	4	>20.00	0	0.000	2.800	5.218	9.190
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	18.200	40.475	50.600
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	4	3		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	12	10		0	0.000	0.010	0.250	0.650

Water Supply Zone - Z203 - Babylon Hill
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.270	7.458	7.600
Iron		S	4	4	>200	0	0.000	0.000	9.698	15.700
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	4	>25.0	0	0.000	< 0.000	< 0.370	< 1.070
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	4	4	>50.0	0	0.000	0.600	4.180	12.200
Mecoprop (MCP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	1.250	1.945	2.800
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.472	3.018	5.066
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	0.300	0.400	0.600
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	12.300	12.975	13.600
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	10		0	0.000	0.030	0.382	0.750
Total Coliforms		S	12	11	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	11	>100.0	0	0.000	115.400	134.609	151.700
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	4	4	>4.00	0	0.000	0.290	0.378	0.580
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 2600

This zone has a surface water source :R2308

Water Supply Zone - Z203 - Babylon Hill
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z204 - Ballintemple
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	12	12	>200.0	0	0.000	< 1.700	< 47.400	132.900
Ammonium	mg NH4/l	S	12	12	>0.50	0	0.000	< 0.000	< 0.003	0.017
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.178	0.200
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.293	0.500
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.004	0.007
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.363	0.600
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 9.000	< 10.750	13.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.019	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	7	>250.00	0	0.000	0.461	13.996	18.256
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.200	0.570	1.340
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens		AS	24	22	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	12	11		0	0.000	0.000	0.818	6.000
Colony Counts 37 (48hrs)		S	12	11		0	0.000	0.000	1.091	5.000
Colour		S	12	12	>20.00	0	0.000	< 0.000	< 4.195	11.000
Conductivity		AS	24	22	>2500	0	0.000	89.000	138.759	287.600
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 2.000	< 23.038	52.700
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 2.675	4.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.012	< 0.022
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	7	>1.500	0	0.000	< 0.000	<115.048	505.399
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	0.010
Free - Residual disinfec		S	24	24		0	0.000	0.060	0.800	1.600

Water Supply Zone - Z204 - Ballintemple
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.980	7.334	7.740
Iron		S	12	12	>200	0	0.000	3.400	30.935	109.400
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 0.640	2.750
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.004	0.010
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	12	12	>50.0	0	0.000	0.000	5.187	44.600
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.781	1.310
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.050	2.263	4.305
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.001	0.008
Odour	Diln No	S	12	12	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.003	0.006
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	7.400	9.713	12.600
Sulphate	mg SO4/l	AS	8	7	>250	0	0.000	< 0.342	< 7.546	15.758
Taste	Diln No	S	12	12	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	24	>0	0	0.000	0.130	1.008	1.700
Total Coliforms		S	24	24	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	7		0	0.000	2.910	3.596	4.360
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	7	>100.0	2	28.571	45.300	79.657	125.900
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity		S	12	12	>4.00	0	0.000	< 0.040	< 0.512	3.000
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 9600

This zone has a surface water source :R2703

Water Supply Zone - Z204 - Ballintemple
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 08-MAR-2004 (Z204AE) Total Trihalomethanes = 120.0 ug/l.
 Sample failed 06-DEC-2004 (Z204AE) Total Trihalomethanes = 125.9 ug/l.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z205 - Ballydougan
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	52	52	>200.0	0	0.000	< 0.000	< 21.781	111.000
Ammonium	mg NH4/l	S	52	49	>0.50	0	0.000	< 0.000	< 0.021	0.048
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.298	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.703	1.200
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.450	1.100
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.031	0.100
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.150	0.584	1.360
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	52	49		0	0.000	0.000	15.102	500.000
Colony Counts 37 (48hrs)		S	52	49		0	0.000	0.000	13.694	500.000
Colour		S	52	52	>20.00	3	5.769	< 0.000	< 7.578	28.080
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	12.000	59.500	177.300
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	132	130	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	132	124		0	0.000	0.020	0.385	1.500

Water Supply Zone - Z205 - Ballydougan
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	52	51	9.50	0	0.000	6.890	7.484	8.060
Iron		S	52	51	>20	1	1.961	3.300	25.371	236.000
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 2.351	9.690
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	52	51	>50.0	2	3.922	0.000	15.765	246.600
Mecoprop (MCPP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	0.800	1.665	2.450
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.116	2.632	6.316
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	51	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.600	13.225	14.400
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	52	51	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	132	124		0	0.000	0.020	0.500	1.600
Total Coliforms		S	132	130	>0	2	1.538	0.000	18.615	2419.00
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	24	25	>100.0	0	0.000	46.300	122.736	181.500
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	52	52	>4.00	0	0.000	< 0.060	< 0.351	1.330
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 51600

This zone has a surface water source :R2308

Water Supply Zone - Z205 - Ballydougan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 24-MAR-2004 (Z205AE) Colour = 26.20 mg/l.
 Sample failed 24-NOV-2004 (Z205AE) Colour = 28.08 mg/l.
 Sample failed 09-MAR-2004 (Z205AE) Colour = 22.70 mg/l.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 16-APR-2004 (Z205AE) Iron = 236 ug Fe/.
 Sample failed 26-JUL-2004 (Z205AE) Manganese = 246.6 ug M.
 Sample failed 01-JUN-2004 (Z205AE) Manganese = 85.0 ug Mn.
 Sample failed 21-APR-2004 (Z205AE) Total Coliforms = 1 No./100m.
 Sample failed 11-AUG-2004 (Z205AE) Total Coliforms = 2419 No./l.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z206 - Ballyhannon
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	24	>200.0	0	0.000	< 0.000	< 20.242	96.000
Ammonium	mg NH4/l	S	24	23	>0.50	0	0.000	< 0.000	< 0.020	0.039
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	0.300	0.625	1.100
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.400	0.725	1.000
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.488	1.700
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.020	0.100
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.465	1.340
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	24	23		0	0.000	0.000	4.565	39.000
Colony Counts 37 (48hrs)		S	24	23		0	0.000	0.000	3.043	24.000
Colour		S	24	24	>20.00	0	0.000	< 0.280	< 6.746	19.000
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	8.300	61.950	180.800
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	72	69	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	72	68		0	0.000	0.020	0.271	1.200

Water Supply Zone - Z206 - Ballyhannon
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.920	7.475	7.840
Iron		S	24	24	>20	0	0.000	0.000	20.228	70.400
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 3.246	22.020
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	24	>50.0	2	8.333	0.000	12.505	84.700
Mecoprop (MCPP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.349	2.030
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.173	3.373	7.395
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.363	0.600
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.400	13.188	13.700
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	72	68		0	0.000	0.022	0.380	1.400
Total Coliforms		S	72	69	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	13	>100.0	0	0.000	87.100	117.954	161.100
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	24	24	>4.00	0	0.000	< 0.160	< 0.398	1.880
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 25800

This zone has a surface water source :R2308

Water Supply Zone - Z206 - Ballyhannon
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 16-JUN-2004 (Z206AE) Manganese = 84.7 ug Mn.
 Sample failed 25-MAY-2004 (Z206AE) Manganese = 51.6 ug Mn.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z207 - Banbridge
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	23	>200.0	0	0.000	< 0.000	< 48.809	160.400
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.025	0.062
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.571	1.100
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.300	0.838	1.500
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.700	3.200
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.055	0.200
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.914	2.970
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	24	22		0	0.000	0.000	0.727	4.000
Colony Counts 37 (48hrs)		S	24	22		0	0.000	0.000	2.318	29.000
Colour		S	24	24	>20.00	0	0.000	1.430	7.246	17.930
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.200	>109.188	>500.000
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	60	58	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	60	59		0	0.000	0.020	0.260	1.200

Water Supply Zone - Z207 - Banbridge
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.780	7.532	8.090
Iron		S	24	23	>20	0	0.000	5.000	25.649	63.700
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 1.173	4.280
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	23	>50.0	1	4.348	0.000	10.608	61.800
Mecoprop (MCP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.821	2.840
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.253	2.367	6.821
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.375	0.500
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	4.900	11.013	13.400
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	59		0	0.000	0.030	0.353	1.400
Total Coliforms		S	60	58	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	13	>100.0	0	0.000	112.600	143.638	175.800
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	24	24	>4.00	0	0.000	< 0.010	< 0.401	0.800
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 22100

This zone has a surface water source :R2308

Water Supply Zone - Z207 - Banbridge
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 09-JUN-2004 (Z207AE) Manganese = 61.8 ug Mn.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z208 - Castor Bay
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	23	>200.0	0	0.000	< 0.000	< 21.178	98.000
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.012	0.036
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.301	0.500
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.200	0.650	1.200
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.413	1.100
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.041	0.100
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.370	0.656	1.420
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	24	22		0	0.000	0.000	0.818	8.000
Colony Counts 37 (48hrs)		S	24	22		0	0.000	0.000	2.773	28.000
Colour		S	24	23	>20.00	0	0.000	< 0.260	< 5.641	19.520
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	8.600	22.729	45.000
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	36	34	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	36	32		0	0.000	0.040	0.605	1.630

Water Supply Zone - Z208 - Castor Bay
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	24	23	9.50	0	0.000	7.120	7.460	7.830
Iron		S	24	23	>20	1	4.348	0.000	21.276	211.500
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	< 0.000	< 1.031	3.930
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	23	>50.0	0	0.000	0.000	7.920	47.400
Mecoprop (MCP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	1.090	1.505	2.390
Nitrate	mg NO3/l	S	8	7	>50.00	0	0.000	1.308	3.822	6.161
Nitrite	mg NO2/l	S	8	7	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.004	0.020
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	8	7	>200.00	0	0.000	12.700	13.500	14.200
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	33		0	0.000	0.080	0.783	1.700
Total Coliforms		S	36	34	>0	1	2.941	0.000	0.088	3.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	15	>100.0	0	0.000	84.300	124.280	149.500
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	24	23	>4.00	0	0.000	< 0.090	< 0.303	0.590
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13000

This zone has a surface water source :R2308

Water Supply Zone - Z208 - Castor Bay
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 20-SEP-2004 (Z208AE) Iron = 212 ug Fe/.
 Sample failed 09-AUG-2004 (Z208AE) Total Coliforms = 3 No./100m.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z209 - Castor Bay-Shanmoy
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	32	34	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	32	34	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	22	>200.0	0	0.000	< 0.000	< 35.432	144.300
Ammonium	mg NH4/l	S	24	22	>0.50	0	0.000	< 0.000	< 0.016	0.044
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	0.300	0.675	1.100
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.600	0.788	1.000
Asulam	ug/l	AS	32	34	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	32	34	>0.10	0	0.000	< 0.001	< 0.014	0.025
Azinphos methyl	ug/l	AS	32	34	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	32	34	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	32	34	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.988	5.600
Boron	ug B/l	AS	32	34	>1000.0	0	0.000	13.000	19.824	25.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.017	0.100
Chlorfenvinphos	ug/l	AS	32	34	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	32	34	>250.00	0	0.000	19.478	24.819	27.787
Chlorpropham	ug/l	AS	32	34	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	32	34	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.534	1.260
Clopyralid	ug/l	AS	32	34	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	336	357	>0	4	1.120	0.000	0.014	2.000
Colony Counts 22		S	24	21		0	0.000	0.000	2.429	31.000
Colony Counts 37 (48hrs)		S	24	21		0	0.000	0.000	0.619	4.000
Colour		S	24	22	>20.00	0	0.000	< 0.000	< 4.092	15.900
Conductivity		AS	336	367	>2500	0	0.000	< 0.000	<294.422	692.800
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	< 4.100	< 17.857	44.100
Cyanide	ug CN/l	AS	32	34	>50	0	0.000	2.000	3.765	7.000
Cypermethrum	ug/l	AS	32	34	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	32	34	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	32	34	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	32	34	>0.10	0	0.000	0.000	0.002	0.010
Dichlorophen	ug/l	AS	32	34	>0.10	0	0.000	< 0.010	< 0.084	< 0.100
Dichlorvos	ug/l	AS	32	34	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	32	34	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	32	34	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	32	34	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	60	51	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	32	34	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	32	34	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	32	34	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	32	34	>0.10	0	0.000	< 0.005	< 0.006	0.040
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	32	34	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	32	34	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	32	34	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	32	35	>1.500	0	0.000	< 0.000	< 49.455	505.557
Flutriafol	ug/l	AS	32	34	>0.10	0	0.000	< 0.005	< 0.005	0.010
Free - Residual disinfect		S	60	50		0	0.000	0.030	0.799	2.000

Water Supply Zone - Z209 - Castor Bay-Shanmoy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	32	34	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	32	34	>0.10	1	2.941	< 0.020	< 0.041	0.560
Heptachlor	ug/l	AS	32	34	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	32	34	>0.030	0	0.000	< 0.007	< 0.007	0.020
Hexachlorobenzene	ug/l	AS	32	34	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	24	22	9.50	0	0.000	6.890	7.481	8.360
Iron		S	24	22	>20	0	0.000	0.000	17.686	58.200
Isoproturon	ug/l	AS	32	34	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	< 0.000	< 1.213	6.170
MCPA	ug/l	AS	32	34	>0.10	0	0.000	0.000	0.007	0.020
Malathion	ug/l	AS	32	34	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	22	>50.0	0	0.000	0.000	9.344	45.000
Mecoprop (MCP)	ug/l	AS	32	34	>0.10	0	0.000	0.000	0.006	0.020
Mercury	ug Hg/l	AS	32	34	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	0.580	1.510	2.130
Nitrate	mg NO3/l	S	8	7	>50.00	0	0.000	2.289	3.833	5.918
Nitrite	mg NO2/l	S	8	7	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	21	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.004	0.020
Parathion	ug/l	AS	32	34	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	32	34	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	32	34	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	0.300	0.413	0.600
Simazine	ug/l	AS	32	34	>0.100	0	0.000	< 0.001	< 0.013	0.022
Sodium	mg Na/l	S	8	7	>200.00	0	0.000	12.600	13.429	14.500
Sulphate	mg SO4/l	AS	32	35	>250	0	0.000	13.913	26.696	60.012
Taste	Diln No	S	24	21	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	32	34	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	32	34	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	32	34	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	32	34	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	50		0	0.000	0.040	0.928	1.900
Total Coliforms		S	60	51	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	32	34	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	32	35		0	0.000	< 0.000	< 4.555	7.990
Total Pesticides	ug/l	AS	32	34	>0.5000	1	2.941	< 0.050	< 0.078	0.671
Total Trihalomethanes	ug/l	S	12	11	>100.0	0	0.000	92.100	122.173	165.400
Trifluralin	ug/l	AS	32	34	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	32	34	>100.00	0	0.000	< 0.100	< 37.653	< 40.000
Turbidity		S	24	22	>4.00	0	0.000	< 0.070	< 0.354	0.950
op-DDT	ug/l	AS	32	34	>0.10	0	0.000	< 0.008	< 0.011	< 0.089
pp-DDT	ug/l	AS	32	34	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 21300

This zone has a surface water source :R2308

Water Supply Zone - Z209 - Castor Bay-Shanmoy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z210 - Clay Lake
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	12	12	>200.0	0	0.000	< 0.000	< 28.150	101.000
Ammonium	mg NH4/l	S	12	12	>0.50	2	16.667	0.035	0.417	1.197
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.546	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.500	0.788	1.200
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.021	0.030
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	0.007	0.012	0.016
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.413	1.300
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	10.000	14.625	17.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.053	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	22.039	28.664	36.746
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.794	1.480
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.014	0.020
Clostridium perfringens		AS	24	24	>0	1	4.167	0.000	0.042	1.000
Colony Counts 22		S	12	12		0	0.000	0.000	8.000	64.000
Colony Counts 37 (48hrs)		S	12	11		0	0.000	0.000	6.545	26.000
Colour		S	12	12	>20.00	4	33.333	3.090	16.324	31.030
Conductivity		AS	24	24	>2500	0	0.000	182.000	231.996	263.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	4.800	32.975	86.300
Cyanide	ug CN/l	AS	8	8	>5.0	0	0.000	< 2.100	< 4.775	10.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.078	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	24	24	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	24.834	47.492	117.265
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	24	24		0	0.000	0.010	0.278	0.800

Water Supply Zone - Z210 - Clay Lake
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	< 0.040
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	12	12	9.50	0	0.000	6.880	7.413	7.640
Iron		S	12	12	>200	0	0.000	5.100	34.813	76.320
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 0.541	1.690
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.007	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	12	12	>50.0	0	0.000	0.000	2.772	7.400
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.007	0.030
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	2.590	4.113	4.970
Nitrate	mg NO3/l	S	12	12	>50.00	0	0.000	0.402	2.929	8.391
Nitrite	mg NO2/l	S	12	12	>0.500	0	0.000	< 0.000	< 0.002	0.026
Odour	Diln No	S	12	12	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.338	0.500
Simazine	ug/l	AS	8	8	>0.100	0	0.000	0.004	0.006	0.011
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	10.100	15.250	20.800
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	16.704	18.149	21.291
Taste	Diln No	S	12	12	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	24		0	0.000	0.020	0.433	0.900
Total Coliforms		S	24	24	>0	1	4.167	0.000	0.042	1.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	6.960	7.583	8.520
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.053	0.076
Total Trihalomethanes	ug/l	S	8	8	>100.0	1	12.500	16.000	40.963	136.500
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity		S	12	12	>4.00	0	0.000	< 0.240	< 0.411	0.690
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.018	< 0.089
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.007	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 8600

This zone has a surface water source :R2509

Water Supply Zone - Z210 - Clay Lake
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 03-NOV-2004 (Z210AE) Ammonium = 1.20 mg NH.
 Sample failed 01-JUN-2004 (Z210AE) Ammonium = 0.57 mg NH.
 Sample failed 03-MAR-2004 (W2509OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 03-FEB-2004 (Z210AE) Colour = 31.03 mg/l.
 Sample failed 17-FEB-2004 (Z210AE) Colour = 20.70 mg/l.
 Sample failed 05-JAN-2004 (Z210AE) Colour = 28.51 mg/l.
 Sample failed 03-NOV-2004 (Z210AE) Colour = 21.06 mg/l.
 Sample failed 03-FEB-2004 (Z210AE) Total Coliforms = 1 No./100m.
 Sample failed 05-JAN-2004 (Z210AE) Total Trihalomethanes = 136.5 ug/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z211 - Fofanny-Ballymaconaghy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	22	>200.0	400	0.000	65.800	134.105	248.700
Ammonium	mg NH4/l	S	12	11	>0.50	0	0.000	< 0.000	< 0.018	0.036
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.203	0.400
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.100	0.195	0.400
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.500	1.800
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.750	< 9.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.041	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	12.529	13.735	16.520
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.340	0.638	1.400
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.014	0.020
Clostridium perfringens		AS	12	11	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	12	10		0	0.000	0.000	0.800	6.000
Colony Counts 37 (48hrs)		S	12	10		0	0.000	0.000	1.800	10.000
Colour		S	12	11	>20.00	0	0.000	0.950	5.579	11.500
Conductivity		AS	12	12	>2500	0	0.000	64.000	82.276	95.250
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	4.500	22.600	53.300
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	2.550	4.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.013	< 0.023
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	24	22	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 2.812	< 31.690	100.542
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	24	23		0	0.000	0.100	0.826	2.500

Water Supply Zone - Z211 - Fofanny-Ballymaconaghy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.025	< 0.060
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	12	11	9.50	3	27.273	5.830	7.015	8.670
Iron		S	12	11	>20	1	9.091	23.500	72.252	254.740
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	1	14.286	< 0.000	< 22.363	147.490
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.003	< 0.003
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	12	11	>50.0	0	0.000	0.000	3.273	11.600
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.680	1.140
Nitrate	mg NO3/l	S	8	7	>50.00	0	0.000	0.404	0.976	1.460
Nitrite	mg NO2/l	S	8	7	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	12	10	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	7	>200.00	0	0.000	4.100	5.243	7.100
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	10.033	13.310	17.017
Taste	Diln No	S	12	10	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	23	>0	0	0.000	0.100	1.009	2.700
Total Coliforms		S	24	22	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8	>0.100	0	0.000	1.890	3.044	4.440
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	11	>100.0	0	0.000	40.700	88.818	152.700
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity		S	12	11	>4.00	0	0.000	< 0.180	< 0.432	0.720
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 8900

This zone has a surface water source :R2704

Water Supply Zone - Z211 - Fofanny-Ballymaconaghy
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 22-MAR-2004 (Z211AE) Hydrogen Ion = 5.83 pH va.
 Sample failed 16-FEB-2004 (Z211AE) Hydrogen Ion = 6.45 pH va.
 Sample failed 19-JAN-2004 (Z211AE) Hydrogen Ion = 6.05 pH va.
 Sample failed 16-FEB-2004 (Z211AE) Iron = 255 ug Fe/.
 Sample failed 14-JUN-2004 (Z211AE) Lead = 147 ug Pb/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z212 - Fofanny-Banbridge
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	48	44	>200.0	400	0.000	< 0.000	<136.732	343.400
Ammonium	mg NH4/l	S	36	34	>0.50	0	0.000	< 0.000	< 0.015	0.035
Antimony	ug Sb/l	S	8	7	>5.0	0	0.000	< 0.170	< 0.520	1.000
Arsenic	ug As/l	S	8	7	>10.0	0	0.000	< 0.120	< 0.540	1.200
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	7	>10.0	0	0.000	< 0.100	< 0.657	2.600
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.750	< 9.000
Bromate	ug/l	S	8	7	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	7	>5.0	0	0.000	0.000	0.061	0.200
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	11.045	12.276	14.772
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	7	>50	0	0.000	< 0.120	< 0.590	1.120
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.018	0.050
Clostridium perfringens		AS	104	103	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	36	34		0	0.000	0.000	3.794	73.000
Colony Counts 37 (48hrs)		S	36	34		0	0.000	0.000	1.941	25.000
Colour		S	36	35	>20.00	2	5.714	< 0.000	< 7.207	22.380
Conductivity		AS	104	104	>2500	0	0.000	7.340	98.921	288.000
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	7.200	33.943	144.300
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	2.900	7.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.008	0.030
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	84	81	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 29.381	98.750
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec		S	84	80		0	0.000	0.010	0.341	1.400

Water Supply Zone - Z212 - Fofanny-Banbridge
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.025	< 0.060
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	35	9.50	1	2.857	6.080	7.389	8.800
Iron		S	36	35	>20	2	5.714	8.000	89.499	923.800
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	2	28.571	< 0.000	< 52.144	280.800
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.005	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	35	>50.0	1	2.857	0.000	5.017	59.100
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	7	>20.00	0	0.000	< 0.500	< 1.026	1.980
Nitrate	mg NO3/l	S	8	7	>50.00	0	0.000	0.062	1.898	8.601
Nitrite	mg NO2/l	S	8	7	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	33	>3	0	0.000	0.000	0.030	1.000
PAH - Sum of four substaug/l		S	8	7	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	7	>10.0	0	0.000	< 0.300	< 0.343	0.600
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	7	>200.00	0	0.000	4.200	6.329	12.800
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	13.288	16.656	19.980
Taste	Diln No	S	36	33	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	84	80		0	0.000	0.030	0.450	1.600
Total Coliforms		S	84	81	>0	1	1.235	0.000	0.012	1.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	2.000	2.866	4.020
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.052	0.063
Total Trihalomethanes	ug/l	S	12	13	>100.0	0	0.000	67.300	119.515	173.200
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity		S	36	35	>4.00	1	2.857	< 0.230	< 0.645	5.720
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 31100

This zone has a surface water source :R2711

Water Supply Zone - Z212 - Fofanny-Banbridge
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 27-JAN-2004 (Z212AE) Colour = 21.24 mg/l.
 Sample failed 11-FEB-2004 (Z212AE) Colour = 22.38 mg/l.
 Sample failed 24-FEB-2004 (Z212AE) Hydrogen Ion = 6.08 pH va.
 Sample failed 15-JUN-2004 (Z212AE) Iron = 342 ug Fe/.
 Sample failed 18-MAY-2004 (Z212AE) Iron = 924 ug Fe/.
 Sample failed 09-AUG-2004 (Z212AE) Lead = 281 ug Pb/.
 Sample failed 21-JUN-2004 (Z212AE) Lead = 57 ug Pb/l.
 Sample failed 18-MAY-2004 (Z212AE) Manganese = 59.1 ug Mn.
 Sample failed 29-JUN-2004 (Z212AE) Total Coliforms = 1 No./100m.
 Sample failed 18-MAY-2004 (Z212AE) Turbidity = 5.72 FTU.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z213 - Fofanny-Newry
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	48	35	>200.0	2	5.714	< 0.000	<133.334	830.400
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.022	0.240
Antimony	ug Sb/l	S	8	7	>5.0	0	0.000	< 0.170	< 0.363	0.800
Arsenic	ug As/l	S	8	7	>10.0	0	0.000	0.100	0.489	1.400
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	7	>10.0	0	0.000	< 0.100	< 0.471	1.100
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	< 7.000	< 8.750	< 9.000
Bromate	ug/l	S	8	7	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	7	>5.0	0	0.000	0.000	< 0.003	< 0.012
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	11.045	12.276	14.772
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	7	>5.0	0	0.000	< 0.120	< 0.366	0.640
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.018	0.050
Clostridium perfringens		AS	104	103	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	36	35		0	0.000	0.000	2.429	25.000
Colony Counts 37 (48hrs)		S	36	35		0	0.000	0.000	1.457	12.000
Colour		S	36	36	>20.00	0	0.000	< 0.000	< 6.107	16.710
Conductivity		AS	104	104	>2500	0	0.000	7.340	98.921	288.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.000	< 27.763	89.100
Cyanide	ug CN/l	AS	8	8	>5.0	0	0.000	2.000	2.900	7.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.008	0.030
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	120	118	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 29.381	98.750
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	120	116		0	0.000	0.000	0.679	2.200

Water Supply Zone - Z213 - Fofanny-Newry
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.025	< 0.060
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	34	9.50	0	0.000	6.670	7.410	8.880
Iron		S	36	34	>20	4	11.765	8.600	101.240	621.500
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 0.625	3.060
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.005	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	34	>50.0	1	2.941	0.000	10.386	68.300
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	7	>20.00	0	0.000	< 0.500	< 0.963	1.700
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.050	1.353	3.631
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	7	>0.10	0	0.000	0.000	0.003	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	7	>10.0	0	0.000	< 0.300	< 0.314	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	4.000	5.700	10.200
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	13.288	16.656	19.980
Taste	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	120	116		0	0.000	0.000	0.807	3.000
Total Coliforms		S	120	118	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	2.000	2.866	4.020
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.052	0.063
Total Trihalomethanes	ug/l	S	24	18	>100.0	250	0.000	61.800	104.422	153.200
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity		S	36	36	>4.00	0	0.000	< 0.000	< 0.595	1.890
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 45900

This zone has a surface water source :R2711

Water Supply Zone - Z213 - Fofanny-Newry
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 18-OCT-2004 (Z213AE) Aluminium = 830 ug Al/.
 Sample failed 04-OCT-2004 (Z213AE) Aluminium = 590 ug Al/.
 Sample failed 18-OCT-2004 (Z213AE) Iron = 622 ug Fe/.
 Sample failed 11-NOV-2004 (Z213AE) Iron = 206 ug Fe/.
 Sample failed 14-JUL-2004 (Z213AE) Iron = 239 ug Fe/.
 Sample failed 04-OCT-2004 (Z213AE) Iron = 434 ug Fe/.
 Sample failed 14-JUN-2004 (Z213AE) Manganese = 68.3 ug Mn.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z214 - Lough Ross
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	24	>200.0	0	0.000	< 0.000	< 25.325	108.100
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.040	0.430
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.314	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.655	1.200
Asulam	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	7	>0.10	0	0.000	0.005	< 0.009	0.012
Azinphos methyl	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	7	>0.10	0	0.000	0.000	0.004	0.010
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.300	< 0.400
Boron	ug B/l	AS	8	7	>1000.0	0	0.000	11.000	13.000	19.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	0.001	0.010
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.003	< 0.012
Chlorfenvinphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	23.717	28.351	34.552
Chlorpropham	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.440	0.571	0.940
Clopyralid	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	36	33	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	24	22		0	0.000	0.000	11.500	85.000
Colony Counts 37 (48hrs)		S	24	22		0	0.000	0.000	13.000	84.000
Colour		S	24	24	>20.00	4	16.667	2.010	10.848	25.750
Conductivity		AS	36	35	>2500	0	0.000	103.000	231.983	280.400
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 2.000	< 35.075	162.700
Cyanide	ug CN/l	AS	8	7	>50	0	0.000	< 2.100	< 5.300	11.000
Cypermethrum	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.010
Dichlorbenil	ug/l	AS	8	7	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.087	< 0.100
Dichlorvos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	36	35	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 60.488	192.171
Flutriafol	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	36	35		0	0.000	0.030	0.539	1.800

Water Supply Zone - Z214 - Lough Ross
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.031	< 0.100
Heptachlor	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	7	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	7.070	7.478	7.970
Iron		S	24	24	>20	0	0.000	6.000	53.483	189.400
Isoproturon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 2.415	11.220
MCPA	ug/l	AS	8	7	>0.10	0	0.000	0.000	0.014	0.080
Malathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	24	>50.0	0	0.000	0.200	5.128	32.300
Mecoprop (MCPP)	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.012	0.030
Mercury	ug Hg/l	AS	8	7	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 3.213	4.510
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	2.684	5.234	7.989
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.012	0.097
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	7	>0.100	0	0.000	0.007	0.015	0.020
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.800	15.813	19.100
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	14.688	15.320	15.855
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	35		0	0.000	0.032	0.723	2.000
Total Coliforms		S	36	35	>0	1	2.857	0.000	0.057	2.000
Total Indicative Dose	mSv/year	AS	8	7	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	7		0	0.000	6.040	7.055	8.540
Total Pesticides	ug/l	AS	8	7	>0.5000	0	0.000	< 0.050	< 0.064	0.138
Total Trihalomethanes	ug/l	S	12	16	>100.0	250	0.000	13.700	120.969	184.700
Trifluralin	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	7	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity		S	24	24	>4.00	0	0.000	< 0.110	< 0.344	0.870
op-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 14100

Water Supply Zone - Z214 - Lough Ross
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 13-FEB-2004 (Z214AE) Colour = 25.75 mg/l.
 Sample failed 06-FEB-2004 (Z214AE) Colour = 20.20 mg/l.
 Sample failed 09-JAN-2004 (Z214AE) Colour = 22.05 mg/l.
 Sample failed 16-JAN-2004 (Z214AE) Colour = 23.15 mg/l.
 Sample failed 13-FEB-2004 (Z214AE) Total Coliforms = 2 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z215 - Lurgan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	36	>200.0	0	0.000	< 0.000	< 24.703	186.000
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.021	0.060
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.323	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.200	0.638	1.300
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.338	0.700
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.016	0.100
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.300	0.665	1.280
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	36	34		0	0.000	0.000	22.618	428.000
Colony Counts 37 (48hrs)		S	36	34		0	0.000	0.000	7.882	100.000
Colour		S	36	36	>20.00	0	0.000	< 0.620	< 7.884	17.690
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 3.000	< 12.675	27.500
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	84	83	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	84	82		0	0.000	0.030	0.383	1.600

Water Supply Zone - Z215 - Lurgan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	36	36	9.50	1	2.778	6.000	7.524	8.070
Iron		S	36	36	>20	0	0.000	6.400	20.334	64.500
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 1.741	3.990
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	36	>50.0	2	5.556	0.000	10.672	80.900
Mecoprop (MCP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	1.330	1.876	3.480
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.127	2.828	6.230
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	35	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	0.300	0.300	0.300
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.300	13.000	14.500
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	36	35	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	84	82		0	0.000	0.060	0.542	1.800
Total Coliforms		S	84	83	>0	1	1.205	0.000	0.012	1.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	17	>100.0	0	0.000	85.600	122.329	152.900
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	36	36	>4.00	0	0.000	< 0.140	< 0.385	1.090
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 30300

This zone has a surface water source :R2308

Water Supply Zone - Z215 - Lurgan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 24-FEB-2004 (Z215AE) Hydrogen Ion = 6.00 pH va.
 Sample failed 01-JUN-2004 (Z215AE) Manganese = 52.9 ug Mn.
 Sample failed 16-JUN-2004 (Z215AE) Manganese = 80.9 ug Mn.
 Sample failed 06-SEP-2004 (Z215AE) Total Coliforms = 1 No./100m.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z216 - Magheraliskmisk
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	24	24	>200.0	0	0.000	< 0.000	< 20.892	111.000
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.018	0.045
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	0.200	0.663	1.100
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.600	0.825	1.100
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	0.300	0.400	0.500
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.031	0.100
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.546	1.280
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	24	22		0	0.000	0.000	13.227	199.000
Colony Counts 37 (48hrs)		S	24	22		0	0.000	0.000	5.591	53.000
Colour		S	24	24	>20.00	1	4.167	< 0.280	< 7.303	23.680
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	7.500	29.950	87.900
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	60	59	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	60	59		0	0.000	0.020	0.239	1.300

Water Supply Zone - Z216 - Magheraliskmisk
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.880	7.523	7.860
Iron		S	24	24	>200	0	0.000	2.800	23.331	54.100
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 2.025	5.870
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	24	>50.0	1	4.167	0.000	14.852	197.900
Mecoprop (MCP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	0.610	1.734	2.220
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.063	3.573	8.839
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.350	0.500
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.600	13.263	13.900
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	59		0	0.000	0.022	0.336	1.200
Total Coliforms		S	60	59	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	12	>100.0	0	0.000	88.000	121.608	153.900
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	24	24	>4.00	0	0.000	< 0.170	< 0.446	1.900
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 24400

This zone has a surface water source :R2308

Water Supply Zone - Z216 - Magheraliskmisk
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 12-FEB-2004 (Z216AE) Colour = 23.68 mg/l.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 14-JUN-2004 (Z216AE) Manganese = 197.9 ug M.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z217 - Newry
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	40	42	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	40	42	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	35	>200.0	400	0.000	< 0.000	<131.863	343.800
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.019	0.176
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.483	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.580	1.000
Asulam	ug/l	AS	40	42	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	40	42	>0.10	0	0.000	< 0.001	< 0.012	0.025
Azinphos methyl	ug/l	AS	40	42	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	40	42	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	40	42	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.288	0.600
Boron	ug B/l	AS	40	42	>1000.0	0	0.000	< 7.000	< 15.452	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.036	0.100
Chlorfenvinphos	ug/l	AS	40	42	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	40	41	>250.00	0	0.000	11.045	21.576	27.787
Chlorpropham	ug/l	AS	40	42	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	40	42	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.583	1.470
Clopyralid	ug/l	AS	40	42	>0.10	0	0.000	< 0.010	< 0.014	0.050
Clostridium perfringens		AS	440	458	>0	4	0.873	0.000	0.011	2.000
Colony Counts 22		S	24	22		0	0.000	0.000	19.000	401.000
Colony Counts 37 (48hrs)		S	24	22		0	0.000	0.000	13.364	270.000
Colour		S	24	24	>20.00	1	4.167	< 0.100	< 6.516	45.000
Conductivity		AS	440	470	>2500	0	0.000	< 0.000	<229.524	436.100
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 1.400	< 33.413	150.300
Cyanide	ug CN/l	AS	40	42	>50	0	0.000	2.000	3.481	7.000
Cypermethrum	ug/l	AS	40	42	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	40	42	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	40	42	>0.10	0	0.000	0.000	0.005	0.030
Dichlorbenil	ug/l	AS	40	42	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	40	42	>0.10	0	0.000	< 0.010	< 0.085	< 0.100
Dichlorvos	ug/l	AS	40	42	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	40	42	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	40	42	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	40	42	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	36	35	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	40	42	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	40	42	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	40	42	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	40	42	>0.10	0	0.000	< 0.005	< 0.006	0.040
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	40	42	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	40	42	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	40	42	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	40	42	>1.500	0	0.000	< 0.000	< 45.668	505.557
Flutriafol	ug/l	AS	40	42	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	36	35		0	0.000	0.000	0.712	1.500

Water Supply Zone - Z217 - Newry
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	40	42	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	40	41	>0.10	1	2.439	< 0.020	< 0.038	0.560
Heptachlor	ug/l	AS	40	42	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	40	42	>0.030	0	0.000	< 0.007	< 0.007	0.020
Hexachlorobenzene	ug/l	AS	40	42	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.770	7.275	8.400
Iron		S	24	24	>200	1	4.167	17.700	66.719	236.900
Isoproturon	ug/l	AS	40	42	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	2	25.000	< 0.000	< 20.434	94.460
MCPA	ug/l	AS	40	42	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	40	42	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	24	24	>50.0	0	0.000	0.000	5.128	20.800
Mecoprop (MCP)	ug/l	AS	40	42	>0.10	0	0.000	0.000	0.006	0.020
Mercury	ug Hg/l	AS	40	42	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.138	2.390
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.411	1.509	3.635
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	40	42	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	40	42	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	40	42	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	40	42	>0.100	0	0.000	< 0.001	< 0.011	0.022
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	3.900	6.850	13.900
Sulphate	mg SO4/l	AS	40	42	>250	0	0.000	13.288	18.713	57.276
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	40	42	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	40	42	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	40	42	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	40	42	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	35		0	0.000	0.000	0.849	1.900
Total Coliforms		S	36	35	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	40	42	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	40	43		0	0.000	< 0.000	< 4.431	7.990
Total Pesticides	ug/l	AS	40	42	>0.5000	1	2.381	< 0.050	< 0.075	0.671
Total Trihalomethanes	ug/l	S	12	13	>100.0	0	0.000	47.200	108.338	192.400
Trifluralin	ug/l	AS	40	42	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	40	42	>100.00	0	0.000	< 0.100	< 39.050	< 40.000
Turbidity		S	24	24	>4.00	1	4.167	< 0.070	< 0.861	9.150
op-DDT	ug/l	AS	40	42	>0.10	0	0.000	< 0.008	< 0.008	0.020
pp-DDT	ug/l	AS	40	42	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13100

This zone has a surface water source :R2308

Water Supply Zone - Z217 - Newry
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-DEC-2004 (Z217AE) Colour = 45.00 mg/l.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 20-DEC-2004 (Z217AE) Iron = 237 ug Fe/.
 Sample failed 05-APR-2004 (Z217AE) Lead = 94 ug Pb/l.
 Sample failed 15-NOV-2004 (Z217AE) Lead = 67 ug Pb/l.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.
 Sample failed 20-DEC-2004 (Z217AE) Turbidity = 9.15 FTU.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z218 - Richhill
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	4	3	>200.0	0	0.000	< 10.500	< 39.867	96.000
Ammonium	mg NH4/l	S	4	3	>0.50	0	0.000	< 0.000	< 0.021	0.032
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.410	1.000
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.200	0.550	0.800
Asulam	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	26	>0.10	0	0.000	0.002	0.017	0.025
Azinphos methyl	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	26	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	0.200	0.450	0.700
Boron	ug B/l	AS	24	26	>1000.0	0	0.000	13.000	19.000	23.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	< 0.009	< 0.012
Chlorfenvinphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	27	>250.00	0	0.000	19.478	25.486	27.787
Chlorpropham	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.150	0.373	0.660
Clopyralid	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		AS	312	333	>0	4	1.201	0.000	0.015	2.000
Colony Counts 22		S	4	2		0	0.000	2.000	2.000	2.000
Colony Counts 37 (48hrs)		S	4	2		0	0.000	0.000	5.500	11.000
Colour		S	4	3	>20.00	0	0.000	4.890	11.073	16.380
Conductivity		AS	312	343	>2500	0	0.000	< 0.000	<272.503	436.100
Copper	ug Cu/l	S	4	3	>2.000	0	0.000	10.500	32.967	65.500
Cyanide	ug CN/l	AS	24	26	>50	0	0.000	2.000	4.054	6.000
Cypermethrum	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.011	< 0.021
Diazinon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	24	26	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	26	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	10	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.007	0.040
Enterococci		S	4	3		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	26	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	26	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	27	>1.500	0	0.000	< 0.000	< 53.301	505.557
Flutriafol	ug/l	AS	24	26	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	12	10		0	0.000	0.030	0.267	0.600

Water Supply Zone - Z218 - Richhill
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	1	3.846	< 0.020	< 0.047	0.560
Heptachlor	ug/l	AS	24	26	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	26	>0.030	0	0.000	< 0.007	< 0.008	0.020
Hexachlorobenzene	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	0.005
Hydrogen Ion	pH value	S	4	3	9.50	0	0.000	7.180	7.427	7.760
Iron		S	4	3	>20.0	0	0.000	12.600	25.370	35.700
Isoproturon	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	3	>25.0	0	0.000	< 0.000	< 1.213	2.330
MCPA	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.008	0.020
Malathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	4	3	>50.0	0	0.000	0.000	1.440	2.200
Mecoprop (MCP)	ug/l	AS	24	26	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	24	26	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	0.960	2.160	4.620
Nitrate	mg NO3/l	S	4	3	>50.00	0	0.000	1.202	5.113	8.393
Nitrite	mg NO2/l	S	4	3	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	24	26	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	26	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	0.300	0.300	0.300
Simazine	ug/l	AS	24	26	>0.100	0	0.000	0.013	0.017	0.022
Sodium	mg Na/l	S	4	3	>200.00	0	0.000	12.700	13.100	13.800
Sulphate	mg SO4/l	AS	24	27	>250	0	0.000	13.913	17.833	57.276
Taste	Diln No	S	4	3	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	26	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	26	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	26	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	26	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	10		0	0.000	0.080	0.410	0.800
Total Coliforms		S	12	10	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	27		0	0.000	< 0.000	< 5.584	7.990
Total Pesticides	ug/l	AS	24	26	>0.5000	1	3.846	< 0.050	< 0.086	0.671
Total Trihalomethanes	ug/l	S	12	10	>100.0	1	10.000	85.600	135.500	239.400
Trifluralin	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	0.010
Tritium	Bq/l	AS	24	26	>100.00	0	0.000	< 0.100	< 38.465	< 40.000
Turbidity		S	4	3	>4.00	0	0.000	0.290	0.367	0.420
op-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	26	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4300

This zone has a surface water source :R2308

Water Supply Zone - Z218 - Richhill
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 21-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 22-JAN-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 11-MAR-2004 (W2308OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 10-MAY-2004 (W2308OUT) Glyphosate = 0.56 ug/l.
 Sample failed 10-MAY-2004 (W2308OUT) Total Pesticides = 0.6710 ug/.
 Sample failed 15-MAR-2004 (Z218AE) Total Trihalomethanes = 239.4 ug/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z219 - Seagahan
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	36	36	>200.0	0	0.000	< 0.000	< 31.247	134.100
Ammonium	mg NH4/l	S	36	35	>0.50	0	0.000	< 0.000	< 0.035	0.443
Antimony	ug Sb/l	S	8	7	>5.0	0	0.000	0.200	0.743	1.100
Arsenic	ug As/l	S	8	7	>10.0	0	0.000	0.600	0.900	1.200
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.023	0.030
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	0.002
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	7	>10.0	0	0.000	< 0.100	< 0.314	0.500
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	9.000	12.500	17.000
Bromate	ug/l	S	8	7	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	7	>5.0	0	0.000	0.000	0.046	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	20.615	25.181	29.200
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	7	>50	0	0.000	0.480	0.773	1.390
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.015	0.030
Clostridium perfringens		AS	52	52	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22		S	36	33		0	0.000	0.000	12.818	147.000
Colony Counts 37 (48hrs)		S	36	33		0	0.000	0.000	5.879	58.000
Colour		S	36	36	>20.00	3	8.333	1.250	10.744	26.690
Conductivity		AS	52	51	>2500	0	0.000	64.270	221.831	251.700
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 4.100	< 22.738	58.700
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 5.388	7.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.013	< 0.023
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	96	95	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 8.825	< 45.962	108.679
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect		S	96	92		0	0.000	0.030	0.540	1.600

Water Supply Zone - Z219 - Seagahan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.024	0.050
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	0.000	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	36	36	9.50	0	0.000	6.740	7.417	9.460
Iron		S	36	36	>200	0	0.000	8.100	60.350	125.000
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	< 0.000	< 2.707	17.020
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.005	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese		S	36	36	>50.0	1	2.778	0.000	6.756	56.900
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	7	>20.00	0	0.000	2.450	3.227	4.210
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.712	4.521	6.976
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	7	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	7	>10.0	0	0.000	< 0.300	< 0.357	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.004	0.008
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	9.300	11.625	13.900
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	18.340	21.131	23.595
Taste	Diln No	S	36	36	>3	0	0.000	0.000	0.028	1.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	96	92		0	0.000	0.033	0.688	1.800
Total Coliforms		S	96	95	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	6.040	8.351	10.330
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.063	0.151
Total Trihalomethanes	ug/l	S	24	23	>100.0	0	0.000	9.600	130.491	213.500
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.007	0.010
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 40.000	< 40.000	< 40.000
Turbidity		S	36	36	>4.00	0	0.000	< 0.160	< 0.421	0.940
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 38100

This zone has a surface water source :R2514

Water Supply Zone - Z219 - Seagahan
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 19-JAN-2004 (Z219AE) Colour = 25.00 mg/l.
 Sample failed 16-FEB-2004 (Z219AE) Colour = 25.88 mg/l.
 Sample failed 26-JAN-2004 (Z219AE) Colour = 26.69 mg/l.
 Sample failed 14-JUN-2004 (Z219AE) Manganese = 56.9 ug Mn.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z220 - Silent Valley South
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	16	10	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	10	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium		S	12	11	>200.0	400	0.000	139.000	262.245	350.400
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.006	0.049	0.162
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.793	1.300
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.200	0.400	0.800
Asulam	ug/l	AS	16	10	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	16	10	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	16	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	10	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.250	< 0.400
Boron	ug B/l	AS	16	10	>1000.0	0	0.000	8.000	< 8.900	< 9.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.100	0.125	0.200
Chlorfenvinphos	ug/l	AS	16	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	10	>250.00	0	0.000	7.000	9.489	10.902
Chlorpropham	ug/l	AS	16	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>5.0	0	0.000	0.370	0.843	1.210
Clopyralid	ug/l	AS	16	10	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens		S	4	4	>0	0	0.000	0.000	0.000	0.000
Clostridium perfringens No./100 m		AS	48	29	>0	2	6.897	0.000	0.103	2.000
Colony Counts 22		S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)		S	4	4		0	0.000	0.000	0.250	1.000
Colour		S	4	4	>20.00	0	0.000	4.920	6.285	8.800
Conductivity		S	4	4	>2500	0	0.000	65.850	76.618	87.000
Conductivity	uS/cm 20	AS	48	28	>2500	0	0.000	49.680	58.185	76.640
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 1.700	< 51.375	93.100
Cyanide	ug CN/l	AS	16	10	>5.0	0	0.000	2.000	2.250	3.000
Cypermethrum	ug/l	AS	16	10	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	10	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorobenil	ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	10	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	10	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	10	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli		S	12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	10	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	10	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci		S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	10	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	10	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	10	>1.500	0	0.000	98.170	176.194	222.502

Water Supply Zone - Z220 - Silent Valley South
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)		
							Min.	Mean	Max.
Flutriafol ug/l	AS	16	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfec	S	12	11		0	0.000	0.020	0.689	1.200
Gamma-HCH (Lindane) ug/l	AS	16	10	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate ug/l	AS	16	10	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor ug/l	AS	16	10	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide ug/l	AS	16	10	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion pH value	S	4	4	9.50	1	25.000	5.760	6.733	7.520
Iron	S	4	4	>200	0	0.000	87.300	101.143	116.300
Isoproturon ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead ug Pb/l	S	4	4	>25.0	0	0.000	< 0.510	< 1.450	3.330
MCPA ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.003	< 0.003
Malathion ug/l	AS	16	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	S	4	4	>50.0	0	0.000	5.100	8.985	12.000
Mecoprop (MCP) ug/l	AS	16	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury ug Hg/l	AS	16	10	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 1.075	1.950
Nitrate mg NO3/l	S	4	4	>50.00	0	0.000	1.896	2.934	4.233
Nitrite mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion ug/l	AS	16	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol ug/l	AS	16	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos ug/l	AS	16	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.325	0.400
Simazine ug/l	AS	16	10	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium mg Na/l	S	4	4	>200.00	0	0.000	4.900	5.175	5.400
Sulphate mg SO4/l	AS	16	10	>250	0	0.000	< 0.530	< 7.036	46.556
Taste Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene ug/l	AS	16	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne ug/l	AS	16	10	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	AS	16	10	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane ug/l	AS	16	10	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfemg Cl/l	S	12	11		0	0.000	0.030	0.787	1.200
Total Coliforms	S	12	11	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose mSv/year	AS	16	10	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon mg C/l	AS	16	10		0	0.000	2.010	3.350	4.630
Total Pesticides ug/l	AS	16	10	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes ug/l	S	12	11	>100.0	0	0.000	74.900	125.364	144.300
Trifluralin ug/l	AS	16	10	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium Bq/l	AS	16	10	>100.00	0	0.000	< 0.100	< 36.010	< 40.000
Turbidity	S	4	4	>4.00	0	0.000	0.530	0.825	1.390
op-DDT ug/l	AS	16	10	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT ug/l	AS	16	10	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4300

Water Supply Zone - Z220 - Silent Valley South
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

This zone has a surface water source :R3302

PCV Exceedences:

Sample failed 08-NOV-2004 (W3302OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 05-JAN-2004 (W3302OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 05-JUL-2004 (Z220AE) Hydrogen Ion = 5.76 pH va.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z301 - Ballyhanwood
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	36	25	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	36	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	64	61	>200.0	400	0.000	< 0.000	<160.052	296.800
Ammonium	mg NH4/l	S	52	49	>0.50	0	0.000	< 0.000	< 0.016	0.081
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.289	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.300	0.688	1.000
Asulam	ug/l	AS	36	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	36	25	>1.00	0	0.000	< 0.050	< 0.050	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.350	< 0.400
Boron	ug B/l	AS	36	25	>1000.0	0	0.000	8.000	9.400	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.052	0.100
Chlorfenvinphos	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	36	25	>250.00	0	0.000	< 0.000	< 10.726	13.112
Chlorpropham	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.420	0.660
Clopyralid	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	573	365	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	49		0	0.000	0.000	1.020	11.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	49		0	0.000	0.000	1.449	32.000
Colour	mg/l Pt/C	S	52	49	>20.00	0	0.000	< 0.000	< 6.416	16.160
Conductivity	uS/cm 20	AS	573	364	>2500	0	0.000	51.650	78.751	358.700
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 3.600	< 33.838	124.000
Cyanide	ug CN/l	AS	36	25	>50	0	0.000	2.000	2.312	4.000
Cypermethrum	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	36	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	36	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	132	127	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	36	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	36	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	36	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	36	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	36	25	>1.500	0	0.000	< 0.000	<170.747	244.684
Flutriafol	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	132	127		0	0.000	0.020	0.108	0.500

Water Supply Zone - Z301 - Ballyhanwood
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.002	0.006
Glyphosate	ug/l	AS	36	24	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	36	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	36	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	36	25	>0.10	0	0.000	0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	49	9.50	2	4.082	6.190	7.107	7.730
Iron	ug Fe/l	S	52	49	>20	0	0.000	< 0.000	< 79.033	191.000
Isoproturon	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	2	25.000	< 0.000	< 21.780	109.330
MCPA	ug/l	AS	36	25	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	49	>50.0	0	0.000	< 0.000	< 5.859	44.000
Mecoprop (MCP)	ug/l	AS	36	25	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	36	25	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.796	1.970
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	2.078	2.630	4.361
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	49	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.325	0.400
Simazine	ug/l	AS	36	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	6.000	8.988	13.800
Sulphate	mg SO4/l	AS	36	25	>250	0	0.000	1.895	5.827	28.374
Taste	Diln No	S	52	49	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	36	25	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	36	25	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	132	127		0	0.000	0.040	0.199	1.000
Total Coliforms	No./100ml	S	132	127	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	36	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	36	25		0	0.000	1.260	3.163	4.690
Total Pesticides	ug/l	AS	36	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	26	>100.0	250	0.000	30.500	96.262	171.900
Trifluralin	ug/l	AS	36	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	36	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	52	49	>4.00	0	0.000	< 0.080	< 0.625	2.420
op-DDT	ug/l	AS	36	25	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	36	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 54337

This zone has a surface water source :R3302

Water Supply Zone - Z301 - Ballyhanwood
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 20-SEP-2004 (Z301AE) Hydrogen Ion = 6.19 pH va.
 Sample failed 14-OCT-2004 (Z301AE) Hydrogen Ion = 6.48 pH va.
 Sample failed 19-JUL-2004 (Z301AE) Lead = 109 ug Pb/.
 Sample failed 01-MAR-2004 (Z301AE) Lead = 52 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z302 - Ballysallagh
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	35	>200.0	400	0.000	< 0.400	< 34.231	319.400
Ammonium	mg NH4/l	S	24	23	>0.50	0	0.000	< 0.000	< 0.026	0.063
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.528	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.400	0.901	1.200
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.024	0.050
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.488	0.900
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	14.000	19.250	27.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.033	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	30.146	33.876	39.910
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.120	0.775	1.530
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.014	0.020
Clostridium perfringens	No./100 ml	AS	36	36	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	23		0	0.000	0.000	11.957	156.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	23		0	0.000	0.000	4.478	53.000
Colour	mg/l Pt/C	S	24	23	>20.00	0	0.000	1.370	6.725	15.400
Conductivity	uS/cm 20	AS	36	34	>2500	0	0.000	279.800	301.706	318.400
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	9.000	35.800	81.800
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	2.000	4.163	9.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 54.244	87.005
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	48	47		0	0.000	0.060	0.132	0.500

Water Supply Zone - Z302 - Ballysallagh
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.024	0.050
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	23	9.50	0	0.000	7.260	7.490	7.850
Iron	ug Fe/l	S	24	23	>20	2	8.696	< 4.200	< 87.565	400.500
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.000	< 9.924	43.700
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.004	0.010
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	23	>50.0	0	0.000	< 0.000	< 7.935	46.700
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.007	0.020
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.053	0.100
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 2.141	3.880
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.780	14.085	25.479
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.003	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	0.300	0.388	0.700
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.002	0.005
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	5.000	13.550	16.200
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	19.524	22.824	28.487
Taste	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	48	47		0	0.000	0.080	0.306	0.500
Total Coliforms	No./100ml	S	48	47	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	1.530	7.055	10.190
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.053	0.074
Total Trihalomethanes	ug/l	S	12	13	>100.0	250	0.000	51.800	84.908	138.900
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 30.025	< 40.000
Turbidity	FTU	S	24	23	>4.00	0	0.000	< 0.080	< 0.654	2.593
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 17394

This zone has a surface water source :R3501

Water Supply Zone - Z302 - Ballysallagh
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 26-JUL-2004 (Z302AE) Iron = 264 ug Fe/.
 Sample failed 27-JAN-2004 (Z302AE) Iron = 401 ug Fe/.
 Sample failed 09-AUG-2004 (Z302AE) Lead = 44 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z303 - Breda East
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	11	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	11	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	64	61	>200.0	400	0.000	< 0.000	< 92.597	253.000
Ammonium	mg NH4/l	S	52	49	>0.50	0	0.000	< 0.000	< 0.009	0.077
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.426	0.900
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.100	0.650	1.200
Asulam	ug/l	AS	8	11	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	11	>0.10	0	0.000	0.001	0.006	0.009
Azinphos methyl	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	11	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	0.200	0.400	0.700
Boron	ug B/l	AS	8	11	>1000.0	0	0.000	< 9.000	< 13.727	18.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.066	0.200
Chlorfenvinphos	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	10	>250.00	0	0.000	< 0.000	< 17.721	23.954
Chlorpropham	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.631	1.260
Clopyralid	ug/l	AS	8	11	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	104	106	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	49		0	0.000	0.000	3.837	111.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	49		0	0.000	0.000	1.633	19.000
Colour	mg/l Pt/C	S	52	49	>20.00	0	0.000	< 0.000	< 4.230	12.400
Conductivity	uS/cm 20	AS	104	105	>2500	0	0.000	54.950	206.869	288.200
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	4.500	36.086	91.400
Cyanide	ug CN/l	AS	8	11	>5.0	0	0.000	2.000	2.155	3.000
Cypermethrum	ug/l	AS	8	11	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	11	>0.10	0	0.000	< 0.010	< 0.084	< 0.100
Dichlorvos	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	11	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	11	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	132	127	>0	1	0.787	0.000	0.031	4.000
Endosulphan Total	ug/l	AS	8	11	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	11	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	11	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	11	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	10	>1.500	0	0.000	< 0.000	< 99.418	194.152
Flutriafol	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect	mg Cl/l	S	132	127		0	0.000	0.020	0.206	1.000

Water Supply Zone - Z303 - Breda East
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	11	>0.10	0	0.000	< 0.001	< 0.001	0.002
Glyphosate	ug/l	AS	8	10	>0.10	0	0.000	< 0.020	< 0.021	0.030
Heptachlor	ug/l	AS	8	11	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	11	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	49	9.50	0	0.000	6.890	7.430	7.700
Iron	ug Fe/l	S	52	49	>20	0	0.000	< 0.000	< 50.361	171.500
Isoproturon	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.130	< 20.348	132.010
MCPA	ug/l	AS	8	11	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	49	>50.0	0	0.000	< 0.000	< 4.304	19.100
Mecoprop (MCPP)	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	11	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.980	1.440
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	2.205	2.831	3.793
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	49	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.363	0.600
Simazine	ug/l	AS	8	11	>0.100	0	0.000	< 0.001	< 0.004	0.013
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	5.600	9.775	13.700
Sulphate	mg SO4/l	AS	8	10	>250	0	0.000	7.754	15.261	22.522
Taste	Diln No	S	52	49	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	11	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	8	11	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	11	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	132	127		0	0.000	0.020	0.338	1.000
Total Coliforms	No./100ml	S	132	127	>0	1	0.787	0.000	0.063	8.000
Total Indicative Dose	mSv/year	AS	8	11	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	10		0	0.000	2.710	3.575	4.540
Total Pesticides	ug/l	AS	8	11	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	23	>100.0	0	0.000	34.800	92.783	130.100
Trifluralin	ug/l	AS	8	11	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	11	>100.00	0	0.000	< 0.100	< 32.745	< 40.000
Turbidity	FTU	S	52	49	>4.00	0	0.000	< 0.080	< 0.468	1.630
op-DDT	ug/l	AS	8	11	>0.10	0	0.000	< 0.008	< 0.015	< 0.089
pp-DDT	ug/l	AS	8	11	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 50123

This zone has a surface water source :R3302

Water Supply Zone - Z303 - Breda East
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 28-JUL-2004 (Z303AE) E_Coli = 4 No./100m.
 Sample failed 05-APR-2004 (Z303AE) Lead = 132 ug Pb/.
 Sample failed 28-JUL-2004 (Z303AE) Total Coliforms = 8 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z304 - Breda West
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)		
								Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	8	11	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	11	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	48	46	>200.0	400	0.000	< 0.000	< 78.426	237.600
Ammonium	mg NH4/l	S	36	34	>0.50	0	0.000	< 0.000	< 0.013	0.051
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.380	0.700
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.400	0.713	1.100
Asulam	ug/l	AS	8	11	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	11	>0.10	0	0.000	0.001	0.006	0.009
Azinphos methyl	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	11	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.400	0.900
Boron	ug B/l	AS	8	11	>1000.0	0	0.000	< 9.000	< 13.727	18.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.017	0.100
Chlorfenvinphos	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	10	>250.00	0	0.000	< 0.000	< 17.721	23.954
Chlorpropham	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.260	0.479	0.670
Clopyralid	ug/l	AS	8	11	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	104	106	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	36	35		0	0.000	0.000	1.829	24.000
Colony Counts 37 (48hrs)	No./1 ml	S	36	35		0	0.000	0.000	0.971	32.000
Colour	mg/l Pt/C	S	36	35	>20.00	0	0.000	< 0.000	< 4.288	10.760
Conductivity	uS/cm 20	AS	104	105	>2500	0	0.000	54.950	206.869	288.200
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	5.900	17.538	29.200
Cyanide	ug CN/l	AS	8	11	>50	0	0.000	2.000	2.155	3.000
Cypermethrum	ug/l	AS	8	11	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	11	>0.10	0	0.000	< 0.010	< 0.084	< 0.100
Dichlorvos	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	11	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	11	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	108	104	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	11	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	11	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	11	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	11	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	10	>1.500	0	0.000	< 0.000	< 99.418	194.152
Flutriafol	ug/l	AS	8	11	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	108	104		0	0.000	0.020	0.168	0.700

Water Supply Zone - Z304 - Breda West
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	11	>0.10	0	0.000	< 0.001	< 0.001	0.002
Glyphosate	ug/l	AS	8	10	>0.10	0	0.000	< 0.020	< 0.021	0.030
Heptachlor	ug/l	AS	8	11	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	11	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	35	9.50	0	0.000	7.170	7.440	7.720
Iron	ug Fe/l	S	36	35	>200	0	0.000	< 1.500	< 40.266	100.300
Isoproturon	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	2	25.000	< 0.000	< 28.343	106.470
MCPA	ug/l	AS	8	11	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	35	>50.0	0	0.000	< 0.000	< 2.677	7.500
Mecoprop (MCPP)	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	11	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.953	2.310
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.123	2.633	4.065
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	35	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.003	0.010
Parathion	ug/l	AS	8	11	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	11	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	8	11	>0.100	0	0.000	< 0.001	< 0.004	0.013
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	6.500	11.213	13.000
Sulphate	mg SO4/l	AS	8	10	>250	0	0.000	7.754	15.261	22.522
Taste	Diln No	S	36	35	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	11	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	11	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	11	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	11	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	108	104		0	0.000	0.040	0.309	1.000
Total Coliforms	No./100ml	S	108	104	>0	2	1.923	0.000	0.048	3.000
Total Indicative Dose	mSv/year	AS	8	11	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	10		0	0.000	2.710	3.575	4.540
Total Pesticides	ug/l	AS	8	11	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	26	>100.0	250	0.000	34.800	88.019	153.100
Trifluralin	ug/l	AS	8	11	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	11	>100.00	0	0.000	< 0.100	< 32.745	< 40.000
Turbidity	FTU	S	36	35	>4.00	0	0.000	< 0.080	< 0.466	2.130
op-DDT	ug/l	AS	8	11	>0.10	0	0.000	< 0.008	< 0.015	< 0.089
pp-DDT	ug/l	AS	8	11	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 42770

This zone has a surface water source :R3302

Water Supply Zone - Z304 - Breda West
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 28-JAN-2004 (Z304AE) Lead = 106 ug Pb/.
 Sample failed 01-JUN-2004 (Z304AE) Lead = 90 ug Pb/l.
 Sample failed 06-DEC-2004 (Z304AE) Total Coliforms = 2 No./100m.
 Sample failed 24-AUG-2004 (Z304AE) Total Coliforms = 3 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z305 - Clandeboye
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
								Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	64	62	>200.0	400	0.000	< 0.000	<136.261	373.900
Ammonium	mg NH4/l	S	52	50	>0.50	0	0.000	< 0.000	< 0.009	0.071
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.335	0.700
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.300	0.838	1.400
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.004	0.005
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.363	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	13.000	18.250	21.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.052	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	32.094	41.034	54.027
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.150	0.546	0.780
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	52	52	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	15.431	362.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	51		0	0.000	0.000	0.765	28.000
Colour	mg/l Pt/C	S	52	51	>20.00	0	0.000	< 0.000	< 5.493	15.640
Conductivity	uS/cm 20	AS	52	51	>2500	0	0.000	276.600	375.163	478.900
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.200	< 57.863	360.000
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 2.213	3.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.004	< 0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	168	166	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	71.927	112.878	173.150
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	168	166		0	0.000	0.020	0.235	1.000

Water Supply Zone - Z305 - Clandeboye
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	51	9.50	0	0.000	6.680	7.602	7.940
Iron	ug Fe/l	S	52	50	>20	2	4.000	< 4.400	< 80.408	317.600
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.000	< 5.401	39.260
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	50	>50.0	1	2.000	< 0.000	< 8.640	50.900
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.976	2.210
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	2.377	7.262	11.409
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	50	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.388	0.600
Simazine	ug/l	AS	8	8	>0.100	0	0.000	0.005	0.006	0.007
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	11.000	12.450	15.100
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	33.618	37.305	42.068
Taste	Diln No	S	52	50	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	168	166		0	0.000	0.040	0.332	1.500
Total Coliforms	No./100ml	S	168	166	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	0.660	1.363	1.810
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	26	>100.0	250	0.000	23.500	110.215	165.600
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 30.025	< 40.000
Turbidity	FTU	S	52	51	>4.00	0	0.000	0.100	0.600	1.880
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 66305

This zone has a surface water source :R3302

Water Supply Zone - Z305 - Clandeboye
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 09-AUG-2004 (Z305AE) Iron = 213 ug Fe/.
 Sample failed 02-AUG-2004 (Z305AE) Iron = 318 ug Fe/.
 Sample failed 18-OCT-2004 (Z305AE) Lead = 39 ug Pb/l.
 Sample failed 27-MAY-2004 (Z305AE) Manganese = 51 ug Mn/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z306 - Conlig
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	12	11	>200.0	400	9.091	< 0.800	<107.773	551.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.016	0.038
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	0.200	0.475	1.100
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.500	0.625	0.700
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.002	0.005
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.450	0.700
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	13.000	15.000	17.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.053	0.100
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	19.462	26.323	34.512
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.160	0.933	1.500
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.019	0.060
Clostridium perfringens	No./100 ml	AS	12	14	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	1.700	5.423	9.950
Conductivity	uS/cm 20	AS	12	13	>2500	0	0.000	205.200	218.615	226.800
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	12.000	16.425	25.200
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 2.825	7.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.006	0.020
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.011	< 0.089	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.004	0.010
E_Coli	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 71.121	147.092
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	12	11		0	0.000	0.020	0.087	0.100

Water Supply Zone - Z306 - Conlig
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	6.880	7.235	7.470
Iron	ug Fe/l	S	4	4	>20	2	50.000	< 8.500	<197.900	476.100
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	4	>25.0	1	25.000	< 0.000	< 16.328	43.950
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.005	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	0.600	3.675	5.200
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.005	0.010
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	1.050	1.960	2.460
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	4.336	10.818	25.006
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	0.004	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	0.300	0.350	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	11.000	12.450	13.300
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	13.642	22.217	26.770
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	11		0	0.000	0.040	0.150	0.200
Total Coliforms	No./100ml	S	12	11	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	2.850	4.978	6.730
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.052	0.062
Total Trihalomethanes	ug/l	S	12	11	>100.0	250	0.000	41.200	140.009	203.000
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.090	< 0.588	1.240
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.009	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 208

This zone has a surface water source :R3329

Water Supply Zone - Z306 - Conlig
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 27-SEP-2004 (Z306AE) Aluminium = 551 ug Al/.
 Sample failed 31-AUG-2004 (Z306AE) Iron = 476 ug Fe/.
 Sample failed 28-JUN-2004 (Z306AE) Iron = 231 ug Fe/.
 Sample failed 31-AUG-2004 (Z306AE) Lead = 44 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z307 - Dorisland
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	12	12	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	12	12	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	76	73	>200.0	0	0.000	< 0.000	< 28.240	180.500
Ammonium	mg NH4/l	S	76	72	>0.50	0	0.000	< 0.000	< 0.007	0.048
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.464	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.515	1.100
Asulam	ug/l	AS	12	12	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	12	12	>0.10	0	0.000	0.003	0.005	0.006
Azinphos methyl	ug/l	AS	12	12	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	12	12	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	12	12	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.250	< 0.400
Boron	ug B/l	AS	12	12	>1000.0	0	0.000	< 9.000	< 10.750	15.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.041	0.200
Chlorfenvinphos	ug/l	AS	12	12	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	12	10	>250.00	0	0.000	19.758	22.182	24.574
Chlorpropham	ug/l	AS	12	12	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	12	12	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	< 0.120	< 0.886	1.580
Clopyralid	ug/l	AS	12	12	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	208	209	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	76	73		0	0.000	0.000	2.589	26.000
Colony Counts 37 (48hrs)	No./1 ml	S	76	73		0	0.000	0.000	1.274	48.000
Colour	mg/l Pt/C	S	76	72	>20.00	0	0.000	< 0.000	< 2.629	8.670
Conductivity	uS/cm 20	AS	208	207	>2500	0	0.000	< 7.130	<309.975	415.200
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	16.700	36.713	79.100
Cyanide	ug CN/l	AS	12	12	>50	0	0.000	< 2.100	< 2.250	3.000
Cypermethrum	ug/l	AS	12	12	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	12	12	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	12	12	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	12	12	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	12	12	>0.10	0	0.000	< 0.010	< 0.085	< 0.100
Dichlorvos	ug/l	AS	12	12	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	12	12	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	12	12	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	12	12	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	204	198	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	12	12	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	12	12	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	12	12	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	12	12	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	12	12	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	12	12	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	12	12	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	12	11	>1.500	0	0.000	< 0.000	< 13.706	42.334
Flutriafol	ug/l	AS	12	12	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	204	198		0	0.000	0.020	0.096	2.000

Water Supply Zone - Z307 - Dorisland
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	12	12	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	12	11	>0.10	0	0.000	< 0.020	< 0.021	0.030
Heptachlor	ug/l	AS	12	12	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	12	12	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	12	12	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	76	72	9.50	0	0.000	6.950	7.430	8.570
Iron	ug Fe/l	S	76	73	>20	3	4.110	< 0.000	< 53.207	305.900
Isoproturon	ug/l	AS	12	12	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.000	< 7.041	37.940
MCPA	ug/l	AS	12	12	>0.10	0	0.000	0.000	0.022	0.050
Malathion	ug/l	AS	12	12	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	76	73	>50.0	0	0.000	< 0.000	< 3.355	23.800
Mecoprop (MCPP)	ug/l	AS	12	12	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	12	12	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.480	2.240
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.083	3.120	5.144
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	76	73	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	< 0.001	< 0.002	< 0.003
Parathion	ug/l	AS	12	12	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	12	12	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	12	12	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	12	12	>0.100	0	0.000	< 0.001	< 0.003	0.007
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.500	13.525	14.500
Sulphate	mg SO4/l	AS	12	11	>250	0	0.000	58.605	75.436	84.958
Taste	Diln No	S	76	73	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	12	12	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	12	12	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	12	12	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	12	12	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	204	198		0	0.000	0.020	0.162	0.400
Total Coliforms	No./100ml	S	204	198	>0	1	0.505	0.000	0.005	1.000
Total Indicative Dose	mSv/year	AS	12	12	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	12	11		0	0.000	1.420	2.016	2.680
Total Pesticides	ug/l	AS	12	12	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	8	8	>100.0	0	0.000	21.700	39.288	81.500
Trifluralin	ug/l	AS	12	12	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	12	12	>100.00	0	0.000	< 0.100	< 33.350	< 40.000
Turbidity	FTU	S	76	73	>4.00	0	0.000	< 0.080	< 0.414	3.010
op-DDT	ug/l	AS	12	12	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	12	12	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 83512

This zone has a surface water source :R3316

Water Supply Zone - Z307 - Dorisland
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 09-DEC-2004 (Z307AE) Iron = 201 ug Fe/.
 Sample failed 12-JAN-2004 (Z307AE) Iron = 240 ug Fe/.
 Sample failed 27-JAN-2004 (Z307AE) Iron = 306 ug Fe/.
 Sample failed 06-APR-2004 (Z307AE) Lead = 38 ug Pb/l.
 Sample failed 29-JUN-2004 (Z307AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z308 - Downpatrick
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	32	25	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	32	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	64	64	>200.0	400	1.563	< 5.700	<205.219	672.400
Ammonium	mg NH4/l	S	52	51	>0.50	0	0.000	< 0.000	< 0.007	0.042
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.294	0.900
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.520	1.200
Asulam	ug/l	AS	32	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	32	25	>1.00	0	0.000	< 0.050	< 0.050	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.438	0.800
Boron	ug B/l	AS	32	25	>1000.0	0	0.000	8.000	9.400	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.052	0.100
Chlorfenvinphos	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	32	25	>250.00	0	0.000	< 0.000	< 10.726	13.112
Chlorpropham	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.535	1.220
Clopyralid	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	401	365	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	9.442	400.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	0.538	12.000
Colour	mg/l Pt/C	S	52	52	>20.00	0	0.000	< 0.330	< 8.567	20.000
Conductivity	uS/cm 20	AS	401	364	>2500	0	0.000	51.650	78.751	358.700
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 1.200	< 15.925	27.200
Cyanide	ug CN/l	AS	32	25	>50	0	0.000	2.000	2.312	4.000
Cypermethrum	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	32	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	32	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	156	155	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	32	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	32	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	32	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	32	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	32	25	>1.500	0	0.000	< 0.000	<170.747	244.684
Flutriafol	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect	mg Cl/l	S	156	155		0	0.000	< 0.010	< 0.163	1.000

Water Supply Zone - Z308 - Downpatrick
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.002	0.006
Glyphosate	ug/l	AS	32	24	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	32	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	32	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	32	25	>0.10	0	0.000	0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	52	9.50	1	1.923	6.490	7.275	9.060
Iron	ug Fe/l	S	52	52	>20	2	3.846	< 1.900	< 94.883	207.200
Isoproturon	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 0.395	< 0.900
MCPA	ug/l	AS	32	25	>0.10	0	0.000	0.000	< 0.003	0.010
Malathion	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	>50.0	1	1.923	< 0.000	< 8.029	59.100
Mecoprop (MCP)	ug/l	AS	32	25	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	32	25	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.738	1.500
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.667	2.149	2.506
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.338	0.500
Simazine	ug/l	AS	32	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	4.700	7.725	12.700
Sulphate	mg SO4/l	AS	32	25	>250	0	0.000	1.895	5.827	28.374
Taste	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	32	25	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	32	25	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	156	155		0	0.000	0.020	0.276	1.500
Total Coliforms	No./100ml	S	156	155	>0	2	1.290	0.000	0.039	3.000
Total Indicative Dose	mSv/year	AS	32	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	32	25		0	0.000	1.260	3.163	4.690
Total Pesticides	ug/l	AS	32	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	25	>100.0	250	0.000	8.900	105.936	200.500
Trifluralin	ug/l	AS	32	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	32	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	52	52	>4.00	0	0.000	< 0.080	< 0.696	2.190
op-DDT	ug/l	AS	32	25	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	32	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 60026

This zone has a surface water source :R3302

Water Supply Zone - Z308 - Downpatrick
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 30-NOV-2004 (Z308AE) Aluminium = 672 ug Al/.
 Sample failed 06-SEP-2004 (Z308AE) Hydrogen Ion = 6.49 pH va.
 Sample failed 02-AUG-2004 (Z308AE) Iron = 203 ug Fe/.
 Sample failed 26-JUL-2004 (Z308AE) Iron = 207 ug Fe/.
 Sample failed 05-JUL-2004 (Z308AE) Manganese = 59 ug Mn/l.
 Sample failed 02-MAR-2004 (Z308AE) Total Coliforms = 3 No./100m.
 Sample failed 08-JUN-2004 (Z308AE) Total Coliforms = 3 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z309 - Dunmurry
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	64	68	>200.0	400	0.000	< 0.000	< 7.941	223.800
Ammonium	mg NH4/l	S	52	50	>0.50	0	0.000	< 0.000	< 0.020	0.243
Antimony	ug Sb/l	S	8	7	>5.0	0	0.000	< 0.170	< 0.307	1.000
Arsenic	ug As/l	S	8	7	>10.0	0	0.000	0.400	0.729	1.000
Asulam	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	7	>0.10	0	0.000	0.006	0.008	0.011
Azinphos methyl	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	7	>10.0	0	0.000	< 0.100	< 0.371	0.800
Boron	ug B/l	AS	8	7	>1000.0	0	0.000	< 9.000	< 17.857	28.000
Bromate	ug/l	S	8	7	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	7	>5.0	0	0.000	0.000	0.019	0.100
Chlorfenvinphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	25.414	27.279	31.973
Chlorpropham	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	7	>50	0	0.000	0.490	0.727	1.380
Clopyralid	ug/l	AS	8	7	>0.10	0	0.000	< 0.014	< 0.014	< 0.014
Clostridium perfringens	No./100 ml	AS	104	104	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	51		0	0.000	0.000	2.588	31.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	51		0	0.000	0.000	4.588	63.000
Colour	mg/l Pt/C	S	52	51	>20.00	0	0.000	< 0.000	< 10.004	18.640
Conductivity	uS/cm 20	AS	104	102	>2500	0	0.000	159.800	281.736	360.700
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	14.100	68.367	221.400
Cyanide	ug CN/l	AS	8	7	>50	0	0.000	< 2.100	< 3.729	5.000
Cypermethrum	ug/l	AS	8	7	>0.10	0	0.000	< 0.011	< 0.012	< 0.013
Diazinon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Dichlorbenil	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	132	142	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 6.515	< 35.774	93.405
Flutriafol	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	132	142		0	0.000	0.040	0.145	1.100

Water Supply Zone - Z309 - Dunmurry
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	7	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	51	9.50	0	0.000	7.140	7.425	7.700
Iron	ug Fe/l	S	52	51	>200	1	1.961	< 0.000	< 36.684	274.900
Isoproturon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	2	22.222	< 0.000	< 11.012	43.270
MCPA	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Malathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	51	>50.0	0	0.000	< 0.000	< 5.414	15.700
Mecoprop (MCP)	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Mercury	ug Hg/l	AS	8	7	>1.0	0	0.000	< 0.046	< 0.054	0.100
Nickel	ug Ni/l	S	8	7	>20.00	0	0.000	1.500	1.789	2.370
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	0.105	2.075	5.931
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	51	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	7	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Propetamphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	7	>10.0	0	0.000	< 0.300	< 0.371	0.600
Simazine	ug/l	AS	8	7	>0.100	0	0.000	0.011	0.013	0.018
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	14.000	25.844	115.800
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	12.489	19.545	26.088
Taste	Diln No	S	52	51	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	132	142		0	0.000	0.060	0.262	1.500
Total Coliforms	No./100ml	S	132	142	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	7	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	4.270	5.266	6.480
Total Pesticides	ug/l	AS	8	7	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	18	>100.0	250	0.000	62.100	99.856	148.400
Trifluralin	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	7	>100.00	0	0.000	< 0.100	< 28.600	< 40.000
Turbidity	FTU	S	52	51	>4.00	0	0.000	0.100	0.329	2.840
op-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 52835

This zone has a surface water source :R3315

Water Supply Zone - Z309 - Dunmurry
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 26-JUL-2004 (Z309AE) Iron = 275 ug Fe/.
 Sample failed 19-JUL-2004 (Z309AE) Lead = 31 ug Pb/l.
 Sample failed 06-SEP-2004 (Z309AE) Lead = 43 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z310 - Dunore East
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	24	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	52	50	>200.0	0	0.000	< 0.000	< 4.762	13.500
Ammonium	mg NH4/l	S	52	49	>0.50	0	0.000	< 0.000	< 0.016	0.048
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.430	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.500	0.775	1.100
Asulam	ug/l	AS	24	24	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	24	>0.10	0	0.000	0.005	0.009	0.019
Azinphos methyl	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	24	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.325	0.700
Boron	ug B/l	AS	24	24	>1000.0	0	0.000	< 9.000	< 17.375	22.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.067	0.200
Chlorfenvinphos	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	22	>250.00	0	0.000	21.960	23.692	33.398
Chlorpropham	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.620	1.350
Clopyralid	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens	No./100 ml	AS	365	361	>0	3	0.831	0.000	0.011	2.000
Colony Counts 22	No./1 ml	S	52	50		0	0.000	0.000	4.260	32.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	50		0	0.000	0.000	8.880	354.000
Colour	mg/l Pt/C	S	52	49	>20.00	0	0.000	< 0.000	< 2.648	10.500
Conductivity	uS/cm 20	AS	365	360	>2500	0	0.000	< 7.420	<281.689	585.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	9.000	52.388	219.400
Cyanide	ug CN/l	AS	24	24	>50	0	0.000	2.000	2.308	3.000
Cypermethrum	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.085	< 0.100
Dichlorvos	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	24	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	24	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	168	164	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	24	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	24	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	7		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	24	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	24	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	23	>1.500	0	0.000	< 0.000	< 55.413	505.081
Flutriafol	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	168	164		0	0.000	0.040	0.164	0.500

Water Supply Zone - Z310 - Dunore East
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	24	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	23	>0.10	0	0.000	< 0.020	< 0.021	0.050
Heptachlor	ug/l	AS	24	24	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	24	24	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	52	50	9.50	0	0.000	7.230	7.525	7.790
Iron	ug Fe/l	S	52	50	>200	0	0.000	< 0.000	< 11.626	43.000
Isoproturon	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 7.588	21.450
MCPA	ug/l	AS	24	24	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	50	>50.0	0	0.000	< 0.000	< 1.226	6.600
Mecoprop (MCP)	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	0.010
Mercury	ug Hg/l	AS	24	24	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	0.860	1.495	2.230
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	2.096	3.491	6.848
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	50	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.003	0.010
Parathion	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	24	24	>0.100	0	0.000	0.002	0.009	0.023
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	11.000	12.950	14.000
Sulphate	mg SO4/l	AS	24	23	>250	0	0.000	13.542	14.859	16.395
Taste	Diln No	S	52	50	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	24	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	24	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	168	164		0	0.000	0.020	0.298	0.700
Total Coliforms	No./100ml	S	168	164	>0	1	0.610	0.000	0.006	1.000
Total Indicative Dose	mSv/year	AS	24	24	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	23		0	0.000	3.480	4.339	5.390
Total Pesticides	ug/l	AS	24	24	>0.5000	0	0.000	< 0.050	< 0.052	0.086
Total Trihalomethanes	ug/l	S	24	23	>100.0	150	4.348	38.300	69.761	165.900
Trifluralin	ug/l	AS	24	24	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	24	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	52	49	>4.00	0	0.000	< 0.090	< 0.264	1.200
op-DDT	ug/l	AS	24	24	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	24	24	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 66511

This zone has a surface water source :R3301

Water Supply Zone - Z310 - Dunore East
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contra- vening PCV	% of samples contra- vening PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 15-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 03-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 20-MAY-2004 (Z310AE) Total Coliforms = 1 No./100m.
 Sample failed 25-AUG-2004 (Z310AE) Total Trihalomethanes = 165.9 ug/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z311 - Hollywood
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	12	12	>200.0	400	0.000	< 0.000	< 72.033	366.100
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.023	0.060
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.480	0.850
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.400	0.688	1.150
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	0.001	0.002	0.003
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.400	< 0.875	2.100
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	20.000	22.375	26.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.661	2.600
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	21.779	27.944	34.004
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.120	0.575	1.290
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.014	< 0.016	0.030
Clostridium perfringens	No./100 ml	AS	12	12	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	4.750	19.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.250	1.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	0.591	3.753	7.240
Conductivity	uS/cm 20	AS	12	12	>2500	0	0.000	253.800	262.583	267.700
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	15.300	39.225	71.700
Cyanide	ug CN/l	AS	8	8	>50	0	0.000	< 2.100	< 5.638	10.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	24.061	63.761	126.404
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	0.020	0.158	0.700

Water Supply Zone - Z311 - Hollywood
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	6.780	7.180	7.460
Iron	ug Fe/l	S	4	4	>20	1	25.000	< 6.400	< 89.625	268.900
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	4	>25.0	1	25.000	< 0.000	< 22.923	80.290
MCPA	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.005	0.010
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.000	< 6.950	23.800
Mecoprop (MCP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 1.845	3.480
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	2.018	4.812	8.917
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	< 0.001	< 0.004	0.010
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.350	0.400
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.003	0.005
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	5.700	10.775	13.500
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	25.494	28.005	32.619
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	12		0	0.000	0.060	0.355	1.500
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	4.180	5.228	7.110
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	12	>100.0	250	0.000	44.700	107.608	198.700
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.130	0.556	0.960
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.009	0.010
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 3741

This zone has a surface water source :R3320

Water Supply Zone - Z311 - Hollywood
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 16-AUG-2004 (Z311AE) Iron = 269 ug Fe/.
 Sample failed 16-AUG-2004 (Z311AE) Lead = 80 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z312 - Kilkeel/Annalong
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	24	15	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	15	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	35	>200.0	2	5.714	17.400	259.880	415.200
Ammonium	mg NH4/l	S	24	22	>0.50	0	0.000	< 0.000	< 0.024	0.162
Antimony	ug Sb/l	S	8	7	>5.0	0	0.000	< 0.170	< 0.463	0.900
Arsenic	ug As/l	S	8	7	>10.0	0	0.000	0.300	0.557	0.900
Asulam	ug/l	AS	24	15	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	15	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	24	15	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	15	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	15	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	7	>10.0	0	0.000	0.100	0.486	1.500
Boron	ug B/l	AS	24	15	>1000.0	0	0.000	8.000	< 8.933	< 9.000
Bromate	ug/l	S	8	7	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	7	>5.0	0	0.000	0.000	0.059	0.100
Chlorfenvinphos	ug/l	AS	24	15	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	16	>250.00	0	0.000	7.000	9.653	11.065
Chlorpropham	ug/l	AS	24	15	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	15	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	7	>5.0	0	0.000	< 0.120	< 0.549	1.210
Clopyralid	ug/l	AS	24	15	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	72	44	>0	2	4.545	0.000	0.068	2.000
Colony Counts 22	No./1 ml	S	24	23		0	0.000	0.000	12.913	194.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	23		0	0.000	0.000	1.609	24.000
Colour	mg/l Pt/C	S	24	23	>20.00	2	8.696	3.420	13.458	23.010
Conductivity	uS/cm 20	AS	72	43	>2500	0	0.000	49.680	57.930	76.640
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.000	< 21.638	63.200
Cyanide	ug CN/l	AS	24	15	>50	0	0.000	2.000	2.253	3.000
Cypermethrum	ug/l	AS	24	15	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	15	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	15	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	15	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	15	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	15	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	36	35	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	15	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	15	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	15	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	15	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	15	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	15	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	15	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	16	>1.500	0	0.000	57.131	173.727	222.502
Flutriafol	ug/l	AS	24	15	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	36	35		0	0.000	0.020	0.078	0.400

Water Supply Zone - Z312 - Kilkeel/Annalong
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	15	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	15	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	24	15	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	24	15	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	23	9.50	3	13.043	6.280	7.569	9.800
Iron	ug Fe/l	S	24	23	>20	2	8.696	32.700	122.196	437.900
Isoproturon	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 0.604	< 1.460
MCPA	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.003	0.010
Malathion	ug/l	AS	24	15	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	23	>50.0	1	4.348	2.700	13.057	160.000
Mecoprop (MCP)	ug/l	AS	24	15	>0.10	0	0.000	< 0.003	< 0.003	0.010
Mercury	ug Hg/l	AS	24	15	>1.0	0	0.000	< 0.046	< 0.083	0.600
Nickel	ug Ni/l	S	8	7	>20.00	0	0.000	< 0.500	< 0.600	0.820
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.069	2.553	9.736
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	7	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	15	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	15	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	15	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	7	>10.0	0	0.000	< 0.300	< 0.357	0.600
Simazine	ug/l	AS	24	15	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	4.300	5.113	5.700
Sulphate	mg SO4/l	AS	24	16	>250	0	0.000	< 0.530	< 8.271	46.556
Taste	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	15	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	15	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	15	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	15	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	35		0	0.000	0.020	0.144	0.500
Total Coliforms	No./100ml	S	36	35	>0	1	2.857	0.000	0.143	5.000
Total Indicative Dose	mSv/year	AS	24	15	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	16		0	0.000	2.010	3.201	4.630
Total Pesticides	ug/l	AS	24	15	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	13	>100.0	250	0.000	61.200	111.585	195.300
Trifluralin	ug/l	AS	24	15	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	15	>100.00	0	0.000	< 0.100	< 32.020	< 40.000
Turbidity	FTU	S	24	23	>4.00	1	4.348	0.260	1.017	5.800
op-DDT	ug/l	AS	24	15	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	24	15	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 11658

This zone has a surface water source :R3302

Water Supply Zone - Z312 - Kilkeel/Annalong
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 15-NOV-2004 (Z312AE) Aluminium = 410 ug Al/.
 Sample failed 26-JAN-2004 (Z312AE) Aluminium = 415 ug Al/.
 Sample failed 08-NOV-2004 (W3302OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 05-JAN-2004 (W3302OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 09-FEB-2004 (Z312AE) Colour = 22 mg/l Pt.
 Sample failed 18-OCT-2004 (Z312AE) Colour = 23 mg/l Pt.
 Sample failed 29-NOV-2004 (Z312AE) Hydrogen Ion = 6.3 pH val.
 Sample failed 20-DEC-2004 (Z312AE) Hydrogen Ion = 9.8 pH val.
 Sample failed 31-AUG-2004 (Z312AE) Hydrogen Ion = 6.38 pH va.
 Sample failed 29-NOV-2004 (Z312AE) Iron = 221 ug Fe/.
 Sample failed 26-JAN-2004 (Z312AE) Iron = 438 ug Fe/.
 Sample failed 26-JAN-2004 (Z312AE) Manganese = 160 ug Mn/.
 Sample failed 15-NOV-2004 (Z312AE) Total Coliforms = 5 No./100m.
 Sample failed 26-JAN-2004 (Z312AE) Turbidity = 5.80 FTU.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z313 - Lisbane
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	32	25	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	32	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	38	>200.0	400	0.000	< 0.000	<204.858	393.300
Ammonium	mg NH4/l	S	24	25	>0.50	0	0.000	< 0.000	< 0.027	0.369
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.348	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.423	0.800
Asulam	ug/l	AS	32	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	32	25	>1.00	0	0.000	< 0.050	< 0.050	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.275	< 0.400
Boron	ug B/l	AS	32	25	>1000.0	0	0.000	8.000	9.400	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.060	0.200
Chlorfenvinphos	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	32	25	>250.00	0	0.000	< 0.000	< 10.726	13.112
Chlorpropham	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.240	0.566	1.300
Clopyralid	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	389	365	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	25		0	0.000	0.000	6.800	82.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	25		0	0.000	0.000	0.800	16.000
Colour	mg/l Pt/C	S	24	25	>20.00	0	0.000	< 0.000	< 9.144	20.240
Conductivity	uS/cm 20	AS	389	364	>2500	0	0.000	51.650	78.751	358.700
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 4.400	< 41.200	129.400
Cyanide	ug CN/l	AS	32	25	>50	0	0.000	2.000	2.312	4.000
Cypermethrum	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	32	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	32	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	60	62	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	32	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	32	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	32	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	32	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	32	25	>1.500	0	0.000	< 0.000	<170.747	244.684
Flutriafol	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	mg Cl/l	S	60	62		0	0.000	0.020	0.159	2.000

Water Supply Zone - Z313 - Lisbane
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.002	0.006
Glyphosate	ug/l	AS	32	24	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	32	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	32	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	32	25	>0.10	0	0.000	0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	25	9.50	1	4.000	6.190	6.944	7.670
Iron	ug Fe/l	S	24	25	>20	2	8.000	< 7.900	<106.740	224.000
Isoproturon	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	9	>25.0	0	0.000	< 0.670	< 1.531	5.320
MCPA	ug/l	AS	32	25	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	25	>50.0	0	0.000	< 0.000	< 7.240	27.900
Mecoprop (MCP)	ug/l	AS	32	25	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	32	25	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.555	8.040
Nitrate	mg NO3/l	S	8	9	>50.00	0	0.000	1.563	2.946	9.226
Nitrite	mg NO2/l	S	8	9	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	25	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	32	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	4.600	6.167	13.400
Sulphate	mg SO4/l	AS	32	25	>250	0	0.000	1.895	5.827	28.374
Taste	Diln No	S	24	25	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	32	25	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	32	25	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	60	62		0	0.000	0.020	0.242	2.500
Total Coliforms	No./100ml	S	60	62	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	32	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	32	25		0	0.000	1.260	3.163	4.690
Total Pesticides	ug/l	AS	32	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	13	>100.0	250	0.000	7.800	91.862	128.400
Trifluralin	ug/l	AS	32	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	32	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	24	25	>4.00	0	0.000	0.110	0.759	1.770
op-DDT	ug/l	AS	32	25	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	32	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 21096

This zone has a surface water source :R3302

Water Supply Zone - Z313 - Lisbane
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 16-SEP-2004 (Z313AE) Hydrogen Ion = 6.19 pH va.
 Sample failed 08-JAN-2004 (Z313AE) Iron = 224 ug Fe/.
 Sample failed 25-NOV-2004 (Z313AE) Iron = 214 ug Fe/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z314 - Lisburn North
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	35	>200.0	400	0.000	< 0.000	< 32.666	252.200
Ammonium	mg NH4/l	S	24	23	>0.50	0	0.000	< 0.000	< 0.015	0.047
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.314	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.200	0.738	1.400
Asulam	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	7	>0.10	0	0.000	0.002	0.005	0.009
Azinphos methyl	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.525	1.700
Boron	ug B/l	AS	8	7	>1000.0	0	0.000	15.000	21.286	41.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.002	< 0.012
Chlorfenvinphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	22.713	24.871	26.938
Chlorpropham	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.410	0.708	0.890
Clopyralid	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.017	0.040
Clostridium perfringens	No./100 ml	AS	12	14	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	23		0	0.000	0.000	0.217	3.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	23		0	0.000	0.000	2.522	14.000
Colour	mg/l Pt/C	S	24	23	>20.00	0	0.000	< 0.000	< 9.813	19.630
Conductivity	uS/cm 20	AS	12	12	>2500	0	0.000	277.500	298.758	320.400
Copper	ug Cu/l	S	8	7	>2.000	0	0.000	7.400	111.571	321.100
Cyanide	ug CN/l	AS	8	7	>50	0	0.000	2.000	2.486	4.000
Cypermethrum	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.011	< 0.011
Diazinon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	8	7	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.087	< 0.100
Dichlorvos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 41.111	85.945
Flutriafol	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	48	46		0	0.000	0.020	0.226	1.500

Water Supply Zone - Z314 - Lisburn North
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	6	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	7	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	23	9.50	1	4.348	6.290	7.344	7.780
Iron	ug Fe/l	S	24	23	>20	0	0.000	< 0.500	< 40.583	178.600
Isoproturon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 3.086	16.670
MCPA	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.004	0.010
Malathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	23	>50.0	0	0.000	< 0.000	< 3.287	9.200
Mecoprop (MCP)	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.004	0.010
Mercury	ug Hg/l	AS	8	7	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.468	2.850
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.934	2.158	3.295
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.325	0.500
Simazine	ug/l	AS	8	7	>0.100	0	0.000	0.008	0.011	0.018
Sodium	mg Na/l	S	8	7	>200.00	0	0.000	12.900	14.143	15.300
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	13.863	17.660	21.150
Taste	Diln No	S	24	23	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	48	46		0	0.000	0.030	0.337	2.000
Total Coliforms	No./100ml	S	48	46	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	7	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	3.240	4.100	5.340
Total Pesticides	ug/l	AS	8	7	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	16	>100.0	250	0.000	47.400	86.363	122.800
Trifluralin	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	7	>100.00	0	0.000	< 0.100	< 34.300	< 40.000
Turbidity	FTU	S	24	23	>4.00	0	0.000	0.100	0.398	1.470
op-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.008	< 0.008	< 0.008
pp-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 16962

This zone has a surface water source :R3315

Water Supply Zone - Z314 - Lisburn North
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 15-SEP-2004 (Z314AE) Hydrogen Ion = 6.29 pH va.

Notes:

- PCV = Prescribed Concentration or Value
- U = Undertaking
- I = Increased Sampling Frequency
- S = Standard Sampling Frequency
- A = Authorised Supply Point

Water Supply Zone - Z315 - Lisnabreeny
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	32	25	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	32	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	64	64	>200.0	400	1.563	< 0.000	<193.736	497.100
Ammonium	mg NH4/l	S	52	52	>0.50	0	0.000	< 0.000	< 0.010	0.058
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.264	0.500
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.553	1.100
Asulam	ug/l	AS	32	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	32	25	>1.00	0	0.000	< 0.050	< 0.050	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.375	0.600
Boron	ug B/l	AS	32	25	>1000.0	0	0.000	8.000	9.400	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.028	0.100
Chlorfenvinphos	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	32	25	>250.00	0	0.000	< 0.000	< 10.726	13.112
Chlorpropham	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.394	0.670
Clopyralid	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	401	365	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	1.308	26.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	1.192	31.000
Colour	mg/l Pt/C	S	52	52	>20.00	0	0.000	< 0.000	< 8.499	17.830
Conductivity	uS/cm 20	AS	401	364	>2500	0	0.000	51.650	78.751	358.700
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	5.500	21.588	52.400
Cyanide	ug CN/l	AS	32	25	>50	0	0.000	2.000	2.312	4.000
Cypermethrum	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	32	25	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	32	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	32	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	156	155	>0	1	0.645	0.000	0.013	2.000
Endosulphan Total	ug/l	AS	32	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	32	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	32	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	32	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	32	25	>1.500	0	0.000	< 0.000	<170.747	244.684
Flutriafol	ug/l	AS	32	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect	mg Cl/l	S	156	155		0	0.000	< 0.000	< 0.094	1.000

Water Supply Zone - Z315 - Lisnabreeny
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.002	0.006
Glyphosate	ug/l	AS	32	24	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	32	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	32	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	32	25	>0.10	0	0.000	0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	52	9.50	1	1.923	6.020	7.030	7.540
Iron	ug Fe/l	S	52	52	>20	1	1.923	< 1.200	< 92.687	248.800
Isoproturon	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.000	< 8.130	46.710
MCPA	ug/l	AS	32	25	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	>50.0	1	1.923	< 0.000	< 6.212	64.600
Mecoprop (MCP)	ug/l	AS	32	25	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	32	25	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.788	1.480
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.108	1.882	2.499
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Parathion	ug/l	AS	32	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	32	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	32	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	4.200	5.888	12.500
Sulphate	mg SO4/l	AS	32	25	>250	0	0.000	1.895	5.827	28.374
Taste	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	32	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	32	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	32	25	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	32	25	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	156	155		0	0.000	0.020	0.177	2.000
Total Coliforms	No./100ml	S	156	155	>0	2	1.290	0.000	0.045	5.000
Total Indicative Dose	mSv/year	AS	32	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	32	25		0	0.000	1.260	3.163	4.690
Total Pesticides	ug/l	AS	32	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	26	>100.0	250	0.000	20.800	82.042	145.000
Trifluralin	ug/l	AS	32	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	32	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	52	52	>4.00	0	0.000	< 0.000	< 0.625	1.690
op-DDT	ug/l	AS	32	25	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	32	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 62907

This zone has a surface water source :R3302

Water Supply Zone - Z315 - Lisnabreeny
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 15-NOV-2004 (Z315AE) Aluminium = 497 ug Al/.
 Sample failed 12-MAR-2004 (Z315AE) E_Coli = 2 No./100m.
 Sample failed 06-SEP-2004 (Z315AE) Hydrogen Ion = 6.02 pH va.
 Sample failed 04-JUN-2004 (Z315AE) Iron = 249 ug Fe/.
 Sample failed 01-MAR-2004 (Z315AE) Lead = 47 ug Pb/l.
 Sample failed 04-JUN-2004 (Z315AE) Manganese = 65 ug Mn/l.
 Sample failed 12-MAR-2004 (Z315AE) Total Coliforms = 2 No./100m.
 Sample failed 10-JUN-2004 (Z315AE) Total Coliforms = 5 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z316 - Lough Cowey
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	12	11	>200.0	0	0.000	< 0.400	< 40.682	170.800
Ammonium	mg NH4/l	S	12	12	>0.50	0	0.000	< 0.000	< 0.016	0.063
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.421	1.000
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.500	0.750	1.600
Asulam	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.002	0.003
Azinphos methyl	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	8	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.325	< 0.400
Boron	ug B/l	AS	8	8	>1000.0	0	0.000	12.000	19.125	23.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.005	< 0.012
Chlorfenvinphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	38.643	41.501	44.278
Chlorpropham	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.469	1.250
Clopyralid	ug/l	AS	8	8	>0.10	0	0.000	< 0.014	< 0.014	0.020
Clostridium perfringens	No./100 ml	AS	24	25	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	12	11		0	0.000	0.000	1.909	13.000
Colony Counts 37 (48hrs)	No./1 ml	S	12	11		0	0.000	0.000	38.364	400.000
Colour	mg/l Pt/C	S	12	11	>20.00	0	0.000	< 0.000	< 3.608	9.624
Conductivity	uS/cm 20	AS	24	25	>2500	0	0.000	415.200	439.624	455.800
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	7.700	20.775	57.200
Cyanide	ug CN/l	AS	8	8	>5.0	0	0.000	< 2.100	< 3.175	6.000
Cypermethrum	ug/l	AS	8	8	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.005	0.010
Dichlorbenil	ug/l	AS	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	24	23	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	8	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 0.000	< 20.340	55.802
Flutriafol	ug/l	AS	8	8	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfect	mg Cl/l	S	24	23		0	0.000	0.040	0.180	0.600

Water Supply Zone - Z316 - Lough Cowey
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	8	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	8	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	8	8	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	12	11	9.50	0	0.000	7.240	7.516	7.660
Iron	ug Fe/l	S	12	11	>20.0	0	0.000	< 4.800	< 41.045	123.400
Isoproturon	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 1.725	4.400
MCPA	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.007	0.020
Malathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	12	11	>50.0	0	0.000	< 0.400	< 2.809	5.000
Mecoprop (MCPP)	ug/l	AS	8	8	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	8	8	>1.0	0	0.000	< 0.046	< 0.053	0.100
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.999	1.450
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.691	7.325	15.486
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	12	11	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	8	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Propetamphos	ug/l	AS	8	8	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.425	0.800
Simazine	ug/l	AS	8	8	>0.100	0	0.000	< 0.001	< 0.001	0.004
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	13.300	21.575	24.000
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	28.618	52.345	59.089
Taste	Diln No	S	12	11	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	8	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	8	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	8	8	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	8	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	24	23		0	0.000	0.040	0.276	1.000
Total Coliforms	No./100ml	S	24	23	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	8	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8		0	0.000	2.690	3.499	4.240
Total Pesticides	ug/l	AS	8	8	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	11	>100.0	150	2	18.182	55.700	92.973
Trifluralin	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	8	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	12	11	>4.00	0	0.000	< 0.090	< 0.306	0.780
op-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	8	8	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 5647

This zone has a surface water source :R3505

Water Supply Zone - Z316 - Lough Cowey
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 28-JUL-2004 (Z316AE) Total Trihalomethanes = 160.1 ug/l.
 Sample failed 03-SEP-2004 (Z316AE) Total Trihalomethanes = 170.0 ug/l.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z317 - North Peninsula
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	8	10	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	10	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	48	48	>200.0	400	0.000	< 0.600	< 98.425	390.700
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.002	0.022
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.339	0.800
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.800	1.263	1.700
Asulam	ug/l	AS	8	10	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	10	>0.10	0	0.000	0.002	0.002	0.003
Azinphos methyl	ug/l	AS	8	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	10	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.325	< 0.400
Boron	ug B/l	AS	8	10	>1000.0	0	0.000	9.000	10.600	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.053	0.100
Chlorfenvinphos	ug/l	AS	8	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	9	>250.00	0	0.000	21.994	25.963	39.619
Chlorpropham	ug/l	AS	8	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	< 0.120	< 0.833	1.530
Clopyralid	ug/l	AS	8	10	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	0	0	>0	0	0			
Colony Counts 22	No./1 ml	S	36	37		0	0.000	0.000	9.054	312.000
Colony Counts 37 (48hrs)	No./1 ml	S	36	37		0	0.000	0.000	0.865	15.000
Colour	mg/l Pt/C	S	36	37	>20.00	0	0.000	< 0.000	< 3.951	11.840
Conductivity	uS/cm 20	AS	36	35	>2500	0	0.000	57.870	221.265	871.200
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 2.500	< 8.225	12.600
Cyanide	ug CN/l	AS	8	10	>50	0	0.000	2.000	< 2.090	< 2.100
Cypermethrum	ug/l	AS	8	10	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	8	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	10	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	8	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	10	>0.10	0	0.000	< 0.010	< 0.091	< 0.100
Dichlorvos	ug/l	AS	8	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	10	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	10	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	120	119	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	10	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	10	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	10	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	10	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	9	>1.500	0	0.000	< 0.000	<144.109	196.202
Flutriafol	ug/l	AS	8	10	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	120	119		0	0.000	0.020	0.128	0.800

Water Supply Zone - Z317 - North Peninsula
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	8	10	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	9	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	8	10	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	10	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	37	9.50	0	0.000	7.450	7.728	7.990
Iron	ug Fe/l	S	36	37	>20	1	2.703	< 0.000	< 55.554	232.400
Isoproturon	ug/l	AS	8	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	0	0.000	< 0.000	< 0.899	2.720
MCPA	ug/l	AS	8	10	>0.10	0	0.000	0.000	< 0.002	< 0.003
Malathion	ug/l	AS	8	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	37	>50.0	1	2.703	< 0.000	< 4.941	62.800
Mecoprop (MCP)	ug/l	AS	8	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	10	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.755	1.180
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	3.571	18.407	25.228
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	37	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	8	10	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	10	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.525	0.700
Simazine	ug/l	AS	8	10	>0.100	0	0.000	< 0.001	< 0.003	0.004
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	13.400	18.150	22.600
Sulphate	mg SO4/l	AS	8	9	>250	0	0.000	12.950	18.581	33.569
Taste	Diln No	S	36	37	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	10	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	10	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	8	10	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	10	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg Cl/l	S	120	119	>0	0	0.000	0.050	0.185	1.000
Total Coliforms	No./100ml	S	120	119	>0	1	0.840	0.000	0.008	1.000
Total Indicative Dose	mSv/year	AS	8	10	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	10	>0.100	0	0.000	1.830	2.513	3.250
Total Pesticides	ug/l	AS	8	10	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	25	>100.0	250	0.000	32.400	108.076	197.300
Trifluralin	ug/l	AS	8	10	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	10	>100.00	0	0.000	< 0.100	< 32.020	< 40.000
Turbidity	FTU	S	36	37	>4.00	0	0.000	0.100	0.589	2.540
op-DDT	ug/l	AS	8	10	>0.10	0	0.000	< 0.008	< 0.016	< 0.089
pp-DDT	ug/l	AS	8	10	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 45627

This zone has a surface water source :R3302

Water Supply Zone - Z317 - North Peninsula
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 07-JUN-2004 (Z317AE) Iron = 232 ug Fe/.
 Sample failed 07-JUN-2004 (Z317AE) Manganese = 63 ug Mn/l.
 Sample failed 28-APR-2004 (Z317AE) Total Coliforms = 1 No./100m.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z318 - Oldpark
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	36	36	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	36	36	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	52	49	>200.0	0	0.000	< 0.000	< 7.835	36.200
Ammonium	mg NH4/l	S	52	49	>0.50	0	0.000	< 0.000	< 0.022	0.280
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.343	0.600
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.400	0.800	1.300
Asulam	ug/l	AS	36	36	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	36	36	>0.10	0	0.000	0.003	0.008	0.019
Azinphos methyl	ug/l	AS	36	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	36	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	36	36	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.313	0.500
Boron	ug B/l	AS	36	36	>1000.0	0	0.000	< 9.000	< 15.167	22.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.005	< 0.012
Chlorfenvinphos	ug/l	AS	36	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	36	32	>250.00	0	0.000	19.758	23.220	33.398
Chlorpropham	ug/l	AS	36	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	36	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.130	0.514	0.740
Clopyralid	ug/l	AS	36	36	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens	No./100 ml	AS	573	570	>0	3	0.526	0.000	0.007	2.000
Colony Counts 22	No./1 ml	S	52	48		0	0.000	0.000	5.396	191.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	48		0	0.000	0.000	13.729	429.000
Colour	mg/l Pt/C	S	52	49	>20.00	0	0.000	< 0.000	< 2.581	11.780
Conductivity	uS/cm 20	AS	573	567	>2500	0	0.000	< 7.130	<292.016	585.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 1.000	< 44.775	208.600
Cyanide	ug CN/l	AS	36	36	>50	0	0.000	2.000	2.289	3.000
Cypermethrum	ug/l	AS	36	36	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	36	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	36	36	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	36	36	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	36	36	>0.10	0	0.000	< 0.010	< 0.085	< 0.100
Dichlorvos	ug/l	AS	36	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	36	36	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	36	36	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	36	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	144	138	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	36	36	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	36	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	36	36	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	36	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	36	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	36	36	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	36	36	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	36	34	>1.500	0	0.000	< 0.000	< 41.920	505.081
Flutriafol	ug/l	AS	36	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	144	139		0	0.000	0.020	0.151	0.400

Water Supply Zone - Z318 - Oldpark
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	36	36	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	36	34	>0.10	0	0.000	< 0.020	< 0.021	0.050
Heptachlor	ug/l	AS	36	36	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	36	36	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	36	36	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	52	49	9.50	1	2.041	6.460	7.457	7.720
Iron	ug Fe/l	S	52	49	>200	0	0.000	< 0.000	< 16.024	92.300
Isoproturon	ug/l	AS	36	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.000	< 5.776	29.000
MCPA	ug/l	AS	36	36	>0.10	0	0.000	0.000	0.009	0.050
Malathion	ug/l	AS	36	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	49	>50.0	0	0.000	< 0.000	< 1.196	9.400
Mecoprop (MCP)	ug/l	AS	36	36	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	36	36	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.348	3.030
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.588	3.439	5.892
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	52	49	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	36	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	36	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	36	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.338	0.500
Simazine	ug/l	AS	36	36	>0.100	0	0.000	< 0.001	< 0.007	0.023
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	11.600	12.875	13.800
Sulphate	mg SO4/l	AS	36	34	>250	0	0.000	13.542	34.458	84.958
Taste	Diln No	S	52	49	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	36	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	36	36	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	36	36	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	36	36	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	144	139		0	0.000	0.060	0.282	0.600
Total Coliforms	No./100ml	S	144	138	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	36	36	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	36	34		0	0.000	1.420	3.587	5.390
Total Pesticides	ug/l	AS	36	36	>0.5000	0	0.000	< 0.050	< 0.051	0.086
Total Trihalomethanes	ug/l	S	24	26	>100.0	250	0.000	33.200	65.524	149.000
Trifluralin	ug/l	AS	36	36	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	36	36	>100.00	0	0.000	< 0.100	< 34.458	< 40.000
Turbidity	FTU	S	52	49	>4.00	0	0.000	< 0.090	< 0.356	1.520
op-DDT	ug/l	AS	36	36	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	36	36	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 56152

This zone has a surface water source :R3301

Water Supply Zone - Z318 - Oldpark
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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contra- vening PCV	% of samples contra- vening PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 15-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 03-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 13-SEP-2004 (Z318AE) Hydrogen Ion = 6.46 pH va.
 Sample failed 18-OCT-2004 (Z318AE) Lead = 29 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z319 - Purdysburn South
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	36	25	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	36	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	48	45	>200.0	400	0.000	< 0.000	<159.407	303.000
Ammonium	mg NH4/l	S	36	33	>0.50	0	0.000	< 0.000	< 0.011	0.045
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.364	0.700
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.200	0.588	0.900
Asulam	ug/l	AS	36	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	36	25	>1.00	0	0.000	< 0.050	< 0.050	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.300	< 0.400
Boron	ug B/l	AS	36	25	>1000.0	0	0.000	8.000	9.400	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.041	0.100
Chlorfenvinphos	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	36	25	>250.00	0	0.000	< 0.000	< 10.726	13.112
Chlorpropham	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.451	1.160
Clopyralid	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	573	365	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	36	33		0	0.000	0.000	0.242	2.000
Colony Counts 37 (48hrs)	No./1 ml	S	36	33		0	0.000	0.000	0.576	14.000
Colour	mg/l Pt/C	S	36	33	>20.00	0	0.000	< 0.000	< 7.750	17.430
Conductivity	uS/cm 20	AS	573	364	>2500	0	0.000	51.650	78.751	358.700
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	5.300	247.538	1551.50
Cyanide	ug CN/l	AS	36	25	>50	0	0.000	2.000	2.312	4.000
Cypermethrum	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	36	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	36	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	108	103	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	36	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	36	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	36	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	36	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	36	25	>1.500	0	0.000	< 0.000	<170.747	244.684
Flutriafol	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	108	103		0	0.000	0.020	0.126	0.800

Water Supply Zone - Z319 - Purdysburn South
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.002	0.006
Glyphosate	ug/l	AS	36	24	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	36	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	36	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	36	25	>0.10	0	0.000	0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	36	33	9.50	3	9.091	5.880	6.962	7.740
Iron	ug Fe/l	S	36	33	>20	3	9.091	< 0.000	< 94.506	276.400
Isoproturon	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.000	< 13.570	53.720
MCPA	ug/l	AS	36	25	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	33	>50.0	0	0.000	< 0.000	< 5.497	14.400
Mecoprop (MCP)	ug/l	AS	36	25	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	36	25	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.880	2.050
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	1.347	3.543	10.663
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	36	33	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	8	>0.10	0	0.000	0.000	< 0.002	< 0.003
Parathion	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.325	0.400
Simazine	ug/l	AS	36	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	5.200	8.525	13.600
Sulphate	mg SO4/l	AS	36	25	>250	0	0.000	1.895	5.827	28.374
Taste	Diln No	S	36	33	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	36	25	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	36	25	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	108	103	>0	0	0.000	0.040	0.509	30.150
Total Coliforms	No./100ml	S	108	103	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	36	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	36	25	>0.5000	0	0.000	1.260	3.163	4.690
Total Pesticides	ug/l	AS	36	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	24	24	>100.0	250	0.000	14.700	79.108	122.700
Trifluralin	ug/l	AS	36	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	36	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	36	33	>4.00	0	0.000	< 0.080	< 0.681	2.400
op-DDT	ug/l	AS	36	25	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	36	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 41300

This zone has a surface water source :R3302

Water Supply Zone - Z319 - Purdysburn South
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 02-JUL-2004 (Z319AE) Hydrogen Ion = 6.17 pH va.
 Sample failed 08-SEP-2004 (Z319AE) Hydrogen Ion = 6.00 pH va.
 Sample failed 06-SEP-2004 (Z319AE) Hydrogen Ion = 5.88 pH va.
 Sample failed 23-MAR-2004 (Z319AE) Iron = 243 ug Fe/.
 Sample failed 05-AUG-2004 (Z319AE) Iron = 219 ug Fe/.
 Sample failed 26-FEB-2004 (Z319AE) Iron = 276 ug Fe/.
 Sample failed 09-FEB-2004 (Z319AE) Lead = 54 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z320 - Stoneyford
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	12	12	>200.0	400	0.000	< 0.000	< 5.533	18.400
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.010	0.024
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.318	0.500
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.400	0.800	1.100
Asulam	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	8	7	>0.10	0	0.000	0.003	0.006	0.010
Azinphos methyl	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	8	7	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.250	< 0.400
Boron	ug B/l	AS	8	7	>1000.0	0	0.000	10.000	17.714	26.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	< 0.009	< 0.012
Chlorfenvinphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	8	8	>250.00	0	0.000	18.212	23.318	28.271
Chlorpropham	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>5.0	0	0.000	< 0.120	< 0.508	0.810
Clopyralid	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	104	104	>0	1	0.962	0.000	0.019	2.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	16.250	63.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	5.000	19.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	1.080	6.990	12.400
Conductivity	uS/cm 20	AS	104	103	>2500	0	0.000	204.000	231.048	326.100
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	12.300	77.200	246.300
Cyanide	ug CN/l	AS	8	7	>5.0	0	0.000	< 2.100	< 2.900	4.000
Cypermethrum	ug/l	AS	8	7	>0.10	0	0.000	< 0.011	< 0.011	< 0.013
Diazinon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	8	7	>0.10	0	0.000	< 0.010	< 0.087	< 0.100
Dichlorvos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	8	7	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	7	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	8	7	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	8	8	>1.500	0	0.000	< 6.963	< 29.189	91.831
Flutriafol	ug/l	AS	8	7	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.060	0.162	0.400

Water Supply Zone - Z320 - Stoneyford
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	8	6	>0.10	0	0.000	< 0.020	< 0.023	0.040
Heptachlor	ug/l	AS	8	7	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	8	7	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.550	7.650	7.760
Iron	ug Fe/l	S	4	4	>20	0	0.000	< 5.100	< 11.925	21.200
Isoproturon	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	4	>25.0	0	0.000	< 0.000	< 1.225	3.690
MCPA	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.003	< 0.003
Malathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 0.000	< 0.900	1.900
Mecoprop (MCP)	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.004
Mercury	ug Hg/l	AS	8	7	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 1.290	1.890
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.271	2.971	4.496
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.002	< 0.003
Parathion	ug/l	AS	8	7	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	8	7	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	8	7	>0.100	0	0.000	0.013	0.015	0.021
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	13.000	14.225	15.900
Sulphate	mg SO4/l	AS	8	8	>250	0	0.000	10.361	13.047	17.835
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	8	7	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	8	7	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	8	7	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	8	7	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg Cl/l	S	12	12	>0	0	0.000	0.150	0.267	0.600
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	8	7	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	8	8	>0.5000	0	0.000	5.220	6.596	8.760
Total Pesticides	ug/l	AS	8	7	>0.5000	0	0.000	< 0.050	< 0.052	0.064
Total Trihalomethanes	ug/l	S	12	12	>100.0	250	0.000	73.300	90.367	126.800
Trifluralin	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	8	7	>100.00	0	0.000	< 0.100	< 34.300	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.130	0.473	1.010
op-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	8	7	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4259

This zone has a surface water source :R3315

Water Supply Zone - Z320 - Stoneyford
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 10-MAY-2004 (W3315OUT) Clostridium perfringens (sulph red) = 2 No./100.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z321 - Woodvale
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	24	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	88	88	>200.0	400	0.000	< 0.000	< 5.765	21.500
Ammonium	mg NH4/l	S	76	75	>0.50	0	0.000	< 0.000	< 0.017	0.054
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.464	1.400
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.300	0.813	1.300
Asulam	ug/l	AS	24	24	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	24	>0.10	0	0.000	0.005	0.009	0.019
Azinphos methyl	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	24	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 1.100	6.900
Boron	ug B/l	AS	24	24	>1000.0	0	0.000	< 9.000	< 17.375	22.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.041	0.100
Chlorfenvinphos	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	22	>250.00	0	0.000	21.960	23.692	33.398
Chlorpropham	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.230	0.600	1.520
Clopyralid	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens	No./100 ml	AS	365	361	>0	3	0.831	0.000	0.011	2.000
Colony Counts 22	No./1 ml	S	76	75		0	0.000	0.000	14.827	880.000
Colony Counts 37 (48hrs)	No./1 ml	S	76	75		0	0.000	0.000	6.480	305.000
Colour	mg/l Pt/C	S	76	75	>20.00	0	0.000	< 0.000	< 2.216	11.230
Conductivity	uS/cm 20	AS	365	360	>2500	0	0.000	< 7.420	<281.689	585.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	15.200	89.013	344.900
Cyanide	ug CN/l	AS	24	24	>50	0	0.000	2.000	2.308	3.000
Cypermethrum	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	24	>0.10	0	0.000	< 0.010	< 0.085	< 0.100
Dichlorvos	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	24	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	24	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	204	205	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	24	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	24	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	24	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	24	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	23	>1.500	0	0.000	< 0.000	< 55.413	505.081
Flutriafol	ug/l	AS	24	24	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	204	205		0	0.000	0.040	0.201	0.700

Water Supply Zone - Z321 - Woodvale
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	24	24	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	23	>0.10	0	0.000	< 0.020	< 0.021	0.050
Heptachlor	ug/l	AS	24	24	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	24	24	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	76	75	9.50	1	1.333	6.480	7.473	7.740
Iron	ug Fe/l	S	76	75	>200	0	0.000	< 0.000	< 14.049	58.800
Isoproturon	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	2	25.000	< 1.200	< 15.904	54.610
MCPA	ug/l	AS	24	24	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	76	75	>50.0	0	0.000	< 0.000	< 2.056	46.600
Mecoprop (MCPP)	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	0.010
Mercury	ug Hg/l	AS	24	24	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	0.960	1.479	2.370
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	2.087	3.269	5.610
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	76	75	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.005	0.030
Parathion	ug/l	AS	24	24	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	24	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	24	24	>0.100	0	0.000	0.002	0.009	0.023
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	11.900	12.850	13.500
Sulphate	mg SO4/l	AS	24	23	>250	0	0.000	13.542	14.859	16.395
Taste	Diln No	S	76	75	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	24	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	24	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	24	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	204	205		0	0.000	0.020	0.363	1.000
Total Coliforms	No./100ml	S	204	205	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	24	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	23		0	0.000	3.480	4.339	5.390
Total Pesticides	ug/l	AS	24	24	>0.5000	0	0.000	< 0.050	< 0.052	0.086
Total Trihalomethanes	ug/l	S	36	37	>100.0	250	0.000	38.800	71.281	158.800
Trifluralin	ug/l	AS	24	24	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	24	>100.00	0	0.000	< 0.100	< 35.013	< 40.000
Turbidity	FTU	S	76	75	>4.00	0	0.000	< 0.070	< 0.298	0.867
op-DDT	ug/l	AS	24	24	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	24	24	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 82040

This zone has a surface water source :R3301

Water Supply Zone - Z321 - Woodvale
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 15-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 2 No./100.
 Sample failed 03-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 19-MAR-2004 (W3301OUT) Clostridium perfringens (sulph red) = 1 No./100.
 Sample failed 13-SEP-2004 (Z321AE) Hydrogen Ion = 6.48 pH va.
 Sample failed 11-OCT-2004 (Z321AE) Lead = 32 ug Pb/l.
 Sample failed 06-SEP-2004 (Z321AE) Lead = 55 ug Pb/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z322 - Purdysburn North
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
								Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	36	25	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	36	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	33	>200.0	400	0.000	< 0.000	<153.800	260.000
Ammonium	mg NH4/l	S	24	23	>0.50	0	0.000	< 0.000	< 0.009	0.051
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.389	0.900
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.300	0.588	1.100
Asulam	ug/l	AS	36	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.001	0.001
Azinphos methyl	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	36	25	>1.00	0	0.000	< 0.050	< 0.050	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	0.100	0.525	1.700
Boron	ug B/l	AS	36	25	>1000.0	0	0.000	8.000	9.400	14.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.001	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.053	0.100
Chlorfenvinphos	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	36	25	>250.00	0	0.000	< 0.000	< 10.726	13.112
Chlorpropham	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.464	1.180
Clopyralid	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	573	365	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	23		0	0.000	0.000	3.870	48.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	23		0	0.000	0.000	0.783	14.000
Colour	mg/l Pt/C	S	24	23	>20.00	0	0.000	< 0.000	< 7.823	13.440
Conductivity	uS/cm 20	AS	573	364	>2500	0	0.000	51.650	78.751	358.700
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	8.800	45.300	179.800
Cyanide	ug CN/l	AS	36	25	>50	0	0.000	2.000	2.312	4.000
Cypermethrum	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.013
Diazinon	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	36	25	>0.10	0	0.000	< 0.010	< 0.089	< 0.100
Dichlorvos	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	36	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	36	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	36	34	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	36	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	36	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	36	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	36	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	36	25	>1.500	0	0.000	< 0.000	<170.747	244.684
Flutriafol	ug/l	AS	36	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	36	34		0	0.000	0.040	0.086	0.200

Water Supply Zone - Z322 - Purdysburn North
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.002	0.006
Glyphosate	ug/l	AS	36	24	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	36	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	36	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	36	25	>0.10	0	0.000	0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	24	23	9.50	1	4.348	6.430	7.103	7.730
Iron	ug Fe/l	S	24	22	>20	0	0.000	< 0.000	< 83.218	195.100
Isoproturon	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	8	>25.0	1	12.500	< 0.150	< 12.205	50.370
MCPA	ug/l	AS	36	25	>0.10	0	0.000	0.000	0.003	0.010
Malathion	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	22	>50.0	0	0.000	< 0.000	< 4.359	16.200
Mecoprop (MCP)	ug/l	AS	36	25	>0.10	0	0.000	0.000	< 0.003	< 0.004
Mercury	ug Hg/l	AS	36	25	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.996	2.040
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.219	4.864	16.097
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.000	< 0.000
Odour	Diln No	S	24	22	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	36	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	36	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.325	0.400
Simazine	ug/l	AS	36	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	5.200	8.625	14.000
Sulphate	mg SO4/l	AS	36	25	>250	0	0.000	1.895	5.827	28.374
Taste	Diln No	S	24	22	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	36	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	36	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	36	25	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	36	25	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	36	34	>0	0	0.000	0.080	0.166	0.500
Total Coliforms	No./100ml	S	36	34	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	36	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	36	25	>0.5000	0	0.000	1.260	3.163	4.690
Total Pesticides	ug/l	AS	36	25	>0.1000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	12	13	>100.0	250	0.000	19.500	77.569	123.500
Trifluralin	ug/l	AS	36	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	36	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	24	23	>4.00	0	0.000	< 0.080	< 0.576	1.560
op-DDT	ug/l	AS	36	25	>0.10	0	0.000	< 0.008	< 0.008	0.010
pp-DDT	ug/l	AS	36	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 12919

This zone has a surface water source :R3302

Water Supply Zone - Z322 - Purdysburn North
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 08-SEP-2004 (Z322AE) Hydrogen Ion = 6.43 pH va.
 Sample failed 10-MAY-2004 (Z322AE) Lead = 50 ug Pb/l.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z401 - Belleek
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	24	27	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	27	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 1.000	< 14.750	25.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	0.000	0.005	0.020
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.485	0.800
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.160	0.200
Asulam	ug/l	AS	24	27	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	27	>0.10	0	0.000	< 0.001	< 0.006	0.036
Azinphos methyl	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	27	>1.00	0	0.000	< 0.050	< 0.053	0.100
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.375	0.900
Boron	ug B/l	AS	24	27	>1000.0	0	0.000	8.000	12.000	18.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.025	0.100
Chlorfenvinphos	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	31	>250.00	0	0.000	17.174	21.141	26.077
Chlorpropham	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>5.0	0	0.000	< 0.120	< 0.543	1.140
Clopyralid	ug/l	AS	24	27	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens	No./100 ml	AS	216	224	>0	1	0.446	0.000	0.018	4.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.300	< 0.925	1.300
Conductivity	uS/cm 20	AS	216	224	>2500	0	0.000	122.000	348.728	464.000
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 0.000	< 3.400	9.500
Cyanide	ug CN/l	AS	24	27	>50	0	0.000	2.000	2.337	4.000
Cypermethrum	ug/l	AS	24	27	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	27	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	24	27	>0.10	0	0.000	< 0.010	< 0.093	< 0.100
Dichlorvos	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	27	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	27	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	27	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	27	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	3.750	15.000
Fenitrothion	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	27	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	27	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	31	>1.500	0	0.000	< 0.000	< 60.798	517.906
Flutriafol	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	0.100	0.344	0.750

Water Supply Zone - Z401 - Belleek
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	27	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	24	27	>0.030	0	0.000	0.000	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	24	27	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.600	7.750	8.000
Iron	ug Fe/l	S	4	4	>20	0	0.000	< 1.000	< 1.250	2.000
Isoproturon	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	3	>25.0	0	0.000	0.000	0.970	1.580
MCPA	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.012	0.040
Malathion	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Mecoprop (MCPP)	ug/l	AS	24	27	>0.10	0	0.000	0.000	0.005	0.010
Mercury	ug Hg/l	AS	24	27	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	1.200	1.325	1.470
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	2.714	3.175	3.562
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	0.000	0.017	0.057
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.003	0.010
Parathion	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	24	27	>0.100	0	0.000	< 0.001	< 0.004	0.009
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	23.700	29.200	33.500
Sulphate	mg SO4/l	AS	24	31	>250	0	0.000	47.165	78.567	131.878
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	27	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	24	27	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	27	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	12	12	>0	0	0.000	0.050	0.530	0.990
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	31	>0.5000	0	0.000	2.000	2.827	3.900
Total Pesticides	ug/l	AS	24	27	>0.100	0	0.000	< 0.050	< 0.052	0.090
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	23.100	45.725	56.400
Trifluralin	ug/l	AS	24	27	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	27	>100.00	0	0.000	< 0.100	< 37.044	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.030	0.103	0.150
op-DDT	ug/l	AS	24	27	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	27	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 3000

This zone has a surface water source :R4513

Water Supply Zone - Z401 - Belleek
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 06-JAN-2004 (W4701OUT) Clostridium perfringens (sulph red) = 4 No./100.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z402 - Brishey
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 8.000	< 34.500	67.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.005	0.020
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.393	0.500
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.140	0.200
Asulam	ug/l	AS	24	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	24	>1.00	0	0.000	< 0.050	< 0.052	0.100
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.250	< 0.400
Boron	ug B/l	AS	24	25	>1000.0	0	0.000	< 9.000	< 9.120	11.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	< 0.001	< 0.001	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	< 0.006	< 0.012
Chlorfenvinphos	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	30	>250.00	0	0.000	4.223	18.450	29.007
Chlorpropham	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	2.580	2.868	3.120
Clopyralid	ug/l	AS	24	25	>0.10	0	0.000	< 0.014	< 0.015	0.040
Clostridium perfringens	No./100 ml	AS	140	141	>0	4	2.837	0.000	0.270	16.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	1.250	5.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.600	< 1.425	3.000
Conductivity	uS/cm 20	AS	140	141	>2500	0	0.000	34.000	208.014	470.000
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 2.200	< 7.750	18.900
Cyanide	ug CN/l	AS	24	25	>50	0	0.000	2.000	2.128	3.000
Cypermethrum	ug/l	AS	24	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.015
Diazinon	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	25	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	30	>1.500	0	0.000	< 0.000	< 77.926	497.783
Flutriafol	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	0.010	0.069	0.240

Water Supply Zone - Z402 - Brishey
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	24	25	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.400	7.685	8.100
Iron	ug Fe/l	S	4	4	>20	0	0.000	< 1.000	< 26.250	56.000
Isoproturon	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	3	>25.0	0	0.000	0.000	1.267	3.800
MCPA	ug/l	AS	24	25	>0.10	0	0.000	0.000	0.004	0.010
Malathion	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.750	3.000
Mecoprop (MCP)	ug/l	AS	24	25	>0.10	0	0.000	0.000	< 0.003	< 0.003
Mercury	ug Hg/l	AS	24	25	>1.0	0	0.000	< 0.046	< 0.048	0.100
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 0.673	1.190
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.750	2.592	4.103
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.003	< 0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	4	4	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Parathion	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Propetamphos	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	24	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	6.900	7.625	8.100
Sulphate	mg SO4/l	AS	24	30	>250	0	0.000	3.695	16.842	51.834
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	24	24	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.100	< 0.104	0.200
Total - Residual disinfe mg Cl/l	mg/l	S	12	12	>0	0	0.000	0.040	0.130	0.320
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	31	>0.5000	0	0.000	< 0.000	< 1.644	10.990
Total Pesticides	ug/l	AS	24	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	4	>100.0	0	0.000	5.600	7.700	10.600
Trifluralin	ug/l	AS	24	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	0.040	0.180	0.380
op-DDT	ug/l	AS	24	25	>0.10	0	0.000	< 0.008	< 0.008	0.020
pp-DDT	ug/l	AS	24	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 3000

This zone has a surface water source :R4306

Water Supply Zone - Z402 - Brishey
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 02-FEB-2004 (W4324OUT) Clostridium perfringens (sulph red) = 14 No./100.
 Sample failed 02-FEB-2004 (W4326OUT) Clostridium perfringens (sulph red) = 5 No./100.
 Sample failed 04-OCT-2004 (W4326OUT) Clostridium perfringens (sulph red) = 16 No./100.
 Sample failed 01-MAR-2004 (W4326OUT) Clostridium perfringens (sulph red) = 3 No./100.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z403 - Carmoney
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven- ing PCV	% of samples contraven- ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	16	19	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	16	19	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	52	52	>200.0	0	0.000	< 4.000	< 39.038	153.000
Ammonium	mg NH4/l	S	52	52	>0.50	0	0.000	< 0.000	< 0.014	0.088
Antimony	ug Sb/l	S	8	10	>5.0	0	0.000	< 0.170	< 0.428	0.800
Arsenic	ug As/l	S	8	10	>10.0	0	0.000	< 0.120	< 0.240	0.600
Asulam	ug/l	AS	16	19	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	16	19	>0.10	0	0.000	< 0.001	< 0.001	0.003
Azinphos methyl	ug/l	AS	16	19	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	16	19	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	16	19	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	10	>10.0	0	0.000	< 0.100	< 0.320	0.800
Boron	ug B/l	AS	16	19	>1000.0	0	0.000	< 9.000	< 9.789	11.000
Bromate	ug/l	S	8	10	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	10	>5.0	0	0.000	0.000	0.015	0.100
Chlorfenvinphos	ug/l	AS	16	19	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	16	20	>250.00	0	0.000	12.244	25.215	30.695
Chlorpropham	ug/l	AS	16	19	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	16	19	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	10	>50	0	0.000	0.300	0.574	1.030
Clopyralid	ug/l	AS	16	19	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	260	265	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	52	52		0	0.000	0.000	1.808	46.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	52		0	0.000	0.000	0.827	25.000
Colour	mg/l Pt/C	S	52	52	>20.00	0	0.000	< 0.100	< 1.870	18.800
Conductivity	uS/cm 20	AS	260	266	>2500	0	0.000	34.000	234.395	555.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.000	< 3.289	15.900
Cyanide	ug CN/l	AS	16	19	>50	0	0.000	2.000	2.195	4.000
Cypermethrum	ug/l	AS	16	19	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	16	19	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	16	19	>0.10	0	0.000	< 0.004	< 0.005	< 0.010
Dichlorbenil	ug/l	AS	16	19	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	16	19	>0.10	0	0.000	< 0.010	< 0.086	< 0.100
Dichlorvos	ug/l	AS	16	19	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	16	19	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	16	19	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	16	19	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	144	144	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	16	19	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	16	19	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	16	19	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	16	19	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	16	19	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	19	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	16	19	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	16	20	>1.500	0	0.000	< 0.000	< 64.313	497.256
Flutriafol	ug/l	AS	16	19	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	144	144		0	0.000	0.010	0.264	13.000

Water Supply Zone - Z403 - Carmoney
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	16	19	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	16	18	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	16	19	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	16	19	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	16	19	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	52	52	9.50	0	0.000	6.600	7.633	8.290
Iron	ug Fe/l	S	52	52	>20	0	0.000	< 1.000	< 11.846	77.000
Isoproturon	ug/l	AS	16	19	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	6	>25.0	0	0.000	0.000	0.850	2.850
MCPA	ug/l	AS	16	19	>0.10	0	0.000	< 0.003	< 0.010	0.050
Malathion	ug/l	AS	16	19	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	>50.0	0	0.000	< 1.000	< 4.096	33.000
Mecoprop (MCP)	ug/l	AS	16	19	>0.10	0	0.000	0.000	0.004	0.010
Mercury	ug Hg/l	AS	16	19	>1.0	0	0.000	< 0.046	< 0.049	0.100
Nickel	ug Ni/l	S	8	10	>20.00	0	0.000	< 0.500	< 0.922	1.670
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	4.138	5.917	9.769
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.009	0.061
Odour	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	8	10	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	16	19	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	16	19	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	16	19	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	10	>10.0	0	0.000	< 0.300	< 0.310	0.400
Simazine	ug/l	AS	16	19	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	11.900	15.500	19.300
Sulphate	mg SO4/l	AS	16	20	>250	0	0.000	29.168	44.221	70.553
Taste	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	16	19	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	16	19	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	16	19	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	16	19	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l	mg/l	S	144	144		0	0.000	0.070	0.265	1.460
Total Coliforms	No./100ml	S	144	144	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	16	18	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	16	19		0	0.000	1.480	2.238	3.340
Total Pesticides	ug/l	AS	16	19	>0.5000	0	0.000	< 0.050	< 0.050	0.054
Total Trihalomethanes	ug/l	S	24	26	>100.0	150	0.000	24.600	61.512	86.000
Trifluralin	ug/l	AS	16	19	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	16	18	>100.00	0	0.000	< 0.100	< 33.350	< 40.000
Turbidity	FTU	S	52	52	>4.00	0	0.000	< 0.000	< 0.123	0.850
op-DDT	ug/l	AS	16	19	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	16	19	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 55650

This zone has a surface water source :R4301

Water Supply Zone - Z403 - Carmoney
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z404 - Derg
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	28	29	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	28	29	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	24	24	>200.0	3	12.500	< 7.000	< 54.333	267.000
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.201	0.396
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.385	0.800
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.173	0.300
Asulam	ug/l	AS	28	29	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	28	29	>0.10	0	0.000	< 0.001	< 0.002	0.030
Azinphos methyl	ug/l	AS	28	29	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	28	29	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	28	29	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.350	0.700
Boron	ug B/l	AS	28	29	>1000.0	0	0.000	7.000	9.000	12.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.019	0.100
Chlorfenvinphos	ug/l	AS	28	29	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	28	34	>250.00	0	0.000	10.257	19.070	29.007
Chlorpropham	ug/l	AS	28	29	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	28	29	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.240	0.678	1.240
Clopyralid	ug/l	AS	28	29	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	212	212	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	6.667	147.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	0.125	2.000
Colour	mg/l Pt/C	S	24	24	>20.00	0	0.000	< 0.100	< 2.904	14.400
Conductivity	uS/cm 20	AS	212	212	>2500	0	0.000	34.000	179.358	577.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.000	< 4.433	11.600
Cyanide	ug CN/l	AS	28	29	>50	0	0.000	2.000	2.393	7.000
Cypermethrum	ug/l	AS	28	29	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	28	29	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	28	29	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	28	29	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	28	29	>0.10	0	0.000	< 0.010	< 0.094	< 0.100
Dichlorvos	ug/l	AS	28	29	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	28	29	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	28	29	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	28	29	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	28	29	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	28	29	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	28	29	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	28	29	>0.10	0	0.000	< 0.005	< 0.005	0.010
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	28	29	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	28	29	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	28	29	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	28	34	>1.500	0	0.000	< 0.000	< 60.786	496.672
Flutriafol	ug/l	AS	28	29	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	72	72		0	0.000	0.030	0.198	1.510

Water Supply Zone - Z404 - Derg
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	28	29	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	28	29	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	28	29	>0.030	0	0.000	< 0.004	< 0.005	< 0.010
Heptachlor epoxide	ug/l	AS	28	29	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	28	29	>0.10	0	0.000	< 0.002	< 0.002	< 0.003
Hydrogen Ion	pH value	S	24	24	9.50	3	12.500	7.380	8.008	9.690
Iron	ug Fe/l	S	24	24	>20	0	0.000	< 1.000	< 17.917	53.000
Isoproturon	ug/l	AS	28	29	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	6	>25.0	0	0.000	0.000	0.642	1.610
MCPA	ug/l	AS	28	29	>0.10	0	0.000	0.000	0.012	0.060
Malathion	ug/l	AS	28	29	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	>50.0	0	0.000	< 1.000	< 2.167	8.000
Mecoprop (MCP)	ug/l	AS	28	29	>0.10	0	0.000	0.000	0.005	0.030
Mercury	ug Hg/l	AS	28	29	>1.0	0	0.000	< 0.046	< 0.048	0.100
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.645	1.280
Nitrate	mg NO3/l	S	24	24	>50.00	0	0.000	0.303	5.368	11.450
Nitrite	mg NO2/l	S	24	24	>0.500	0	0.000	< 0.000	< 0.015	0.280
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	28	29	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	28	29	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	28	29	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	0.300	0.300	0.300
Simazine	ug/l	AS	28	29	>0.100	0	0.000	< 0.001	< 0.001	0.008
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	9.900	11.856	13.700
Sulphate	mg SO4/l	AS	28	34	>250	0	0.000	2.694	32.859	59.729
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	28	29	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	28	29	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	28	29	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	28	29	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	72	72		0	0.000	0.080	0.773	1.670
Total Coliforms	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	28	29	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	28	35		0	0.000	0.110	2.028	9.550
Total Pesticides	ug/l	AS	28	29	>0.5000	0	0.000	< 0.050	< 0.054	0.123
Total Trihalomethanes	ug/l	S	8	9	>100.0	0	0.000	12.100	21.389	36.500
Trifluralin	ug/l	AS	28	29	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	28	29	>100.00	0	0.000	< 0.100	< 34.497	< 40.000
Turbidity	FTU	S	24	24	>4.00	0	0.000	< 0.000	< 0.126	0.660
op-DDT	ug/l	AS	28	29	>0.10	0	0.000	< 0.008	< 0.015	< 0.089
pp-DDT	ug/l	AS	28	29	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 26620

This zone has a surface water source :R4306

Water Supply Zone - Z404 - Derg
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 31-AUG-2004 (Z404AE) Aluminium = 243 ug Al/.
 Sample failed 02-SEP-2004 (Z404AE) Aluminium = 267 ug Al/.
 Sample failed 24-AUG-2004 (Z404AE) Aluminium = 254 ug Al/.
 Sample failed 31-AUG-2004 (Z404AE) Hydrogen Ion = 9.63 pH va.
 Sample failed 02-SEP-2004 (Z404AE) Hydrogen Ion = 9.69 pH va.
 Sample failed 24-AUG-2004 (Z404AE) Hydrogen Ion = 9.68 pH va.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z405 - Glenhordial
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	20	20	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	20	20	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	36	>200.0	0	0.000	< 4.000	< 28.000	67.000
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.013	0.070
Antimony	ug Sb/l	S	8	10	>5.0	0	0.000	< 0.170	< 0.541	1.400
Arsenic	ug As/l	S	8	10	>10.0	0	0.000	< 0.120	< 0.322	0.700
Asulam	ug/l	AS	20	20	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	20	20	>0.10	0	0.000	< 0.001	< 0.003	0.030
Azinphos methyl	ug/l	AS	20	20	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	20	20	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	20	20	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	8	10	>10.0	0	0.000	< 0.100	< 0.280	< 0.400
Boron	ug B/l	AS	20	20	>1000.0	0	0.000	< 7.000	< 9.050	12.000
Bromate	ug/l	S	8	10	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	10	>5.0	0	0.000	0.000	0.025	0.100
Chlorfenvinphos	ug/l	AS	20	20	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	20	24	>250.00	0	0.000	10.257	16.510	22.055
Chlorpropham	ug/l	AS	20	20	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	20	20	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	10	>5.0	0	0.000	< 0.120	< 0.565	1.170
Clopyralid	ug/l	AS	20	20	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	80	77	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	3.292	64.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	21.417	504.000
Colour	mg/l Pt/C	S	24	24	>20.00	0	0.000	< 0.010	< 2.009	7.300
Conductivity	uS/cm 20	AS	80	79	>2500	0	0.000	78.000	147.266	304.000
Copper	ug Cu/l	S	8	10	>2.000	0	0.000	< 0.600	< 5.220	15.100
Cyanide	ug CN/l	AS	20	20	>50	0	0.000	2.000	2.235	5.000
Cypermethrum	ug/l	AS	20	20	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	20	20	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	20	20	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	20	20	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	20	20	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	20	20	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	20	20	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	20	20	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	20	20	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	36	36	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	20	20	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	20	20	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	20	20	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	20	20	>0.10	0	0.000	< 0.005	< 0.006	0.010
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	20	20	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	20	20	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	20	20	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	20	24	>1.500	0	0.000	< 0.000	< 33.502	495.905
Flutriafol	ug/l	AS	20	20	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	36	36		0	0.000	0.100	0.411	1.540

Water Supply Zone - Z405 - Glenhordial
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	20	20	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	20	20	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	20	20	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	20	20	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	20	20	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	7.080	7.574	8.200
Iron	ug Fe/l	S	24	24	>20	0	0.000	< 1.000	< 13.325	47.000
Isoproturon	ug/l	AS	20	20	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	6	>25.0	0	0.000	0.000	0.655	1.730
MCPA	ug/l	AS	20	20	>0.10	0	0.000	0.000	0.013	0.060
Malathion	ug/l	AS	20	20	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	>50.0	0	0.000	< 1.000	< 5.454	38.000
Mecoprop (MCP)	ug/l	AS	20	20	>0.10	0	0.000	0.000	0.004	0.020
Mercury	ug Hg/l	AS	20	20	>1.0	0	0.000	< 0.046	< 0.054	0.200
Nickel	ug Ni/l	S	8	10	>20.00	0	0.000	< 0.500	< 0.794	1.880
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.365	0.881	1.427
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.003	< 0.010
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	10	>0.10	0	0.000	< 0.001	< 0.001	< 0.003
Parathion	ug/l	AS	20	20	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	20	20	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	20	20	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	10	>10.0	0	0.000	< 0.300	< 0.310	0.400
Simazine	ug/l	AS	20	20	>0.100	0	0.000	< 0.001	< 0.002	0.008
Sodium	mg Na/l	S	8	10	>200.00	0	0.000	8.200	10.520	17.400
Sulphate	mg SO4/l	AS	20	24	>250	0	0.000	2.694	24.734	40.053
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	20	20	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	20	20	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	20	20	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	20	20	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	36	36		0	0.000	0.180	0.533	1.840
Total Coliforms	No./100ml	S	36	36	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	20	20	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	20	24		0	0.000	0.110	1.936	6.470
Total Pesticides	ug/l	AS	20	20	>0.5000	0	0.000	< 0.050	< 0.056	0.123
Total Trihalomethanes	ug/l	S	12	13	>100.0	150	0.000	9.800	41.338	88.400
Trifluralin	ug/l	AS	20	20	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	20	20	>100.00	0	0.000	< 0.100	< 34.015	< 40.000
Turbidity	FTU	S	24	24	>4.00	0	0.000	< 0.010	< 0.113	0.770
op-DDT	ug/l	AS	20	20	>0.10	0	0.000	< 0.008	< 0.017	< 0.089
pp-DDT	ug/l	AS	20	20	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 13300

This zone has a surface water source :R4523

Water Supply Zone - Z405 - Glenhordial
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z406 - Killea
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	24	21	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	21	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	< 1.000	< 15.000	41.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.003	0.010
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.468	0.900
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.205	0.300
Asulam	ug/l	AS	24	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	21	>0.10	0	0.000	< 0.001	< 0.001	0.003
Azinphos methyl	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	21	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	0.200	0.975	2.900
Boron	ug B/l	AS	24	21	>1000.0	0	0.000	< 9.000	< 9.762	11.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	0.000	0.000	0.000
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	0.100	0.300
Chlorfenvinphos	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	23	>250.00	0	0.000	12.244	25.524	30.695
Chlorpropham	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.140	0.688	1.270
Clopyralid	ug/l	AS	24	21	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	272	268	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.500	< 2.100	3.100
Conductivity	uS/cm 20	AS	272	270	>2500	0	0.000	34.000	233.337	555.000
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 0.000	< 2.150	5.500
Cyanide	ug CN/l	AS	24	21	>50	0	0.000	2.000	2.186	4.000
Cypermethrum	ug/l	AS	24	21	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	21	>0.10	0	0.000	< 0.010	< 0.087	< 0.100
Dichlorvos	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	21	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	21	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	21	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	21	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	21	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	23	>1.500	0	0.000	< 0.000	< 62.843	497.256
Flutriafol	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.010	0.045	0.190

Water Supply Zone - Z406 - Killea
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	24	21	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	20	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	24	21	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	24	21	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.170	7.370	7.500
Iron	ug Fe/l	S	4	4	>20	0	0.000	< 1.000	< 15.250	35.000
Isoproturon	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	3	>25.0	0	0.000	0.000	0.807	1.510
MCPA	ug/l	AS	24	21	>0.10	0	0.000	0.000	0.009	0.050
Malathion	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.750	3.000
Mecoprop (MCP)	ug/l	AS	24	21	>0.10	0	0.000	0.000	0.004	0.010
Mercury	ug Hg/l	AS	24	21	>1.0	0	0.000	< 0.046	< 0.049	0.100
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	0.830	1.190	1.720
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.470	3.130	5.717
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.003	0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	< 0.001	< 0.006	0.020
Parathion	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	24	21	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	13.200	14.850	15.900
Sulphate	mg SO4/l	AS	24	23	>250	0	0.000	9.224	39.752	70.553
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	21	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	21	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	21	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	12		0	0.000	0.020	0.083	0.220
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	20	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	22		0	0.000	1.480	2.382	3.610
Total Pesticides	ug/l	AS	24	21	>0.5000	0	0.000	< 0.050	< 0.050	0.054
Total Trihalomethanes	ug/l	S	12	11	>100.0	150	0.000	28.800	54.809	95.500
Trifluralin	ug/l	AS	24	21	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	20	>100.00	0	0.000	< 0.100	< 30.025	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.060	< 1.550	2.930
op-DDT	ug/l	AS	24	21	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	21	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 1000

This zone has a surface water source :R4301

Water Supply Zone - Z406 - Killea
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z407 - Killyhevlin
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	24	27	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	27	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	52	52	>200.0	0	0.000	< 5.000	< 29.788	134.000
Ammonium	mg NH4/l	S	52	51	>0.50	0	0.000	< 0.000	< 0.034	0.454
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.280	0.500
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.399	0.700
Asulam	ug/l	AS	24	27	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	27	>0.10	0	0.000	< 0.001	< 0.006	0.036
Azinphos methyl	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	27	>1.00	0	0.000	< 0.050	< 0.053	0.100
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.338	< 0.400
Boron	ug B/l	AS	24	27	>1000.0	0	0.000	8.000	12.000	18.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	0.003	0.010
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	< 0.005	< 0.012
Chlorfenvinphos	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	31	>250.00	0	0.000	17.174	21.141	26.077
Chlorpropham	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.350	0.718	1.360
Clopyralid	ug/l	AS	24	27	>0.10	0	0.000	< 0.010	< 0.013	0.020
Clostridium perfringens	No./100 ml	AS	216	224	>0	1	0.446	0.000	0.018	4.000
Colony Counts 22	No./1 ml	S	52	53		0	0.000	0.000	> 9.057	>300.000
Colony Counts 37 (48hrs)	No./1 ml	S	52	53		0	0.000	0.000	14.623	580.000
Colour	mg/l Pt/C	S	52	52	>20.00	0	0.000	< 0.000	< 1.512	8.000
Conductivity	uS/cm 20	AS	216	224	>2500	0	0.000	122.000	348.728	464.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.500	< 6.333	25.800
Cyanide	ug CN/l	AS	24	27	>50	0	0.000	2.000	2.337	4.000
Cypermethrum	ug/l	AS	24	27	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	27	>0.10	0	0.000	0.000	< 0.001	< 0.002
Dichlorophen	ug/l	AS	24	27	>0.10	0	0.000	< 0.010	< 0.093	< 0.100
Dichlorvos	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	27	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	27	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	156	156	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	27	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	27	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	9		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	27	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	27	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	31	>1.500	0	0.000	< 0.000	< 60.798	517.906
Flutriafol	ug/l	AS	24	27	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	156	156		0	0.000	0.010	0.088	0.530

Water Supply Zone - Z407 - Killyhevlin
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	27	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	26	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	24	27	>0.030	0	0.000	0.000	< 0.004	< 0.004
Heptachlor epoxide	ug/l	AS	24	27	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Hydrogen Ion	pH value	S	52	52	9.50	0	0.000	7.090	7.513	8.100
Iron	ug Fe/l	S	52	52	>200	0	0.000	< 1.000	< 21.479	156.000
Isoproturon	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	6	>25.0	0	0.000	0.000	1.127	6.160
MCPA	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.012	0.040
Malathion	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	>50.0	1	1.923	1.000	6.058	60.000
Mecoprop (MCP)	ug/l	AS	24	27	>0.10	0	0.000	0.000	0.005	0.010
Mercury	ug Hg/l	AS	24	27	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.373	3.010
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	< 0.011	< 1.598	4.200
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.001	< 0.010
Odour	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.003
Parathion	ug/l	AS	24	27	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	27	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	24	27	>0.100	0	0.000	< 0.001	< 0.004	0.009
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	11.700	14.078	16.600
Sulphate	mg SO4/l	AS	24	31	>250	0	0.000	47.165	78.567	131.878
Taste	Diln No	S	52	52	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	27	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	27	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	27	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	27	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	156	156		0	0.000	0.030	0.193	1.700
Total Coliforms	No./100ml	S	156	156	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	26	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	31		0	0.000	2.000	2.827	3.900
Total Pesticides	ug/l	AS	24	27	>0.5000	0	0.000	< 0.050	< 0.052	0.090
Total Trihalomethanes	ug/l	S	8	10	>100.0	0	0.000	22.300	45.800	79.500
Trifluralin	ug/l	AS	24	27	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	27	>100.00	0	0.000	< 0.100	< 37.044	< 40.000
Turbidity	FTU	S	52	52	>4.00	0	0.000	< 0.000	< 0.217	1.540
op-DDT	ug/l	AS	24	27	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	27	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 60600

This zone has a surface water source :R4513

Water Supply Zone - Z407 - Killyhevlin
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 06-JAN-2004 (W4701OUT) Clostridium perfringens (sulph red) = 4 No./100.
 Sample failed 05-OCT-2004 (Z407AE) Manganese = 60 ug Mn/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z408 - Lenamore Springs
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	20	21	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	20	21	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	12	12	>200.0	0	0.000	< 1.000	< 14.583	36.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.067	0.249
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.510	1.000
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	0.100	0.155	0.300
Asulam	ug/l	AS	20	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	20	21	>0.10	0	0.000	< 0.001	< 0.002	0.030
Azinphos methyl	ug/l	AS	20	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	20	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	20	21	>1.00	0	0.000	< 0.050	< 0.050	< 0.050
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.275	0.500
Boron	ug B/l	AS	20	21	>1000.0	0	0.000	7.000	8.952	12.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	< 0.012	< 0.103	0.200
Chlorfenvinphos	ug/l	AS	20	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	20	25	>250.00	0	0.000	10.257	17.384	22.444
Chlorpropham	ug/l	AS	20	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	20	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>5.0	0	0.000	< 0.120	< 0.795	1.290
Clopyralid	ug/l	AS	20	21	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	108	108	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	0.250	1.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	< 0.100	< 1.300	2.800
Conductivity	uS/cm 20	AS	108	108	>2500	0	0.000	78.000	176.759	577.000
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 2.800	< 9.625	16.800
Cyanide	ug CN/l	AS	20	21	>50	0	0.000	2.000	2.510	7.000
Cypermethrum	ug/l	AS	20	21	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	20	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	20	21	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	20	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	20	21	>0.10	0	0.000	< 0.010	< 0.091	< 0.100
Dichlorvos	ug/l	AS	20	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	20	21	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	20	21	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	20	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	20	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	20	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	20	21	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	20	21	>0.10	0	0.000	< 0.005	< 0.006	0.010
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	20	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	20	21	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	20	21	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	20	25	>1.500	0	0.000	< 0.000	< 58.533	496.672
Flutriafol	ug/l	AS	20	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	12	12		0	0.000	0.100	0.471	1.040

Water Supply Zone - Z408 - Lenamore Springs
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	20	21	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	20	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	20	21	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	20	21	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	20	21	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	6.700	7.263	7.900
Iron	ug Fe/l	S	4	4	>20	0	0.000	< 1.000	< 14.500	25.000
Isoproturon	ug/l	AS	20	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	3	>25.0	0	0.000	0.000	1.140	2.070
MCPA	ug/l	AS	20	21	>0.10	0	0.000	0.000	0.015	0.060
Malathion	ug/l	AS	20	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 1.000	< 1.000
Mecoprop (MCP)	ug/l	AS	20	21	>0.10	0	0.000	0.000	0.006	0.030
Mercury	ug Hg/l	AS	20	21	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	0.700	1.175	1.800
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	1.501	2.115	3.886
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.003	< 0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	20	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	20	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	20	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	20	21	>0.100	0	0.000	< 0.001	< 0.002	0.008
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	7.600	11.350	18.100
Sulphate	mg SO4/l	AS	20	25	>250	0	0.000	2.694	29.931	59.729
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	20	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	20	21	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	20	21	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	20	21	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	12	12		0	0.000	0.120	0.493	0.780
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	20	21	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	20	26		0	0.000	0.110	2.004	9.550
Total Pesticides	ug/l	AS	20	21	>0.5000	0	0.000	< 0.050	< 0.055	0.123
Total Trihalomethanes	ug/l	S	12	12	>100.0	150	0.000	0.000	15.442	32.900
Trifluralin	ug/l	AS	20	21	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	20	21	>100.00	0	0.000	< 0.100	< 34.300	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.010	< 0.070	0.170
op-DDT	ug/l	AS	20	21	>0.10	0	0.000	< 0.008	< 0.017	< 0.089
pp-DDT	ug/l	AS	20	21	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 1700

This zone has a surface water source :R4501

Water Supply Zone - Z408 - Lenamore Springs
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z409 - Foyle
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	24	21	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	21	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	36	>200.0	0	0.000	< 1.000	< 50.694	134.000
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.006	0.039
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.466	0.900
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.250	0.700
Asulam	ug/l	AS	24	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	21	>0.10	0	0.000	< 0.001	< 0.001	0.003
Azinphos methyl	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	21	>1.00	0	0.000	< 0.050	< 0.051	< 0.060
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.788	3.300
Boron	ug B/l	AS	24	21	>1000.0	0	0.000	< 9.000	< 9.762	11.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	0.000	0.003
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.030	0.100
Chlorfenvinphos	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	23	>250.00	0	0.000	12.244	25.524	30.695
Chlorpropham	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>5.0	0	0.000	< 0.120	< 0.451	0.790
Clopyralid	ug/l	AS	24	21	>0.10	0	0.000	< 0.010	< 0.013	< 0.014
Clostridium perfringens	No./100 ml	AS	272	268	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	36	36		0	0.000	0.000	4.417	135.000
Colony Counts 37 (48hrs)	No./1 ml	S	36	36		0	0.000	0.000	0.194	4.000
Colour	mg/l Pt/C	S	36	36	>20.00	0	0.000	< 0.100	< 2.611	12.000
Conductivity	uS/cm 20	AS	272	270	>2500	0	0.000	34.000	233.337	555.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.000	< 3.888	13.200
Cyanide	ug CN/l	AS	24	21	>5.0	0	0.000	2.000	2.186	4.000
Cypermethrum	ug/l	AS	24	21	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	21	>0.10	0	0.000	< 0.010	< 0.087	< 0.100
Dichlorvos	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	21	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	21	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	21	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	21	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	21	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	21	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	23	>1.500	0	0.000	< 0.000	< 62.843	497.256
Flutriafol	ug/l	AS	24	21	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	84	84		0	0.000	0.010	0.099	0.700

Water Supply Zone - Z409 - Foyle
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
Gamma-HCH (Lindane)	ug/l	AS	24	21	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	20	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	24	21	>0.030	0	0.000	< 0.004	< 0.005	0.010
Heptachlor epoxide	ug/l	AS	24	21	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	36	36	9.50	0	0.000	6.800	7.306	7.900
Iron	ug Fe/l	S	36	36	>200	1	2.778	< 1.000	< 48.142	298.000
Isoproturon	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	0.000	0.301	1.180
MCPA	ug/l	AS	24	21	>0.10	0	0.000	0.000	0.009	0.050
Malathion	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	36	>50.0	0	0.000	< 1.000	< 5.639	14.000
Mecoprop (MCP)	ug/l	AS	24	21	>0.10	0	0.000	0.000	0.004	0.010
Mercury	ug Hg/l	AS	24	21	>1.0	0	0.000	< 0.046	< 0.049	0.100
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.920	1.650
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.281	1.839	5.819
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.003	< 0.010
Odour	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	24	21	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	24	21	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.313	0.400
Simazine	ug/l	AS	24	21	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	12.500	14.975	18.400
Sulphate	mg SO4/l	AS	24	23	>250	0	0.000	9.224	39.752	70.553
Taste	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	21	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	21	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	24	21	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	21	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	84	84		0	0.000	0.010	0.182	0.820
Total Coliforms	No./100ml	S	84	84	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	20	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	22		0	0.000	1.480	2.382	3.610
Total Pesticides	ug/l	AS	24	21	>0.5000	0	0.000	< 0.050	< 0.050	0.054
Total Trihalomethanes	ug/l	S	12	13	>100.0	150	0.000	37.700	61.085	86.500
Trifluralin	ug/l	AS	24	21	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	20	>100.00	0	0.000	< 0.100	< 30.025	< 40.000
Turbidity	FTU	S	36	36	>4.00	0	0.000	< 0.000	< 0.226	0.930
op-DDT	ug/l	AS	24	21	>0.10	0	0.000	< 0.008	< 0.009	0.020
pp-DDT	ug/l	AS	24	21	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 35000

This zone has a surface water source :R4301

Water Supply Zone - Z409 - Foyle
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Sample failed 23-FEB-2004 (Z409AE) Iron = 298 ug Fe/.

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z410 - Lough Braden
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1.2 Dichloroethane	ug/l	AS	40	44	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	40	44	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	36	>200.0	3	8.333	< 8.000	< 84.056	467.000
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.014	0.125
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.228	0.500
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	< 0.120	< 0.140	0.200
Asulam	ug/l	AS	40	44	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	40	44	>0.10	0	0.000	< 0.001	< 0.004	0.036
Azinphos methyl	ug/l	AS	40	44	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	40	44	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	40	44	>1.00	0	0.000	< 0.050	< 0.052	0.100
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.363	0.900
Boron	ug B/l	AS	40	44	>1000.0	0	0.000	7.000	10.750	18.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.028	0.100
Chlorfenvinphos	ug/l	AS	40	44	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	40	52	>250.00	0	0.000	10.257	19.636	26.077
Chlorpropham	ug/l	AS	40	44	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	40	44	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	< 0.120	< 0.494	1.410
Clopyralid	ug/l	AS	40	44	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 m	AS	320	328	>0	1	0.305	0.000	0.012	4.000
Colony Counts 22	No./1 ml	S	24	25		0	0.000	0.000	0.520	9.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	25		0	0.000	0.000	0.200	4.000
Colour	mg/l Pt/C	S	24	24	>20.00	0	0.000	< 0.100	< 3.442	14.900
Conductivity	uS/cm 20	AS	320	328	>2500	0	0.000	122.000	295.137	577.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.000	< 3.611	6.700
Cyanide	ug CN/l	AS	40	44	>50	0	0.000	2.000	2.441	7.000
Cypermethrum	ug/l	AS	40	44	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	40	44	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	40	44	>0.10	0	0.000	< 0.004	< 0.005	0.010
Dichlorbenil	ug/l	AS	40	44	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	40	44	>0.10	0	0.000	< 0.010	< 0.092	< 0.100
Dichlorvos	ug/l	AS	40	44	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	40	44	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	40	44	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	40	44	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	48	49	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	40	44	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	40	44	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	40	44	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	40	44	>0.10	0	0.000	< 0.005	< 0.005	0.010
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	40	44	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	40	44	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	40	44	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	40	52	>1.500	0	0.000	< 0.000	< 62.711	517.906
Flutriafol	ug/l	AS	40	44	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg Cl/l		S	48	48		0	0.000	0.010	0.094	1.010

Water Supply Zone - Z410 - Lough Braden
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	40	44	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	40	43	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	40	44	>0.030	0	0.000	0.000	0.004	0.010
Heptachlor epoxide	ug/l	AS	40	44	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	40	44	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	6.800	7.599	7.900
Iron	ug Fe/l	S	24	24	>200	0	0.000	< 1.000	< 40.667	103.000
Isoproturon	ug/l	AS	40	44	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	6	>25.0	0	0.000	0.000	0.695	1.500
MCPA	ug/l	AS	40	44	>0.10	0	0.000	0.000	0.013	0.060
Malathion	ug/l	AS	40	44	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	>50.0	1	4.167	< 1.000	< 13.250	244.000
Mecoprop (MCP)	ug/l	AS	40	44	>0.10	0	0.000	0.000	0.005	0.030
Mercury	ug Hg/l	AS	40	44	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 0.661	1.040
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	< 0.002	< 0.394	0.712
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.001	< 0.010
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	0.002	0.010
Parathion	ug/l	AS	40	44	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	40	44	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	40	44	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	40	44	>0.100	0	0.000	< 0.001	< 0.003	0.009
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	38.400	52.544	65.500
Sulphate	mg SO4/l	AS	40	52	>250	0	0.000	18.524	60.881	131.878
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	40	44	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	40	44	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	40	44	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	40	44	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	48	48		0	0.000	0.030	0.180	1.360
Total Coliforms	No./100ml	S	48	49	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	40	43	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	40	53		0	0.000	0.860	2.612	9.550
Total Pesticides	ug/l	AS	40	44	>0.5000	0	0.000	< 0.050	< 0.052	0.090
Total Trihalomethanes	ug/l	S	12	12	>100.0	150	0.000	13.400	78.650	130.800
Trifluralin	ug/l	AS	40	44	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	40	44	>100.00	0	0.000	< 0.100	< 36.373	< 40.000
Turbidity	FTU	S	24	24	>4.00	0	0.000	< 0.010	< 0.175	0.530
op-DDT	ug/l	AS	40	44	>0.10	0	0.000	< 0.008	< 0.011	< 0.089
pp-DDT	ug/l	AS	40	44	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 16700

This zone has a surface water source :R4501

Water Supply Zone - Z410 - Lough Braden
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 13-JAN-2004 (Z410AE) Aluminium = 256 ug Al/.
 Sample failed 08-JAN-2004 (Z410AE) Aluminium = 293 ug Al/.
 Sample failed 12-JAN-2004 (Z410AE) Aluminium = 467 ug Al/.
 Sample failed 06-JAN-2004 (W4701OUT) Clostridium perfringens (sulph red) = 4 No./100.
 Sample failed 23-FEB-2004 (Z410AE) Manganese = 244 ug Mn/.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z411 - Lough Macrory
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1.2 Dichloroethane	ug/l	AS	28	30	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	28	30	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	36	>200.0	0	0.000	< 1.000	< 35.861	78.000
Ammonium	mg NH4/l	S	24	24	>0.50	0	0.000	< 0.000	< 0.029	0.285
Antimony	ug Sb/l	S	8	9	>5.0	0	0.000	< 0.170	< 0.446	1.100
Arsenic	ug As/l	S	8	9	>10.0	0	0.000	< 0.120	< 0.298	0.800
Asulam	ug/l	AS	28	30	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	28	30	>0.10	0	0.000	< 0.001	< 0.002	0.030
Azinphos methyl	ug/l	AS	28	30	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	28	30	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	28	30	>1.00	0	0.000	< 0.050	< 0.052	0.100
Benzo 3 4 pyrene	ng/l	S	8	9	>10.0	0	0.000	< 0.100	< 0.444	1.600
Boron	ug B/l	AS	28	30	>1000.0	0	0.000	7.000	9.033	12.000
Bromate	ug/l	S	8	9	>10.00	0	0.000	0.000	0.001	0.010
Cadmium	ug Cd/l	S	8	9	>5.0	0	0.000	0.000	0.029	0.100
Chlorfenvinphos	ug/l	AS	28	30	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	28	36	>250.00	0	0.000	10.257	18.295	26.077
Chlorpropham	ug/l	AS	28	30	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	28	30	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	9	>5.0	0	0.000	< 0.120	< 0.552	1.130
Clopyralid	ug/l	AS	28	30	>0.10	0	0.000	< 0.010	< 0.014	0.030
Clostridium perfringens	No./100 ml	AS	144	152	>0	0	0.000	0.000	0.000	0.000
Colony Counts 22	No./1 ml	S	24	24		0	0.000	0.000	16.417	352.000
Colony Counts 37 (48hrs)	No./1 ml	S	24	24		0	0.000	0.000	49.375	1184.00
Colour	mg/l Pt/C	S	24	24	>20.00	0	0.000	< 0.100	< 2.238	5.800
Conductivity	uS/cm 20	AS	144	152	>2500	0	0.000	78.000	204.487	577.000
Copper	ug Cu/l	S	8	9	>2.000	0	0.000	< 0.000	< 2.589	12.800
Cyanide	ug CN/l	AS	28	30	>50	0	0.000	2.000	2.510	7.000
Cypermethrum	ug/l	AS	28	30	>0.10	0	0.000	< 0.010	< 0.011	< 0.012
Diazinon	ug/l	AS	28	30	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	28	30	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	28	30	>0.10	0	0.000	0.000	< 0.002	< 0.002
Dichlorophen	ug/l	AS	28	30	>0.10	0	0.000	< 0.010	< 0.094	< 0.100
Dichlorvos	ug/l	AS	28	30	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	28	30	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	28	30	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	28	30	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	28	30	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	28	30	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	28	30	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	28	30	>0.10	0	0.000	< 0.005	< 0.005	0.010
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	28	30	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	28	30	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	28	30	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	28	36	>1.500	0	0.000	< 0.000	< 46.444	496.672
Flutriafol	ug/l	AS	28	30	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	72	72		0	0.000	0.010	0.408	1.560

Water Supply Zone - Z411 - Lough Macrory
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	28	30	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	28	30	>0.10	0	0.000	< 0.020	< 0.020	0.030
Heptachlor	ug/l	AS	28	30	>0.030	0	0.000	0.000	0.004	0.010
Heptachlor epoxide	ug/l	AS	28	30	>0.030	0	0.000	< 0.007	< 0.007	< 0.007
Hexachlorobenzene	ug/l	AS	28	30	>0.10	0	0.000	< 0.002	< 0.002	0.003
Hydrogen Ion	pH value	S	24	24	9.50	0	0.000	7.050	7.634	8.300
Iron	ug Fe/l	S	24	24	>200	0	0.000	< 1.000	< 11.846	43.000
Isoproturon	ug/l	AS	28	30	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	6	>25.0	0	0.000	0.000	1.067	2.370
MCPA	ug/l	AS	28	30	>0.10	0	0.000	0.000	0.013	0.060
Malathion	ug/l	AS	28	30	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	>50.0	0	0.000	< 1.000	< 2.625	5.000
Mecoprop (MCP)	ug/l	AS	28	30	>0.10	0	0.000	0.000	0.005	0.030
Mercury	ug Hg/l	AS	28	30	>1.0	0	0.000	< 0.046	< 0.046	< 0.046
Nickel	ug Ni/l	S	8	9	>20.00	0	0.000	< 0.500	< 0.629	0.940
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	< 0.003	< 1.745	3.105
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.003	< 0.010
Odour	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	9	>0.10	0	0.000	< 0.001	< 0.002	0.010
Parathion	ug/l	AS	28	30	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	28	30	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	28	30	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	9	>10.0	0	0.000	< 0.300	< 0.311	0.400
Simazine	ug/l	AS	28	30	>0.100	0	0.000	< 0.001	< 0.001	0.008
Sodium	mg Na/l	S	8	9	>200.00	0	0.000	8.700	10.711	17.900
Sulphate	mg SO4/l	AS	28	36	>250	0	0.000	2.694	39.969	78.351
Taste	Diln No	S	24	24	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	28	30	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	28	30	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	28	30	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	28	30	>3.00	0	0.000	< 0.100	< 0.100	< 0.100
Total - Residual disinfe mg Cl/l		S	72	72		0	0.000	0.080	0.535	1.740
Total Coliforms	No./100ml	S	72	72	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	28	29	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	28	37		0	0.000	0.110	2.297	9.550
Total Pesticides	ug/l	AS	28	30	>0.5000	0	0.000	< 0.050	< 0.054	0.123
Total Trihalomethanes	ug/l	S	12	14	>100.0	150	0.000	23.300	51.850	101.600
Trifluralin	ug/l	AS	28	30	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	28	30	>100.00	0	0.000	< 0.100	< 36.010	< 40.000
Turbidity	FTU	S	24	24	>4.00	0	0.000	< 0.000	< 0.107	0.470
op-DDT	ug/l	AS	28	30	>0.10	0	0.000	< 0.008	< 0.015	< 0.089
pp-DDT	ug/l	AS	28	30	>0.10	0	0.000	< 0.006	< 0.006	0.010

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 28500

This zone has a surface water source :R4501

Water Supply Zone - Z411 - Lough Macrory
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:
 Water Quality was satisfactory

Notes:
 PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z412 - Stradreagh
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
1,2 Dichloroethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	24	25	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	4	4	>200.0	0	0.000	28.000	44.500	60.000
Ammonium	mg NH4/l	S	4	4	>0.50	0	0.000	< 0.000	< 0.008	0.030
Antimony	ug Sb/l	S	4	4	>5.0	0	0.000	< 0.170	< 0.410	0.700
Arsenic	ug As/l	S	4	4	>10.0	0	0.000	< 0.120	< 0.190	0.400
Asulam	ug/l	AS	24	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	24	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Azinphos methyl	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	24	24	>1.00	0	0.000	< 0.050	< 0.052	0.100
Benzo 3 4 pyrene	ng/l	S	4	4	>10.0	0	0.000	< 0.100	< 0.325	0.700
Boron	ug B/l	AS	24	25	>1000.0	0	0.000	< 9.000	< 9.120	11.000
Bromate	ug/l	S	4	4	>10.00	0	0.000	0.000	< 0.000	< 0.001
Cadmium	ug Cd/l	S	4	4	>5.0	0	0.000	0.000	< 0.009	< 0.012
Chlorfenvinphos	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	24	30	>250.00	0	0.000	4.223	18.450	29.007
Chlorpropham	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	4	4	>50	0	0.000	0.510	1.333	2.150
Clopyralid	ug/l	AS	24	25	>0.10	0	0.000	< 0.014	< 0.015	0.040
Clostridium perfringens	No./100 ml	AS	140	141	>0	4	2.837	0.000	0.270	16.000
Colony Counts 22	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)	No./1 ml	S	4	4		0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/C	S	4	4	>20.00	0	0.000	2.000	2.800	3.900
Conductivity	uS/cm 20	AS	140	141	>2500	0	0.000	34.000	208.014	470.000
Copper	ug Cu/l	S	4	4	>2.000	0	0.000	< 2.400	< 14.275	44.500
Cyanide	ug CN/l	AS	24	25	>50	0	0.000	2.000	2.128	3.000
Cypermethrum	ug/l	AS	24	25	>0.10	0	0.000	< 0.010	< 0.011	< 0.015
Diazinon	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	24	25	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	24	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Dichlorvos	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	24	25	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	24	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	24	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	24	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	4	4		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	24	25	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	24	25	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	24	30	>1.500	0	0.000	< 0.000	< 77.926	497.783
Flutriafol	ug/l	AS	24	25	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	12	12		0	0.000	0.040	0.116	0.280

Water Supply Zone - Z412 - Stradreagh
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	24	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	24	25	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	24	25	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	24	25	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	4	4	9.50	0	0.000	7.000	7.148	7.400
Iron	ug Fe/l	S	4	4	>200	1	25.000	< 1.000	< 88.500	293.000
Isoproturon	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	4	3	>25.0	0	0.000	0.000	0.473	1.420
MCPA	ug/l	AS	24	25	>0.10	0	0.000	0.000	0.004	0.010
Malathion	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	>50.0	0	0.000	< 1.000	< 4.750	10.000
Mecoprop (MCP)	ug/l	AS	24	25	>0.10	0	0.000	0.000	< 0.003	< 0.003
Mercury	ug Hg/l	AS	24	25	>1.0	0	0.000	< 0.046	< 0.048	0.100
Nickel	ug Ni/l	S	4	4	>20.00	0	0.000	< 0.500	< 0.565	0.760
Nitrate	mg NO3/l	S	4	4	>50.00	0	0.000	0.356	0.651	0.879
Nitrite	mg NO2/l	S	4	4	>0.500	0	0.000	< 0.000	< 0.003	< 0.010
Odour	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l	ug/l	S	4	4	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	24	25	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Propetamphos	ug/l	AS	24	25	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	4	4	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	24	25	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	4	4	>200.00	0	0.000	12.400	14.475	16.600
Sulphate	mg SO4/l	AS	24	30	>250	0	0.000	3.695	16.842	51.834
Taste	Diln No	S	4	4	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	24	25	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	24	25	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l	ug/l	AS	24	24	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	24	24	>3.00	0	0.000	< 0.100	< 0.104	0.200
Total - Residual disinfe mg Cl/l	mg/l	S	12	12	>0	0	0.000	0.090	0.195	0.380
Total Coliforms	No./100ml	S	12	12	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	24	25	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	24	31	>0.5000	0	0.000	< 0.000	< 1.644	10.990
Total Pesticides	ug/l	AS	24	25	>0.5000	0	0.000	< 0.050	< 0.050	< 0.050
Total Trihalomethanes	ug/l	S	4	4	>100.0	1	25.000	23.500	64.900	107.100
Trifluralin	ug/l	AS	24	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	24	25	>100.00	0	0.000	< 0.100	< 33.616	< 40.000
Turbidity	FTU	S	4	4	>4.00	0	0.000	< 0.060	< 0.203	0.510
op-DDT	ug/l	AS	24	25	>0.10	0	0.000	< 0.008	< 0.008	0.020
pp-DDT	ug/l	AS	24	25	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 4100

This zone has a surface water source :R4306

Water Supply Zone - Z412 - Stradreagh
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 02-FEB-2004 (W4324OUT) Clostridium perfringens (sulph red) = 14 No./100.
 Sample failed 02-FEB-2004 (W4326OUT) Clostridium perfringens (sulph red) = 5 No./100.
 Sample failed 04-OCT-2004 (W4326OUT) Clostridium perfringens (sulph red) = 16 No./100.
 Sample failed 01-MAR-2004 (W4326OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 10-MAY-2004 (Z412AE) Iron = 293 ug Fe/.
 Sample failed 26-JUL-2004 (Z412AE) Total Trihalomethanes = 107.1 ug/l.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point

Water Supply Zone - Z413 - Limavady
 Printed On 22-MAR-2005 : Water Service

: Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)			
							Relaxed	Min.	Mean	Max.
1,2 Dichloroethane	ug/l	AS	32	35	>3.00	0	0.000	< 0.200	< 0.200	< 0.200
Aldrin	ug/l	AS	32	36	>0.030	0	0.000	< 0.009	< 0.009	< 0.009
Aluminium	ug Al/l	S	36	36	>200.0	0	0.000	< 8.000	< 52.806	188.000
Ammonium	mg NH4/l	S	36	36	>0.50	0	0.000	< 0.000	< 0.021	0.365
Antimony	ug Sb/l	S	8	8	>5.0	0	0.000	< 0.170	< 0.394	0.900
Arsenic	ug As/l	S	8	8	>10.0	0	0.000	0.100	0.193	0.500
Asulam	ug/l	AS	32	36	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Atrazine	ug/l	AS	32	36	>0.10	0	0.000	< 0.001	< 0.001	0.003
Azinphos methyl	ug/l	AS	32	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Bentazone	ug/l	AS	32	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Benzene	ug/l	AS	32	35	>1.00	0	0.000	< 0.050	< 0.052	0.100
Benzo 3 4 pyrene	ng/l	S	8	8	>10.0	0	0.000	< 0.100	< 0.363	1.000
Boron	ug B/l	AS	32	36	>1000.0	0	0.000	< 9.000	< 9.472	11.000
Bromate	ug/l	S	8	8	>10.00	0	0.000	0.000	0.000	0.003
Cadmium	ug Cd/l	S	8	8	>5.0	0	0.000	0.000	0.032	0.100
Chlorfenvinphos	ug/l	AS	32	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Chloride	mg Cl/l	AS	32	41	>250.00	0	0.000	4.223	20.586	30.695
Chlorpropham	ug/l	AS	32	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Chlortoluron	ug/l	AS	32	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Chromium	ug Cr/l	S	8	8	>50	0	0.000	0.300	0.631	1.280
Clopyralid	ug/l	AS	32	36	>0.10	0	0.000	< 0.010	< 0.014	0.040
Clostridium perfringens	No./100 ml	AS	296	302	>0	4	1.325	0.000	0.126	16.000
Colony Counts 22	No./1 ml	S	36	36		0	0.000	0.000	0.056	1.000
Colony Counts 37 (48hrs)	No./1 ml	S	36	36		0	0.000	0.000	> 8.667	>300.000
Colour	mg/l Pt/C	S	36	36	>20.00	0	0.000	< 0.000	< 2.601	10.700
Conductivity	uS/cm 20	AS	296	303	>2500	0	0.000	34.000	240.083	555.000
Copper	ug Cu/l	S	8	8	>2.000	0	0.000	< 0.000	< 18.350	66.800
Cyanide	ug CN/l	AS	32	36	>50	0	0.000	2.000	2.172	4.000
Cypermethrum	ug/l	AS	32	36	>0.10	0	0.000	< 0.010	< 0.011	< 0.015
Diazinon	ug/l	AS	32	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dicamba	ug/l	AS	32	36	>0.10	0	0.000	0.000	0.004	0.010
Dichlorbenil	ug/l	AS	32	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dichlorophen	ug/l	AS	32	36	>0.10	0	0.000	< 0.010	< 0.093	< 0.100
Dichlorvos	ug/l	AS	32	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Dieldrin	ug/l	AS	32	36	>0.030	0	0.000	< 0.004	< 0.004	< 0.004
Diquat	ug/l	AS	32	36	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Diuron	ug/l	AS	32	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
E_Coli	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Endosulphan Total	ug/l	AS	32	36	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Endosulphan-a	ug/l	AS	32	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Endosulphan-b	ug/l	AS	32	36	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Endrin	ug/l	AS	32	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Enterococci	No./100ml	S	8	8		0	0.000	0.000	0.000	0.000
Fenitrothion	ug/l	AS	32	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	32	36	>0.10	0	0.000	< 0.007	< 0.007	< 0.007
Flumethrin	ug/l	AS	32	36	>0.10	0	0.000	< 0.100	< 0.100	< 0.100
Fluoride	mg F/l	AS	32	41	>1.500	0	0.000	< 0.000	< 73.674	497.783
Flutriafol	ug/l	AS	32	36	>0.10	0	0.000	< 0.005	< 0.005	< 0.005
Free - Residual disinfectmg	Cl/l	S	96	96		0	0.000	0.010	0.175	0.940

Water Supply Zone - Z413 - Limavady
 Printed On 22-MAR-2005 : Water Service : Period 01-JAN-2004 to 31-DEC-2004 incl.

Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contravening PCV	% of samples contravening PCV	Concentration or value (all samples)			
							Min.	Mean	Max.	
Gamma-HCH (Lindane)	ug/l	AS	32	36	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Glyphosate	ug/l	AS	32	35	>0.10	0	0.000	< 0.020	< 0.020	< 0.020
Heptachlor	ug/l	AS	32	36	>0.030	0	0.000	< 0.004	< 0.004	0.010
Heptachlor epoxide	ug/l	AS	32	36	>0.030	0	0.000	< 0.007	< 0.007	< 0.008
Hexachlorobenzene	ug/l	AS	32	36	>0.10	0	0.000	< 0.002	< 0.002	0.004
Hydrogen Ion	pH value	S	36	36	9.50	0	0.000	6.500	7.167	7.900
Iron	ug Fe/l	S	36	36	>20	4	11.111	< 1.000	< 70.664	301.000
Isoproturon	ug/l	AS	32	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Lead	ug Pb/l	S	8	7	>25.0	0	0.000	0.000	0.600	1.840
MCPA	ug/l	AS	32	36	>0.10	0	0.000	0.000	0.007	0.050
Malathion	ug/l	AS	32	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	36	>50.0	0	0.000	< 1.000	< 5.528	17.000
Mecoprop (MCP)	ug/l	AS	32	36	>0.10	0	0.000	0.000	0.003	0.010
Mercury	ug Hg/l	AS	32	36	>1.0	0	0.000	< 0.046	< 0.048	0.100
Nickel	ug Ni/l	S	8	8	>20.00	0	0.000	< 0.500	< 1.059	1.660
Nitrate	mg NO3/l	S	8	8	>50.00	0	0.000	0.295	0.697	1.340
Nitrite	mg NO2/l	S	8	8	>0.500	0	0.000	< 0.000	< 0.010	0.061
Odour	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
PAH - Sum of four substaug/l		S	8	8	>0.10	0	0.000	0.000	< 0.001	< 0.001
Parathion	ug/l	AS	32	36	>0.10	0	0.000	< 0.003	< 0.003	< 0.003
Pentachlorophenol	ug/l	AS	32	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.008
Propetamphos	ug/l	AS	32	36	>0.10	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug Se/l	S	8	8	>10.0	0	0.000	< 0.300	< 0.300	< 0.300
Simazine	ug/l	AS	32	36	>0.100	0	0.000	< 0.001	< 0.001	< 0.001
Sodium	mg Na/l	S	8	8	>200.00	0	0.000	11.300	14.888	18.500
Sulphate	mg SO4/l	AS	32	41	>250	0	0.000	3.695	24.896	70.553
Taste	Diln No	S	36	36	>3	0	0.000	0.000	0.000	0.000
Tecnazene	ug/l	AS	32	36	>0.10	0	0.000	< 0.004	< 0.004	< 0.004
Terbutryne	ug/l	AS	32	36	>0.10	0	0.000	< 0.001	< 0.001	< 0.001
Tetrachloroethene/Trichlug/l		AS	32	35	>10.00	0	0.000	< 0.200	< 0.200	< 0.200
Tetrachloromethane	ug/l	AS	32	35	>3.00	0	0.000	< 0.100	< 0.103	0.200
Total - Residual disinfe mg Cl/l		S	96	96		0	0.000	0.040	0.260	1.100
Total Coliforms	No./100ml	S	96	96	>0	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	32	35	>0.100	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	AS	32	41		0	0.000	< 0.000	< 1.820	10.990
Total Pesticides	ug/l	AS	32	36	>0.5000	0	0.000	< 0.050	< 0.050	0.054
Total Trihalomethanes	ug/l	S	24	26	>100.0	150	0.000	8.000	63.573	105.100
Trifluralin	ug/l	AS	32	36	>0.10	0	0.000	< 0.006	< 0.006	< 0.006
Tritium	Bq/l	AS	32	35	>100.00	0	0.000	< 0.100	< 33.160	< 40.000
Turbidity	FTU	S	36	36	>4.00	0	0.000	< 0.000	< 0.198	0.630
op-DDT	ug/l	AS	32	36	>0.10	0	0.000	< 0.008	< 0.008	0.020
pp-DDT	ug/l	AS	32	36	>0.10	0	0.000	< 0.006	< 0.006	< 0.006

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 35300

This zone has a surface water source :R4301

Water Supply Zone - Z413 - Limavady
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Parameter	U/A & Freq.	No. of samples planned per annum	No. of samples taken in year	PCV Relaxed	No. Of samples contraven ing PCV	% of samples contraven ing PCV	Concentration or value (all samples)		
							Min.	Mean	Max.

PCV Exceedences:

Sample failed 02-FEB-2004 (W4324OUT) Clostridium perfringens (sulph red) = 14 No./100.
 Sample failed 02-FEB-2004 (W4326OUT) Clostridium perfringens (sulph red) = 5 No./100.
 Sample failed 04-OCT-2004 (W4326OUT) Clostridium perfringens (sulph red) = 16 No./100.
 Sample failed 01-MAR-2004 (W4326OUT) Clostridium perfringens (sulph red) = 3 No./100.
 Sample failed 04-MAY-2004 (Z413AE) Iron = 301 ug Fe/.
 Sample failed 05-APR-2004 (Z413AE) Iron = 208 ug Fe/.
 Sample failed 09-AUG-2004 (Z413AE) Iron = 221 ug Fe/.
 Sample failed 21-JAN-2004 (Z413AE) Iron = 230 ug per.

Notes:

PCV = Prescribed Concentration or Value
 U = Undertaking
 I = Increased Sampling Frequency
 S = Standard Sampling Frequency
 A = Authorised Supply Point